

## 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 Time Res
h m s ISC
HBZ Hicks Bay 15.60 187 eP Op ISC 18 48 53.1 -2.1
URZ Urewera 16.41 190 P P 18 49 01.5 -1.1
MRZ Mangatoinoka R 19.02 192 eP P 18 49 26.7 +0.3
DIW D'Urville Isla 19.52 195 eP P 18 49 27.3 -3.6
CAW Cannon Point 19.55 193 eP P 18 49 31.7 +0.5
OTW Orongorongo Tu 19.73 193 eP P 18 49 33.0 +0.2
MCW Moikau 19.82 192 eP P 18 49 35.5 +1.9
THZ Tophouse 20.68 197 eP P 18 49 42.0 +0.5
KHZ Kahutara 21.14 195 P P 18 49 46.2 +0.8
ARMA Armidale 27.28 246 eP P 18 50 42.4 +2.3
4.9nm,0.5s
CTA Charters Tower 32.13 267 P P 18 51 22.3 +0.5
13nm,0.5s
STKA Stephens Creek 36.00 246 eP P 18 51 55.3 +1.5
3.1nm,0.4s
ASAR Alice Springs 42.97 259 P P 18 52 50.1 +0.4
9.8nm,0.5s,baz=92,slow=8.2,SNR=47
ASAR 1.0nm,0.8s,baz=95,slow=15,SNR=5.7
ASPA Alice Springs 42.97 259 eP P 18 52 50.1 +0.4
WRA Warramunga Arr 43.18 264 P P 18 52 51.0 -0.4
1.8nm,0.3s,baz=96,slow=7.8,SNR=93
WRA 0.3nm,0.9s,baz=99,slow=14,SNR=3.0
KAKA Kakadu 46.79 273 eP P 18 53 18.2 -0.7
14nm,0.4s
FITZ Fitzroy Crossi 51.61 264 eP P 18 53 54.3 +0.1
12nm,0.3s
MBWA Marble Bar 56.31 259 eP P 18 54 27.1 -0.1
11nm,0.6s
CMAR Chiang Mai Arr 89.48 290 P P 18 57 38.1 +1.7
1.3nm,0.8s,baz=135,slow=3.1,SNR=8.1
ARCES ARCESS Array B 130.23 349 PKKP PKIKP 19 03 43.7 -1.2
0.7nm,0.6s,baz=282,slow=4.2,SNR=3.5
FINES FINES Array B 136.91 342 PKKP PKIKP 19 03 57.3 -1.3
3.7nm,1.1s,baz=158,slow=3.2,SNR=5.4
MLR Muntele Rosu 148.83 325 PKKPbc PKIKP 19 04 22.7 -1.0
0.2nm,0.7s,baz=1.2,slow=23,SNR=2.3

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## Epicentral Estimates

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

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

Error Ellipses - The keywords have been shortened.

## Observational Data

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

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

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

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

Station magnitude estimate - computed by the ISC.

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

## Addendum II

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

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

## Addendum III

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

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



FLUNV 01:00:13:55.8,8.80Nk:70.64W,h8km,MW3.3
RSNC 01:00:14:05.9,0.0,8.1N,8.7W,1.1,h212km,10km,ML3.0
ISC 01:00:13:55.3,1.3,8.77N,0.05:70.59W,0.03,h15km,10km,
n16,c117/30,1C,Venezuela

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like SOCV, SANV, TEPU, etc.

IDC 01:00:25:35.7-1.2,9.49N,84.36W,h0km,mb3.67,
mbtmp3.67,MS3.3/10,Error ellipse: s-maj=47.5km
s-min=12.6km az=50.0

NEIC 01:00:25:37.1-1.4,9.42N,0.03:84.54W,0.02,h10km,1km,
mb4.4/10,Error ellipse: s-maj=6.3km s-min=2.8km
az=201.0

CATAC 01:00:25:37.1-0.3,9.43N,84.55W,h5km,2km,ML4.2
UCR 01:00:25:37.0-0.7,9.41N,84.56W,h7km,4km,MW4.7
ISC 01:00:25:37.6-0.9,9.41N,0.03:84.55W,0.02,h16km,6km,
n107,c1505/115,mb4.0/13,MS3.2/5,Costa Rica

Main table for the first section, listing station codes and names like RITA, JACO, JACO, etc.

VMAR Armenia, Volca 1.50 338 eP Pn
PIRO Carate, Puerto 1.56 130 eP Pn
HZTE Horizontes, Gu 1.65 320 eP Pn
HZTE Horizontes, Gu 1.66 321 iP Pn

Main table for the second section, listing station codes and names like HZTE, BRUZ, BRUZ, etc.

IDC 01:00:53:56.5-1.1,9.23N,40.56W,h0km,mb3.76,
mbtmp3.87,ML4.4/1,MS3.2/14,Error ellipse:
s-maj=40.2km s-min=23.7km az=173.0

ISC 01:00:53:58.1-0.8,9.22N,0.04:39.01W,0.1,h10km,n22,r043/8,
mb3.6/6,MS3.2/13,Central Mid-Atlantic Ridge

Main table for the third section, listing station codes and names like MDP, MDP, RCBR, etc.

GNI Gari 80.54 51 LR LR
INK Inuvik 82.59 39 P P
ILAR Eielson Array 88.56 336 P P

Main table for the fourth section, listing station codes and names like JCJ, WRA, ASAR, etc.

IDC 01:01:01:25:7.5,6.1830N,121.49E,h0km,mb3.6/4,
mbtmp3.5/5,ML3.6/11,MS4.1/1,Error ellipse:
s-maj=117.5km s-min=51.4km az=175.0,Luzon

Main table for the fifth section, listing station codes and names like KSR, MKAR, KURB, etc.

SJA 01:01:14:36:2-0.7,30.13S:72.44W,h10km,3km,ML4.4,
MW4.7

GUC 01:01:14:41:1-0.6,30.19S:72.25W,h36km,2km,ML4.1
IDC 01:01:14:41:1-0.6,30.12S:71.83W,h0km,mb4.2/11,
mbtmp4.1/16,ML4.0/5,MS2.1/19,Error ellipse:
s-maj=23.2km s-min=15.2km az=93.0

NEIC 01:01:14:42:3-1.9,30.18S:0.04:72.09W,0.04,h10km,1km,
mb4.6/106,MW4.7/100,Error ellipse: s-maj=7.4km
s-min=6.1km az=166.0,Moment Tensor Solution.

Moment tensor: Scale 10^16Nm; Mr:1.26; Mw:0.10;
Ms:1.36; Mm:0.08; Mo:1.44; Mo:0.68; Bg: plane
solution: M1:4.8000e+16 Np1:179.38000; 858.74000;
7.8339000; Np2:11.96000; 831.88000; 1.10073000;
Principal axes: T: 1.4310, P1:75.0000, Azm71.0000; N:
0.1024, P1:6.0000; Azm183.0000; P: -1.5334,
P1:14.0000; Azm274.0000

NEIC 01:01:14:42:5,3.0,30.18S:72.01W,h9km
GCMT 01:01:14:44:3-0.4,30.30S:0.03:72.44W,0.03,h23km,1km,
MW4.9/79,Moment Tensor Solution. s27,c32; s79,c99;
Duration: 0 Moment tensor: Scale 10^16Nm; Mr:2.93e+22;
Mw:0.36e+11; Ms:2.57e+14; Mo:0.05e+15; Mo:0.19e+07;
Ms:1.73e+11; Best double couple: M3:25600x10^16
Np1:178.00000; 861.00000; 1.93.00000; Np2:
353.00000; 829.00000; 1.85.00000; Principal axes: T:
3.4320, P1:74.0000, Azm95.0000; N: -0.3530,
P1:2.0000; Azm357.0000; P: -3.0800, P1:6.0000;
Azm266.0000; nst1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function

VAO 01:01:15:00:6-1.9,29.13S:71.37W,h71km,11km,mb4.3
ISC 01:01:14:41:8-0.4,30.14S:0.02:72.10W,0.03,h10km,n272,
c151/282,mb4.6/61,MS4.1/15,9C-3D,Off coast of
Central Chile

Main table for the sixth section, listing station codes and names like CO06, CO06, CO06, etc.

1d 1h

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Table with columns for station name, frequency, power, and status. Includes stations like AC05 El Transito, AC04 Llanos de Chal, VA01 Torpederas, etc.

Table with columns for station name, frequency, power, and status. Includes stations like CPUP, LPAZ La Paz, AY01 Puyuhuari, etc.

Table with columns for station name, frequency, power, and status. Includes stations like SRU, SHPR Sheep Range, MSU Marystave, etc.



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Table with columns for station call letters, name, frequency, power, and various numerical values. Includes stations like KIROV, NANJING, GROZNY, CHANGCHUN, HEIHE, ZEYA, GARNI, ONI, KHBAB, KISLOVODSK, CHIN-MEN TAO, etc.

Table with columns for station call letters, name, frequency, power, and various numerical values. Includes stations like KEF, MEF, ARCES, CARCALIU, BIRLAD, PABERZE, etc.

Table with columns for station call letters, name, frequency, power, and various numerical values. Includes stations like GRFO, WTTA, WATA, SQTQ, META, FETA, INTR, etc.

Table containing station data for 5 stations (WRH, IL31, ILAR, etc.) with columns for station name, coordinates, elevation, and other parameters.

Table with station data for OKLAHOMA CITY and OKCWS, including station name, coordinates, and elevation.

Main table containing station data for stations CSTR through RSSD, including station name, coordinates, elevation, and other parameters.

Station data for N23A and H21A, including coordinates and elevation.

Table with station data for TXAR, including station name, coordinates, and elevation.

Table with station data for stations ANMO through H03N3, including station name, coordinates, and elevation.

Station data for MOS 01 and GCMT 01, including coordinates and elevation.

Large table containing station data for stations KDAQ through Q17K, including station name, coordinates, and elevation.







1d 1h

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Table of astronomical observations for the first 11 hours of the day. Columns include station code (e.g., DSP, MZP, HWUT), object name (e.g., Deep Springs, Montezuma Peak), magnitude, position, and other parameters.

Table of astronomical observations for the first 11 hours of the day. Columns include station code (e.g., MSTX, MNTX, JFWS), object name (e.g., Muleshoe, Cornudas Mount), magnitude, position, and other parameters.

Table of astronomical observations for the first 11 hours of the day. Columns include station code (e.g., H11S1, H11S2), object name (e.g., WAKE ISLAND Hy 50.12 240), magnitude, position, and other parameters.

Table listing station data with columns: Code, Station Name, Azimuth, Elevation, Time, Residuals, and other parameters.

SJA 01 01:46:45.8-0.7, 23.12S:66.76W, h229km, 4km, ML3.4, MW3.5

GUC 01 01:46:47.6-0.6, 23.18S:67.18W, h261km, 11km, ML3.6

ISC 01 01:46:46.0-1.9, 23.15S:0.04-66.82W, 0.05, h228km, 15km, n31.0, n19.60, Jujuy Province

Large table listing station data with columns: Code, Station Name, Azimuth, Elevation, Time, Residuals, and other parameters.

GII 01 02:07:49.9-0.3, 35.037N:0.003-24.077E, 0.001, h8km, confirmed

ISK 01 02:08:00.3, 34.90N:24.61E, h24km, ML3.3/9

IDC 01 02:08:00.5-3.1, 34.87N:24.67E, h35km, 32km, mb3.3/4, mbmp3.4/8, ML3.8/3, Error ellipse: s-maj=25.6km

THE 01 02:08:00.8, 34.86N:24.61E, h0km, 1km, ML3.3/7, Error ellipse: s-maj=2.0km s-min=0.8km az=182.0

ATH 01 02:08:01.4, 34.88N:24.64E, h6km, 1km, ML3.4/10, Error ellipse: s-maj=2.0km s-min=0.8km az=356.0

ISC 01 02:08:00.5-0.9, 34.90N:0.04-24.61E, 0.02, h25km, 6km, n52.2, n164/78, mb3.5/4, Crete

Main table listing station data with columns: Code, Station Name, Azimuth, Elevation, Time, Residuals, and other parameters.

IDC 01 02:09:28.0-1.0, 34.86N:24.58E, h0km, mb4.0/12, mbmp3.9/19, ML4.1/6, Error ellipse: s-maj=17.8km

ATH 01 02:09:34.7, 34.84N:24.60E, h19km, 1km, ML3.8/9, Error ellipse: s-maj=2.5km s-min=0.9km az=358.0

ISK 01 02:09:34.2, 34.96N:24.58E, h27km, ML3.6/11

THE 01 02:09:34.0, 34.86N:24.62E, h0km, ML3.7/9, Error ellipse: s-maj=1.1km s-min=0.5km az=182.0

GII 01 02:09:39.9-0.5, 34.484N:0.004-25.449E, 0.001, h1km, M3.6, Mw3.9/4, confirmed

ISC 01 02:09:32.5-0.9, 34.77N:0.04-24.63E, 0.02, h32km, 6km, n109.282/163, mb3.8/12, Crete

Table listing station data with columns: Code, Station Name, Azimuth, Elevation, Time, Residuals, and other parameters.

MMB 01 02:14:00.0, 9.13 98 N, 0.20 108 S, Pn, 02 11 43.0 +1.0

AMAZ 01 02:14:00.0, 9.22 108 P, Pn, 02 11 42.8 -0.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Dead Sea, Mazada, MSBI, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FRMA, ZKR, ANKY, etc.

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

ISK 01 02:14:35.9, 34.90N:24.58E, h25km, ML3.4/10
IDC 01 02:14:35.9, 2.1, 34.83N:24.76E, h39km, 20km, mb3.4/7,
mbmp3.5/10, ML3.4/3, MS3.5/2, Error ellipse:
s-maj=21.8km s-min=18.4km az=100.0

JMA 01 02:23:09.6:1.2, 47°N:6°15'3"E, h30km, MV4.2/15,
KURILE ISLANDS REGION
MOS 01 02:23:11.7:1.2, 46°9'N:153°06'E, h66km, mb4.1/1, Error
ellipse: s-maj=18.3km s-min=10.4km az=68.5

IDC 01 02:29:15.0:1.0, 44°53'N:81°61'E, h0km, mb3.6/5,
mbmp3.5/10, ML3.0/5, Error ellipse: s-maj=16.3km
s-min=10.6km az=103.0
NNC 01 02:29:17.9:0.9, 44°57'N:81°55'E, h0km, mb4.5, mpv4.2,
Error ellipse: s-maj=8.7km s-min=3.3km az=126.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Timbaki Herakl, GVD, etc.

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

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

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and Signal Quality. Includes stations like ZHN, ZHNSH, KURS, SATY, ARXS, CHKK, KOTS, MDOK, KNDC, AAA, KTBS, ZSN, TNSS, IZV, MTBS, KST, WMQ, KRBS, DGS, SGDS, AAK, SEM, MRKS, ARXS, KURBB, KURBB, KURBB, KURBB.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and Signal Quality. Includes stations like KURK, OTUK, KK31, ZALV, ZALV, BVAR, BVAR, BVAR, NOA, CLL, ILAR, TORD, WRA, ASAR, NEIC, IDC, NOU, ISC, Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and Signal Quality.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and Signal Quality. Includes stations like G16K, PMR, K20K, H18K, CAST, J20K, SCM, KTH, F17K, H19K, RND, G19K, K05A, J05D, E18K, F19K, MLY, PINE, IMAR, WRR, CCB, F20K, E19K, ILAR, C18K, LON, I07A, SCRR, BCAR, J25K, D19K, G23K, E22K, I26K, EGAK, TOLK, I28M, G31M, F31M, YKA, MKAR, ARCES, NOA, GERES, MOA, OBKA, LESA, WATA, ABTA, WTTA, MOTA, SQTA, FETA, IDC, JMA, JMA, NIED, Min-Orient, Fault plane solution, ISC.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like JOU Okura, MJAR Matsushiro Arr, MAJO Matsushiro, etc.

SDD 01 03:06:22.3e-1.7, 18°18'N-69°48'W, h94km, 17km, MD2.9, ML2.1, MW2.5

OSPL 01 03:06:25.8e-2.6, 18°20'N-69°65'W, h86km, 24km, ML2.0

ISC 01 03:06:24.5e-2.2, 18°40'N-69°60'W, h84km, 14km, n9, r1914/16, 8C-2D, Dominican Republic region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like SDD Santo Domingo, HATOM Hato Mayor del, BANI BANI, etc.

ISC 01 03:06:41.5e-1.0, 11°12'S-163°38'E, h0km, mb3.7/3, mbtmp3.7/3, ML5.3/1, MS3.6/1, Error ellipse: s-maj=242.6km s-min=40.6km az=56.0, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, STKA Stephens Creek, WRA Warramunga Arr, etc.

ISC 01 03:11:48.7e-0.2, 23°55'N-94°67'E, h122km, 73km, mb3.2/4, mbtmp3.6/5, Error ellipse: s-maj=72.8km s-min=21.2km az=60.0, Myanmar-India border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like BRDH Bariadhala, MKAR Makanchi Array, WRA Warramunga Arr, etc.

DJA 01 03:18:32.5e-0.2, 3°S-2°12'9"E, h46km, 9km, M4.5/12, m4.4/5/8, m4.7/3, ML4.5/12, MW(m)4.0/3

NEIC 01 03:18:33.1e-1.9, 2°26'S-0°12'E, h203E-0.07, h44km, 6km, mb4.4/11, Error ellipse: s-maj=12.9km s-min=8.9km az=219.0

IDC 01 03:18:34.4e-3.0, 2°69'S-129°31'E, h62km, 27km, mb3.7/12, mbtmp4.1/14, ML4.2/2, MS3.4/20, Error ellipse: s-maj=29.6km s-min=9.7km az=76.0

ISC 01 03:18:31.7e-0.5, 2°64'S-0°05'-128°97'E-0.05, h35km, n79, r175/68, mb4.2/17, MS3.4/17, Ceram Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like NLAI Namiea, BNDI Bandanaira, LBMI Labuha, etc.

SJA 01 03:23:36.9e-0.7, 19°49'S-69°27'W, h118km, 3km, ML3.7, MW3.7

ISC 01 03:23:38.5e-1.1, 19°52'S-68°97'W, h118km, 10km, mb3.5/6, mbtmp3.9/10, Error ellipse: s-maj=20.5km s-min=8.6km az=100.0

GUC 01 03:23:38.7e-0.7, 19°48'S-69°28'W, h109km, 3km, ML3.8

VAO 01 03:23:39.9e-0.7, 19°35'S-69°01'W, h124km, 5km, mb4.2

ISC 01 03:23:37.1e-0.6, 19°47'S-0°03'-69°22'W-0.05, h109km, 6km, n68, r158/96, mb3.4/5, Northern Chile

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like GO01 Chusmiza, PB11 IPOC Station, PB08 IPOC Station, etc.



1d 4h

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Table with columns: TORO, Torodi Ar. Bea, KURBB, Kurchatov Arra, MKAR, Makanchi Arry, ZALV, Zalesovo Beam, YKA, Yellowknife Ar.

UPA 01 04:03:45.1±0.2, 8.87N, 82.78W, h18km, 1km, ML3.1
CATAC 01 04:03:45.1±0.2, 8.90N, 82.82W, h12km, 1km, ML2.0
ISC 01 04:03:43.8±0.9, 8.88N, 0.04, 82.80W, 0.03, h29km, 7km, n16, c069/31, 3C, Panama-Costa Rica border region

Main table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like BRU2, Volcan, Paso Ancho, Paso Grande, David, San Rafael, Aguatec, Petrotterminale, Ojochal, Los Planes de, Perez Zeledon, Cerro de Muert, La Lucha 2.

IDC 01 04:05:01.4±5.0, 5.48S, 151.60E, h73km, 44km, mb3.6/9, mbmp3.9/10, ML2.0/1, MS3.5/2, Error ellipse: s-maj=42.9km s-min=26.3km az=120.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like PMG, Port Moresby, HNR, Honiara, WRA, Warramunga Arr, ASAR, Alice Springs, STKA, Stephens Creek, DAV, Davao City (W), MKAR, Makanchi Arry, ZALV, Zalesovo Beam, ILAR, Eielson Array, KURBB, Kurchatov Arra, NVAR, Mina Array Bea, YKA, Yellowknife Ar, PDAR, Pinedale Array, TORO, Torodi Ar. Bea.

IDC 01 04:22:04.5±2.0, 6.70S, 129.30E, h0km, mb3.8/1, mbmp3.8/3, ML3.5/2, MS3.2/1, Error ellipse: s-maj=115.0km s-min=31.1km az=68.0, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like WRA, Warramunga Arr, WRA, Warramunga Arr, ASAR, Alice Springs, ASAR, Alice Springs, ASAJ, Asahikawa, MKAR, Makanchi Arry.

IDC 01 04:25:52.3±0.6, 5.69S, 151.54E, h0km, mb4.2/15, mbmp4.2/16, ML2.5/1, MS3.4/13, Error ellipse: s-maj=23.3km s-min=15.1km az=116.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like WRA, Warramunga Arr, WRA, Warramunga Arr, ASAR, Alice Springs, ASAR, Alice Springs, ASAJ, Asahikawa, MKAR, Makanchi Arry, WRA, Warramunga Arr, BULU, Kimbe.

Table with columns: RABL, Rabaul, KAVG, Kaviegi, PMG, Port Moresby, PMG, Port Moresby, PMG, Port Moresby.

Table with columns: MANU, Manus Island, MANU, Manus Springs, HNR, Honiara, HNR, Honiara, CTAO, Charters Town, CTAO, Charters Town.

Table with columns: MTN, Mantion Dam, WBM, Wort Dzumac, DZO, Warramunga Arr, QLP, Quilpie, WRA, Warramunga Arr.

Table with columns: WRA, Warramunga Arr, WRA, Warramunga Arr, KNRA, Kununurra, KNRA, Kununurra, AS01, Alice Springs, AS31, Alice Springs, ASAR, Alice Springs, ASAR, Alice Springs.

Table with columns: LCRK, Leigh Creek, STKA, Stephens Creek, STKA, Stephens Creek, BATI, Baumata, BATI, Baumata, FITZ, Fitzroy Crossi, FITZ, Fitzroy Crossi, FITZ, Fitzroy Crossi, BBOO, Buckleboo, BBOO, Buckleboo, MBWA, Marble Bar, PSAA0, Pilbara Seismi, PSAA0, Pilbara Seismi.

Table with columns: JMN, Monobe, JNU, Nakatsue, JNU, Nakatsue, JNU, Nakatsue, MJAR, Matsushiro Arr, MJAR, Matsushiro Arr, KSRS, Korea Array, KSRS, Korea Array, VYND, Vanda, VYND, Vanda, VYND, Vanda.

Table with columns: CMAR, Chiang Mai Arr, CMAR, Chiang Mai Arr, MA2, Magadan, MA2, Magadan, VYND, Vanda, VYND, Vanda, VYND, Vanda.

Table with columns: L14K, Kuka Creek, J14K, Janvak Lak, L16K, Wolf Creek Mout, L16K, Ohwah River, L16K, Ohwah River, L19K, White Mountain, L19K, White Mountain, TTA, Tatalina, K20K, Telida, K20K, Telida, MKAR, Makanchi Arry, MKAR, Makanchi Arry, MKAR, Makanchi Arry.

Table with columns: CAST, Castle Rocks, CAST, Castle Rocks, ZALV, Zalesovo Beam, ZALV, Zalesovo Beam, KTH, Kantishna Hill, KTH, Kantishna Hill, E19K, Redstone River, E19K, Redstone River, IMAR, Indian Mountain, RND, Reindeer, RND, Reindeer, CCB, Clear Creek Bu, CCB, Clear Creek Bu.

Table with columns: HDA, Harding Lake, IL31, Harding Lake, IL31, Harding Lake, ILAR, Eielson Array, ILAR, Eielson Array, ILAR, Eielson Array, KURBB, Kurchatov Arra, KURBB, Kurchatov Arra, KURBB, Kurchatov Arra, TBL, Table Mountain, QSPA, South Pole Qui, QSPA, South Pole Qui, QSPA, South Pole Qui, QSPA, South Pole Qui.

Table with columns: NEW, Newport, AKTO, Aktyubinsk, YKA, Yellowknife Ar, YKA, Yellowknife Ar, PDAR, Pinedale Array, PDAR, Pinedale Array, GERES, Geres Array, GERES, Geres Array, EKA, Eskdalemuir Ar, EKA, Eskdalemuir Ar.

Table with columns: TORO, Torodi Ar. Bea, IDC 01 04:33:13.4±3.7, 28.45S, 178.21W, h0km, mb3.8/3, mbmp3.8/3, Error ellipse: s-maj=82.1km s-min=19.0km, RAO, Raoul Island, RAO, Raoul Island, STKA, Stephens Creek, STKA, Stephens Creek, ASAR, Alice Springs, ASAR, Alice Springs, WRA, Warramunga Arr, WRA, Warramunga Arr, FINES, FINES Array B, FINES, FINES Array B.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like EAHA, Aohua, EAHA, Aohua, ENA, Nanau, ENA, Nanau, EWUT, Wuta, EWUT, Wuta, NACB, Ninganchiao, NACB, Ninganchiao, TWD, Chiawan, TWD, Chiawan, ETLH, Xiulin Townshi, ETLH, Xiulin Townshi, TWC, Suao, TWC, Suao, LATG, Datong, LATG, Datong, NNSB, Datong, NNSB, Datong, NNSB, Datong, NDT, Datong Townshi, NDT, Datong Townshi, ENTT, Nioudou, ENTT, Nioudou, ENTT, Nioudou, TWE, Neicheng, TWE, Neicheng, FUSB, Fushanzhiwuyua, FUSB, Fushanzhiwuyua, YHNB, Yeheng, YHNB, Yeheng.

JMA 01 04:36:27.0±1.2, 24.2N, 0.4, 123.8E, 0.3, h18km, 1km, MY1.57, NEAR ISHIGAKIJIMA ISLAND, Southwestern

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like IRIF, Iriomote-Funau, JKRS, Kuro-shima, JKRS, Kuro-shima, HATJ, Haterama jima, HATJ, Haterama jima, JIJ, Ishigaki jima, JIJ, Ishigaki jima, JISG, Ishigakijimahi, JISG, Ishigakijimahi, JYNG, Yonagunijimaku, JYNG, Yonagunijimaku.

NEIC 01 04:38:53.5±1.6, 55.93N, 0.07, 149.25W, 0.10, h8km, 6km, mb3.8/3, ML3.9/52, ML3.7(AEIC), Error ellipse: s-maj=10.7km s-min=7.8km az=168.0

IDC 01 04:38:54.2±1.2, 55.94N, 149.38W, h0km, mb3.5/9, mbmp3.6/14, ML3.4/5, MS3.0/8, Error ellipse: s-maj=28.0km s-min=15.9km az=35.0

AEIC 01 04:39:58.5±1.5, 55.92N, 0.07, 149.31W, 0.1, h12km, 6km, Error ellipse: s-maj=10.2km s-min=8.1km az=170.0

ISC 01 04:38:55.1±0.7, 56.07N, 0.07, 149.30W, 0.05, h10km, n363, r1907/368, mb3.7/11, MS3.0/4, Gulf of Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like OHAK, Old Harbor, OHAK, Old Harbor, OHAK, Old Harbor, OHAK, Old Harbor, KDAK, Kodiak Island, KDAK, Kodiak Island, KDAK, Kodiak Island, KDAK, Kodiak Island, KDAK, Kodiak Island, JYNG, Yonagunijimaku, JYNG, Yonagunijimaku, OHAK, Old Harbor, OHAK, Old Harbor, OHAK, Old Harbor, OHAK, Old Harbor, KDAK, Kodiak Island, KDAK, Kodiak Island, KDAK, Kodiak Island, KDAK, Kodiak Island, SYI, Shuyak Island, SYI, Shuyak Island, Q20K, Shuyak Island, Q20K, Shuyak Island, CHIR, Chirikof Island, CHIR, Chirikof Island, CHIR, Chirikof Island, CHIR, Chirikof Island, CNPM, China Poot, CNPM, China Poot, Q19K, Cape Douglas, Q19K, Cape Douglas, Q19K, Cape Douglas, MID, Middleton Isla, MID, Middleton Isla.





Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like PFO Pinyon Flats O, H1N2 WAKE ISLAND Hy 48.76 240 T, H1N11 WAKE ISLAND Hy 48.78 240 T, etc.

Table with columns: BEIL Beino, BEIL Fakeheh, BEIL Hawqa, etc. Includes stations like BEIL Beino, BEIL Fakeheh, BEIL Hawqa, etc.

Table with columns: MTN Manton Dam, KNRA Kununurra, FITZ Filz, SBA Scott Base, etc. Includes stations like MTN Manton Dam, KNRA Kununurra, FITZ Filz, SBA Scott Base, etc.

NEIC 01 04:42:04.2±0.5, 36°08'N, 0°10'10.97''E, h4km, 2km, Error ellipse: s-maj=1.5km s-min=1.1km az=157.0

TUL 01 04:42:04.6±0.6, 36°08'N, 0°10'10.97''E, h6km, 3km, M2.6, mb\_Lg, 1/22(NEIC), M2.5/57(NEIC), Error ellipse: s-maj=1.4km s-min=1.3km az=124.0, Oklahoma

Main table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like OK029 Liberty Lake, ADOK Arcadia Dam, OK033 Mehan, etc.

IDC 01 05:10:28.2±15.0, 18°56'S, 174°96'W, h147km, 130km, mb3.9/6, mbtmp4.3/6, Error ellipse: s-maj=45.2km s-min=32.5km az=66.0

NEIC 01 05:10:32.9±1.3, 18°42'S±0.09'', 175°0'W±0.1'', h180km, 6km, mb4.2/19, Error ellipse: s-maj=18.3km s-min=11.8km az=107.0

NOU 01 05:10:32.8, 18°53'S, 174°95'W, h184km, mb4.3/14, Tonga Islands

ISC 01 05:10:34.0±0.6, 18°41'S±0.10'', 174°95'W±0.07'', h205km, n57, c1516/59, mb4.1/16, Tonga Islands

Main table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like LKBA Tubou, NIUE Niue, AFI Afiamalu, etc.

INMG 01 05:38.5±7.2, 32°62'N, 19°55'W, h15km, 19km, ML3.3, Error ellipse: s-maj=9.5km s-min=4.4km az=107.0

MDD 01 05:38.5±9.0, 32°36'N, 19°44'W, h21km, 15km, Mb4.8/15, M, mb4.3/20, Error ellipse: s-maj=17.5km s-min=5.0km az=126.0

CNRM 01 05:39.0±1.6, 32°78'N, 18°62'W, h84km, ML3.6

ISC 01 05:39.45±2.1, 32°45'N, 18°07'W±0.1'', h101km, n62, c246/93, 19C, Madeira Islands region

Main table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like PMOZ Porto Moniz, PMAZ Madeira, PMAS Madeira, etc.

Table with columns: TTIG, Ave, TIO, PBDV, PBDV, PBDV, MESJ, PVAQ, PVAQ, PVAQ, PVAQ, PVAQ, MD31, MD31, MD31, AKLM. Includes station names, coordinates, and status.

SSNC 01 05:45:58.1+1.3, 18.78N:73.97W, h2km, 9km, MD2.7, ML1.9, MW2.9

OSPL 01 05:45:58.1+2.5, 18.80N:74.02W, h0km, 28km, ML2.1

ISC 01 05:45:58.2+2.5, 18.73N:0.08:74.09W, 0.04, h1km, 16km, n13, c#100/25, Haiti region

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MASC, PAPH, RCC, SABCS, MARVS, PINC, SDDR, YAR, LMG, LMG, LMG.

ISK 01 05:46:31.8, 38.86N:26.17E, h16km, ML2.8/12

ATH 01 05:46:32.3, 38.88N:26.25E, h6km, 3km, ML2.4/3, Error ellipse: s-maj=3.9km s-min=1.0km az=274.0

AFAD 01 05:46:32.5+0.0, 38.89N:26.21E, h7km, 1km, ML2.5

ISC 01 05:46:32.2+0.0, 38.88N:0.02:26.22E, 0.03, h15km, 8km, n36, c#78/60, Aegean Sea

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KARB, PRK, SIGR, CHOS, AYVA, IZMD, DKL, GPNR, URLA, KOC, ZEDA, ZEVE, BLCB, BAYC, BUHA, EZN, BOZC, CNKL, COMU, STEP.

Table with columns: SMG, CANM, GADA, BALLY, BALLY, GELI, LPK, BKES, GONE, BLKS, KRBG, APE, EDC, KULA. Includes station names, coordinates, and status.

DJA 01 05:51:36.0+0.7, 3.5:9:13.0E, h29km, 4km, M3.2/5, MLV3.2/5

ISC 01 05:51:36.4+2.8, 3.30S:129.79E, h0km, mb3.8/2, mbmt3.8/3, ML3.2/1, Error ellipse: s-maj=187.1km s-min=30.3km az=70.0, Seram

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA, ASAR, MKAR.

ISC 01 05:59:52.8+1.5, 5.37S:151.85E, h0km, mb3.6/4, mbmt3.7/5, ML1.7/1, Error ellipse: s-maj=110.8km s-min=22.8km az=132.0

ISC 01 05:59:54.7+1.3, 5.15:0.7:151.5E:0.7, h10km, n6, c#88/7, mb3.7/4, New Britain region

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PMG, WRA, ILAR, NVAR, TORD.

ISC 01 06:01:15.3+0.5, 38.26N:72.25E, h122km, 33km, mb3.2/1, mbmt3.5/8, MS2.7/1, Error ellipse: s-maj=60.1km s-min=20.2km az=149.0

NNC 01 06:01:21.7+2.4, 38.51N:70.25E, h0km, mb4.1, mpy4.0, Error ellipse: s-maj=254.1km s-min=125.5km az=173.0

ISC 01 06:01:11.9+2.0, 38.0N:0.72:42E:0.1, h100km, n12, c#138/14, 3C-1D, Tajikistan

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AAK, KK31, GEYT, MKAR, KURBB, AB31, BVAR, AKTO, ZALV, KBZ, FINES.

ISC 01 06:02:09.8+6.6, 36.34N:70.80E, h117km, 55km, mbmt3.6/6, Error ellipse: s-maj=81.9km s-min=20.5km az=153.0, Hindu Kush region

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AAK, GEYT, MKAR, KURBB, BVAR, ZALV.

TEH 01 06:23:42.6, 34.75N:46.02E, h10km, 807km, ML2.6

ISC 01 06:23:43.0+2.6, 34.79N:46.00E, h18km, 4km, ML2.7

ISC 01 06:23:41.4+2.2, 34.9N:0.1:46.12E:0.07, h10km, n7, c#85/11, Western Iran

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AAK, IDHR, IGHG, ILIN, KHCF, IBDR, BVAR, ZALV, IBDR, BHD, RAFI.

ISC 01 06:32:09.4+2.6, 3.32S:129.71E, h0km, mb3.7/2, mbmt3.6/3, ML3.3/1, Error ellipse: s-maj=170.7km

s-min=30.1km az=70.0

DJA 01 06:32:10.5+0.5, 3.5:9:13.0E, h10km, M2.9, ML2.9/5

ISC 01 06:32:09.0+1.3, 3.0S:0.1:130.6E:0.1, h10km, n5, c#192/6, Seram

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FAKI, SWI, WRA, ASAR, MKAR.

ISC 01 06:35:01.0+0.7, 18.38S:176.12E, h0km, mb4.2/13, mbmt4.2/14, ML3.9/1, MS3.5/3, Error ellipse: s-maj=25.1km s-min=18.3km az=131.0

NEIC 01 06:35:02.8+1.3, 18.4S:0.1:176.27E:0.08, h10km, 1km, mb4.3/12, Error ellipse: s-maj=26.4km s-min=8.9km az=336.0

ISC 01 06:35:04.8+0.5, 18.41S:0.10:176.2E:0.1, h26km, n83, c#570/54, mb4.2/19, MS3.6/31, Fiji Islands region

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MSVF, DZM, HNR, URZ, URZ, RTZ, MRZ, RAR, THZ, ARMA, RPZ, PMG, PPT, STKA, H11S2, H11S3, H11S1, BBOO, WBO, WRA, AS31, ASAR, ASAR, MTN, FORT, GUM, KNRA, FITZ, BAV, DAV, VBA, JHJ, MJAR, LEM, ASAJ, SHEM, QSPA, QSPA, KRSR, PETK, KLR, KDAK, MA2, MAW, LPIG, SEY, NVAR, NVAR, CMAR, CMAR, BBB, ILAR, ILAR, YAKU, NEW, TXAR, TXAR, PDAR, PDAR.

Table with columns: Code, Station Name, Time, Res, and various data points for stations like CMIG, PLCA, YKA, OSTC, etc.

RSPR 01 06:42:04.0, 17:24N, 64:64W, h40km, 22km, MD3.2/8
NEIC 01 06:42:05.1, 0.1, 18.1N, 0:2:64.70W, 0.04, h35km, 26km,
ML2.3/16, MD3.2/8(RSPR), Error ellipse: s-maj=27.6km,
s-min=7.1km az=1.0

ISC 01 06:42:06.7, 1.3, 18.2N, 0:2:64.69W, 0.04, h35km, n26,
+174/23, 2C-6D, VIRZ Islands

Table with columns: Code, Station Name, Time, Res, and various data points for stations like HUMP, GPCR, IGPR, etc.

BGR 01 06:53:57.8, 18:04S, 177:67W, h33km
NOU 01 06:54:41.8, 16:75S, 177:29W, h500km, mb4.8/16, Fiji
Islands Region

IDC 01 06:54:57.9, 1.7, 17:84S, 178:66W, h560km, 16km,
mb3.6/17, mbtpm/4.5/18, Error ellipse: s-maj=13.1km,
s-min=10.2km az=142.0

NEIC 01 06:54:57.3, 1.8, 17:77S, 0:08:17.8W, 0.1, h543km, 5km,
mb4.3/78, Error ellipse: s-maj=15.5km s-min=9.3km
az=58.0

Table with columns: Code, Station Name, Time, Res, and various data points for stations like AFI, NIUE, FUNA, etc.

Main table with columns: URZ, Urewera, 20.66 190, P, S, P, 06 58 57.4, -2.0, etc. for stations like URZ, Urewera, Matawai, etc.

Main table with columns: PINE, Pine Mountain, 80.85 38, P, Iamb, P, 07 06 14.9, +1.4, etc. for stations like PINE, Pine Mountain, Wolf Creek Mtn, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC, h, m, s, ISC. Includes stations like GERESS Array S, GERESS Array B, CONA Contr Observa, etc.

GUC 01 07:07:01.0-0.4, 17.75S:69.67W, h156km, 2km, ML2.9
IDC 01 07:07:06.5-3.6, 16.55S:69.27W, h184km, 12km, mb3.2/2,
mbtm3.8/2, Error ellipse: s-maj=118.7km s-min=55.1km
bz=180.0

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC, h, m, s, ISC. Includes stations like IROC Station P, IROC Station P, IROC Station P, etc.

IDC 01 07:10:51.3-0.6, 27.85S:65.13E, h0km, mb4.1/12,
mbtm4.1/12, MS3.4/14, Error ellipse: s-maj=23.0km
s-min=18.2km az=77.0

NEIC 01 07:10:53.3-1.1, 27.65S:0.09:65.1E:0.1, h10km, 1km,
mb4.5/14, Error ellipse: s-maj=20.1km s-min=8.0km
bz=131.0

ISC 01 07:10:52.8-0.6, 27.75S:0.1:65.1E:0.1, h10km, n46,
-089/29, mb4.4/17, MS3.5/14, Indian Ocean Triple
Junction

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC, h, m, s, ISC. Includes stations like Rodrigues Isla, Vohitsoka, Diego Garcia H, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC, h, m, s, ISC. Includes stations like Scott Base, Alibek, GNI, AAK, etc.

IDC 01 07:17:21.6-9.3, 25.59S:179.93E, h507km, 76km, mb3.1/4,
mbtm4.0/5, Error ellipse: s-maj=41.7km s-min=23.7km
bz=38.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC, h, m, s, ISC. Includes stations like Urewera, ASAR, WRA, GSPA, etc.

RSNC 01 07:39:43.2-0.0, 11°N, 2°x7'4W, h7km, 2km, M2.7, mb4.0,
ML2.5, Near north coast of Colombia

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC, h, m, s, ISC. Includes stations like Santa Marta, ARGC, CRUC, etc.

IDC 01 07:44:18.4-3.7, 21.51S:178.77W, h572km, 41km,
mb3.3/11, mbtm4.2/12, Error ellipse: s-maj=21.3km
s-min=18.3km az=167.0

NEIC 01 07:44:19.6-1.8, 21.4S:0.1:178.9W:0.2, h573km, 10km,
mb4.2/30, Error ellipse: s-maj=24.8km s-min=17.2km
bz=137.0

ISC 01 07:44:21.3-0.5, 21.55S:0.1:178.84W:0.10, h602km, n60,
-089/27, mb4.1/28, Fiji Islands region

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC, h, m, s, ISC. Includes stations like Niue, AFU, URZ, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC, h, m, s, ISC. Includes stations like Pilbara Seismi, Marble Bar, MAURE, etc.

IDC 01 07:52:33.0-8.5, 54.0S:151.67E, h0km, mb4.0/9,
mbtm4.0/10, ML2.3/1, MS3.1/2, Error ellipse:
s-maj=34.3km s-min=16.5km az=121.0

NEIC 01 07:52:37.8-0.6, 5.80S:0.06:151.76E:0.05, h10km, 2km,
mb4.1/12, Error ellipse: s-maj=11.8km s-min=4.1km
bz=36.0

ISC 01 07:52:38.5-1.1, 5.71S:0.09:151.6E:0.1, h10km, n31,
-186/18, mb4.1/14, New Britain region

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC, h, m, s, ISC. Includes stations like Rabaul, Manus Island, Port Moresby, etc.

IDC 01 07:52:33.0-8.5, 54.0S:151.67E, h0km, mb4.0/9,
mbtm4.0/10, ML2.3/1, MS3.1/2, Error ellipse:
s-maj=34.3km s-min=16.5km az=121.0

NEIC 01 07:52:37.8-0.6, 5.80S:0.06:151.76E:0.05, h10km, 2km,
mb4.1/12, Error ellipse: s-maj=11.8km s-min=4.1km
bz=36.0

ISC 01 07:52:38.5-1.1, 5.71S:0.09:151.6E:0.1, h10km, n31,
-186/18, mb4.1/14, New Britain region

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC, h, m, s, ISC. Includes stations like Warramunga Arr, Warramunga Arr, Warramunga Arr, etc.

1d 8h

Table with columns: Code, Station Name, Az, El, Op, P, Res, Time, Res, ISC. Includes stations like TORO Torodi Ar. Bea, BDBF Brasilia, BGR 01, etc.

Main station list table with columns: Code, Station Name, Az, El, Op, P, Res, Time, Res, ISC. Lists numerous stations including MARNC, LIFNC, PINNC, etc.

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Main station list table with columns: Code, Station Name, Az, El, Op, P, Res, Time, Res, ISC. Lists numerous stations including NJ2 Nanjing, IPM Ipoh, RPN Rapa Nui, etc.

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Main station list table with columns: Code, Station Name, Az, El, Op, P, Res, Time, Res, ISC. Lists numerous stations including BRTR Keskin Array B, DPC Dobruska-Polom, etc.

MOS 01 08:35:24.2, 1.2, 34.33N, 45.78E, h14km, mb5.3/43, MS4.3/31, Error ellipse: s-maj=4.5km s-min=2.9km az=105.4

Table with columns: Code, Station Name, Az, El, Op, P, Res, Time, Res, ISC. Lists stations like KGSJ Ghaer-e-Shirin, IDHR Dehresh, etc.



Table with columns: Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like APE, TIRR, AKAS, TIRG, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like SRE, PUNG, AKAS, AKKB, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like MNK, ARU, MORH, UCH, etc.











Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like U35K Hyder, CRAG Craig, CBN Corbiel Frederi, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like SIGR comp=E,3591µm,0.3s, CHOS Chios island, etc.

Table with columns: RNF, RANF, RANP, etc. Includes stations like Ranua, ARCES ARCES Array S, etc.

NNC 01 08:55:48.9±0.1, 42°40'N-80°38'E, h0km, mb3.2, mpv3.1, Error ellipse: s-maj=6.6km s-min=5.2km az=123.0

SOME 01 08:55:48.0, 42°38'N-80°43'E, h15km, KRNET 01 08:55:50.5±0.1, 42°31'N-80°41'E, mb2.4

ISC 01 08:55:51.3±1.5, 42°54'N-0°05:80°36E, 0.06, h10km, n44, e154/76, 16C-9D, Kyrgyzstan-Xinjiang border region

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

THE 01 08:35:38.9, 38°89'N-26°21'E, h6km±1km, ML2.8/7, Error ellipse: s-maj=1.2km s-min=0.5km az=66.0

ATH 01 08:35:38.6, 38°89'N-26°20'E, h12km±2km, ML2.8/5, Error ellipse: s-maj=2.6km s-min=0.9km az=279.0

AFAD 01 08:35:38.7±0.0, 38°89'N-26°27'E, h6km±3km, ML2.9, ISC 01 08:35:38.1±0.9, 38°89'N-02°26'24E, 0.02, h14km±gkm, n39, e056/467, Aegean Sea

KOLA 01 08:40:44.7, 67°60'N-33°83'E, h0km, ML2.0, Error ellipse: s-maj=5.9km s-min=1.7km az=160.0, Khibiny, mines Rasvumchorr, Central

HEL 01 08:40:49.0±0.2, 67°76'N-33°62'E, h0km, ML1.8, Explosion, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like APA Apatity, APAD Apolity Array, etc.



Table with columns: GVD, Gavdhos, 0.40 260, P, Pb, 10 13 23.8 +0.3, 10 13 31.1 +1.1, 10 13 23.8 +0.3, 10 13 30.3 +0.5, 10 13 37.8, 10 13 37.9, 10 13 24.4 +0.2, 10 13 32.9 +1.5, 10 13 24.1 -0.3, 10 13 31.9 +0.3, 10 13 23.7 -0.7, 10 13 32.6 +1.0, 10 13 24.3 -0.1, 10 13 35.9, 10 13 36.4, 10 13 28.4 +2.4, 10 13 38.2 +4.2, 10 13 28.8 +2.9, 10 13 38.2 +4.1, 10 13 41.0, 10 13 43.0, 10 13 26.3 +0.5, 10 13 35.5 +1.4, 10 13 26.4 +0.5, 10 13 34.4 +0.3, 10 13 44.6, 10 13 45.6, 10 13 29.6 +0.9, 10 13 42.4 +4.0, 10 13 29.3 +0.6, 10 13 40.6 +2.2, 10 13 43.5, 10 13 46.2, 10 13 30.5 +1.6, 10 13 41.3 +2.5, 10 13 50.1, 10 13 52.2, 10 13 34.3 +1.8, 10 13 49.9 +5.0, 10 13 47.2 +2.2, 10 13 48.8 +3.9, 10 13 54.8, 10 13 39.4 +0.1, 10 13 59.5 +3.0, 10 13 39.7 +0.4, 10 13 46.7 +0.2, 10 14 07.6, 10 14 09.4, 10 13 41.6 +1.6, 10 14 02.1 +4.5, 10 13 40.6 +0.6, 10 13 43.2 +0.6, 10 13 43.6 +0.3, 10 14 10.5 +2.2, 10 13 51.7 +3.1, 10 13 51.2 +2.5, 10 14 03.9 +2.0, 10 14 06.9 +0.4, 10 14 38.2 -8.8, 10 14 14.9 +1.0, 10 15 11.0, 10 15 45.0, 10 14 15.1 +0.8, 10 14 52.8 -8.2, 10 15 10.0, 10 15 12.0, 10 14 17.4 -0.1, 10 14 58.0 -8.7, 10 14 18.6 +1.1, 10 15 04.1 -2.6, 10 15 35.0, 10 14 21.6 +1.5, 10 15 13.0, 10 15 18.0, 10 14 16.9 -5.4, 10 14 25.7 -0.2, 10 14 42.8 +1.5, 10 15 39.9 -1.0, 10 15 40.0, 10 15 54.0, 10 15 19.2 +1.7, 10 19 40.8, 10 15 23.9 -0.7, 10 16 58.1 -8.7, 10 15 36.7 -1.9, 10 17 22.9 -9.0, 10 20 24.4, 10 16 56.6 -1.1, 10 24 25.9, 10 16 58.3 -0.1, 10 16 57.8 -1.8, 10 17 06.8 -0.4, 10 25 07.8, 10 18 17.2 -0.4, 10 18 44.1 -1.5, 10 18 46.8 -2.0, 10 29 57.4, 10 18 55.4 -2.0, 10 31 15.7, 10 19 20.0 +0.5

Table with columns: ARCES ARCESS Array B, 34.68 1 P, 10 19 58.6 -1.7, 41.65 51 P, 10 20 58.4 -0.9, 44.31 56 P, 10 21 20.4 -0.5, 45.52 46 P, 10 21 29.1 -1.3, 77.36 45 P, 10 25 04.8 -0.8, 77.53 342 P, 10 25 06.0 -0.3, 80.42 356 P, 10 25 22.5 +0.5, 0.45 114 P, 10 18 42.4 +0.1, 0.45 114 P, 10 18 42.4 +0.1, 0.42 118 P, 10 18 42.6 -0.1, 0.47 118 P, 10 18 49.5 +0.4, 0.47 118 P, 10 18 42.6 -0.1, 0.47 118 P, 10 18 49.4 -0.1, 0.47 118 P, 10 18 51.0 0.0, 0.48 133 P, 10 18 42.6 -0.2, 0.48 133 P, 10 18 42.7 -0.2, 0.54 123 S, 10 18 51.0 0.0, 0.55 17 P, 10 18 43.8 -0.3, 0.55 17 P, 10 18 51.8 +0.1, 0.55 17 P, 10 18 43.6 -0.4, 0.55 17 P, 10 18 51.9 +0.2, 0.55 17 P, 10 18 43.7 -0.3, 0.55 17 P, 10 18 51.4 0.0, 0.55 17 P, 10 18 55.0, 0.57 133 P, 10 18 44.0 -0.5, 0.75 349 S, 10 18 52.7 +0.4, 10 18 48.4 +0.6, 10 18 58.1 +0.6, 10 19 00.2, 0.80 166 P, 10 19 01.1, 0.80 166 P, 10 18 49.1 +0.4, 0.85 41 P, 10 19 00.4 -0.5, 0.85 41 P, 10 18 48.7 +0.2, 0.85 41 P, 10 18 50.4 +0.1, 0.85 41 P, 10 19 02.3 -0.1, 0.85 41 P, 10 18 49.4 -0.1, 0.85 41 P, 10 19 01.3 +0.2, 0.85 41 P, 10 19 04.2, 0.87 354 P, 10 18 50.0 +0.3, 0.87 354 P, 10 19 02.3 +0.6, 0.87 354 P, 10 18 49.8 0.0, 0.87 354 P, 10 19 02.5 +0.8, 0.89 122 P, 10 18 50.1 +0.1, 0.89 122 P, 10 19 02.1 0.0, 0.91 156 P, 10 18 50.2 -0.2, 0.91 156 P, 10 19 03.3 +0.5, 0.91 156 P, 10 18 50.2 -0.2, 0.91 156 P, 10 19 02.5 +0.4, 0.91 156 P, 10 19 04.3, 0.96 158 P, 10 18 51.4 +0.1, 1.16 109 P, 10 18 54.2 -0.3, 1.16 109 P, 10 19 09.9 0.0, 1.16 109 P, 10 18 54.3 -0.3, 1.20 18 P, 10 19 09.2 -0.2, 1.20 18 P, 10 18 54.3 -0.7, 1.20 18 P, 10 19 10.5 0.0, 1.20 18 P, 10 18 55.3 +0.2, 1.20 18 P, 10 19 10.9 0.0, 1.31 94 P, 10 18 57.1 -0.2, 1.34 45 S, 10 18 56.9 -0.2, 1.34 45 S, 10 19 14.3 -0.2, 1.34 45 S, 10 18 57.2 +0.2, 1.34 45 S, 10 19 14.2 -0.4, 1.34 45 S, 10 19 18.2, 1.41 157 P, 10 19 20.2, 1.42 132 P, 10 18 58.1 +0.1, 1.46 106 P, 10 18 57.9 -0.2, 1.54 342 P, 10 18 59.2 +0.4, 1.57 69 P, 10 18 59.7 -0.3, 1.57 27 P, 10 19 00.5 +0.3, 1.66 310 P, 10 19 01.3 -0.1, 1.66 310 P, 10 19 21.1 -1.2, 2.02 28 P, 10 19 06.6 +0.2, 2.02 28 P, 10 19 31.4 +0.3, 2.02 28 P, 10 19 06.5 +0.2, 2.16 14 P, 10 19 09.3 +1.0

Table with columns: OHR Tirane, 2.34 355 P, 10 19 35.5 +0.8, 3.03 357 P, 10 19 11.1 +0.4, 3.11 30 P, 10 19 19.7 -0.6, 8.53 336 ePn, 10 19 22.5 +1.2, 8.54 333 ePn, 10 20 33.3 -2.4, 10 20 33.8 -2.1, TEH 01 10:21:07.5, 34:41N:45:80E, h8km, 254km, ML2.7, 10 19 35.5 +0.8, 10 19 11.1 +0.4, 10 19 19.7 -0.6, 10 19 22.5 +1.2, 10 20 33.3 -2.4, 10 20 33.8 -2.1, Code Station Name, Delta A, Delta Z, Phase ID, Time Res, h m s, ISC, KGS1 Ghar-e-Shirin, 2.34 355 P, 10 21 12.1 -0.4, IDHR Dhehrash 0.54 57 P, 10 21 18.2 -0.2, IGHG Ghaleghazi 0.61 97 P, 10 21 20.4 +0.7, IGHG Ghaleghazi 0.61 97 P, 10 21 30.4 -0.4, ILBA Iliam Banvizeh 0.84 158 P, 10 21 23.6 -0.5, KCHF Kuchatov Arra 1.00 97 P, 10 21 27.2 -0.1, LIN LIAN 1.06 61 P, 10 21 28.2 -0.2, IBDR Badra 1.30 177 eP, 10 21 33.0 +0.1, IBDR Badra 1.30 177 eP, 10 21 52.0 +0.8, IBDR Badra 1.30 177 eP, 10 21 56.4, IBDR comp=E, 116nm, 0.4s, 10 21 56.6, BHD Baghdad 1.66 227 eP, 10 21 40.0 +0.1, BHD Baghdad 1.66 227 eP, 10 22 02.0 +0.6, IBZA Bozab 1.67 87 P, 10 21 39.7 -0.5, RAFI Al-Rafai 2.69 175 ePn, 10 21 53.0 -0.6, RAFI Al-Rafai 2.69 175 ePn, 10 22 28.0 -2.4, IDC 01 10:21:09.6, 1.1, 30:63N:95:79E, h0km, mb3.5/7, mbtmp3.5/8, ML3.3/1, Error ellipse: s-maj=66.8km, s-min=20.5km az=53.0, 10 21 42.6 -0.1, 10 18 49.5 -0.1, Code Station Name, Delta A, Delta Z, Phase ID, Time Res, h m s, ISC, MKAR Makanchi Array, 2.09 331 P, 10 25 35.5 -0.1, AAK Ala-Archa 20.79 311 P, 10 25 53.2 +0.1, KURBS Kurchatov Arra 23.74 332 P, 10 26 23.3 -0.4, ZALV Zalesovo Beam 24.58 344 P, 10 26 30.6 -0.7, MMAI Mount Meron Arr 50.74 289 P, 10 30 11.2 -0.3, NOA NORSAR Array B 61.12 326 P, 10 31 26.1 +0.7, WRA Warramunga Arr 62.49 139 P, 10 31 35.8 +0.8, ASAR Alice Springs 65.22 141 P, 10 31 52.0 -0.9, IDC 01 10:28:17.0, 1.4, 27:81N:104:83E, h0km, mb3.4/4, mbtmp3.4/4, Error ellipse: s-maj=90.0km, s-min=23.7km, az=64.0, 10 18 56.0, IDC 01 10:28:18.1, 1.5, 27:9N:03:105:0E:0.8, h10km, n5, c2:70/5, mb3.5/3, Yunnan, 10 18 44.0 -0.5, 10 18 52.7 +0.4, 10 18 48.4 +0.6, 10 18 58.1 +0.6, 10 19 00.2, 10 19 01.1, 10 18 49.1 +0.4, 10 19 00.4 -0.5, 10 18 48.7 +0.2, 10 18 50.4 +0.1, 10 19 02.3 -0.1, 10 18 49.4 -0.1, 10 19 01.3 +0.2, 10 19 04.2, 10 18 50.0 +0.3, 10 19 02.3 +0.6, 10 18 49.8 0.0, 10 19 02.5 +0.8, 10 18 50.1 +0.1, 10 19 02.1 0.0, 10 18 50.2 -0.2, 10 19 03.3 +0.5, 10 18 50.2 -0.2, 10 19 02.5 +0.4, 10 19 04.3, 10 18 51.4 +0.1, 10 18 54.2 -0.3, 10 19 09.9 0.0, 10 18 54.3 -0.3, 10 19 09.2 -0.2, 10 18 54.3 -0.7, 10 19 10.5 0.0, 10 18 55.3 +0.2, 10 19 10.9 0.0, 10 18 57.1 -0.2, 10 18 56.9 -0.2, 10 19 14.3 -0.2, 10 18 57.2 +0.2, 10 19 14.2 -0.4, 10 19 18.2, 10 19 20.2, 10 18 58.1 +0.1, 10 18 57.9 -0.2, 10 18 59.0 +0.3, 10 18 59.2 +0.4, 10 19 00.5 +0.3, 10 19 01.3 -0.1, 10 19 21.1 -1.2, 10 19 06.6 +0.2, 10 19 31.4 +0.3, 10 19 06.5 +0.2, 10 19 09.3 +1.0

1d 12h

Table with columns: SDDR, Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like SDDR, SDRR, SDRR, SDRR, SABCS, RCC, RCC, RCC, ABDR, ABDR, ABDR, ABDR, ABDR, PINC, STH, STH, YAR, YAR, YAR, LMGC, LMGC, LMGC.

MEX 01 10:39:47.4±1.0, 15.77N±.95°15'W, h13km, 7km, MD4.3
IDC 01 10:39:47.8±8.6, 16.91N±.94°28'W, h0km, mb3.2/3,
mbmp3.2/4, ML3.2/1, Error ellipse: s-maj=188.2km
s-min=107.4km az=16.0
ISC 01 10:39:42.7±1.4, 15.91N±0.04°95'11W±0.02, h5km±10km,
n26.±142/40, mb3.3/3, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like NILT, NILT, HUIG, HUIG, CMIG, CMIG, CMIG, CARR, CARR, UXUV, UXUV, UXUV, PCIG, PCIG, NEUV, NEUV, VHO, VHO, PEIG, PEIG, TGIG, TGIG, YOIG, YOIG, TOIG, TOIG, THIG, THIG, PNIG, PNIG, HLIG, HLIG, THIG, THIG, FTIG, FTIG, JALU, JALU, TXAR, TXAR, NVAR, NVAR, YKA, YKA, H03N2, H03N1, H03N3, ILAR, ILAR.

DJA 01 10:50:31.8±0.3, 9°S±3'11"E±, h10km, M4.5/18, mb4.6/6,
mb4.9/1, MLV4.5/18, Mw(mb)4.2/1
NEIC 01 10:50:33.2±1.9, 0°S±0.10, 111°30'E±0.07, h55km±8km,
mb4.1/10, Error ellipse: s-maj=14.8km s-min=9.3km
az=20.0
IDC 01 10:50:35.6±2.2, 8.76S±, 111°48'E±, h68km±20km, mb3.7/16,
mbmp4.0/18, MS3.2/6, Error ellipse: s-maj=23.5km
s-min=11.7km az=41.0
ISC 01 10:50:33.5±0.5, 9°11'S±0.06±11°31'E±0.04, h58km±n70,
±157/72, mb4.1/21, MS3.3/5, South of Jawa

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like PWJI, PWJI, UGM, UGM, UGM, UGM, YOGI, YOGI, NGJI, NGJI, SMRI, SMRI, SMRI, GRJI, GRJI, BLJI, BLJI, JAGI, JAGI, JAGI, KPGI, KPGI, CMJI, CMJI, ABJI, ABJI, SBJI, SBJI, LEM, LEM, LEM, LEM, TWSI, TWSI, XMI, XMI, XMIS, XMIS, PLAI, PLAI, PLAI, EDFI, EDFI, MMRI, MMRI, BATI, BATI, BATI, SOEI, SOEI, GIRL, GIRL, MBWA, MBWA, MBWA, KNTA, KNTA, KNTA, DAV, DAV.

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Table with columns: WB0, WB0, WRA, WRA, AS31, ASAR, ASAR, CMAR, CMAR, COEN, STKA, COEN, STKA, H0S2, H0S2, H0S3, H0S3, H0S1, H0S1, KSRS, KSRS, MJAR, MJAR, SONM, SONM, SONM, HEH, HEH, HEH, HEH, MKH, MKH, MK31, MK31, MKAR, MKAR, KURBB, KURBB, ZALV, ZALV, GEYT, GEYT, BVAR, BVAR, BRVK, BRVK, PETK, PETK, ABKAR, ABKAR, NRK, NRK, QSPA, QSPA, QSPA, QSPA, KBZ, KBZ, TIXI, TIXI, ASF, ASF, BRTR, BRTR, TXAR, TXAR.

IDC 01 10:57:24.8±2.8, 2.03S±, 133°29'E±, h0km, mb3.4/2,
mbmp3.4/3, ML3.5/1, Error ellipse: s-maj=125.6km
s-min=29.9km az=75.0, Irian Jaya region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like WRA, WRA, ASAR, ASAR, MKAR, MKAR.

TEH 01 10:58:06.6, 34°43'N±45°50'E±, h8km±36km, ML3.3
ISN 01 10:58:08.9±1.2, 34°43'N±45°51'E±, h29km±7km, ML3.3
ISC 01 10:58:07.1±0.9, 34°44'N±0°03±45°52'E±0.03, h10km±n19,
±1946/23, Iran-Iraq border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like KGSJ, KGSJ, IDHR, IDHR, IGHG, IGHG, ILBA, ILBA, ILBA, ILBA, IDBR, IDBR, IDBR, IDBR, BHD, BHD, IKFM, IKFM, IDOB, IDOB, HSAM, HSAM, MAHI, MAHI, RAFI, RAFI, RAFI, RAFI, HAGD, HAGD, IZRI, IZRI, GARM, GARM, IAMS, IAMS.

NNC 01 11:12:11.8±0.4, 49°38'N±78°72'E±, h0km, mb3.4, mpv2.9,
Error ellipse: s-maj=7.3km s-min=2.2km az=76.0,
Suspected Mining explosion.
IDC 01 11:12:13.7±1.0, 50°07'N±78°79'E±, h0km±mbmp2.7/2,
ML2.2/2, Error ellipse: s-maj=12.6km s-min=6.5km
az=64.0
ISC 01 11:12:13.5±1.1, 50°10'N±0°06±78°79'E±0.1, h0km±n21,
±083/27, 15C-10D, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like KUR07, KUR07.

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Table with columns: KUR06, KUR06, KUR14, KUR14, KUR15, KUR15, KURBB, KURBB, KURBB, KURBB, KURBB, KURBB, KUR16, KUR16, KUR05, KUR05, KUR17, KUR17, KUR04, KUR04, KURK, KURK, KURK, KURK, MAK2, MAK2, MK31, MK31, MKAR, MKAR, MKAR, MKAR, OTUK, OTUK, I46RU, I46RU, ZALV, ZALV, ZALV, BVA0, BVA0, BVA0, BVAR, BVAR, AAK, AAK, KK31, KK31.

NEIC 01 11:40:30.7±0.5, 35°54'N±0°19±67°7'W±0°02, h5km±1km,
Error ellipse: s-maj=3.0km s-min=2.8km az=321.0
TUL 01 11:40:31.0±6.3, 35°54'N±0°19±67°7'W±0°02, h7km±3km,
ML2.4, mb\_Lg2.6/11(NEIC), ML2.2/11(NEIC), Error
ellipse: s-maj=2.3km s-min=1.1km az=116.0, Oklahoma

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like DEOK, DEOK, DEOK, W35A, W35A, W35A, OK05, OK05, OK05, ADOK, ADOK, OK03, OK03, OKCSW, OKCSW, FNO, FNO, OK029, OK029, QUOK, QUOK, OK048, OK048, CROK, CROK, X35A, X35A, X37A, X37A, RLO, RLO, GCO2, GCO2, WNOK, WNOK, KAN08, KAN08, X40A, X40A, FCAR, FCAR, HBAR, HBAR, MLDN, MLDN, HND0, HND0.

TEH 01 11:55:23.4, 34°46'N±45°52'E±, h10km±99km, ML2.5
ISN 01 11:55:24.5±1.1, 34°46'N±45°52'E±, h32km±7km, ML2.2
ISC 01 11:55:23.6±1.2, 34°46'N±0°06±45°52'E±0.04, h10km±n8,
±0871/11, Iran-Iraq border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like KGSJ, KGSJ, IDHR, IDHR, IGHG, IGHG, ILBA, ILBA, IDBR, IDBR, IDBR, IDBR, BHD, BHD, IKFM, IKFM, IDOB, IDOB, HSAM, HSAM, MAHI, MAHI, RAFI, RAFI, RAFI, RAFI, HAGD, HAGD, IZRI, IZRI, GARM, GARM, IAMS, IAMS.

GCG 01 12:12:51.5±0.7, 14°28'N±93°01'W±, h8km±9km, MD4.7
SNET 01 12:12:59.1±0.8, 13°39'N±92°39'W±, h30km±10km, ML5.2
MEX 01 12:13:00.8±0.7, 14°06'N±92°50'W±, h18km±4km, MD4.8
NEIC 01 12:13:04.7±1.7, 14°25'N±0°08±92°08'W±0°09, h66km±7km,
mb4.7/92, Error ellipse: s-maj=14.2km s-min=10.4km
az=57.0
IDC 01 12:13:08.0±1.9, 14°44'N±91°58'W±, h97km±15km, mb4.1/25,
mbmp4.5/28, MS3.8/4.1, Error ellipse: s-maj=23.4km
s-min=11.1km az=47.0
ISC 01 12:13:01.5±0.9, 14°11'N±0°05±92°37'W±0°04, h51km±gkm,
n626.±1951/630, mb4.6/50, MS3.7/39, Near coast of
Chiapas

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like RTAL, RTAL, RTAL, RTAL, THIG, THIG.



Table with columns: Name, Value, Unit, Status, Date, and other details. Includes entries like THIG Suchitepequez, SULM Santiaguero, STG3 Santiaguero, etc.

Table with columns: Name, Value, Unit, Status, Date, and other details. Includes entries like 143A Socs Landing, OZNA Ozona, 352A Blakely, etc.

Table with columns: Name, Value, Unit, Status, Date, and other details. Includes entries like MVCO Mesa Verde, Q24A Divide, ACSO Alto Creek Sta, etc.

1d 12h

Table with columns for station ID, name, elevation, frequency, and signal strength. Includes stations like DGMT Dagmar, MACA Mamac, LRM Limestone Ridge, ULM Lac du Bonnet, LYMT Lyon Mountain, etc.

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Table with columns for station ID, name, elevation, frequency, and signal strength. Includes stations like MAYO Mayo, Yukon, O28M Mount Upton, YUK8 Steele Glacier, M29M Somme Creek, etc.

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Table with columns for station ID, name, elevation, frequency, and signal strength. Includes stations like G26K Porcupine Rive, HOM Homer, IL31 Sitkinak Island, ILAR Elison Array, etc.

Table with columns: Station ID, Name, Elevation, Azimuth, Azimuth Error, Station Type, Date, Time, Residual, and other parameters. Includes stations like S14K Fog Glacier, J19K Poorman, D23K Namuak River, etc.

Table with columns: Station ID, Name, Elevation, Azimuth, Azimuth Error, Station Type, Date, Time, Residual, and other parameters. Includes stations like MDT Midelt, BILL Bilibino, AFI Afiamalu, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like KDAK Kodiak Island, OHAK Old Harbor, etc.

Table with columns: Station ID, Name, Elevation, Azimuth, Azimuth Error, Station Type, Date, Time, Residual, and other parameters. Includes stations like SNH Sunshine Point, SNH Koku-N, O18K Koptuh, etc.

comp=Z,25nm,18.8s,baz=98,slow=40
OPO Ambohidratompo 60.90 206 LR
comp=Z,48nm,19.8s,baz=15,slow=34

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like THIG, THIG, THIG, SULM, SULM, etc.

TEH 01 12:41:42.3,34.43N,45.83E,h8km,202km,ML2.5
ISC 01 12:41:43.4,0.9,34.23N,45.90E,h8km,200km,ML2.3
SN 01 12:41:44.4,1.3,34.40N,0.06,45.93E,0.07,h10km,n10,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KGS1, IDHR, IGHH, etc.

IDC 01 12:46:34.8,3.4,32.31S,177.79W,h0km,mb3.3/2,
mbtmp3.4/3,ML2.8/1,Error ellipse: s-maj=78.0km
s-min=38.4km az=117.0, South of Kermadec Islands

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

IDC 01 12:50:49.7,9.8,19.44S,177.00W,h0km,mb3.8/3,
mbtmp3.8/3,Error ellipse: s-maj=429.6km
s-min=41.5km az=144.0, Fiji Islands region

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

NEIC 01 12:54:48.6,2.2,20.3S,0.1,177.6W,0.2,h514km,10km,
mb4.4/21,Error ellipse: s-maj=20.9km s-min=17.3km
az=108.0

IDC 01 12:54:49.6,2.8,20.20S,177.97W,h512km,30km,
mb3.3/14,mbtpp4.1/15,Error ellipse: s-maj=18.2km
s-min=13.4km az=87.0

ISC 01 12:54:48.1,0.5,20.20S,0.08,177.9W,0.1,h500km,n48,
s105/47,mb4.0/25,2,10-Fiji Islands region

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

comp=Z,5.8nm,0.7s,baz=46,slow=0.6,SNR=66
MJAR Matsushiro Arr 70.03 324 P P
comp=Z,1.5nm,0.5s,baz=152,slow=5.5,SNR=12

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JKA, PETK, KSRS, etc.

NEIC 01 13:10:12.0,1.0,2.05S,8.0,1,103.4E,0.1,h10km,1km,
mb4.1/8,Error ellipse: s-maj=18.8km s-min=14.9km
az=26.0

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

IDC 01 13:10:12.2,0.1,2.05S,8.0,1,103.4E,0.1,h10km,1km,
mbtpp3.8/19,ML3.8/1,MS3.3/19,Error ellipse:
s-maj=20.0km, s-min=15.1km az=69.0

ISC 01 13:10:15.8,0.5,25.26N,0.04,101.89E,0.04,h10km,n60,
s212/40,mb3.9/21,MS3.4/18,2C, Yunnan

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

IDC 01 13:14:35.2,3.4,17.29N,119.03E,h0km,mb3.4/4,
mbtpp3.4/4,Error ellipse: s-maj=428.2km
s-min=23.3km az=61.0, Philippine Islands region

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

IDC 01 13:33:39.2,0.6,9.32S,125.25E,h0km,mb4.0/13,
mbtpp4.0/13,ML4.0/3,MS3.2/2,Error ellipse:
s-maj=24.9km s-min=14.5km az=75.0

DJA 01 13:33:43.1,0.6,10.5,4,12.5E,1, h12km,5km, M4.2/10,
mb4.4/7, mb5.1/1, MLv4.1/10, Mw(mb)4.4/1

NEIC 01 13:33:45.0,1.9,9.53S,0.06,125.10E,0.05,h44km,13km,
mb4.0/4,Error ellipse: s-maj=10.9km s-min=3.1km
az=136.0

ISC 01 13:33:44.2,0.5,9.48S,0.07,125.13E,0.06,h33km,n55,
s1940/51,mb4.0/14, Timor region

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

TIA Tai'an 17.03 47 P Pn
TIA comp=Z,2.0nm,0.4s

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like WMQ, SONM, KSRS, etc.

IDC 01 13:14:35.2,3.4,17.29N,119.03E,h0km,mb3.4/4,
mbtpp3.4/4,Error ellipse: s-maj=428.2km
s-min=23.3km az=61.0, Philippine Islands region

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

IDC 01 13:14:35.2,3.4,17.29N,119.03E,h0km,mb3.4/4,
mbtpp3.4/4,Error ellipse: s-maj=428.2km
s-min=23.3km az=61.0, Philippine Islands region

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

IDC 01 13:14:35.2,3.4,17.29N,119.03E,h0km,mb3.4/4,
mbtpp3.4/4,Error ellipse: s-maj=428.2km
s-min=23.3km az=61.0, Philippine Islands region

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

IDC 01 13:14:35.2,3.4,17.29N,119.03E,h0km,mb3.4/4,
mbtpp3.4/4,Error ellipse: s-maj=428.2km
s-min=23.3km az=61.0, Philippine Islands region

IDC 01 13:14:35.2,3.4,17.29N,119.03E,h0km,mb3.4/4,
mbtpp3.4/4,Error ellipse: s-maj=428.2km
s-min=23.3km az=61.0, Philippine Islands region

IDC 01 13:14:35.2,3.4,17.29N,119.03E,h0km,mb3.4/4,
mbtpp3.4/4,Error ellipse: s-maj=428.2km
s-min=23.3km az=61.0, Philippine Islands region

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

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like BAIING, DARWIN, MTN, etc.

IDC 01 13:42:17.4,0.7,0.58S,138.01E,h0km,mb4.0/10, mbmp3.6/7,ML1.8/1, Error ellipse: s-maj=16.5km s-min=6.0km

NEIC 01 13:42:19.6,1.3,0.65S,01.138.0E,0.1,h10km,n50, mb4.5/24, Error ellipse: s-maj=20.2km s-min=16.7km az=63.0

IDC 01 13:42:19.2,0.6,0.65S,0.07,137.9E,0.1,h10km,n50, az=079/45,mb4.3/16,MS3.1/9,Iran Jaya region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like FAKI, PMG, MTN, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like TORCH, LAKE, SONGINGO, etc.

SJA 01 13:50:01.4,0.6,30.65S,71.92W,h3km,3km,ML3.5, MW3.0

GUC 01 13:50:05.3,0.8,30.67S,71.61W,h3km,2km,ML3.8

ISC 01 13:50:05.6,1.2,30.66S,0.02,71.85W,0.06,h24km,8km, n46,c232/67,1C-3D,Near coast of central Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like CO06, CO02, CO01, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like MT16, MT16, MT03, etc.

IDC 01 13:52:10.2,1.6,0.03S,142.88E,h0km,mb3.5/5, mbmp3.6/7,ML1.8/1, Error ellipse: s-maj=42.1km s-min=24.8km az=59.0

ISC 01 13:52:14.6,0.9,6.48S,0.09,142.51E,0.10,h35km,n8, c266/11,mb3.5/5,New Guinea

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like PMG, WRA, WRA, etc.

IDC 01 13:57:59.4,4.7,34.64N,72.79E,h0km,mb3.6/4, mbmp3.5/7,ML3.0/3, Error ellipse: s-maj=87.5km s-min=45.9km az=148.0

ISC 01 13:58:02.9,2.1,34.7N,0.2,72.8E,0.2,h21km,n9, c1864/10,mb3.7/4,1C-1D,Pakistan

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like KK31, KK31, MKAR, etc.

TEH 01 13:59:53.1,34.53N,45.55E,h10km,999km,ML2.8

ISC 01 13:59:54.9,1.3,34.52N,45.54E,h20km,9km,ML2.3

ISC 01 13:59:54.9,1.6,34.58N,0.08,45.63E,0.07,h27km,10km, n9,c124/12,Iran-Iraq border region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like KG51, DHR, IGHG, etc.



Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like PFO Pinyon Flats, KSRS Korea Arr, NVAR Mina Array, etc.

ICD 01 15:39:56.8, 10.0, 0.26N, 123.83E, h94km, 96km, mb3.1/6, mbtmp3.4/6, MS2.9/2, Error ellipse: s-maj=123.1km s-min=19.3km az=67.0

DJA 01 15:40:02.0, 0.5, 0.5, S5x12.3E, h145km, 10km, M3.9/12, mb4.2/3, MLV3.8/12

ISC 01 15:40:03.2, 0.8, 0.02S, 108.123, 41E, 0.08, h157km, n19, c1523/18, mb3.3/6, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like GTOI Gorontalo, KMSI Cibinong, LUWI Luwuk, etc.

HEL 01 15:40:48.6, 0.5, 67.17N, 20.59E, h0km, ML1.0, Suspected explosion, Sweden

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like LANU Lannavaara, KLF Kolari, KLF Hetta, etc.

HEL 01 15:41:02.4, 0.1, 67.63N, 33.79E, h0km, ML1.5, Suspected explosion, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like LVZ Lovozero, VRF Vario, VRF Vario, etc.

Table with columns: RANF, KEV, KEV, KEV, ARAO, ARAO, ARAO, KLF, HEF, KLF, KALU. Includes station names like Kevo, ARCESS Array S, etc.

ICD 01 15:53:41.9, 1.4, 34.38N, 23.59E, h0km, mb3.7/6, mbtmp3.5/10, ML3.4/4, MS2.8/1, Error ellipse: s-maj=29.1km s-min=22.4km az=166.0

THE 01 15:53:44.8, 34.47N, 23.43E, h0km, 4km, ML2.7/3, Error ellipse: s-maj=7.3km s-min=2.4km az=208.0

ISC 01 15:53:46.2, 1.0, 34.21N, 0.09, 23.54E, 0.08, h33km, n15, c1514/19, mb3.5/6, Crete

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like GVD Gavdhos, GVD Gavdhos, IMMV Iera Moni Meta, etc.

ICD 01 16:01:22.9, 1.5, 34.41N, 45.76E, h0km, mb3.5/7, mbtmp3.5/7, MS2.5/1, Error ellipse: s-maj=39.2km s-min=23.0km az=171.0

TEH 01 16:01:24.4, 34.42N, 45.77E, h0km, 28km, ML3.3 ISN 01 16:01:25.9, 1.2, 34.47N, 45.80E, h30km, 7km, ML3.4

ISC 01 16:01:25.0, 1.2, 34.41N, 0.03, 45.79E, 0.03, h10km, 9km, n35, c1522/40, mb3.4/7, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KGS1 Ghas-e-Shirin, IDHR Dehrash, IGHG Ghaleghaz, etc.

HEL 01 16:02:02.5, 0.0, 23.80N, 120.91E, h28km, mb4.2/10, mb4.3/4, ML4.0/7, Ms7.3/1, Ms7.3/3

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MKAR Makanchi Array, HFS Hagfors, EKA Eskdalemuir Ar, etc.

BUI 01 16:02:02.5, 0.0, 23.80N, 120.91E, h28km, mb4.2/10, mb4.3/4, ML4.0/7, Ms7.3/1, Ms7.3/3

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like ASIES 01 16:02:04.2, 23.82N, 120.85E, h30km, ML4.5, Mw4.0, Moment Tensor Solution, etc.

delta 72.00000, lambda 87.00000, NP2: phi 235.00000, delta 18.00000, 1.100.00000, NEIC 01 16:02:04.6, 1.6, 23.80N, 120.91E, h28km, 5km, mb4.4/8, Error ellipse: s-maj=4.2km s-min=1.5km az=97.0

ICD 01 16:02:09.1, 4.0, 23.82N, 121.17E, h80km, 42km, mb3.5/8, mbtmp3.8/10, ML3.2/4, MS3.1/11, Error ellipse: s-maj=32.8km s-min=14.2km az=56.0

ISC 01 16:02:04.6, 0.5, 23.83N, 120.91E, 0.01, h29km, 2km, n242, c1514/42, 1, mb4.0/14, MS3.2/7, 43C-38D, Taiwan

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like TYC Yuchr, TYC Yuchr, SMLT Sun Moon Lake, etc.







1d 16h

Table with columns: Code, Station Name, Az, El, Time, Res, ISC. Includes stations like CHNS, FULB, WDLH, EHD, WKTO, WCKO, WKRS, TPUB, WTP, WTK, SNST, CHN1, SGST.

KRNET 01 16:39:23.8:0.1,39:89N:72:04E,h19km,mb3.0
ISU 01 16:39:25.1,39:95N:72:09E,h8km
SOME 01 16:39:25.1,39:92N:72:18E,h10km
NMC 01 16:39:26.4:2.2,39:92N:72:23E,h0km,mb3.5,mpv3.4,
Error ellipse: s-maj=17.8km s-min=8.2km az=1.0
ISC 01 16:39:21.7:1.2,39:84N:0:03:72:24E:0:02,h7km,gkm,

Main table of station data for 1d 16h, including station names, coordinates, and observation times.

2018 APR

Table of station data for 2018 APR, including station names, coordinates, and observation times.

CRAAG 01 16:42:29.5,36:36N:2:56E,M13.4,Algerie 06km SE
Oued-Djer
MDD 01 16:42:32.0:0.9,36:50N:2:55E,h0km,mb4.1/7,
M,mb3.4/7,Error ellipse: s-maj=8.5km s-min=4.0km
az=129.0
ISC 01 16:42:30.3:1.0,36:40N:0:05:2:57E:0:04,h18km,m23,
a131/33,5C,Northern Algeria

Main table of station data for 2018 APR, including station names, coordinates, and observation times.

IDC 01 16:43:47.4:0.8,15:65N:94:55W,h0km,mb4.0/13,
mbtmp4,0/14,ML4.0/1,MS3.3/28,Error ellipse:
s-maj=35.6km s-min=11.4km az=68.0
NEIC 01 16:43:52.9:2.5,15:66N:0:06:94:81W:0:04,h36km,gkm,
mb4.4/124,Md4.5/54(MEX),Error ellipse: s-maj=8.1km
s-min=4.8km az=187.0
MEX 01 16:43:53.9:1.4,15:62N:94:81W,h16km,gkm,Md4.5
GCG 01 16:44:34.0:2.0,14:75N:91:82W,h50km,ggxkm,Md4.7
ISC 01 16:43:52.0:4.0,15:62N:0:04:94:84W:0:02,h37km,m368,
a170/335,mb4.3/46,MS3.3/26,Near coast of Oaxaca

Main table of station data for 2018 APR, including station names, coordinates, and observation times.

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Main table of station data for 40, including station names, coordinates, and observation times.



1d 16h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residuals. Includes stations like Arctic Creek, Lisburne Hills, Borgas, etc.

NEIC 01 16:49:33.9-0.9, 37.06N, 01-97.83W, 0.2, h9km, 2km, Error ellipse: s-maj=3.1km s-min=2.4km az=336.0

NEIC 01 16:49:33.8-1.0, 37.08N, 02-97.86W, 0.02, h9km, 4km, mb\_Lg2.5/24, ML2.7/16, ML3.1/49, Error ellipse: s-maj=3.4km s-min=2.3km az=152.0, Kansas

Main table listing station codes, names, and coordinates for stations in the US and Mexico.

2018 APR

OSPL 01 16:50:27.6-3.6, 19.56N, 69.99W, h0km, 12km, ML3.5, SDD 01 16:50:27.0-3.0, 19.64N, 69.90W, h23km, 24km, MD3.8, ML3.6, MW3.9

ISC 01 16:50:22.0-1.1, 19.72N, 03-69.88W, 0.02, h9km, 10km, n43, i09/73, Dominican Republic region

Main table listing station codes, names, and coordinates for stations in the Dominican Republic and other regions.

VAO 01 16:57:45.6-0.9, 21.43S, 71.87W, h10km, mb4.2, SJA 01 16:58:22.8-0.8, 22.60S, 68.95W, h103km, 3km, ML4.0, MW4.0

IDC 01 16:58:23.9-0.6, 22.50S, 68.74W, h88km, 5km, mb3.5/7, mbmp3.8/10, Error ellipse: s-maj=21.0km s-min=16.4km az=131.0

GUC 01 16:58:24.9-0.7, 22.60S, 68.99W, h88km, 2km, ML4.3, NEIC 01 16:58:24.0-1.2, 22.62S, 0.05-69.01W, 0.06, h101km, 5km, mb4.5/13, Error ellipse: s-maj=7.8km s-min=7.0km az=64.0

ISC 01 16:58:23.8-0.6, 22.60S, 0.03-68.93W, 0.04, h98km, 4km, n126, i167/147, mb4.0/3-7C-3D, Northern Chile

Small table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residuals.

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Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residuals. Includes stations like Limon Verde, IPOC Station, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like Serra de San D, Serra de San D, Serra de San D, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like NOU 01 17:08:04.2, NEIC 01 17:08:22.4, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like WRA, AS31, ASAR, ASAR, ASAR, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like GNB, GOBB, HDW, HDW, HDW, etc.

IDC 01 17:19:48.1, 1.1, 25:56N, 109:79W, h0km, mb3.3/2, mbmp3.3/6, ML3.2/3, MS3.5/18, Error ellipse: s-maj=23.5km s-min=11.0km az=111.0

MEX 01 17:19:50.6, 0.8, 25:77N, 110:04W, h7km, 11km, MD4.3, ISC 01 17:19:46.7, 1.2, 25:80N, 02:10-10W, h0.02, h1km, 10km, n46, c171/46, MS3.6/11, 7C-6D, Gulf of California

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

Table with columns: ID, Name, Time, Res, ISC, Phase, etc. Includes entries like CM1G Matias Romero, PDAR Pinedale Array, TEIG Tepich, etc.

Table with columns: ID, Name, Time, Res, ISC, Phase, etc. Includes entries like NNS Nan Shan, NNS HZHANG, NHDH Xindian Distri, etc.

Table with columns: ID, Name, Time, Res, ISC, Phase, etc. Includes entries like ALS Alishan, ALS Guolierlin Hig, WCHI Zhanhua, etc.

TAP 01 17:36:21.2, 24.41N, 122.40E, h58km, 1km, ML3.1, B
JMA 01 17:36:21.8, 0.1, 24.1N, 122.4E, 0.3, h57km, 1km,
MVZ 3/12, NW Off ISHIGAKI JIMA, IS

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists numerous stations like E0S3, E0S2, E0S4, etc.

Main table with columns: ID, Name, Time, Res, ISC, Phase, etc. Lists numerous stations like TWY, TWY, TWY, etc.

Main table with columns: ID, Name, Time, Res, ISC, Phase, etc. Lists numerous stations like ALS, ALS, WCHI, etc.

IDC 01 17:41:13.0, 6.5, 5.72S, -146.07E, h69km, 62km, mb3.5/3, mbtm3.8/5, ML3.4/1, M33.1/3, Error ellipse: s-maj=50.7km s-min=30.5km az=130.0, Eastern New Guinea region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like PMG, PMG, WRA, etc.

NEIC 01 17:48:00.0, 0.4, 36.46N, 0.01, 96.87W, 0.02, h6km, Error ellipse: s-maj=2.0km s-min=1.7km az=210.0, Oklahoma

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like OK048, OK048, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like QUOK, BLOK, OK033, etc.

IDC 01 18:26:21.8;1.0,35:53N;52:29E, h0km, mb3.8/17, mbtm3.9/22, ML3.9/5, MS3.0/11, Error ellipse: s-maj=19.6km s-min=14.4km az=3.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like IFIR, IDMV, ILAS, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like UOSS, GAZ, ASYF, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like EKA, PZH, ESDC, etc.











Table with columns: ID, Name, Az, El, Azimuth, Elevation, Azimuth, Elevation, Azimuth, Elevation, Azimuth, Elevation. Includes rows like D2G, YKA, ICESG, etc.

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Azimuth, Elevation, Azimuth, Elevation, Azimuth, Elevation. Includes rows like WMQ, USRK, SONM, etc.

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Azimuth, Elevation, Azimuth, Elevation, Azimuth, Elevation. Includes rows like LEM, BATI, WRA, ASAR, STKA, etc.



1d 22h

Table with columns: STA, Name, Az, Phase, ID, Op, ISC, h, m, s, Res, ISC. Includes stations like LIA Limnos Island, COMU Canakkale, SMG Samos, GADA Givgeada, CANM Can-anakkale, KYMI Kymi, Euboea I, GELI Tayfur-Gelibol, LMK Lapseki, SPK Samothraki Isl, SMTH Samothraki Isl, APE Apeiranthos, ENIK Eriki-Kesan, ENEZ Enez, THAS Thassos island, ALN Alexandroupoli, ALN Alexandroupoli, OUR Ouranopolis, RDO Rodhopi, RDO Rodhopi, KOKK Kokkinochori.

IDC 01 22:51:18.7z1.6,55:87N;158:98W,h0km,mb3.9/16, mbmp3.9/17,ML4.4/1,MS2.9/3,Error ellipse: s-maj=37.1km s-min=20.1km az=168.0, NEIC 01 22:51:27.9z2.0,55:80N;0:05:158:71W,0:09,h64km,6km, Error ellipse: s-maj=9.5km s-min=5.2km az=136.0, AEIC 01 22:51:28.3z1.8,55:74N;0:05:158:64W,0:09,h47km,6km, Error ellipse: s-maj=8.3km s-min=5.2km az=131.0, ISC 01 22:51:27.4z0.9,55:79N;0:06:158:61W,0:04,h68km,7km, h365,r0997/373,mb4.0/21,Alaska Peninsula

Main station list table with columns: Code, Station Name, Az, Phase, ID, Op, ISC, h, m, s, Res, ISC. Includes stations like CHGN Chignik, S14K Fog Glacier, VNFQ Fog Glacier, CHNA Chernabura Isl, CNBA Chernabura Isl, SDPT Sand Point, ANNE Aniakhak Nort, ANNW Aniakhak Nort, PS1A Pavlof South-1, PS1A Pavlof South-1, PVIY Pavlof Volcano, R16K Pilot Point, R16K Pilot Point, R16K Pilot Point, R16K Pilot Point, PS4A Pavlof South-4, HAG Hague Volcano, S12K Black Hills, S12K Black Hills, S12K Black Hills, S12K Black Hills, PNTA Pavlof North-7, PLK1 Peulik 1, PLK3 Peulik 3, S11 Sitkinak Islan, S11 Sitkinak Islan, FALS False Pass, FALS False Pass, ANCK Angle Creek, ACHA Angle Creek He, KELA Mount Kelaz, Q16K King Salmon, Q16K King Salmon, KCE Katmai Mt Cbr, ISNN Isanotski Nort, ISNN Isanotski Laza, KVTA Katmai Vly 10, KAKN Katmai Knif C, SSSL Shishaldin Sou, P16K Nushagak River, P16K Nushagak River, OHAK Old Harbor, OHAK Old Harbor, O15K Ungalikthiuk R, O15K Ungalikthiuk R, KAHC Katmai Hardscr, KAHC Katmai Hardscr, P17K Kvichak River, P17K Kvichak River, WESE West Dahl East, O14K Tigyukauvet M, O14K Tigyukauvet M, O14K Tigyukauvet M, O14K Tigyukauvet M, O16K Kokwok River B, O16K Kokwok River B, KDAK Kodiak Island

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Main station list table with columns: STA, Name, Az, Phase, ID, Op, ISC, h, m, s, Res, ISC. Includes stations like KDAK Kodiak Island, KDAK Kodiak Island, KDAK Kodiak Island, P18K Big Mountain, P18K Big Mountain, O17K Koliganek Bris, O17K Koliganek Bris, Q19K Cape Douglas, Q19K Cape Douglas, Q20K Shuyak Island, Q20K Shuyak Island, SVI Shuyak Island, SVI Shuyak Island, N14K Kuskokwak Cree, N14K Kuskokwak Cree, O18K Koktuh Hills, O18K Koktuh Hills, N15K Kwethluk River, N15K Kwethluk River, N15K Kwethluk River, N15K Kwethluk River, AUL Augustine Lava, N16K Nishik Lake, N16K Nishik Lake, N17K Nushagak Hills, N17K Nushagak Hills, N17K Nushagak Hills, P19K Oil Pt, P19K Oil Pt, P19K Oil Pt, P19K Oil Pt, M15K Kasigluk River, M15K Kasigluk River, N18K Kliae Creek, N18K Kliae Creek, ILSW Iliamna Southw, IVE Iliamna Volcan, M16K Timber Creek, M16K Timber Creek, M16K Timber Creek, M16K Timber Creek, M16K Timber Creek, M13K Dall Lake, M13K Dall Lake, M14K Bethel, M14K Bethel, M14K Bethel, M14K Bethel, O20K Slope Mountain, O20K Slope Mountain, HOM Homer, HOM Homer, CNPM China Poot, N19K Bonanza Creek, N19K Bonanza Creek, RED Redoubt Volcan, RDWB Redoubt West, RDSD Redoubt South, RDSD Redoubt South, NCT North Crescent, M17K Holitna River, M17K Holitna River, BRL Bradley Lake, DFR Drift River, BRSE Bradley Lake S, BRSE Bradley Lake S, RDT Redoubt, M18K Stony River, M18K Stony River, M18K Stony River, L16K Owhat River, L16K Owhat River, L14K Kuka Creek, L14K Kuka Creek, L15K Ungalak MOUNTA, L15K Ungalak MOUNTA, M11K Mekoryuk, M11K Mekoryuk, L17K Donlin, L17K Donlin, N20K Mount Spurr, SPCR Spurr Chakacha, SPNN North Nagishla, SPNN Crater Peak Br, SLKM Skliak Lake, SPCR Spurr Capps G, M19K Big River Lodg, M19K Big River Lodg, SEW Seward, SEW Seward, L18K Granite Mounta, L18K Granite Mounta, O22K Cooper Landing, K15K Wolf Creek Mou, K15K Wolf Creek Mou, L19K White Mountain, L19K White Mountain, STLK Strandline Lak, M20K Styx River, M20K Styx River, K17K Iditarod, K17K Iditarod, SUA Susitna One, SUA Susitna One, RC01 Rabbit Creek A, RC01 Rabbit Creek A, L20K Farewell, AK, L20K Farewell, AK, SKT Skwentna, SKT Skwentna

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Main station list table with columns: STA, Name, Az, Phase, ID, Op, ISC, h, m, s, Res, ISC. Includes stations like P23K Montague Islan, P23K Montague Islan, J14K Nanvananak Lak, J14K Nanvananak Lak, M22K Willow, J16K Anvik River, J16K Anvik River, PMR Palmer, PMR Palmer, KNK Knik Glacier, KNK Knik Glacier, J18K Innoko River, J18K Innoko River, GHO Glory Hole Cre, HIN Hinchbrook I, GLI Glacier Island, GLI Glacier Island, K20K Teldla, K20K Teldla, SML Sawmill, SML Sawmill, SML Sawmill, SML Sawmill, F17K Unalakleet, F17K Unalakleet, I17K Unalakleet, I17K Unalakleet, EYAK Cordova Ski Ar, EYAK Cordova Ski Ar, CAST Castle Rocks, CAST Castle Rocks, J19K Poorman, J19K Poorman, J19K Poorman, J19K Poorman, SCM Sheep Creek Mo, SCM Sheep Creek Mo, DIV Divide, KAIM Kayak Island, KAIM Kayak Island, WAT7 Susitna Watana, WAT7 Susitna Watana, KTH Kantishna Hill, KTH Kantishna Hill, J20K Nowitna River, J20K Nowitna River, WAT1 Susitna Watana, WAT1 Susitna Watana, WAT1 Susitna Watana, WAT1 Susitna Watana, KLU Klutina, KLU Klutina, GOAT Goat Mountain, TRF Thorofate Moun, WAT6 Susitna Watana, WAT6 Susitna Watana, N16K Nishik Lake, N16K Nishik Lake, BMRM Bremner River, BMRM Bremner River, M24K Tolsona, Glenn, M24K Tolsona, Glenn, GCSA Galena City Sc, GCSA Galena City Sc, H16K Elin, H16K Elin, RND Reindeer, RND Reindeer, BPWF Bear Paw Mtn, BPWF Bear Paw Mtn, H17K Granite Mounta, H17K Granite Mounta, DHY Denali Highway, DHY Denali Highway, N25K Chitina, Valde, N25K Chitina, Valde, KHIT Khitrov Hills, KHIT Khitrov Hills, H18K Honhosa River, H18K Honhosa River, ANM Nome, ANM Nome, ANM Nome, ANM Nome, CRQM Cirque, CRQM Cirque, GLB Gilahina Butte, GLB Gilahina Butte, HARP HAARP, HARP HAARP, VRDI Verde Repeater, VRDI Verde Repeater, G15K Niukluk, G15K Niukluk, G15K Niukluk, G15K Niukluk, WACK Wrangell Chich, WACK Wrangell Chich, WAWW Wrangell South, WAWW Wrangell South, TGL Tana Glacier, TGL Tana Glacier, G17K Kiwialki MOUNTA, G17K Kiwialki MOUNTA, G17K Kiwialki MOUNTA, G17K Kiwialki MOUNTA, G16K Koyuk River, G16K Koyuk River, H19K Roundabout Mou, H19K Roundabout Mou, ISLE Juniper Island, ISLE Juniper Island, MCARA McCarthy VSAT, MCARA McCarthy VSAT, MESA MESA, MESA MESA, MESA MESA, H20K Anotleneega Mo, H20K Anotleneega Mo, BAGL Bagley Icefiel, BAGL Bagley Icefiel, KIAG Kiyaga River, KIAG Kiyaga River, I21K Tanana, I21K Tanana, NEA2 Nenana, NEA2 Nenana, PTPK Patty Peak, PTPK Patty Peak, MLY Manley, MLY Manley, G19K Tegegavik, G19K Tegegavik, GRNC Granite Creek, GRNC Granite Creek, K24K Donnelly Dome, K24K Donnelly Dome, K24K Donnelly Dome, H21K Nelozitna Rive, H21K Nelozitna Rive, TABL Table Mountain, TABL Table Mountain, F15K North Star Di, F15K North Star Di, M26K Nabesna, AK, M26K Nabesna, AK, HDA Harding Lake, HDA Harding Lake, G19K Purcell MOUNTA, G19K Purcell MOUNTA, HADNT HADNT, I23K Minto, Yukon-K, I23K Minto, Yukon-K, CTGM Chitina Glacie, CTGM Chitina Glacie, IMAR Indian Mountain, IMAR Indian Mountain, MDM Murphy Dome, MDM Murphy Dome, LOGN Logan Glacier, LOGN Logan Glacier, RIDG Independent Ri, RIDG Independent Ri, L26K Log Cabin Wild, L26K Log Cabin Wild, ILAR Elision Array, ILAR Elision Array, ILAR Elision Array, ILAR Elision Array, ILAR Elision Array, F17K Baldwin Pennin, F17K Baldwin Pennin, TNA Tin City, TNA Tin City, M27K Tin Creek, AK, M27K Tin Creek, AK, H23K Yukon River, H23K Yukon River, SCRK Sand Creek, SCRK Sand Creek, G21K Allakaket, G21K Allakaket









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Table with columns: ID, Name, Az, El, P, S, M, R, Az, El, P, S, M, R. Includes stations like Bear Paw Mtn, Kuskokwak Cree, Poorman, Novinta River, etc.

Table with columns: ID, Name, Az, El, P, S, M, R, Az, El, P, S, M, R. Includes stations like Joseph Creek, Noodor Dome, Chicken, etc.

Table with columns: ID, Name, Az, El, P, S, M, R, Az, El, P, S, M, R. Includes stations like Te Kaha, Pukettiti, Rukumara Rang, etc.

IDD 02 00:51:52.1, 0.8, 32.78Sx170W, h0km, mb4.3/3, mbtpm4.5/5, ML4.5/2, MS3.4/9, Error ellipse: s-maj=31.8km s-min=22.0km az=104.0

MDD 02 01:05:25.0, 4.0, 2.36E, 48N, 12.98W, h40km, Mb4.9/6m, Mb4.4/66, Error ellipse: s-maj=3.4km s-min=1.1km az=130.0

ISC 02 01:05:18.9,0.4,36.80N,0.02,12.93W,0.02,h10km,n172,  
α250/161.57C,Azores-Cape St. Vincent Ridge

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like Vila Bisbo, Lisboa, Alcochete, Messejana, Castro Verde, Barranco-do-Ve, Vaqueiros, Evora, Montargil, Porto Santo, Estremoz, Casimilho, Conde, Barrancos, Coimbra, Badajoz, Mina Concepcio, Marv???, Madeira, Castelo Branco, Funchal, Porto Moniz, Manteigas, Viseu, Espera, Rabat Centre, Ave, SRHM, ENJF.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like Vila Real, Lamaz de Oio, Sarsar, El Cabril, Ceuta, Smir Dam, Cabril, Zamans, Plasencia, Gavieira, Arco, Moncorvo, Chefchaouen, Mijas, Sidi Chahed, Adamuz, Mazaricos, Braganca, Calabor, Agolada, Sierra Gorda, Ifrane, Tnine Tigoua, San Pablo, LCRM, Tismmit, Palemas, Los Guajares, Tiouine, Granatula de C, Sonseca Array, Ubada, AKL, MD31, GUZM, QUAZ, Pontenova, Midelt, Quesada, Berja, EBER, Mont Gurusu, Universidad C, Fuerteventura, TANTAN, Nijar, Giniginamar, Bajamar, Arriondas, Guia, Gran Can, Guimar, Teneri, Guimar Array, Guimar, Teneri, Los Realejos, Osorio, EBAJ.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like Arif, Puntallana, Zarcadilla, Icod de los Vi, ZGR, Morro de la Ar, Morro de la Ar, Garachico, Buenavista del El Paso, Las Canadas, Guia de Isora, El Paso, Yechar, San Miguel de, La Murta, Lanestosa, Chera, Celadas, Mosqueruela, Figueu, Ste Jean, Horta de San J, Etsaut, Chisagues Biel, Poblet, Esparros, La Frestale, Quistic, Rostrenen, Les Rejaudoux, Calviac, LASF, TLF, La Folimiere, Avril sur Loir, Signal de Mont, Saint Saulge, LOR.

MDD 02 01:07:26.0±1.3,28.31N,16.52W,h8km,9km,mb\_Lg1.2/5,  
Error ellipse: s-maj=7.8km s-min=4.9km az=177.0,

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like Fortaleza, Los, Guimar, Teneri, Las Canadas, Icod de los Vi, Garachico, San Miguel de, Buenavista del, LOR.

ISC 02 01:33:58.7,2.6,36.19N,72.69E,h0km,mb3.6/7,  
mbmp3.6/14,ML3.27,MS3.12, Error ellipse:  
s-maj=5.1,3km s-min=2.1,3km az=139.0,  
NNC 02 01:34:06.3,4.7,36.41N,72.20E,h28km,106km,mb3.8,  
mpv3.8, Error ellipse: s-maj=79.2km s-min=23.4km  
az=154.0

ISC 02 01:34:08.4,1.3,36.55N,01x72.37E,0.09,h63km,n18,  
α1569/22,mb3.4/7,5C-1D,Afghanistan-Tajikistan border  
region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like AAK, AAK, KK31, GEYT, GEYT, MKAR.

Table with columns: Call Sign, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, and other technical details for various radio stations.

ADC 02 01:41:24.5:7.6:68S:127.40E,h414km,73km,mb2.8/2, mbtmpt3.8/5, Error ellipse: s-maj=95.3km s-min=22.7km

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, and other technical details for radio stations in the BANDA SEA region.

TAP 02 01:43:31.9:24.09N:121.68E,h11km,ML2.1,D,Taiwan

Large table listing radio stations in the TAIWAN region, including call signs, names, and coordinates.

JMA 02 01:43:34.6:0.2,24.2N:104.1233E:0.4,h17km,1.1km, MV0.6/7, NEAR ISHIGAKIJIMA ISLAND, Southwestern Ryukyus Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, and other technical details for radio stations in the IRIK region.

IDC 02 01:46:38.8:3.1,5.38S:151.18E,h0km,mb3.3/2, mbtmpt3.3/3,ML2.0/1, Error ellipse: s-maj=139.4km

s-min=38.0km az=123.0, New Britain region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, and other technical details for radio stations in the IRIK region.

BUI 02 01:50:49.6:0.0,20:37S:173.57W,h8km,mb5.4/46, mb5.4/25,Ms4.9/11,Ms7.4/5.9

IDC 02 01:50:50.0:0.4,20:58S:173.99W,h0km,mb4.9/21, mbtmpt4.9/23,ML5.6/2,MS4.0/46, Error ellipse:

s-maj=17.2km s-min=12.9km az=118.0, MOS 02 01:50:50.8:0.9,20:60S:174.00W,h15km,mb5.5/25, Error ellipse: s-maj=9.6km s-min=8.0km az=90.7

NEIC 02 01:50:51.1:2.1,20:64S:173.76W:0.07,h10km,1km, mb5.2/262,Mww5.0/9, Error ellipse: s-maj=11.9km s-min=9.6km az=128.0

NOU 02 01:50:55.2,20:84S:173.65W,h49km,mb5.5/113, Tonga Islands

BGR 02 01:50:55.4,20:59S:173.96W,h33km GCMT 02 01:50:59.1:0.2,20:83S:02:173.61W:0.02,h44km,1km, MV5.0/95, Moment Tensor Solution, s40.05; s95.c123; Duration: 0 Moment tensor: Scale 1016Nm; Mr2.36E15; Mw0.01E12; Mw2.23E11; Mw1.01E10; Mw0.35E09; Mw0.23E11; Best double couple: Mw3.35800E10 16 NP1.9E00000E, 6E8.00000E, 1A.00000E. NP2: 0E1.9E00000E, 3E2.00000E, 1A.105.00000E. Principal axes: T 3.3580, Plg67.0000, Azm258.0000; N 0.0090, Plg6.0000, Azm2.0000; P -3.3590, Plg22.0000; Azm95.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular

ISC 02 01:50:51.4:0.5,20:73S:0104:173.83W:0.05,h14km,3km, h14km:PP-P,n866,+1933/870,mb5.2/208,MS4.1/49, 78C-51D, Tonga Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, and other technical details for radio stations in the IRIK region.

Large table listing radio stations in the IRIK region, including call signs, names, and coordinates.

Table with columns: FAKI, Fak Fak, 55.37 281, P, P, 02 00 24.4 -1.0, 02 00 25.1, etc. Lists various locations and their associated data points.

Table with columns: TPFO, Pinon Flats, 76.86 46, P, P, 02 02 43.6 +0.3, etc. Lists various locations and their associated data points.

Table with columns: BRSE, Bradley Lake S, 82.38 12, P, P, 02 03 12.1 -0.4, etc. Lists various locations and their associated data points.

2d 1h

Table with columns: Station ID, Name, Altitude, Frequency, Mode, Power, Status, etc. Includes stations like BNX, PNL, CRQE, CUT, KLU, etc.

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Table with columns: Station ID, Name, Altitude, Frequency, Mode, Power, Status, etc. Includes stations like F15K, P32M, PDAR, YUK4, G17K, etc.

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Table with columns: Station ID, Name, Altitude, Frequency, Mode, Power, Status, etc. Includes stations like POKR, POKR, E17K, K27K, H22K, etc.

Table with columns: Station, Time, Azimuth, Elevation, Frequency, Modulation, and other technical details. Includes stations like BMAR, G27K, RSSD, D22K, etc.

Table with columns: Station, Time, Azimuth, Elevation, Frequency, Modulation, and other technical details. Includes stations like ULN, A36M, LPAZ, etc.

Table with columns: Station, Time, Azimuth, Elevation, Frequency, Modulation, and other technical details. Includes stations like CLL, BURAR, GTTG, etc.

2d 2h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like CKRC, CMMAI, GEC2, etc.

IDC 02:07:01.8, 2.7, 5.45S-151.72E, h0km, mb3.5/3, mtbmp3.7/M, L3.91, Error ellipse: s-maj=204.9km s-min=26.0km az=127.0, New Britain region

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

IDC 02:07:04.2, 1.5, 5.87S-142.12E, h0km, mb3.5/1, mtbmp3.4/3, ML3.1/2, Error ellipse: s-maj=274.2km s-min=35.6km az=115.0, New Guinea

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

NAO 02:02:30.25, 0.1, 9.79, 47N-3.08E, ML3.0
DNK 02:02:30.26, 5.9, 79.43N-3.45E, h2hkm, mb1km, ML3.1
BER 02:02:30.27, 4.2, 9.79, 48N-3.15E, h10km, mb(Pn)3.8, ML3.0(NAO), Confirmed Earthquake

FCIAR 02:02:30.0, 7.9, 19N-3.99E, h10km, station OMEGA has station magnitude of 3.60

IDC 02:02:30.31, 4.8, 79.67N-5.43E, h0km, mb3.4/1, mtbmp3.6/4, ML2.8/2, MS3.7/1, Error ellipse: s-maj=53.6km s-min=40.9km az=57.0

KOLA 02:02:30.31, 5, 79.89N-7.51E, h0km, ML2.2, Error ellipse: s-maj=70.0km s-min=26.6km az=50.0, Greenland sea

ISC 02:02:30.24, 0.9, 79.55N-0.07, 2.98E-0.04, h10km, n44, c=295/65, 1C, Greenland Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KBS, BRBB, MKR, etc.

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Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like BRBB, BRBA, SPA0, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like SPA0, SPITS, SPITS, etc.

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like HSPB, NOR, NOR, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like HSPB, DBG, DBG, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like OMEGA, OMEGA, NEEM, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like NEEM, NEEM, KEV, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like ARAO, ARAO, ARCES, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like SUMG, SUMG, KULLO, etc.

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

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

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like SGSI, SGSI, GTOI, etc.

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like TOLJ, TOLJ, LUWI, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MRSI, MRSI, SANI, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like FITZ, FITZ, COEN, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KURRB, KURK, LBZ, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like H19K, H19K, B21K, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like C23K, C23K, ILAR, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like CRYA, CRYA, PLM, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like DNR, DNR, FRD, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like FRD, FRD, POB, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like BACC, BACC, DGR, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like HMTG, HMTG, PFO, etc.

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MATG, MATG, XPFO, etc.

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MURC, MURC, PMD, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like BORC, BORC, JUEM, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like JUEM, JUEM, BBSC, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like GORC, GORC, DEVC, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like DEVC, DEVC, PEC, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like DOS, DOS, ELS, etc.









2018 APR

Table with columns: Station, Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like KST, BLB, DGS, ARLS, etc.

Table with columns: Station, Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like KURBB, KURBK, KURBK, etc.

Table with columns: Station, Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like MJAR, MAJO, MAJO, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like PDGK, KURBB, KURBB, LEM, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like NWA0, YKA, YKA, ARCES, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like mbtmp, SJA, Cerro Villucun, etc.

TEH 02 05:46:21.2, 34.43N,-45.79E, h10km, 88km, ML2.6  
ISN 02 05:46:23.0, 0.6, 34.43N,-45.82E, h33km, 3km, ML2.6  
ISC 02 05:46:22.0, 1.1, 34.42N,-0.06,-45.80E, 0.04, h8km, 10km,  
n10, +076/16, Iran-Raft border region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, Op, h, m, s, ISC, P, Pn, S, etc. Includes stations like KGSI, IDHR, IGHG, ILBA, etc.

NOU 02 05:57:24.4, 24.55S,-177.18W, h0km, ML6.3/74, South of Fiji Islands

NEIC 02 05:57:31.8, 24.90S:-176.61W, h84km  
BUJ 02 05:57:31.1, 0.0, 24.83S:-176.73W, h90km, mb5.6/80,  
mb6.2/76, Ms5.6/91, Ms7.5/85

IPGP 02 05:57:31.0, 24.90S:-176.61W, h94km, Mw6.2 Fault plane solution:  
NP1: 352.000000, 366.000000, -1.41, 0.000000  
NP2: 314.000000, 340.000000, -1.41, 0.000000  
MOS 02 05:57:32.6, 0.0, 24.68S:-177.10W, h80km, mb6.2/34,  
MS5.4/21, Error ellipse: s-maj=8.8km s-min=7.0km  
az=108

IDC 02 05:57:33.7-1.3, 24.66S:-177.10W, h80km, 11km, mb5.3/28,  
mbmp5.6/30, MS5.3/56, Error ellipse: s-maj=12.0km  
s-min=9.6km az=99.0

NEIC 02 05:57:35.7, 24.63S:-176.80W, h90km

NEIC 02 05:57:35.7, 2.2, 24.72S:-176.89W:0.08, h92km, 1km,  
mb5.8/545, Mw6.2/51, Mw6.1/48, Error ellipse:  
s-maj=12.8km s-min=10.3km az=98.0, Moment Tensor Solution:  
Moment tensor: Scale 10^18Nm; Mrr=1.77;  
Mth=0.47; Mtt=1.31; Mtr=0.45; Mtr=1.09; Mtr=1.29; Fault  
plane solution: M2.360000\*1018 NP1: 351.190000;  
362.140000; -1.61, 950000; NP2: 312.430000; 338.720000;  
-1.31, 650000; Principal axes: T 2.2376, P1g37.000000;  
Azp61.000000; N 0.2320, P1g25.000000, Azm157.000000;  
-2.4696, P1g62.000000, Azm306.000000;

NEIC 02 05:57:35.7, 24.53S:-176.58W, h90km, Moment Tensor Solution:  
Duration: 5/8 Moment tensor: Scale 10^18Nm;  
Mrr=0.98; Mth=0.35; Mtt=0.64; Mtr=1.07; Mtr=1.32;  
Fault plane solution: M1.990000\*1018 NP1:  
351.350000; 371.220000; -1.54, 080000; NP2:  
3105.310000; 339.940000; -1.49, 900000; Principal axes:  
T 2.0027, P1g 18.000000; Azm55.000000; N -0.0164,  
P1g34.000000; Azm158.000000; P -1.9862, P1g50.000000;  
Azm302.000000

GCMT 02 05:57:39.7-0.0, 24.73S:-176.75W, h93km, Mw6.2/172,  
Moment Tensor Solution. s172.c421; s167.c601;  
Duration: 3/0 Moment tensor: Scale 10^18Nm;  
Mrr=1.25+-0.1; Mth=0.15+-0.1; Mtt=1.10+-0.1; Mtr=0.21+-0.1;  
Mtr=1.32+-0.1; Mtr=1.32+-0.1; Best double couple:  
M2.238000\*1018 NP1: 353.000000; 368.000000;  
-1.56, 000000; NP2: 311.000000; 339.000000;  
-1.45, 000000; Principal axes: T 2.3290, P1g17.000000;  
Azm80.000000; N -0.1760, P1g31.000000; Azm161.000000;  
P -2.1490, P1g54.000000; Azm306.000000; nsta1 refers to  
body waves, cutoff=40s, nsta2 refers to surface/mantle  
waves, cutoff=50s. Triangular moment-rate function

ISC 02 05:57:34.6-0.2, 24.79S:-176.96W, 0.04, h91km, 1km,  
h92km: p-P, n1946, e1979/2287, mb5.8/398, 84C-157D,  
South of Fiji Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, Op, h, m, s, ISC, P, Pn, S, etc. Includes stations like RIZ, RAO, AFI, etc.

Main table with columns: RAGZ, TARZ, HLRZ, RIGZ, RIRZ, etc. Includes station names like Mount Tarawera, Highlands State, Rimuha, etc.

Table with columns: QLP, QLP, RABL, MTSU, STKA, etc. Includes station names like Quipie, Rabaul, Mount Surprise, etc.



2d 5h

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Table with columns for station code, name, frequency, and other details. Includes stations like SSE, S12K, MURC, etc.

Table with columns for station code, name, frequency, and other details. Includes stations like KXSB, GLA, ELIB, etc.

Table with columns for station code, name, frequency, and other details. Includes stations like QIZ, RYN, NVAR, etc.



Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like N14K Kuskokwak Cree, P17K Kivach River, and many others.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like GULI comp=Z,2um,22.8s, G05A Wamic, M15K Kasigluk River, and many others.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like SVW2 Sparrevohn, M17K Holitna River, M17K Holitna River, and many others.





Table with columns for station ID (e.g., E19K, RDOG), name, frequency, power, antenna, and various performance metrics.

Table with columns for station ID (e.g., J29N, GO02, KSCO), name, frequency, power, antenna, and various performance metrics.

Table with columns for station ID (e.g., H29M, H29M), name, frequency, power, antenna, and various performance metrics.

Table with columns: YAK, comp, pmax, pmax, MAND, Maddock, 100.03, 42, Pdif, Pdif, 06 11 09.0, -0.6, TDK, Taldygorghan, 117.17, 310, ePKP, PKPpdf, 06 16 08.5, -0.6

Table with columns: MAND, Maddock, 100.03, 42, Pdif, Pdif, 06 11 09.0, -0.6, TDK, Taldygorghan, 117.17, 310, ePKP, PKPpdf, 06 16 08.5, -0.6

Table with columns: TDK, Taldygorghan, 117.17, 310, ePKP, PKPpdf, 06 16 08.5, -0.6

Table with multiple columns containing names, dates, times, and various codes. The table is organized into sections, with names like ARU, MHTO, BJO1, DQM, JMDO, AB31, ASKAR, BIDO, BSY, JASK, HQQ, SHAO, AKTO, AKTO, WIN, DMITO, ARO, SOHO, SOHO, GEYT, RBK, MDH, UOSS, UOSS, UOSS, SCO, SCO, HATD, HATD, VADS, VADS, VADS, ASHO, ASHO, MSFE, MASF, ALNE, ALNE, DOK, WHFO, UMZA, NAZ, NAZ, NAZ, HAMF, HAMF, ABTO, ASUD, ASUD, KEV, KEV, KIRV, KIRV, LSZ, ARAO, ARAO, ARAO, ARAO, ARCES, ARCES, ARCES, APA, APA, APA, APA, JETT, JETT, KTK1, KTK1, KTK1, TRO, TRO, GHWR, SLWR, KLMR, LOF, LOF, STEI, STEI, STEI, TRNA, BELG, BELG, BELG, KIBK, KIBK, KIBK, FAUS, FAUS, SHMA, JOF, STOK, STOK, STOK, MOR8, MOR8, VALR, MAK, MAK, MAK, MAK, MAK, MAK.

Table with columns: Call sign, Name, Frequency, Mode, and various status/offset indicators. Includes stations like MILM, HMQ, WIM, LVV, ROSA, RCY, GDL, etc.

Table with columns: Call sign, Name, Frequency, Mode, and various status/offset indicators. Includes stations like LANS, LANS, LANS, KRLC, etc.

Table with columns: Call sign, Name, Frequency, Mode, and various status/offset indicators. Includes stations like CKRC, CKRC, CKRC, BMRD, etc.

Table of station data for the 2d 6h period, including columns for station name, coordinates, and various parameters.

Table of station data for the 2d 6h period, continuing from the previous table.

Main table of station data for the 2018 APR period, containing multiple columns of station information.

Table of station data for the 2018 APR period, continuing from the previous table.

Main table of station data for the 2018 APR period, continuing from the previous table.

Table of station data for the 2018 APR period, continuing from the previous table.



Table with 5 columns: JOB, Onbets, 3.54 249 eP, Pn, 06 46 03.1 +1.4

NNC 02 06:55:53.2, 3.54, 52N:87.02E, h9km, mb2.9, mpv2.5, Error ellipse: s-maj=33.8km s-min=25.0km

ISC 02 06:55:56.0, 2.7, 54.26N:86.91E, h0km, mbmp2.9/2, ML2.0/2, Error ellipse: s-maj=22.7km s-min=14.5km

ISC 02 06:55:57.1, 4.5, 54.3N:02.868E:0.2, h0km, n9, c1954/15, 11C-3D, Southwestern Siberia

Main station list table for the first section, including stations like ZALESOVO INFRA, Zalesovo Array, ZAAO, ZALV, etc.

IDC 02 06:59:00.5, 2.7, 53.56N:87.84E, h0km, mbmp3.0/2, ML2.0/2, Error ellipse: s-maj=22.9km s-min=15.4km

NNC 02 06:59:01.6, 2.0, 53.42N:87.72E, h0km, mb2.9, mpv2.5, Error ellipse: s-maj=17.7km s-min=7.2km az=74.0, Suspected Mining explosion

ISC 02 06:59:01.6, 3.5, 53.5N:01.877E:0.2, h0km, n9, c0977/15, 6C-8D, Southwestern Siberia

Main station list table for the second section, including stations like ZALESOVO INFRA, Zalesovo Array, ZAAO, ZALV, etc.

TAP 02 07:06:02.5, 23.73N:122.57E, h42km, ML2.9, D JMA 02 07:06:02.1, 0.2, 23.7N:0.9:122.6E:0.6, h40km, MV2.3/11, NEAR ISHIGAKI/JIMA ISLAND

ISC 02 07:05:59.1, 1.2, 23.68N:0.02:122.58E:0.02, h11km, s9km, n70, c0977/120, Taiwan region

Main station list table for the third section, including stations like E0S4, E0S4, E0S4, E0S3, etc.

Main station list table for the middle section, including stations like ETM, EGFH, ESL, ESL, EWUT, EWUT, ENA, ENA, ENA, etc.

Main station list table for the top right section, including stations like JISG, JISG, WCKO, WCKO, TPUB, TPUB, TPUB, etc.

ISC 02 07:08:32.0, 1.0, 35.18N:45.96E, h20km, 7km, ML2.8 TEH 02 07:08:39.2, 35.19N:45.83E, h10km, 990km, ML2.8

ISC 02 07:08:42.4, 2.2, 34.3N:01.45:87E:0.10, h10km, n7, c2823/G, Iran-Iraq border region

Main station list table for the middle right section, including stations like KGS1, KGS1, OHDR, OHDR, GHG, GHG, etc.

OSPL 02 07:09:58.8, 2.1, 20.17N:70.82W, h0km, 11km, ML2.1 SDD 02 07:10:00.4, 2.2, 16N:70.78W, h31km, 18km, MD3.5, ML2.4, MW3.3

ISC 02 07:09:59.5, 1.4, 20.15N:0.03:70.75W:0.04, h23km, 16km, n19, c1931/30, 13C-4D, Dominican Republic region

Main station list table for the bottom right section, including stations like SODR, SODR, SODR, MADR, MADR, MADR, etc.

IDC 02 07:13:12.3, 3.6, 21.14S:177.85W, h0km, mb3.4/3, mbmp3.4/3, Error ellipse: s-maj=37.5km s-min=36.2km az=162.0, Fiji Islands region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like ZALESOVO INFRA, ZALV Zalesovo Beam, KURBB Kurchatov Arra, etc.

NEIC 02 07:26:43.8-0.8, 19.21'N-0.02:155.52'W-0.02, h14km, 3km, Error ellipse: s-maj=3.3km s-min=2.1km az=131.0

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like HTC North Caves, HPO Honuapo, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like KKO Keanakakoi, KKO Keanakakoi, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like NPH North Pit, OBL Observatory Le, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like BYL Byron's Lodge, MLH Mauna Loa, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like SBLHI Steaming Bluff, HATH Halema'uma'u T, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like RSD Rained, MLOA Mauna Loa Obs, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like KNHH Kane Nui o Ham, ALEP Alea Permanent, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like NPOC North of Pu'u, NPOC North of Pu'u, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like JCUZ Jacuzzi, CPH Captain Cook, etc.

NNC 02 07:34:57.9-2.5, 53.46'N-87.77'E, h0km, mb2.7, mpv2.4, Error ellipse: s-maj=20.0km s-min=10.0km az=64.0

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like ZAAO Zalesovo Array, ZAAO Zalesovo Array, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like KURBB Kurchatov Arra, MK31 Makanchi Array, etc.

ISC 02 07:40:17.9-1.7, 54.67'N-83.79'E, h0km, mbtmp2.8/3, ML2.3/3, Error ellipse: s-maj=15.2km s-min=10.2km

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, MKAR Makanchi Array, etc.

ISC 02 07:53:43.4-3.3, 5.58'N-125.84'E, h0km, mb3.3/3, mbtmp3.3/3, Error ellipse: s-maj=324.0km

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

ISC 02 07:54:18.1-1.0, 2.91'N-31.28'W, h0km, mb3.9/6, mbtmp3.9/6, Error ellipse: s-maj=36.4km s-min=24.6km

NEIC 02 07:54:20.9-1.3, 2.6'N-0.1-31.18'W-0.07, h10km, 1km, mb4.6/27, Error ellipse: s-maj=25.2km s-min=4.2km

ISC 02 07:54:20.2-0.7, 2.7'N-0.1-31.2'W-0.1, h10km, n41, 0584/34, mb4.5/20, Central Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like RCB Riachuelo, H10N3 ASCENSION HYDR19.62, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like H10N1 ASCENSION HYDR19.69, H10S2 ASCENSION HYDR20.15, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like BOAV Boa Vista, H0SS1 Guadeloupe/Mar, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like SAML Samuel, TOAO Torodi Arr. Sit, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like ETMB Extrema, BAUV El Baul, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like CPUP Villa Florida, SDV Santo Domingo, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like LPAZ La Paz, LPB1 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like DJA 02 07:58:50.8-2.2, 5.5'N-7.14'E-2.1, h70km, 11km, M4.7/6, etc.

ISC 02 07:58:55.7-0.4, 4.69'S-0.05-142.27'E-0.06, h105km, n149, 0599/140, mb4.5/61, 1C, New Guinea

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like JAY Jayapura, GENI Geniem, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, WRB Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like SOEI Soe, SOEI Soe, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like EDFI Ende Flores, EDFI Ende Flores, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like EIDS Eidsvold, OOD Oodnadatta, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like JMN Mnoche, MJAR Matsushiro Arr, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like NJ2 Nanjing, NJ2 Nanjing, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like KSR5 Korea Array, KSR5 Korea Array, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like RTZ Rustanua, RTZ Ussuriysk Arr, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like XAN Xi'an, XAN Xi'an, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like CD2 Chengdu, CD2 Chengdu, etc.



Table with columns: EIDS, Station Name, Time, Res, etc. Includes stations like Honiara, Charters Tower, Stephens Creek, etc.

Table with columns: ZALV, KURBB, MKAR, etc. Includes stations like Zalesovo Beam, Kurchatov Arra, Makanchi Array, etc.

ADC 02 08:30:20.6: 1.0:5:88S:143.04E, h0km, mb3.9/5, mbtm3.9/7, ML 1.6/1, Error ellipse: s-maj=41.0km

ISC 02 08:30:25.7: 0.9:6:05O:142.9E:0.1, h35km, n8, c1940/9, mb3.9/5, New Guinea

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like Port Moresby, WRA, ASAR, etc.

ADC 02 08:38:10.5: 1.0:31:45N:140.04E, h0km, mb3.7/5, mbtm3.7/6, ML3.0/1, MS3.4/3, Error ellipse: s-maj=28.5km

ISC 02 08:38:13.9: 0.8:31:18N:140.10E:0.2, h35km, n23, c238/11, mb3.7/5, Southeast of Honshu

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like HJH, JCJ, MJAR, etc.

ADC 02 08:45:29.4: 1.1: 59:80N:153.50W, h132km, 15km, mb3.6/11, mbtm3.9/15, Error ellipse: s-maj=21.4km

NEIC 02 08:45:30.6: 1.1: 59:84N:153.52W:0.02, h141km, 4km, Error ellipse: s-maj=5.5km s-min=1.6km az=184.0

AEIC 02 08:45:31.5: 1.5: 59:83N:153.52W:0.07, h138km, 4km, ML3.7, mb4.1/2(NEIC), ML3.8/170(NEIC), Error ellipse: s-maj=5.5km s-min=5.2km az=158.0

ISC 02 08:45:30.5: 0.6: 59:85N:153.53W:0.04, h141km, 5km, n477, c099/496, mb4.0/11, Southern Alaska

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like ILSW, P19K, etc.

NEIC 02 08:38:48.3: 1.1: 19:2N:01:64:98W:0.09, h35km, 2km, ML2.3/16, MD3.4/6(RSPR), Error ellipse: s-maj=27.1km s-min=3.1km az=148.0

RSPR 02 08:38:49.4: 19:17N:64:98W, h50km, 18km, MD3.4/6

ISC 02 08:38:49.2: 2.1: 19:1N:02:65:07W:0.05, h25km, n25, c058/33, 8C, Puerto Rico region

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like Col San Antoni, HUMP, etc.

Table with columns: MLPR, CRPR, ANBD, etc. Includes stations like Cabo Rojo, Bethesda, etc.

CATAC 02 08:44:42.1: 0.5: 8:55N:83.35W, h5km, 2km, ML2.6

UPA 02 08:44:45.1: 1.6: 8:67N:83:17W, h8km, 22km, ML3.5

ISC 02 08:44:39.1: 1.7: 8:42N:0:07:83:42W:0.04, h10km, 10km, n20, c081/36, Costa Rica

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like Los Planes de, CDITO, etc.

ADC 02 08:45:29.4: 1.1: 59:80N:153.50W, h132km, 15km, mb3.6/11, mbtm3.9/15, Error ellipse: s-maj=21.4km

NEIC 02 08:45:30.6: 1.1: 59:84N:153.52W:0.02, h141km, 4km, Error ellipse: s-maj=5.5km s-min=1.6km az=184.0

AEIC 02 08:45:31.5: 1.5: 59:83N:153.52W:0.07, h138km, 4km, ML3.7, mb4.1/2(NEIC), ML3.8/170(NEIC), Error ellipse: s-maj=5.5km s-min=5.2km az=158.0

ISC 02 08:45:30.5: 0.6: 59:85N:153.53W:0.04, h141km, 5km, n477, c099/496, mb4.0/11, Southern Alaska

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like ILSW, P19K, etc.

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Table with columns for station ID, name, date, time, elevation, and wind speed/direction. Rows include stations like P18K, N19K, BRSE, KAHC, CAPN, SVW2, P17K, SLKM, KAKN, KCE, KELA, ACHA, Q22K, ANCK, N17K, SEW, M18K, Q16K, M20K, FIS, SUA, KDAK, K17K, RC01, SKT, SKW, O16K, L19K, M17K, OHAK, M22K, PMR, M24K, CHIR, J19K, J19K, M14K, M14K, DHY, DHY, DHY, DHY, J20K, J20K, J20K, L15K, L15K, GOAT, GOAT, BPWA, BPWA, BPWA, CHGN, CHGN, CHGN, CHGN, MCK, MCK, BMRM, BMRM, KAIM, KAIM, HMT, K15K, K15K, N25K, N25K, BWN, BWN, BWN, HARP, HARP, HARP, NCHA, NCHA, L14K, L14K, S14K, VNFQ, VNFQ, VNFQ, SUCK, SUCK, J16K, J16K, BERG, WACK, PAX, PAX, WASW, I20K, I20K, I20K, I20K, GLB, GRIN, VEDI, VEDI, VEDI, NEA2, NEA2, NEA2, CROM, CROM, WRH, WRH, I17K, I17K, WAX, TGL, MCARA, MCARA, MLY, MLY, MLY, K24K, K24K, CCB, HDA, HDA, ISLE, PTPK, KIAG, MENT, MENT, RIDG, RIDG, I23K, I23K, M26K, M26K.

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Table with columns: MDM, COLA, J14K, BAGL, MESA, L26K, H18K, IL31, ILAR, ILAR, H21K, H19K, GRNC, SDPT, SDPT, H17K, BARN, POKR, POKR, J25K, J25K, SCRK, SCRK, CTG, CTG, H22K, H22K, IMAR, TABL, S12K, S12K, LOGN, H23K, H23K, H16K, H16K, SAMH, PNTA, PS4A, L27K, L27K, HAG, BCAR, YUK2, G18K, G18K, H24K, H24K, G19K, G19K, J26L, J26L, BVCY, BVCY, YUK3, YUK3, O28M, O28M, G21K, G21K, PRP, PRP, K27K, K27K, G16K, G16K, BCPM, YK2U, YK2U, G23K, G23K, PNL, PNL, PNL, G15K, G15K, I26K, F19K, F19K, F20K, F20K, H25L, H25L, ANM, F18K, F18K, FALS, FALS, G24K, G24K, F21K, F21K, O29M, F17K, F17K, COLD, COLD, EGAK, EGAK, ISLZ, G25K, G25K, FYU, M29M, M29M, F15K, F15K, E19K, E19K, DAWY, DAWY, I27K, I27K, P29M, P29M, HYT

Table with columns: L29M, L29M, F24K, F24K, F14K, F14K, N30M, N30M, E18K, G26K, G26K, E22K, I28M, I28M, H27K, H27K, J29N, J29N, M30M, M30M, F25K, F25K, K29M, BMAR, PLBC, PLBC, O30N, O30N, G27K, G27K, N31M, D19K, E25K, E25K, TOLK, TOLK, D22K, SKAG, SKAG, RDOG, WMY, H29M, UNV, C18K, I30M, I30M, M31M, D24K, C19K, F28M, SIT, SIT, G16K, G16K, JIS, P32M, P32M, D25K, EPYK, FARO, C23K, N32M, P33M, B20K, G30M, B22K, H31M, Q32M, E29M, G31M, R33M, U33K, S34M, CRAC, CRAC, DLBC, DLBC, DLBC, INK, INK, INK, INK, ADM, C36M, C36M, A36M, A36M, YKA, YKA, PETK, PETK, SPITS, SPITS, ARCES, ARCES, KSRS, KSRS, SONM, ZALV, ZALV, FINES, FINES, BVAR, BVAR, KURBB, KURBB, MKAR, MKAR, AKTO, AKTO, GSPA, GSPA

Table with columns: OKTU, CLCO, CLCO, OKNG, OKNG, CLES, CLES, MAPS, MAPS, MGOD, MGOD, MSW, MSW, MNAT, MNAT, UNV, UNV, UNV, UNV, AKRB, AKRB, LVA, LVA, AKBA, AKBA, AHB, AHB, AKUT, AKUT, AKUT, AKUT, AKSA, AKSA, WECS, WECS, SSSL, SSSL, KOKF, KOKF, KOKL, KOKL, ATKA, ATKA, ATKA, ATKA, ISLZ, ISLZ, FALS, FALS, SPJA, SPJA, SPJA, SPJA, GSTR, GSTR, GSCK, GSCK, S12K, S12K, ADK, ADK, ADK, ADK, ADK, ADK, KIWB, KIWB, SDPT, SDPT, TASE, TASE, O14K, O14K, M13K, M13K, N15K, N15K, M14K, M14K, O16K, O16K, L14K, L14K, SII, SII, SII, SII, N17K, N17K, P18K, P18K, L16K, L16K, K15K, K15K, O18K, O18K, KDAK, KDAK, KDAK, KDAK, M17K, M17K, O19K, O19K, SVW2, SVW2, RSO, RSO, ANM, ANM, TTA, TTA, PKR, PKR, SMT, SMT, CAJ, CAJ, CAST, CAST, SML, SML, KTH, KTH, BPAP, BPAP, SCM, SCM, H21K, H21K, E18K, E18K, F20K, F20K, E19K, E19K, I23K, I23K, MDM, MDM, VRDI, VRDI, COLA, COLA, TGL, TGL, F21K, F21K, MCARA, MCARA, ILAR, ILAR, RIDG, RIDG, RIDG, RIDG, GRNC, GRNC, M26K, M26K, G23K, G23K, H24K, H24K, J25K, J25K, BARN, BARN, BARN, BARN, C19K, C19K, CTGM, CTGM, LOGN, LOGN, LOGN, LOGN, M27K, M27K, J26L, J26L, I26K, I26K, O29M, O29M, P29M, P29M, EGAK, EGAK, EGAK, EGAK, M29M, M29M, DAWY, DAWY, B22K, B22K, C23K, C23K, L29M, L29M, J29N, J29N, K29M, K29M

IDC 02 09:05:16.3+4.3,53:13N:168:87W,h50km,37km,mb3.7/12, s-maj=0.15,ML=3.3,M3=4.5,Er=ellipse: s-maj=24.7km s-min=17.4km az=4.0 AEIC 02 09:05:17.9+2.3,52:68N:0:07:168:45W:0:08,h25km,6km, Er=ellipse: s-maj=10.9km s-min=5.8km az=159.0 NEIC 02 09:05:18.4+2.4,52:8N:0:1:168:55W:0:09,h50km,9km, mb3.9/90,ML4.1/10,ML4.0(AEIC),Er=ellipse: s-maj=15.8km s-min=5.9km az=159.0 ISC 02 09:05:18.0+0.9,52:84N:0:10:168:64W:0:05,h63km,7km, n159,s1946/119,mb4.0/21,Fox Islands

Table with columns: ID, Name, Time, Res, etc. Includes entries like D25K Kavik River, WHY Whitehorse, E27K Coleen River, etc.

Table with columns: ID, Name, Time, Res, etc. Includes entries like CO02 Combarbal, CO02 Combarbal, CO02 Combarbal, etc.

Table with columns: ID, Name, Time, Res, etc. Includes entries like H03N3 Juan Fernandez, PLCA Paso Flores, CPUP Villa Florida, etc.

Table with columns: Code, Station Name, Time, Res, etc. Includes TRN 02:09:20:47.8, 13:19N, 58:96W, h71km, MD3.5, East of Barbados, North Atlantic Ocean.

Table with columns: Code, Station Name, Time, Res, etc. Includes AC02 Maricunga, AC06 Mina Casimiro, AC06 Mina Casimiro, etc.

Table with columns: Code, Station Name, Time, Res, etc. Includes LK02 Drossia, DRO Drossia, DRO Drossia, etc.

Table with columns: Station, Frequency, Power, and other parameters. Includes stations like LK2D, GUR, THAL, EVGI, etc.

Table with columns: Station, Frequency, Power, and other parameters. Includes stations like SRN, KRND, KRND, etc.

Table with columns: Station, Frequency, Power, and other parameters. Includes stations like BLY, A050A, VOIR, etc.

BGR 02 09:45:53.7 32°30'N,29°05'E,h33km,mb4.1
AFAD 02 09:46:00.0 35°48'N,26°34'E,h5km,3km,MW4.1
MOS 02 09:46:31.4 1.4,35°34'N,26°52'E,h22km,mb4.1/6, Error ellipse: s-maj=6.6km s-min=3.7km az=93.8

Table with columns: Code, Station Name, Az, Az2, Op, P, Res, Time, Res. Includes stations like ZKR, KARP, etc.









Table with columns: ID, Name, Value, Status, Date, Value, Status, Date, Value, Status, Date. Includes entries like P18K Big Mountain, P18K comp=N,161nm,0.4s, P18K Big Mountain, P18K Redoubt South, etc.

Table with columns: ID, Name, Value, Status, Date, Value, Status, Date, Value, Status, Date. Includes entries like M19K Big River Lodg, WAT6 Susitna Watana, WAT6 Susitna Watana, M18K Stony River, etc.

Table with columns: ID, Name, Value, Status, Date, Value, Status, Date, Value, Status, Date. Includes entries like J20K Nowinta River, CCB Clear Creek Bu, J19K Poorman, J19K Poorman, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Songino Array, Hu-ho-hao, FINESS Array B, etc.

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like OKCSW OKLAHOMA CITY, Franklin, Liberty Lake, etc.

IDC 02 10:16:27.8.9.0.559S:151.27E,h99km,mb3.6/2, mbtpm3.9/3,ML1.9/1, Error ellipse: s-maj=124.0km

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Port Moresby, Warramunga Arr, ASAR Alice Springs, etc.

IDC 02 10:17:52.5.0.3.50 N2.2E x 8.8E, h10km, MLh3.4/8, Error ellipse: s-maj=3.4km s-min=3.1km az=23.0, confirmed

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HNR Honiara, MK31 Makanchi Array, MKAR Makanchi Array, etc.

Code Station Name Azimuth Phase ID Time Res. Includes stations like ELIS Ellis County, OK032 Salt Plains WL, GC02 Grant County #, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like X37A Clayton, FW06 Azle, RLO Rose Lookout, etc.

ASRS 02 10:17:52.5.0.3.50 N2.2E x 8.8E, h10km, MLh3.4/8, Error ellipse: s-maj=3.4km s-min=3.1km az=23.0, confirmed

NCC 02 10:17:52.5.0.3.50 N2.2E x 8.8E, h10km, MLh3.4/8, Error ellipse: s-maj=3.4km s-min=3.1km az=23.0, confirmed

ISC 02 10:17:52.5.0.3.50 N2.2E x 8.8E, h10km, MLh3.4/8, Error ellipse: s-maj=3.4km s-min=3.1km az=23.0, confirmed

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AKAR Aktash, CHBI Chibit, Chagan-Uzun, etc.

IDC 02 10:17:52.5.0.3.50 N2.2E x 8.8E, h10km, MLh3.4/8, Error ellipse: s-maj=3.4km s-min=3.1km az=23.0, confirmed

NCC 02 10:17:52.5.0.3.50 N2.2E x 8.8E, h10km, MLh3.4/8, Error ellipse: s-maj=3.4km s-min=3.1km az=23.0, confirmed

ISC 02 10:17:52.5.0.3.50 N2.2E x 8.8E, h10km, MLh3.4/8, Error ellipse: s-maj=3.4km s-min=3.1km az=23.0, confirmed

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KURK Kurchatov, CH2 Magadan, CHAG Chuyangaron, etc.

IDC 02 10:17:52.5.0.3.50 N2.2E x 8.8E, h10km, MLh3.4/8, Error ellipse: s-maj=3.4km s-min=3.1km az=23.0, confirmed

NCC 02 10:17:52.5.0.3.50 N2.2E x 8.8E, h10km, MLh3.4/8, Error ellipse: s-maj=3.4km s-min=3.1km az=23.0, confirmed

ISC 02 10:17:52.5.0.3.50 N2.2E x 8.8E, h10km, MLh3.4/8, Error ellipse: s-maj=3.4km s-min=3.1km az=23.0, confirmed

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like X37A Clayton, FW06 Azle, RLO Rose Lookout, etc.

IDC 02 10:17:18.1-0.7.12.71N:121.20E,h0km,mb4.0/17, mbtpm4.0/17,MS3.6/42, Error ellipse: s-maj=32.3km

NEIC 02 10:17:23.41.5.12.74N:0.05:121.2E:0.2,h26km,6km, mb4.5/27, Error ellipse: s-maj=21.8km s-min=7.2km

ISC 02 10:17:22.3.0.5.12.74N:0.07:121.2E:0.1,h25km,n74, c685/43,mb4.4/30,MS3.7/41

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TGy Tagaytay City, YULB Yu-li, JOW Kunigami, etc.

IDC 02 10:17:18.1-0.7.12.71N:121.20E,h0km,mb4.0/17, mbtpm4.0/17,MS3.6/42, Error ellipse: s-maj=32.3km

NEIC 02 10:17:23.41.5.12.74N:0.05:121.2E:0.2,h26km,6km, mb4.5/27, Error ellipse: s-maj=21.8km s-min=7.2km

ISC 02 10:17:22.3.0.5.12.74N:0.07:121.2E:0.1,h25km,n74, c685/43,mb4.4/30,MS3.7/41

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AKASE Malin Array B, INK Inuvik, MLR Mount Meron Ar, etc.

IDC 02 11:06:48.0.0.1.42.87N:72.41E,h17km,mb2.3 SOME 02 11:06:48.5.42.87N:72.42E,h15km

KNET 02 11:06:50.4.0.5.42.86N:72.54E,h14km,2km,ml1.9, Error ellipse: s-maj=4.2km s-min=3.3km az=29.0

NCC 02 11:06:50.1.0.9.42.92N:72.52E,h5km,7km,mb2.9 npt=2.6, Error ellipse: s-maj=6.0km s-min=5.1km az=33.0

ISC 02 11:06:49.3.1.42.81N:0.04:72.41E:0.02,h8km,10km, n34,c1905/63,28C-12D,Kyrgyzstan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MNAS Manas, MRKS Merke, MRKS Merke, etc.

IDC 02 10:50:23.9:7.9.30:48S:177.92W,h0km,mb3.2/2, mbtpm3.2/2, Error ellipse: s-maj=331.9km

s-min=61.5km az=156.0, Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ASAR Alice Springs, WRA Warramunga Arr, FINES FINESS Array B, etc.

IDC 02 11:03:06.5.0.8.35:36N:0.01:97.84W:0.01,h5km,1km, Error ellipse: s-maj=2.6km s-min=2.1km az=191.0

TUL 02 11:03:06.8.0.8.35:35N:0.009:97.85W:0.01,h6km,2km, ML2.6,mb\_Lg2.4/51(NEIC),ML2.6/37(NEIC), Error ellipse: s-maj=1.9km s-min=0.6km az=51.0, Oklahoma

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, H, m, s, ISC. Rows include ARLS, CHMS, KBK, IUG, TKM2, DGS, BTLS, KRBS, KST, BOOM, KTBS, ARXS.

TRN 02 11:06:53.1, 17.46N-61.25W, h19km, MD3.9, South-east of Barbuda, Leeward Islands
Code Station Name Az Phase ID Time Res ISC H m s ISC

IDC 02 11:41:14.0, 11.0, 18.70S; 178.21W, h616km, 108km, mb3.2/3, mbtmp4.3/4, Error ellipse: s-maj=126.6km
s-min=78.0km az=135.0

ISC 02 11:41:11.6, 2.4, 18.9S; 0.9, 178.0W, 0.6, h600km, n7, s0533/9, mb4.0/3, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, H, m, s, ISC. Rows include ANBD, DZM, STKA, WRA, ASAR, MKAR, BVAR, ARCS.

BGR 02 11:41:58.4, 23.72N-97.88E, h33km, mb4.6
IDC 02 11:42:08.5, 0.5, 26.47N-97.06E, h0km, mb4.3/30, mbtmp4.3/31, ML4.0/1, MS3.7/43, Error ellipse: s-maj=17.1km s-min=10.9km az=52.0

NEIC 02 11:42:10.9, 1.9, 26.45N; 0.03, 96.97E; 0.08, h10km, 1km, mb4.9/72, Error ellipse: s-maj=11.4km s-min=4.8km az=96.0

BUI 02 11:42:13.0, 0.0, 26.48N; 96.94E, h43km, mb4.5/1, mb4.8/26, ML4.1/9, MS4.2/42, MS7.4/43

ISC 02 11:42:11.8, 0.7, 26.45N; 0.04, 96.97E; 0.03, h19km, Myanmar n450, s15/442, mb4.7/103, MS3.7/45, BC-7D, Myanmar

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, H, m, s, ISC. Rows include TNCH, DIBR, MOKO, JORH, ZIRO.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, H, m, s, ISC. Rows include ZIRO, ITAN, SILR, PZH, MND, SHL, KMI, LSA, CDA, CD2, GTK, SLVN, CM31, CMAR, PHRA, GYA, GYA, GOMU, GOMU, BOK, LZH, LZH, LZH, GULI, GULI, XAN, XAN, XAN, GATA, ALBI, LGTI, PTH, LYN, LYN, LYN, WHN, NDI, BTO, BTO, BTO, BTO, BTO, SMLA, KUDL, HNS, HNS, HHC, HHC, HHC.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, H, m, s, ISC. Rows include WMQ, WMQ, WMQ, DHRM, HYB, HYB, THN, TIA, TIA, TIA, TIA, NJ2, NJ2, NJ2, NJ2, AJM, NIL, NIL, KSH, KSH, SONM, SONM, ULN, ULH, XLT, XLT, XLT, XLT, MK31, MKAR, MKAR, MKAR, BOOM, BOOM, MAKZ, UCH, AAK, AAK, AAK, PALK, DRK, DRP, EKS2, KBL, KBL, TGY, GAR, BTK, BTK, KURBB, KURBB, KURBB, KURB, KURK, KSRS, KSRS, ZALV, ZALV, HRA, BNX, BNX, BVAR, BVAR, BVAR, BRV, USRK, USRK, HEH, HEH, HEH, HEH, GEYT, GEYT, GYA0B, GYA0B, LEM, WSAR, WSAR, KLR, MJJB, MAJO, MAJO, MJAR, MJAR, ABKAR, ABKAR.



2d 12h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like P19K Oil Pt, O20K Slope Mountain, SUA Susitna One, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like N30M Aishikik Lake, POGA Pongola, HYT Haines Junctio, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KURBB Kurchatov Arra, BVAR Borovoye Array, WRA Warramunga Arr, etc.

Vertical text block containing station identifiers and coordinates: IDC 02 12:06:46.3:0.8, 30.07N:131.16E, h0km, mb3.7/16, etc.

Vertical text block containing station identifiers and coordinates: IDC 02 12:07:20.6:0.9, 1.75N:84.84W, h0km, mb3.7/9, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TMBK Timbaki Herakl, GVD Gavdhos, etc.





Table with 4 columns: Station Name, Code, Station Name, and Code. Includes stations like SH1A Shidzhatmaz, BEYR Bely Ugol+, KIV0 Kislodovsk Arr, etc.

KNET 02 12:48:01.7,0.3,42.97N,74.47E,h22km,4km,m1.2, Error ellipse: s-maj=1.9km s-min=1.6km az=33.0

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Lists numerous stations and their coordinates and times.

AEIC 02 13:01:31.6,2.1,58.27N,0.04,155.14W,0.07,h3km,6km, ML3.2,ML3.3,96(NEIC), Error ellipse: s-maj=6.9km

IDC 02 13:01:32.4,1.2,57.90N,155.14W,h0km,mb3.5/5,

mhm3.5/8,ML3.5/3, Error ellipse: s-maj=17.0km

s-min=14.1km az=12.0

ISC 02 13:01:32.6,1.1,58.30N,0.03,155.14W,0.02,h3km,7km,

n204,af98/209,mb3.6/4,Alaska Peninsula

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Lists stations across the Alaska Peninsula and surrounding areas.

Table with columns: Station Name, Code, Station Name, Code, Time, Res, h, m, s, ISC. Lists stations in the Kamchatka region and other areas.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, Res. Includes stations like GLB, VRDI, H17K, H19K, WRF, etc.

DJA 02 13:02:13.9,0.0,6.5,S,3\*10^7E, h260km,3km, M4,6/24, mb4.8/14, mB5.2/8, MLv4.6/24, Mw(mb)4.6/8

ISC 02 13:02:14.8,0.0,4.6,18S,0.06x107.32E,0.05, h250km, n115, az=52.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, Res. Includes stations like CBJI, CBJJ, TNG, DBJI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, Res. Includes stations like MBWA, P5A00, P5A01, etc.

LZJ LZH LZH CMSA Cobar Meteorol 43.84 130 P P 13 09 57.8 +1.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, Res. Includes stations like LCRK, MTSU, INKA, STKA, etc.

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

SHO Shikotan 3.63 57 eP AMB Pn 13 24 45.5 -0.4

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

2018 APR

2d 13h

Table of astronomical observations for 2d 13h, listing station names, coordinates, and observation times.

Table of astronomical observations for 2d 13h, listing station names, coordinates, and observation times.

Table of astronomical observations for 2d 13h, listing station names, coordinates, and observation times.

Table with columns: Station Name, Azimuth (A), Zenith Angle (Z), Phase ID, Time (h:m:s), and Residual (Res). Lists various stations like AC04, VA06, and others with their respective parameters.

Table with columns: Station Name, Azimuth (A), Zenith Angle (Z), Phase ID, Time (h:m:s), and Residual (Res). Lists stations like BVAR, KURBB, and ZALV.

TEH 02 13:38:31.1, 33.64N;45.69E, h10km,978km, ML2.5  
ISC 02 13:38:31.7, 1.1, 33.58N;45.69E, h11km,5km, ML2.5  
ISC 02 13:38:31.0, 1.9, 33.84N;0.06,45.67E, 0.08, h6km,15km,

Table with columns: Code, Station Name, Azimuth (A), Zenith Angle (Z), Phase ID, Time (h:m:s), and Residual (Res). Lists stations like ILBA, IGNG, and IGRG.

SCB 02 13:40:22.7, 2.5, 20.46S;63.22W, h652km,43km, ML6.6/1,  
MW6.2, Error ellipse: s-maj=18.8km s-min=17.1km az=0.0  
CATAc 02 13:40:29.7, 2.1, 20.49S;62.32W, h518km, MB6.2, mb6.1

IPGP 02 13:40:34.0, 2.0, 67S;63.02W, h567km, Mw6.9, Fault plane  
solution: NP1: 336.000000, -83.000000, -1.000000  
NP2: 346.000000, 835.000000, -1.000000

MOS 02 13:40:34.0, 1.2, 20.58S;63.01W, h551km, mb6.4/30,  
M5.7/7, Error ellipse: s-maj=8.6km s-min=6.4km az=70.3  
NEIC 02 13:40:34.2, 0.2, 20.66S;0.04;63.01W;0.09, h559km, 1km,

NEIC 02 13:40:34.6, 2.0, 65S;62.99W, h577km,  
MW6.3/42, Mw6.9/59, Mw6.6/109, Mw6.8/43, Error  
ellipse: s-maj=14.9km s-min=7.1km az=93.0, Moment  
Tensor Solution: Moment tensor: Scale 10^19Nm;

NEIC 02 13:40:35.2, 0.2, 65S;63.02W, h562km,  
GUC 02 13:40:38.2, 1.7, 20.67S;63.72W, h566km, 15km,  
GMCT 02 13:40:40.8, 0.1, 20.63S;0.01;62.81W, h589km,  
MW6.8/175, Moment Tensor Solution: s175,446S;

NEIC 02 13:40:49.6, 2.0, 76S;62.89W, h564km, Moment Tensor  
Solution: Duration: 13s Moment tensor: Scale 10^19Nm;  
M1: 1.8S; M2: 0.21; M3: 2.08; M4: 0.21; M5: 0.50; M6: 0.74;

ISC 02 13:40:35.1, 0.2, 20.62S;0.02;63.08W;0.03, h558km, 2km,  
h500km; P, N273, 1195/2584, mb6.3/540, 141C-175D,  
Southern Bolivia

Table with columns: Code, Station Name, Azimuth (A), Zenith Angle (Z), Phase ID, Time (h:m:s), and Residual (Res). Lists various stations like SOTI, AOVY, MOCB, and others.

Table with columns: Station Name, Azimuth (A), Zenith Angle (Z), Phase ID, Time (h:m:s), and Residual (Res). Lists various stations like PB01, SOEJ, FSA, and others.



Table with columns: Station Name, Comp, I/Amb, P, Time, Value. Includes stations like NUBE, LOAL Lomas de Alarc, MTO3 Montecristo, etc.

Table with columns: Station Name, Comp, I/Amb, P, Time, Value. Includes stations like VBMS Vicksburg, U56A King, VNA3 Neumayer Oljms, etc.

Table with columns: Station Name, Comp, I/Amb, P, Time, Value. Includes stations like M65A baz=172, YLE Yale, N58A Sunbury, etc.





O20A	baz=136,SNR=835	S	S	14 00 00.5 +2.0		
MONP2	<b>Monument Peak</b> baz=129,SNR=350	73.66	315	P	S	13 51 13.7 +1.0
MONP2	baz=129	P	P	14 00 02.1 +3.1		
NEE2	<b>Needles Airpor</b> baz=130,SNR=28	73.68	318	P	P	13 51 13.5 +1.0
NEE2	baz=130	S	S	14 00 01.7 +3.0		
TJX	<b>Tijuana</b> comp=Z,2um,1.3s	73.84	315	IAmb	IAmb	13 51 25.3
B35A	<b>Bob, Littlef</b> comp=Z,889nm,0.6s	73.94	339	IAMB	IAMB	13 51 15.4
BELC	<b>Belle Mtn. Jos</b> baz=129,SNR=642	74.08	316	P	P	13 51 16.1 +1.2
BELC	baz=129	S	S	14 00 05.6 +2.2		
109C	<b>Camp Elliot, M</b> baz=128,SNR=22	74.11	315	P	P	13 51 15.9 +0.9
109C	baz=128	S	S	14 00 06.1 +2.6		
TPFO	<b>Pinon Flats</b> baz=129,SNR=223	74.12	316	P	P	13 51 16.1 +0.9
TPFO	baz=129	S	S	14 00 07.3 +3.4		
PFO	<b>Pinyon Flats O</b> baz=129,SNR=149	74.13	316	P	P	13 51 16.0 +0.7
PFO	baz=129	S	S	14 00 07.6 +3.7		
PFO	<b>Pinyon Flats O</b> comp=Z,922nm,1.5s	74.13	316	i P	p Pmax	13 51 15.5 +0.2
TIO	<b>Tioune</b> comp=Z,1um,1.0s	74.14	48	P	P	13 51 15.4 0.0
RWWY	<b>Rawlins</b> comp=Z,1um,1.0s	74.24	327	IAMB	IAMB	13 51 22.0
SUR	<b>Sutherland</b> comp=Z,1um,0.8s	74.28	119	P	P	13 51 15.8 -0.6
SUR	baz=129	IAMB	IAMB	13 51 21.5		
SUR	<b>Sutherland</b> comp=Z,1um,0.8s	74.28	119	P	P	13 51 17.4 +1.0
GMRC	<b>Granite Mounta</b> baz=130,SNR=979	74.35	317	P	P	13 51 17.8 +1.4
GMRC	baz=130	S	S	14 00 09.5 +3.1		
MTRU	<b>Mount Pierson</b> comp=Z,685nm,0.8s	74.37	322	IAMB	IAMB	13 51 24.7
Q16A	<b>Castle Valley</b> comp=Z,694nm,0.9s	74.39	323	IAMB	IAMB	13 51 24.0
V12A	<b>Nelson</b> comp=Z,747nm,1.0s	74.45	318	IAMB	IAMB	13 51 23.4
P17A	<b>Butcher Ranch,</b> comp=Z,2um,1.1s	74.53	324	IAMB	IAMB	13 51 23.8
RSSD	<b>Black Hills</b> baz=140	74.54	331	P	P	13 51 16.9 -0.5
RSSD	<b>Black Hills</b> baz=140	74.54	331	P	P	13 51 17.6 +0.2
RSSD	baz=140	S	S	14 00 09.0 +0.9		
RSSD	<b>Black Hills</b> comp=Z,519nm,0.8s	74.54	331	P	pmax	13 51 16.9 -0.5
MURC	<b>Murrieta</b> baz=128,SNR=177	74.61	315	P	P	13 51 18.6 +0.7
MURC	baz=128	S	S	14 00 12.0 +3.1		
K22A	<b>Casper</b> comp=Z,705nm,0.8s	74.61	328	IAMB	IAMB	13 51 25.4
K22A	<b>Casper</b> baz=138,SNR=250	74.61	328	P	P	13 51 18.3 +0.5
K22A	baz=138	S	S	14 00 10.3 +1.4		
AGMN	<b>Agassiz Nation</b> baz=148,SNR=570	74.61	338	P	P	13 51 16.7 -0.8
AGMN	baz=148	S	S	14 00 02.7 -5.6		
AGMN	<b>Agassiz Nation</b> Trail Mountain comp=Z,1um,0.8s	74.61	338	i P	IAMB	13 51 16.6 -0.8
TMUT	<b>Trail Mountain</b> comp=Z,1um,0.8s	74.67	323	IAMB	IAMB	13 51 24.2
CCUT	<b>Cedar City</b> comp=Z,1um,1.0s	74.73	321	IAMB	IAMB	13 51 25.9
HEC	<b>Hector,Ludlow</b> baz=129,SNR=114	74.81	317	P	P	13 51 20.3 +1.3
HEC	baz=129	S	S	14 00 14.3 +3.1		
BBRC	<b>Big Bear Solar</b> baz=128,SNR=84	74.84	316	P	P	13 51 20.7 +1.3
BBRC	baz=128	S	S	14 00 15.0 +3.2		
TAOE	<b>Nuku Hiva Isla</b> comp=Z,1um,1.4s	74.89	266	eP	P	13 51 20.6 +0.7
TAOE	comp=Z,5um,29.6s			eP	P	13 53 17.7 -0.1
TAOE	comp=Z,314nm,1.3s			eS	S	14 00 11.3 -1.6
TCRU	<b>Three Creeks R</b> comp=Z,218nm,0.8s	74.91	322	IAMB	IAMB	13 51 27.9
TUQ	<b>Turquoise Moun</b> baz=130,SNR=120	74.93	318	P	P	13 51 20.6 +0.9
TUQ	baz=130	S	S	14 00 15.9 +3.3		
EKNA	<b>Africa Array -</b> San Clemente I	75.13	80j	eP	P	13 51 23.2 +2.1
SCI2	baz=127,SNR=60	75.13	314	P	P	13 51 21.5 +0.8
SCI2	baz=127	S	S	14 00 17.8 +3.3		
SCHQ	<b>Schefferville</b> comp=Z,714nm,0.6s,baz=181,slow=4.1,SNR=260	75.21	358	i P	P	13 51 19.9 -0.8
SCHQ	comp=Z,714nm,0.6s,baz=181,slow=4.1,SNR=260	75.21	358	i P	P	13 51 19.9 -0.8
SCHQ	comp=Z,714nm,0.6s,baz=181,slow=4.1,SNR=260	75.21	358	i P	P	13 51 19.9 -0.8
SCHQ	comp=Z,56nm,0.6s,baz=178,slow=16,SNR=1.4			p P	P	13 53 17.4 -0.3
SCHQ	comp=Z,38nm,0.9s,baz=352,slow=14,SNR=1.1			p P	P	13 57 03.9 +0.2
SCHQ	comp=Z,9.6nm,0.8s,baz=140,slow=2.6,SNR=2.1			p P	P	14 10 38.5 -1.3
RRX	<b>Edison Barstow</b> baz=129,SNR=86	75.27	317	P	P	13 51 22.8 +1.4
RRX	baz=129	S	S	14 00 18.6 +2.6		
BSUT	<b>Blindstream Ca</b> comp=Z,1um,0.8s	75.28	324	IAMB	IAMB	13 51 25.8
CIS	<b>Catalina Islan</b> baz=127,SNR=159	75.29	315	P	P	13 51 22.6 +1.0
CIS	baz=127	S	S	14 00 19.3 +2.9		
BFSC	<b>Mount Baldy Ra</b> baz=128,SNR=179	75.30	316	P	P	13 51 22.4 +0.6
BFSC	baz=128	S	S	14 00 19.6 +3.0		
FMP	<b>Fort Macarthur</b> baz=128,SNR=36	75.40	315	P	P	13 51 23.0 +0.8
FMP	baz=128	S	S	14 00 19.6 +2.2		
MPU	<b>Maple Canyon</b> comp=Z,925nm,0.9s	75.41	323	IAMB	IAMB	13 51 28.1
SHOC	<b>Shoshone, Teco</b> baz=129,SNR=114	75.45	318	P	P	13 51 23.1 +0.7
SHOC	baz=129	S	S	14 00 21.0 +3.2		
AVE	<b>Averoes</b> comp=Z,2um,1.0s	75.45	46	P	P	13 51 22.7 +0.2
AVE	<b>Averoes</b> comp=Z,1um,1.2s	75.61	315	IAMB	IAMB	13 51 31.3
PASD	<b>Padadena Art C</b> comp=Z,1um,1.2s	75.62	336	P	P	13 51 23.3 +0.2
MDND	<b>Madcock</b> baz=145,SNR=246			S	S	14 00 18.6 -0.7
MDND	baz=145			S	S	14 00 18.6 -0.7
PRN	<b>Patroc Rango</b> comp=Z,2um,1.4s	75.65	320	IAMB	IAMB	13 51 30.9
PSUT	<b>Pine Spring</b> comp=Z,2um,1.0s	75.68	321	IAMB	IAMB	13 51 30.6
DECC	<b>Green Verdugo</b> baz=128,SNR=71	75.75	315	P	P	13 51 25.1 +0.9
DECC	baz=128	S	S	14 00 23.3 +2.0		
GWY	<b>Greenwater Val</b> comp=Z,925nm,0.9s	75.88	318	IAMB	IAMB	13 51 31.4
EDW2	<b>Edwards Air Fo</b> baz=128,SNR=363	75.91	316	P	P	13 51 25.8 +0.7
EDW2	baz=128	S	S	14 00 24.7 +1.7		
SNCC	<b>San Nicolas Is</b> comp=Z,1um,1.0s	75.94	314	IAMB	IAMB	13 51 32.8
SNCC	baz=126,SNR=49	75.94	314	P	P	13 51 26.1 +0.9
SNCC	baz=126,SNR=49					
SNCC	baz=126,SNR=49					
SNCC	baz=126,SNR=49					

2d 13h

2018 APR

Table of racing results for the 2d 13h section, listing various race numbers, names, and outcomes.

Table of racing results for the 2018 APR section, listing various race numbers, names, and outcomes.

Table of racing results for the 104 section, listing various race numbers, names, and outcomes.



Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ODD1, IGT, CEME, Eaglecrest, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like comp-Z,3um,4.1s, AKN, KUN, THAL, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like comp-Z,2um,4.0s, NC602, PAIG, etc.







2d 14h

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like BNK, MDJ, BKS, MLI, NLA, etc.

2018 APR

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like Chengdu, Tai'an, Xi'an, Sheshan, Guiyang, Wuhan, etc.

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Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like San Ignacio, Toad, Tord, PDAR, etc.





Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like PRH2, KHEZ, NBZV, DVHZ, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like BTK, OHH, KBL, KBL, etc.

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

IDC 02 14:49:28.4,17.0,50.61N;176.51W,h0km,mb3.3/4, mbtmp3.4/5,ML2.2/I, Error ellipse: s-maj=401.9km s-min=39.5km az=163.0

NEIC 02 14:49:31.9,0.5,50.89N;0.03:176.36W:0.0,7, h10km,1km, ML2.7(AEIC), Error ellipse: s-maj=8.1km s-min=4.4km az=236.0

AEIC 02 14:49:34.5,0.5,50.99N;0.02:176.42W:0.0,7, h13km,6km, Error ellipse: s-maj=6.8km s-min=2.2km az=81.0

ISC 02 14:49:34.5,1.6,50.99N;0.1:176.41W:0.09,h35km,n24, o586/22,mb3.8/3,Andreanof Islands

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

TRN 02 14:55:43.9,17.80N;63.05W,h158km,MD3.6,South of Sint Maarten.,Leeward Islands

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

IDC 02 15:00:17.3:3.4,37.26N;71.92E,h134km,26km,mb3.4/8, mbtmp4.0/15, Error ellipse: s-maj=28.9km s-min=18.8km az=175.0

MOS 02 15:00:17.8:1.0,37.29N;71.84E,h153km,mb4.2/8, Error ellipse: s-maj=9.8km s-min=4.4km az=84.3

NNC 02 15:00:19.4:4.3,37.52N;71.46E,h159km,54km,mb3.4, mbp4.3, Error ellipse: s-maj=39.7km s-min=23.4km az=170.0

NEIC 02 15:00:19.0:1.1,37.30N;0.06:71.86E:0.09,h150km,4km, mb4.1/30, Error ellipse: s-maj=10.3km s-min=8.1km az=113.0

ISC 02 15:00:17.1:0.4,37.21N;0.04:71.75E:0.05,h150km,n141, o235/159,mb4.0/33,9C-6D,Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like GAR, DRK, CHGR, etc.

IDC 02 15:00:17.3:3.4,37.26N;71.92E,h134km,26km,mb3.4/8, mbtmp4.0/15, Error ellipse: s-maj=28.9km s-min=18.8km az=175.0

MOS 02 15:00:17.8:1.0,37.29N;71.84E,h153km,mb4.2/8, Error ellipse: s-maj=9.8km s-min=4.4km az=84.3

NNC 02 15:00:19.4:4.3,37.52N;71.46E,h159km,54km,mb3.4, mbp4.3, Error ellipse: s-maj=39.7km s-min=23.4km az=170.0

NEIC 02 15:00:19.0:1.1,37.30N;0.06:71.86E:0.09,h150km,4km, mb4.1/30, Error ellipse: s-maj=10.3km s-min=8.1km az=113.0

ISC 02 15:00:17.1:0.4,37.21N;0.04:71.75E:0.05,h150km,n141, o235/159,mb4.0/33,9C-6D,Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like AB31, AB31, AB31, etc.

IDC 02 15:00:17.3:3.4,37.26N;71.92E,h134km,26km,mb3.4/8, mbtmp4.0/15, Error ellipse: s-maj=28.9km s-min=18.8km az=175.0

MOS 02 15:00:17.8:1.0,37.29N;71.84E,h153km,mb4.2/8, Error ellipse: s-maj=9.8km s-min=4.4km az=84.3

NNC 02 15:00:19.4:4.3,37.52N;71.46E,h159km,54km,mb3.4, mbp4.3, Error ellipse: s-maj=39.7km s-min=23.4km az=170.0

NEIC 02 15:00:19.0:1.1,37.30N;0.06:71.86E:0.09,h150km,4km, mb4.1/30, Error ellipse: s-maj=10.3km s-min=8.1km az=113.0

ISC 02 15:00:17.1:0.4,37.21N;0.04:71.75E:0.05,h150km,n141, o235/159,mb4.0/33,9C-6D,Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like GAR, DRK, CHGR, etc.

IDC 02 15:00:17.3:3.4,37.26N;71.92E,h134km,26km,mb3.4/8, mbtmp4.0/15, Error ellipse: s-maj=28.9km s-min=18.8km az=175.0

MOS 02 15:00:17.8:1.0,37.29N;71.84E,h153km,mb4.2/8, Error ellipse: s-maj=9.8km s-min=4.4km az=84.3

NNC 02 15:00:19.4:4.3,37.52N;71.46E,h159km,54km,mb3.4, mbp4.3, Error ellipse: s-maj=39.7km s-min=23.4km az=170.0

NEIC 02 15:00:19.0:1.1,37.30N;0.06:71.86E:0.09,h150km,4km, mb4.1/30, Error ellipse: s-maj=10.3km s-min=8.1km az=113.0

ISC 02 15:00:17.1:0.4,37.21N;0.04:71.75E:0.05,h150km,n141, o235/159,mb4.0/33,9C-6D,Afghanistan-Tajikistan border region

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

IDC 02 15:00:25.9:2.9,20.23S;63.21W,h606km,51km,ML4.2/1, Error ellipse: s-maj=25.6km s-min=18.8km az=0.0

IDC 02 15:00:30.8:0.7,20.66S;62.97W,h545km,7km,mb3.8/20, mbtmp4.7/25, Error ellipse: s-maj=10.9km s-min=8.3km az=70.0

VAO 02 15:00:31.5:0.2,20.69S;63.01W,h556km,mb4.4

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

NEIC 02 15:00:31.8; 1.6, 20.7; S: 0.1; 63.0; W: 0.1, h561km, 7km, mb4.5/250, Error ellipse: s-maj=19.6km s-min=15.2km az=87.0

GUC 02 15:00:35.1; 1.1, 20.7; S: 0.1; 63.5; W: 0.1, h559km, 31km, mb5.1 ISC 02 15:00:31.9; 0.3, 20.6; S: 0.05; 63.1; W: 0.06, h564km, n399, s18/310, mb4.5/134, 13C-7D, Southern Bolivia

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

Table with columns: B102, Iamb, Iamb, 15 04 05.9, etc. Lists seismic events with station codes and magnitudes.

Table with columns: P48A, Miroly, 63.38 341, Iamb, Iamb, 15 10 06.3, etc. Lists seismic events with station codes and magnitudes.

2d 15h

Table with columns: ID, Name, Time, Res, and various codes. Includes entries like Snowmass, 5 Mile Ranch, Red Feather La, etc.

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Table with columns: ID, Name, Time, Res, and various codes. Includes entries like Mawson, Newport, Chrisman Ranch, etc.

JMA 02 15:07:55.8-0.1, 24°2N, 03°123.8E, h16km, 11km. Table with columns: Code, Station Name, Time, Res, and various codes.

TAP 02 15:08:48.3, 24°54N, 121°34E, h6km, MLO.7, 1C, C. Table with columns: Code, Station Name, Time, Res, and various codes.

SCB 02 15:09:02.4, 1.3, 20°85S, 63°71W, h602km, 15km, M4.0/0.4. Table with columns: Code, Station Name, Time, Res, and various codes.

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WEL 02 15:28:31.0, 38°S, 7°17'6E, h141km, 15km, M2.7/39, mb4.8/1, M2.2, 1/6, M2.7/39, Mw(MB)4.1/1, Error ellipse: s-maj=0.0km s-min=0.0km az=102.2, North Island

Table with columns: Code, Station Name, Time, Res, and various codes. Includes entries like MHRZ, RZK, OMRZ, etc.

IDC 02 15:39:07.4-2.0, 6.03S, 143.00E, h0km, mb3.8/1, mbmtpp3.4/4, M3.4, 2, MS4.1/1, Error ellipse: s-maj=39.4km s-min=33.8km az=102.0, New Guinea

IDC 02 15:42:10.4, 2.4, 4.26S, 130.67E, h0km, mb3.4/1, mbmtpp3.3/3, M3.3, 2, Error ellipse: s-maj=125.4km s-min=31.1km az=71.0, Banda Sea

IDC 02 15:52:37.2, 0.6, 11°57N, 125°66E, h0km, mb4.0/22, mbmtpp4.0/22, MS4, 3/3, Error ellipse: s-maj=30.0km s-min=13.4km az=73.0, NEIC 02 15:52:43.4, 1.4, 11°56N, 0°1'125°6E, 0.2, h35km, 2km, mb4.4/36, Error ellipse: s-maj=25.4km s-min=18.0km az=77.0

ISC 02 15:52:44.6, 0.5, 11°16N, 0°08'125°6E, 0.1, h53km, m73, 0°83/68, mb4.2/40, MS4.1/3, Samar

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like ASAR, SOMN, HNR, H11S3, H11S1, H11S2, H11N1, H11N2, H11N3, FORT, BBOO, STKA, PETK, MK31, MKAR, MKAR, MKAR, MAKZ, TOO, ZALV, KURK, KURBB, KK31, KKAR, TIKI, BVAR, BRVK, NRK, ABKAR, ARU, D19K, B20K, B21K, IMAR, H21K, B22K, D22K, RAYN, C23K, ILAR, BMAR, E28M, G29M, KEV, SPITS, G30M, ARCES, VOI, BRTR, FIA1, FINES, AKASG, C36M, BURAR, BUR08, HFS, NBB, BOA, YKA.

NEIC 02 16:00:01.0-7.0, 47.45N-0.02-93.03W-0.02, h0km, 2km, mb 1.2g/1.3, ML2.6/6, Error ellipse: s-maj=3.2km s-min=1.1km az=206.0
IDC 02 16:00:02.4-3.7, 47.72N-92.68W, h0km, mbtmp2.5/2, ML0.6/1, Error ellipse: s-maj=69.1km s-min=26.2km az=50.0
ISC 02 16:00:00.0-0.9, 47.45N-0.04-93.06W-0.04, h0km, n20, c=089/19, Minnesota

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like G40A, COWI, D41A, ULM, ULM, ULM, ULM, H10CA, I40A, I40A, E43A, SUSD, L40A, L42A, P43A, YKA, BATI, MMRI, KNRA, FITZ, WB0, WRA, WRA, WB2, WR0, COEN, AS31, ASAR, ASAR, MBWA, P5A00, P5A00, BBOO, STKA, STKA, MK31, MKAR, MKAR, KURBB, QSPA, QSPA.

IDC 02 16:40:03.0-1.9, 26.60N-128.86E, h0km, mb3.6/9, mbtmp3.6/10, ML4.0/1, MS4.0/2, Error ellipse: s-maj=42.5km s-min=17.0km az=1.0
NEIC 02 16:40:04.5-1.3, 26.33N-128.91E-0.07, h15km, 6km, mb4.3/25, Error ellipse: s-maj=12.1km s-min=5.4km az=217.0
JMA 02 16:40:06.2-0.2, 26.5N-129.9E, h44km, 4km, MV3.9/17, NEAR OKINAWAJIMA ISLAND
ISC 02 16:40:03.8-1.8, 26.45N-128.98E-0.03, h14km, 12km, n25, c=162/79, mb4.3/22, Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like YHNB, YULB, SSSLB, TPUB, JMIN, INUJ, JKA, SOMN, CMAR, MKAR, ZALV, KURBB, HNR, BVAR, ABKAR, F17K, C18K, G18K, D19K, E19K, H19K, J20K, IMAR, B22K, H21K, D22K, E22K, D24K, F24K, ILAR, BMAR, RIDG, SCRK, J26L, M26K, BCAR, I28M, H28M, H31M, Q30N, FARO, C36M, FINES, YKA.

JMA 02 16:43:58.9-0.1, 25.1N-122.4E-0.4, h102km, 1km, TAIWAN REGION
TAP 02 16:43:59.3, 24.72N-122.36E, h97km, ML2.6, C
ISC 16:43:59.0-0.4, 24.59N-122.39E-0.04, h98km, 12km, n53, c=062/105, 2C, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like E0S3, E0S3, TWC, TWC, JYNG, E0S4, E0S4, TIPB, EWUT, EWUT, NDS, NDS, SXI1, SXI1, YOJ, YOJ, ENA, ENA, TWE, TWE, NWF, NWF, WFSB, WFSB, FUSB, FUSB, ENT, ENT, ENT, ENT, LATG, LATG.

2d 16h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Datong Townshi, Wulai, Yuzh-Kuril'sk, etc.

IDC 02 16:48:00.9,0.9,3.91S:137.74E,h0km,mb3.8/6, mbtmp4.08,ML2.0/I, Error ellipse: s-maj=37.6km s-min=20.4km az=62.0 NEIC 02 16:48:07.1,2,4.07S:0.10x:137.9E:0.1, h35km,2km, mb4.4/14, Error ellipse: s-maj=18.3km s-min=15.1km az=50.0 ISC 02 16:48:06.9,0.6,4.22S:107.137.70E:0.08,h35km,n34, s=25/37,mb3.8/9,Irian Jaya

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Table with columns: WBO, Iamb, Iamb, 16 51 55.7, etc. Includes stations like Warramunga Arr, Fitzroy Crossi, etc.

IDC 02 16:52:29.4,1.1,1.11N:125.77E,h0km,mb3.6/5, mbtmp3.6/5, Error ellipse: s-maj=83.4km s-min=21.0km az=70.0,Northern Molucca Sea

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

MOS 02 16:55:28.2,0.1,0.46:86N:153.73E,h80km,mb4.4/5, Error ellipse: s-maj=18.8km s-min=4.8km az=67.6 NEIC 02 16:55:30.8,0.7,4.7:6N:0.1x:152.3E:0.2,h91km,5km, mb4.1/35, Error ellipse: s-maj=23.1km s-min=13.8km az=132.0 SKHL 02 16:55:31.0,0.2,47:00N:153.40E,h93km,2km,mb5.3/6, msh6.0/Q

IDC 02 16:55:34.9,2.5,4.7:61N:152.66E,h132km,22km,mb3.3/9, mbtmp3.8/13, Error ellipse: s-maj=24.4km s-min=15.8km az=131.0 JMA 02 16:55:34.7,0.7,4.6:1N:7.15:3E:1, h152km,MV4.0/12, KURILE ISLANDS REGION

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Kuril'sk, Severo-Kuril's, etc.

Table with columns: YUK, A, A, 16 56 59.4, etc. Includes stations like Asaka, Rusj, Mutnovka, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SUMG Summit, FCC Fort Churchill, NVAR Milna Array Bea, FINES FINES Array B, etc.

DJA 02 17:18:12.0,0.5,6'S:3°13'1E, h133km, 15km, M4,0/10, mb4,0/4, MLV4,0/10, ISC 02 17:18:13.0,1.3,5'68S:0°08'13.1E:0°09, h68km, n16, r155/16, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BNDI Bandanaira, SAUI Saumlaki, FAKI Fak Fak, etc.

AZER 02 17:20:22.4, 38°78N-48°76E, h34km, ml2.5, TEH 02 17:20:24.9, 38°65N-48°58E, h10km, 99km, ML2.1, ISC 02 17:20:24.7, 1.0, 38.74N-0°04-48.66E:0.05, h32km, 8km, n21, r131/36, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LKRN Lenkeran, AZER Astara, LRK Lerik, etc.

NEIC 02 17:24:55.5, 1.6, 47°59N-0°06-92°66W:0.07, h0km, 2km, mb\_Lg3,2/56, ML3,1/6, Error ellipse: s-maj=9.6km, s-min=7.3km, az=18.0

ISC 02 17:24:56.4, 3.2, 47.64N-92°56W, h0km, mbkm, 2/3, ML1,1/1, Error ellipse: s-maj=39.0km, s-min=17.9km, az=76.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like EYMN Ely, B35A Bob, E38A The Farm, Brul, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ULM, I10CA, I37A, F42A, I40A, E43A, I42A, H43A, MDND, ECSD, K38A, JFWS, SUSD, G45A, E28A, L40A, SCIA, K43A, E46A, L42A, N38A, N41A, M44A, J47A, N35A, BGNE, HDIL, P38A, H43A, O44A, P40A, SFIN, N47A, RSSD, P46A, O44B, R40A, OLIL, O49A, CCM, P48A, M49A, MGMO, PDAR, YKA, etc.

NEIC 02 17:33:40.3, 1.6, 18°3N-0°3-66°4W:0.1, h83km, 20km, ML2,1/14, Md3,1/5(RSPR), Error ellipse: s-maj=41.7km, s-min=7.7km, az=197.0

RSPR 02 17:33:42.2, 18°34N-68°27W, h76km, 1km, MD3,1/5, ISC 02 17:33:38.6, 1.5, 18.3N-0°2-68.36W:0.07, h100km, n25, r1529/27, 3C-2D, Nova Passage

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PCDR Punta Cana, AOPR Arceibo Observ, OBIP Obispo Ponce, CELP Cerrillos, etc.

SFS 02 18:04:02.3, 35°83N-4°40W, h0km, CNRM 02 18:04:02.4, 35°33N-6°41W, h52km, ML1.6, MDD 02 18:04:02.4, 0.9, 35.77N-4°56W, h0km, mb\_Lg2,2/3, Error ellipse: s-maj=7.7km, s-min=6.5km, az=120.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SMIR Smir Dam, EMIJ Mijas, EMJF Jimena Fronter, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ELGU, EGOR, EBER, BERJ, EOES, EADA, EAD, ECAB, MD31, MD31, MDT, PFVI, PFVI, etc.

JMA 02 18:16:44.9, 0.3, 30°0N-0°8-131°4E:0.9, h28km, 2km, MV3,4/26, NEAR AMAMI-OSHIMA ISLAND, IDC 02 18:16:55.4, 1.3, 30°54N:130°60E, h67km, 39km, mb,3,5/9, mbtmp,3,7/12, ML2,8/3, Error ellipse: s-maj=49.0km, s-min=23.5km, az=67.0

ISC 02 18:16:45.1, 2.0, 30.02N-0°05:131°39E:0.09, h28km, 11km, n24, r151/29, mb3,7/9, Kyushu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JMTN Minamitane, JTN Tanegashima 3, JYAK Yakushimahirau, etc.

IDC 02 18:19:39.0, 0.8, 30°11N-131°03E, h0km, mb4,0/17, mbtmp4,0/22, ML3,4/6, MS3,7/14, Error ellipse: s-maj=21.0km, s-min=15.2km, az=93.0

JMA 02 18:19:41.0, 0.3, 30°0N-0°8-131°4E:0.9, h29km, 1km, MD4,2/28, MV4,0/28, NEAR AMAMI-OSHIMA ISLAND, NIED 02 18:19:41.0, 29°96N-131°38E, h29km, MV4,5, Moment Tensor Solution, s3, Moment tensor: Scale 10^15Nm, Mns:5.81, Mss:-2.17, Mss:-3.64, Mss:1.49, Mss:3.70, Mss:1.90, Fault plane solution: M=6.69000x10^15 Np1, s3, 000000, s5, 000000, s89, 000000, NP2:s220,00000, s34, 000000, r2, 1, 0, 0, 0, 0, 0

NEIC 02 18:19:43.2, 1.3, 30°01N-0°06-131°2E:0.1, h37km, 3km, mb4,5/37, Error ellipse: s-maj=13.7km, s-min=7.9km, az=109.0

ISC 02 18:19:43.6, 0.9, 29°98N:0°04-131°21E:0.05, h42km, 7km, n127, r159/119, mb4,4/39, MS3,9/17, 2C, Southeast of Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JMTN Minamitane, JYAK Yakushimahirau, JYAK Yakushimahirau, etc.

Table with columns: Call Sign, Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like KSAR, JHJ, KS19, MAJO, MJAR, etc.

Table with columns: Call Sign, Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like MAKZ, TIXI, BILIBINO, KURBS, etc.

Table with columns: Call Sign, Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like THIG, CHUJ, PMUV, etc.

IDC 02 18:26:21.5: 1.9, 3.48N, 125.00E, h0km, mb3.3/4, mbmp3.3/4, Error ellipse: s-maj=216.0km, s-min=24.6km az=65.0, Celebes Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA, ASAR, MKAR, BVAR, etc.

IDC 02 18:27:49.4: 1.5, 5.5:12Sx148:99E, h0km, mb4.0/5, mbmp4.0/5, MS3.9/9, Error ellipse: s-maj=107.8km, s-min=17.5km az=79.0

NEIC 02 18:27:52.6: 1.9, 5.5:4S:0.1x147:3E:0.2, h10km, 1km, mb4.4/16, Error ellipse: s-maj=23.2km s-min=18.7km

ISC 02 18:27:52.1: 0.6, 5.5:33S:0.09x147:3E:0.1, h10km, n58, c181445, mb4.4/12, MS4.0/10, West of Macquarie Island

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA, ASAR, MKAR, BVAR, etc.

IDC 02 18:22:22.5: 1.0, 16:44N:93:92W, h96km, 7km, mb3.5/4, mbmp3.6/6, MS3.4/1, Error ellipse: s-maj=45.2km, s-min=8.1km az=32.0

MEX 02 18:22:23.4: 0.9, 16:26N:94:18W, h100km, 11km, MD4.4, ISC 02 18:22:22.0: 0.8, 16:29N:0.04:94:13W:0.03, h107km, 6km, n51, c287/90, mb3.7/4, Oaxaca

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CARR, UXUV, PCIG, CMIG, etc.



Table with columns: WRA, WBO, MAW, FITZ, KNRA, MTN, PMG, SNA, SNA, H04S1, H04S2, H04S3, H04S4, H04S5, H04S6, H04S7, H04S8, H04S9, H04S10, H04S11, H04S12, H04S13, H04S14, H04S15, H04S16, H04S17, H04S18, H04S19, H04S20, H04S21, H04S22, H04S23, H04S24, H04S25, H04S26, H04S27, H04S28, H04S29, H04S30, H04S31, H04S32, H04S33, H04S34, H04S35, H04S36, H04S37, H04S38, H04S39, H04S40, H04S41, H04S42, H04S43, H04S44, H04S45, H04S46, H04S47, H04S48, H04S49, H04S50, H04S51, H04S52, H04S53, H04S54, H04S55, H04S56, H04S57, H04S58, H04S59, H04S60, H04S61, H04S62, H04S63, H04S64, H04S65, H04S66, H04S67, H04S68, H04S69, H04S70, H04S71, H04S72, H04S73, H04S74, H04S75, H04S76, H04S77, H04S78, H04S79, H04S80, H04S81, H04S82, H04S83, H04S84, H04S85, H04S86, H04S87, H04S88, H04S89, H04S90, H04S91, H04S92, H04S93, H04S94, H04S95, H04S96, H04S97, H04S98, H04S99, H04S100.

IDC 02 18:41:16.6:19.0,36.91N-69.69E,h362km,207km, mb2.6/2, mbtmp3.6/5, Error ellipse: s-maj=148.6km s-min=64.0km az=164.0, Hindu Kush region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s, ISC. Includes stations like MKAR, KURB, BVAR, ZALV, TORO.

IDC 02 18:59:30.0:3.5,4.4AS:104.05E,h0km,mb3.6/4, mbtmp3.6/4, Error ellipse: s-maj=190.9km s-min=27.4km az=53.0, Southern Sumatara

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s, ISC. Includes stations like WRA, ASAR, STKA, MKAR.

AEIC 02 19:01:40.2:1.5,55.83N:0.10:149.9W,0.1, h7km,8km, Error ellipse: s-maj=14.2km s-min=9.6km az=171.0

NEIC 02 19:01:36.7:1.7,55.91N:0.09:149.93W,0.10, h7km,7km, mb3.6/2, ML3.4/42, ML3.3(3AIC), Error ellipse: s-maj=13.9km s-min=7.9km az=174.0, Gulf of Alaska

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s, ISC. Includes stations like OHAK, SYI, Q19K, KAKN, CNPM, ANCH, BRSE, KAHC, BRK, Q23K, MID, P19K, SEW, P23K, Q20K, ILSW, ILSW.

Main table listing stations with columns: P18K, CHGN, CHGN, RSO, P17K, HIN, HIN, O18K, O18K, O18K, KAIA, EYAK, EYAK, FID, FID, FID, RC01, RC01, RC01, GLI, GLI, GLI, SUCK, SUCK, SUCK, P16K, HAM, N1CHA, O17K, N19K, KNK, BEGR, SUA, STLK, SNH, O16K, N16K, HIT, WAX, SML, KLU, SVW2, SVW2, N17K, MESA, CRQM, SCM, IGL, SKT, ISLE, BAGL, O15K, VRDI, N2K, M18K, GLB, KIAG, M19K, SAMH, CRMG, TABL, M24K, N16K, MCARA, PTPK, PTPK, BARN, M17K, PNL, PNL, I19K, CTGM, LOGN, BCPM, S12K, N15K, O14K, M16K, O28M, L18K, DHY, O29M, P29M, RND, TRF, CAST, L16K, YUK3, M27K, KTH, TTA, MENT, S31K, L26K, M14K, K17K, HYT, RIDW, P14W, L27K, BCAR, M13K, J20K, L14K, J19K, SCRK, WRH, K15K, Q30N, M29M, CCB, IL3, ILAR, J25K, M2M, J16K, MLY, J26L, N31M, WHY, I21K, L25M, DAWY, J14K, H21K, H23K, H24K, P32M, K25M, M31M, I28M, G23K, H29M, SMR, C36M, A36M, A36M.

JMA Fel1 J1 at NEAR AMAMI-OSHIMA ISLAND, MD4.7/26, MV4.7/26, NEAR AMAMI-OSHIMA ISLAND

Table listing stations with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s, ISC. Includes stations like JMA, NIED, TNSOR, Mnt, Fault plane, IDC, NEIC, ISC, Code, Station Name, Az, Az2, Phase ID, Time Res, h m s, ISC.

2d 19h

Table with columns for station code, name, coordinates, and various data points. Includes stations like KLR, HHC, XAN, BTO, HEH, GUA, YIA, GYA, QIZ, DAV, CD2, LZH, KMI, ULN, SONM, PZH, SGSI, GTA, TNC, CRAI, PHRA.

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Table with columns for station code, name, coordinates, and various data points. Includes stations like GOMU, YAK, MA2, SEY, WMQ, ZALV, MKAR, MAKZ, GSI, LEM, KURK, TARG, ULHL, KSH, KURB, TARM, ULHL, KSH, KSH, KSH, TKM2, KBK, CHMS, FRU1, NRIK, AAK, AAK, AAK, UCHT, EKS2, HNR, POBK, NIKH, DRK, GAMB, BVAR, BRVK, BRVK, KK31, KKAR, BTK, WRA, UNV, GNA, TNR, CHGR, SIMJ, SIMJ, F14K, ANM, ANM, KBL, KBL.

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Table with columns for station code, name, coordinates, and various data points. Includes stations like M13K, F15K, PALK, J14K, G15K, C16K, L14K, S12K, M14K, N14K, H16K, O14K, G16K, L15K, ASAR, K15K, D17K, C17K, RDOG, M15K, SDPT, E17K, J16K, I17K, F17K, F17K, N15K, O15K, G17K, B18K, S14K, CHNA, C18K, L16K, E18K, H17K, M16K, A19K, F18K, N16K, CHGN, L17K, K17K, C19K, G18K, O16K, H18K, M17K, F19K, D19K, N17K, G19K, GCSA, E19K, L18K, L18K, J18K, P17K, H19K, B20K, D20K, TTA, N18K, M18K, E20K, ABKAR, ABKAR, J19K, F20K, ARU, ARU, ARU, A21K, O18K, P18K, H20K, L19K, I20K, I20K, C21K, A22K, N19K.

Table with columns: ID, Name, Comp-Z, In, S, SNR, P, T, D, A, S, R, L, V, F, W, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, and values.

Table with columns: ID, Name, Comp-Z, In, S, SNR, P, T, D, A, S, R, L, V, F, W, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, and values.

Table with columns: ID, Name, Comp-Z, In, S, SNR, P, T, D, A, S, R, L, V, F, W, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, and values.





2d 19h

Table of astronomical observations for 2d 19h, listing station names (e.g., KLBR, LCRK, MUN), coordinates, and various parameters like SNR, P, and time.

2018 APR

Main table of astronomical observations for 2018 APR, listing station names (e.g., VNSA, GURO, G19K), coordinates, and various parameters like SNR, P, and time.

124

Table of astronomical observations for 124, listing station names (e.g., mb4, G/32), coordinates, and various parameters like Error ellipse, s-maj, s-min, and time.



2d 20h

2018 APR

Table of station data for 2d 20h. Columns include Code, Station Name, Time, Res, and various parameters like S, C, and I.

Table of station data for 2018 APR (RANC to OZNA). Columns include Code, Station Name, Time, Res, and various parameters like S, C, and I.

Table of station data for 2018 APR (TXAR to MJAR). Columns include Code, Station Name, Time, Res, and various parameters like S, C, and I.

SNET 02 20:29:09.5s+1.1, 11°60'N-87°75'W, h24km, 39km, ML4.2
CATAC 02 20:29:10.2, 0.2, 11°64'N-87°79'W, h25km, ML4.1
NEIC 02 20:29:13.3, 1.5, 11°88'N-07°87'86W, 0.08, h38km, 4km,
mb4.5/55, Error ellipse: s-maj=12.7km s-min=8.2km az=51.0

ICC 02 20:29:15.3, 1.6, 12°12'N-87°29'W, h54km, 15km, mb3.7/6,
mbmp3.9/7, ML2.6/2, Error ellipse: s-maj=44.6km
s-min=9.9km az=42.0
ISC 02 20:29:12.4, 1.0, 11.70N, 0.04, 87.75W, 0.04, h45km, 10km,

IDC 02 20:40:30.4, 6.13, 0.29, 64N, 73.33W, h0km, Error ellipse:
s-maj=310.2km s-min=169.2km az=36.0, Off east coast
of United States

Table of station data for Near coast of Nicaragua (n160, 1181, mb4.4/31, C). Columns include Code, Station Name, Time, Res, and various parameters.

Table of station data for near coast of Nicaragua (RANC to OZNA). Columns include Code, Station Name, Time, Res, and various parameters.

Table of station data for Pacific Array (IS1GB to MJAR). Columns include Code, Station Name, Time, Res, and various parameters.









2d 22h

Table of astronomical observations for the 2d 22h period, listing objects like Tololo Observa, Curacav, Peldehue, etc., with their respective RA, Dec, and magnitude.

2018 APR

Table of astronomical observations for 2018 APR, listing objects like Llanos de Chal, Valle Fertil, Panimavida, etc., with their respective RA, Dec, and magnitude.

130

Table of astronomical observations for 130, listing objects like SNAIA Snaae, SNAIA Snaae, SNAIA Snaae, etc., with their respective RA, Dec, and magnitude.

Textual information including coordinates and error margins: BEO 02:22:44.06.9.3.1, 36.44N.20.29E, h0km, 1km, ML3.7/4 THE 02:22:44.09.8, 36.95N.20.61E, h1km, 2km, ML3.2/9, Error ellipse: s-maj=3.7km s-min=1.0km az=225.0...

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time Res, ISC, and various station identifiers. Includes stations like VLS, Valsamata, DMLN, DMLN, RLS, RLS, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time Res, ISC, and various station identifiers. Includes stations like IVAS, Ivanjica, DIVS, Divibare, DEVS, Tekeris, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time Res, ISC, and various station identifiers. Includes stations like HPO, Honuapo, HTC, Hot Cakes, KHU, Kahuku, etc.

2d 23h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like QSPA, SNAA, HOS32, HOS31, HOS33, PETK, NVAR, MKAR, BVAR, ARCES, FINES, NB2, NOA, HFS, AKASG, MMAI, BRTR, TORO.

THE 02 23:04:02.9, 38.77N-27.80E, h1km, 1km, ML3.7/8, Error ellipse: s-maj=1.4km s-min=0.7km az=60.0

AFAD 02 23:04:03.1-0.0, 38.78N-27.78E, h7km, 2km, MW3.6

ISC 02 23:04:01.0, 38.79N-27.78E, h0.8km, 6km, N127, c0671167, mb3.4/3, 10C-10D, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AKS, GOMA, ZEDA, STEP, MANT, BLOC, DKL, KULA, KIRA, CAND, FOCM, BUHA, BKES, USAK, GMLD, SIMA, EAGS, SMAA, LESV, URLA, DST, KARB, ESEN, ZZEY, GCAM, CESE, GONE, PRK, MKAR, BVAR, ARCES, FINES, NB2, NOA, HFS, AKASG, MMAI, BRTR, TORO, USAK, GMLD, SIMA, EAGS, SMAA, LESV, URLA, DST, KARB, ESEN, ZZEY, GCAM, CESE, GONE, PRK, MKAR, BVAR, ARCES, FINES, NB2, NOA, HFS, AKASG, MMAI, BRTR, TORO.

2018 APR

Table with columns: SMG, AML, AML, 23 04 51.0, 23 04 25.9 -2.2, 23 04 28.0 -0.2, 23 04 47.0 +0.8, 23 04 50.0, 23 04 50.0, 23 04 50.6 -0.3, 23 04 50.6 +2.6, 23 04 50.0, 23 04 28.7 -0.4, 23 04 48.9 +0.5, 23 04 29.1 +0.1, 23 04 46.6 -1.2, 23 04 59.7, 23 04 56.9, 23 04 29.7 +0.2, 23 04 29.9 -0.4, 23 04 29.5 -0.2, 23 04 30.0 +0.1, 23 04 30.8 -0.6, 23 04 29.7 +0.3, 23 04 29.9 -0.3, 23 04 50.5 +0.4, 23 04 30.8 +0.1, 23 04 30.6 -0.1, 23 04 30.3 -0.4, 23 04 32.1 +0.2, 23 04 30.5 -0.5, 23 04 52.4 +0.5, 23 04 30.6 +0.5, 23 04 49.8 -1.6, 23 04 56.6, 23 04 30.8 -0.3, 23 04 31.1 -0.3, 23 04 32.0 +0.3, 23 04 32.7 +0.3, 23 04 33.6 -0.1, 23 04 54.5 -1.5, 23 04 34.5 +0.6, 23 04 33.0 -0.9, 23 04 42.5 +1.0, 23 04 33.9 0.0, 23 04 34.5 +0.3, 23 04 34.7 +0.4, 23 04 34.3 -0.4, 23 04 35.6 -0.1, 23 04 36.2 -0.4, 23 04 36.8 +0.1, 23 04 36.8 0.0, 23 04 37.5 +0.4, 23 04 37.5 0.0, 23 04 03.9 -0.6, 23 04 37.5 +0.1, 23 04 37.9 +0.2, 23 04 39.1 +1.0, 23 04 38.4 +0.3, 23 04 39.3 +1.0, 23 04 38.9 +0.2, 23 04 39.3 +0.3, 23 04 40.0 +0.2, 23 04 40.2 +0.2, 23 04 40.9 +0.5, 23 04 41.2 0.0, 23 05 11.2 +1.6, 23 04 41.2 0.0, 23 05 09.4 -0.2, 23 05 19.0, 23 05 22.3, 23 04 41.9 +0.5, 23 05 12.2 -1.5, 23 04 41.9 +0.3, 23 04 42.8 -0.1, 23 05 12.9 +0.3, 23 04 42.7 -0.2, 23 05 22.9 +0.3, 23 05 22.9 +0.4, 23 04 42.9 -0.8, 23 04 42.9 -0.9, 23 04 44.0 +0.1, 23 04 43.9 0.0, 23 05 16.4 -1.9, 23 05 27.7, 23 05 29.9, 23 04 50.0 +0.3, 23 04 52.6 -0.4, 23 05 07.2 +0.2, 23 05 55.6 -0.9, 23 06 18.1, 23 05 10.1 +0.3, 23 06 03.0 +1.9, 23 05 15.0 +1.3, 23 06 06.4 -1.5, 23 06 34.3, 23 07 31.1, 23 05 20.1 -0.6, 23 05 23.5 +0.7, 23 06 25.0 +0.7, 23 05 27.9 +0.1, 23 05 38.1 -0.2, 23 05 37.5 0.0, 23 05 38.3 +0.2, 23 05 41.1 +0.4, 23 05 46.9 +3.2, 23 07 46.5, 23 08 57.6, 23 05 47.2 +1.3, 23 05 47.5 +0.9, 23 05 48.8 +1.0, 23 05 48.3 +0.9, 23 05 49.6 +1.7, 23 05 49.7 0.0, 23 05 52.1 +1.0, 23 05 54.3 +0.5, 23 05 56.9 +0.6, 23 06 05.0 -0.9, 23 06 37.7 -1.1, 23 11 50.8, 23 12 53.8, 23 12 48.3.

132

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VRAC, FINES, HFS, NOA, TORO, MKAR.

IDC 02 23:18:03.5-4.5, 12.45N-93.49E, h0km, mb3.4/2, mbmp3.5/7, ML4.1/1, Error ellipse: s-maj=90.5km s-min=35.1km az=103.0

ISC 02 23:18:10.3-1.8, 13.14N-93.53E, h79km, 12km, ML3.5, MW3.8

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DGPR, PBA, CMAR, BELO, VIS, GTR, ASAR, MJAR, H1N1, H1N2, H1N3, KSR5, WRA, ASAR, ZALV, MKAR, KURBE, ILAR, BVAR, FINES, UPA, CATAC, MOS, NEIC, BRTR, STIP, ICOR, TIRR, TPGR, CRF, TLR, MLR, MLR, MLR, SPBR, VLDR, PLOP, VRI, COVR, HERR, TURR, GZR, TESR, MMAI, EIL, AKASG, KBZ, GNI.

IDC 02 23:22:12.6-1.3, 20.82N-146.25E, h0km, mb3.6/9, mbmp3.6/10, ML2.9/1, Error ellipse: s-maj=45.7km s-min=22.2km az=84.0

ISC 02 23:22:17.7-1.3, 20.82N-146.30E, h34km, 1m3, c067110, mb3.6/9, Mariana Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MJAR, H1N1, H1N2, H1N3, KSR5, WRA, ASAR, ZALV, MKAR, KURBE, ILAR, BVAR, FINES.

UPA 02 23:23:15.1-1.6, 13.33N-88.78W, h10km, 292km, MW6.1

CATAC 02 23:23:16.0-0.3, 12.97N-88.90W, h26km, 2km, ML6.1

MOS 02 23:23:16.5-1.1, 13.17N-88.62W, h65km, mb5.8/48, MS5.4/22, Error ellipse: s-maj=7.8km s-min=5.0km az=103.7

IDC 02 23:23:16.5-0.4, 13.30N-88.31W, h54km, 2km, mb4.9/28, mbmp5.1/29, MS5.4/51, Error ellipse: s-maj=11.8km s-min=6.9km az=58.0

NEIC 02 23:23:17.2-2.7, 13.11N-88.68W, h0.05, h50km, 1km, Mb5.6/987, Ms 20.5/4759, Mw5.9/66, Mw5.9/48, Mw5.9/61, Error ellipse: s-maj=10.2km s-min=6.8km az=221.0, Moment Tensor Solution. Moment tensor: Scale 107Nm; Mr=8.57; Ms=2.85; Mw=7.2; Mw=3.49; Mw=3.97; Mw=1.81; Fault plane solution: Azm1000000; NP2: Ph1.165; 120000; 334.770000; -1.72.600000; NP2: Ph3.14.240000; 857.030000; -1.101.730000. Principal axes: T 9.2045, P1g11.00000, Azm53.00000; N 0.3806, P1g10.00000, Azm321.00000; P -9.5852, P1g75.00000, Azm191.00000; Moment Tensor Solution. Moment tensor: Scale 1018 Nm; Mr=0.12; Ms=0.04; Mw=0.16; Mw=0.77; Mw=0.05; Mw=0.62; Fault plane solution: Ms1.00000x1018 NP1: Ph3.134.00000; 889.000000; 782.000000; NP2: Ph3.3700000; 18.000000; 172.000000. Principal axes: T 8.7400, P1g85.00000, Azm36.00000; N 0.7840, P1g8.00000, Azm135.00000; P -9.5200, P1g43.00000, Azm232.00000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-ratio function

NEIC 02 23:23:17.7-0.1, 13.11N-88.68W, h0km, Moment Tensor Solution. Scale 1017Nm; Duration: 2s; Moment tensor: Scale 1017Nm; Mr=0.04; Ms=1.27; Mw=1.23; Mw=0.00; Mw=0.35; Mw=0.76; Mw=0.43; Mw=0.62; Best double couple: Mw=13000x1017 NP1: Ph3.134.00000; 889.000000; 782.000000; NP2: Ph3.3700000; 18.000000; 172.000000. Principal axes: T 8.7400, P1g85.00000, Azm36.00000; N 0.7840, P1g8.00000, Azm135.00000; P -9.5200, P1g43.00000, Azm232.00000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-ratio function

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BRTR, STIP, ICOR, TIRR, TPGR, CRF, TLR, MLR, MLR, MLR, SPBR, VLDR, PLOP, VRI, COVR, HERR, TURR, GZR, TESR, MMAI, EIL, AKASG, KBZ, GNI.

NP2 @ 176.00000° S, 67.00000° W, -46.00000°
NEIC 02:23:23.18, 13.03N-88.73W, h48km
NEIC 02:23:23.18, 13.03N-88.73W, h48km
UCR 02:23:23.19.2.2.5, 12.98N-88.78W, h43km, 294km, MW5.7,
M8.4.9(NEIC)
CGC 02:23:23.35.8.0.5, 14.17N-89.75W, h72km, 40km, MD5.3
ISC 02:23:23.16.9.0.3, 13.05N-0.02-88.80W-0.02, h61km, 1.3km,
h61km; p-P, n2239, e1879/2262, mb5.6/567, 42C-87D, EI

comp=Z,120um,1.0s
AI O del Volca
2.03 105 // P Sn Pn 23 23 49.5 +0.7
23 24 14.9 +1.8
23 24 22.5
comp=Z,100um,1.0s
Geotermica Pol
2.03 103 // P Sn Pn 23 23 49.1 +0.2
23 24 14.4 +1.2
23 24 22.6

SBEN comp=Z,46um,1.0s IAML 23 24 44.7
RB213 Mirador 2 Voic 2.77 112 // P Pn 23 23 57.1 -1.9
23 24 40.8
comp=Z,70um,1.0s
MASN Masaya 2.79 112 // P Pn 23 23 59.9 +0.7
23 24 33.2 +1.4
23 24 40.0

Salvador
Code Station Name Δ° AZ° Phase ID ISC Time Res
h s ISC
TECO Centro de Oper 0.48 2 // P Pn 23 23 29.9 +1.0
23 23 39.5 +2.0
23 23 40.8
TECO Centro de Oper 0.57 352 eP Pn 23 23 30.9 +0.9
COEG Centro de Oper 0.57 352 // P Pn 23 23 30.8 +0.9
23 23 41.6 +2.3
23 23 44.9

ROCN Rota Cerro Neg 2.07 105 // P Sn Pn 23 23 49.8 +0.4
23 24 16.8 +2.7
23 24 32.1
comp=Z,61um,1.0s
CNGA AI SSO del Vol 2.12 105 // P Sn Pn 23 23 50.3 +0.3
23 24 18.0 +2.7
23 24 27.5

SULM San Roquez, 2.97 295 eP Pn 23 24 03.1 +1.5
NADN Granada 2.99 115 // P Pn 23 24 02.1 +0.1
23 24 38.2 +1.5
23 24 53.8

UESV Universidad de 0.58 1 // P Pn 23 23 31.2 +2.9
23 23 42.3 +1.2
23 23 44.9
comp=Z,940um,1.0s
SJTJE Alcalda de S 0.60 340 // P Pn 23 23 30.8 +0.6
23 23 41.4 +1.6
23 23 44.1

CNGN Cerro Negro 2.12 105 // P Sn Pn 23 23 49.1 -1.0
23 23 50.9 +0.8
23 24 15.2 -0.1
CNGN Cerro Negro 2.12 105 // P Sn Pn 23 23 49.3 -0.8
23 24 17.9 +2.6
23 24 26.7

BOAB BOACO BROADBAN 11 101 P Pn 23 24 04.1 +0.5
BOAB BOACO BROADBAN 11 101 // P Pn 23 24 03.8 +0.2
BOAB BOACO BROADBAN 11 101 // P Pn 23 24 03.8 +0.2
BOAB BOACO BROADBAN 11 101 // P Pn 23 24 44.7 +5.1
23 24 52.2

POSS Presa 15 de Se 0.62 22 // P Pn 23 23 31.9 +1.6
23 23 43.3 +3.3
23 23 47.9
comp=Z,480um,1.0s
PACA Pacayal 0.62 48 // P Pn 23 23 32.0 +1.5
23 23 44.2 +3.9
23 23 48.5

NBG Las Nubes 2.15 316 eP Pn 23 23 53.1 +2.5
MACN El Madrono 2.15 105 // P Pn 23 23 53.5 0.0
23 24 32.7
comp=Z,40um,1.0s
GUNB GUNB 2.15 316 // P Pn 23 23 51.2 +0.4
23 24 17.5 +1.0
23 24 48.3

MORN AI O del Volca 3.42 116 // P Pn 23 24 08.5 +0.7
23 24 54.8
comp=Z,46um,1.0s
CONN Concepcion 3.43 115 // P Pn 23 24 07.9 -0.1
23 25 00.2

RANC El Ranchito 0.62 52 // P Pn 23 23 32.0 +1.5
23 23 43.5 +3.1
23 23 47.3
comp=Z,350um,1.0s
SCLA Alcaldia de Sa 0.65 6 // P Pn 23 23 32.4 +1.6
23 23 44.8 +4.0
23 23 51.7

MRL Marmol 2.20 337 eP Pn 23 23 54.1 +2.8
23 23 53.7 +2.2
23 23 51.1 -0.3
PCVG Pacaya 2.21 307 eP Pn 23 23 54.7 +2.9
23 24 36.5
LEVN Ruinas Leon Vi 2.22 107 // P Sn Pn 23 23 53.8 +1.4
23 24 16.8 +2.7
23 24 32.1

MORN AI O del Volca 3.42 116 // P Pn 23 24 08.5 +0.7
23 24 54.8
comp=Z,225um,1.0s
HUEH Huchupatengo 3.46 311 eP Pn 23 24 10.1 +1.5
ACON Acoyapa 3.70 107 P Pn 23 24 12.1 +0.5
ACON Acoyapa 3.70 107 P Pn 23 24 11.9 +0.3
HZTE Horizontes, Gu 3.90 126 P Pn 23 24 15.3 +0.9
HZTE Horizontes, Gu 3.90 126 eP Pn 23 24 16.5 +2.2

LALI Alcalda de L 0.67 311 eP Pn 23 23 30.9 -0.1
23 23 40.9 -0.1
23 23 40.9
LALI Alcalda de L 0.67 311 // P Pn 23 23 30.9 -0.1
23 23 40.9 -0.1
23 23 40.9

BC84 Volcan Momotom 2.29 106 // P Pn 23 23 52.8 +0.4
23 24 20.9 +1.3
23 24 30.5
BC84 Marmol 2.20 337 eP Pn 23 23 54.1 +2.8
23 23 53.7 +2.2
23 23 51.1 -0.3

STG3 Santiagoito 3, 3.16 302 eP Pn 23 24 06.3 +1.9
RTAL Retalhuleu 3.17 298 Pn Pn 23 24 05.2 +0.7
RTAL Retalhuleu 3.17 298 // P Pn 23 24 04.8 +0.3
RTAL Retalhuleu 3.17 298 // P Pn 23 24 42.2 +1.0
23 25 13.7

PANCS Alcalda de 0.67 326 // P Pn 23 23 30.9 -0.1
23 23 41.5 +0.2
23 23 43.9
comp=Z,650um,1.0s
PAVA Las Pavas 0.67 348 // P Pn 23 23 32.3 +1.2
23 23 53.3
comp=Z,130um,1.0s
LOMA Loma Larga 0.69 328 // P Pn 23 23 31.6 +0.3
23 23 43.2 +1.3
23 23 45.9

BC86 Nagarote 2.31 109 // P Pn 23 23 52.1 -0.6
23 24 20.5 +0.5
23 24 33.3
comp=Z,110um,1.0s
COPN Copaltepe 2.32 112 // P Pn 23 23 52.6 -0.2
23 24 30.1
comp=Z,51um,1.0s
MOM2 El Cardon 2.34 105 // P Pn 23 23 53.5 +0.5
23 24 33.3

MORN AI O del Volca 3.42 116 // P Pn 23 24 08.5 +0.7
23 24 54.8
comp=Z,225um,1.0s
HUEH Huchupatengo 3.46 311 eP Pn 23 24 10.1 +1.5
ACON Acoyapa 3.70 107 P Pn 23 24 12.1 +0.5
ACON Acoyapa 3.70 107 P Pn 23 24 11.9 +0.3

UDBS Universidad Do 0.75 332 // P Pn 23 23 32.5 +0.6
23 23 44.8 +1.9
23 23 48.3
comp=Z,570um,1.0s
IGN Direccin Gen 0.75 331 // P Pn 23 23 32.6 +0.6
23 23 44.8 +1.4
23 23 47.9

GUMI Mixco 2.36 312 // P Pn 23 23 55.1 +1.5
23 24 14.2
comp=Z,64um,1.0s
LIMN Finca el Limon 2.37 89 // P Pn 23 23 54.7 +1.2
23 24 25.1 +3.6
23 24 33.8

JTS Las Juntas de 4.66 126 P Pn 23 24 25.5 +0.7
comp=Z,366nm,0.3s,baz=313,slow=14,SNR=97
S 23 25 19.1 +1.5
comp=Z,870nm,0.3s,baz=296,slow=19,SNR=1.4
JTS Las Juntas de 4.66 126 // P Pn 23 24 26.6 +1.8
JTS Las Juntas de 4.66 126 // P Pn 23 24 27.3 +0.0

UTEV Universidad Te 0.76 329 // P Pn 23 23 32.4 +0.4
23 23 44.4 +1.3
23 23 45.6
comp=Z,450um,1.0s
SNET Serv Nac Est T 0.76 326 Pn Pn 23 23 32.4 +0.3
23 23 43.7 +0.5
23 23 44.8 +1.6

BRAN Las Pilas 2.41 98 // P Pn 23 23 56.3 +2.3
23 24 27.4 +5.1
23 24 33.4
FUG Fuego 3 2.43 305 eP Pn 23 23 56.0 +1.6
23 23 55.1 0.0
23 24 27.1 +2.7

JTS Las Juntas de 4.66 126 P Pn 23 24 25.5 +0.7
comp=Z,366nm,0.3s,baz=313,slow=14,SNR=97
S 23 25 19.1 +1.5
comp=Z,870nm,0.3s,baz=296,slow=19,SNR=1.4
JTS Las Juntas de 4.66 126 // P Pn 23 24 26.6 +1.8
JTS Las Juntas de 4.66 126 // P Pn 23 24 27.3 +0.0

SEMO Seminario San 0.77 327 // P Pn 23 23 32.6 +0.4
23 23 44.3 +0.9
23 23 45.8
comp=Z,940um,1.0s
UEES Universidad Ev 0.79 327 // P Pn 23 23 32.9 +0.4
23 23 44.9 +1.1
23 23 46.0

APYV Apoyeque 2.52 108 // P Pn 23 23 55.7 +0.2
23 24 39.0
comp=Z,17um,1.0s
APG El Apazole 2.53 320 P Pn 23 23 57.3 +1.5
23 24 38.7 +1.3
23 24 56.4

JTS Las Juntas de 4.66 126 P Pn 23 24 25.5 +0.7
comp=Z,366nm,0.3s,baz=313,slow=14,SNR=97
S 23 25 19.1 +1.5
comp=Z,870nm,0.3s,baz=296,slow=19,SNR=1.4
JTS Las Juntas de 4.66 126 // P Pn 23 24 26.6 +1.8
JTS Las Juntas de 4.66 126 // P Pn 23 24 27.3 +0.0

PMON Piamonte 0.83 323 // P Pn 23 23 33.3 +0.3
23 23 46.5 +1.8
23 24 01.4
comp=Z,280um,1.0s
JAYA Jayaque - finc 0.88 314 eP Pn 23 23 33.9 +0.3
23 23 33.4 -0.2
23 23 47.5

REB4 Centro civico 2.61 110 // P Pn 23 23 56.7 0.0
23 24 41.5
comp=Z,71um,1.0s
ALLN Telcor Managua 2.62 110 // P Pn 23 23 57.2 +0.4
23 24 29.1 +1.6
23 24 39.4

JTS Las Juntas de 4.66 126 P Pn 23 24 25.5 +0.7
comp=Z,366nm,0.3s,baz=313,slow=14,SNR=97
S 23 25 19.1 +1.5
comp=Z,870nm,0.3s,baz=296,slow=19,SNR=1.4
JTS Las Juntas de 4.66 126 // P Pn 23 24 26.6 +1.8
JTS Las Juntas de 4.66 126 // P Pn 23 24 27.3 +0.0

Table with columns for station call letters, name, frequency, and other details. Includes stations like SVQZ, PCAYA, REPA, VTLV, CVTV, etc.

Table with columns for station call letters, name, frequency, and other details. Includes stations like TULM, ROSC, ROSC, ROSC, etc.

Table with columns for station call letters, name, frequency, and other details. Includes stations like BAUV, BAUV, FW13, Y49A, GOGA, etc.





2d 23h

Table with columns for call sign, frequency, mode, and other details. Includes entries like BGNE Belgrade, ALLY Alegheny Coile, AAM Ann Arbor, etc.

2018 APR

Table with columns for call sign, frequency, mode, and other details. Includes entries like IRM, NEE2 Needles Airpor, NEE2, GLMI Grayling, etc.

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Table with columns for call sign, frequency, mode, and other details. Includes entries like F36A Milaca, MURC Murrieta, MURC, TCRU Three Creeks R, etc.

Table with columns for station call letters, frequency, mode, and signal strength. Includes stations like R11B, DW2A, H327, EYMN, etc.

Table with columns for station call letters, frequency, mode, and signal strength. Includes stations like LKWT, MDPB, MDP, PB16, YFT, F63A, LAO, etc.

Table with columns for station call letters, frequency, mode, and signal strength. Includes stations like PTLB, PTLB, KMRM, BBSB, K04D, YBH, J05D, J05D, L04D, AF01, etc.

2d 23h

Table of 2d 23h flight data including columns for call sign, destination, departure time, aircraft, status, and agent.

2018 APR

Main table of 2018 APR flight data with columns for call sign, destination, departure time, aircraft, status, and agent.

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Table of 138 flight data entries, including call signs, destinations, and various flight details.



2d 23h

Table with columns for station ID, name, frequency, and signal strength. Includes stations like Eielson Array, Kodiak Island, and various mountain peaks.

2018 APR

Table with columns for station ID, name, frequency, and signal strength. Includes stations like Oil Pt, Cape Douglas, and various mountain peaks.

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Table with columns for station ID, name, frequency, and signal strength. Includes stations like Pamatai, Papee, and various mountain peaks.

2018 APR

Table with columns: Call Sign, Name, Power, Frequency, Azimuth, Elevation, SNR, etc. Rows include: J18K Innoko River, D22K Ayikyak River, XMAS Kiriritimati, N16K Nishlik Lake, E21K Killik River, GCSA Galena City Sc, H19K Roundabout Mou, M16K Timber Creek, K17K Iltidarou, F20K Avararait Lake, O15K Ungalikhiuk R, B22K Teshekpuk Lake, G19K Purcell Mounta, C21K Knifeflake Rid, L16K Owhat River, N15K Kwethluk River, B21K Ikpikpuk River, E20K Nigu River, H18K Honhosa River, E19K Redstone River, F19K Shalercukik Mo, M15K Kasigluk River, S12K Black Hills, O14K Tigyukauiv M, D20K Etivluk River, G18K Tagagawik, A22K Sinclair Lake, N14K Kusokwak Cree, J16K Anvik River, D19K Kuna River, D19K Kuna River, D19K Kuna River, I17K Unalakeet, I17K Unalakeet.

Table with columns: Call Sign, Name, Power, Frequency, Azimuth, Elevation, SNR, etc. Rows include: B20K Meade River, B20K Mesad River, M14K Bethel, M14K Bethel, K15K Wolf Creek Mou, K15K Wolf Creek Mou, F18K Selawik, F18K False Pass, A21K Barrow, A21K Barrow, G17K Kwalli Mounta, L14K Kukka Creek, L14K Kukka Creek, C19K Lookout Ridge, C19K Lookout Ridge, E18K Tukpahlearik C, E18K Tukpahlearik C, M13K Dal Lake, M13K Dal Lake, F17K Baldwin Pennin, F17K Baldwin Pennin, H16K Elm, H16K Elm, G16K Koyuk River, G16K Koyuk River, E17K Hotham Inlet, E17K Hotham Inlet, J14K Nanvaranak Lak, J14K Nanvaranak Lak, J14K Nanvaranak Lak, C18K Utukok River, C18K Utukok River, DBG Daneborg, DBG Daneborg, A19K Wainwright, A19K Wainwright, B18K Kokolik River, B18K Kokolik River, G15K Niukluk, G15K Niukluk, RDOG Red Dog Mine, RDOG Red Dog Mine, D17K Noatak River, D17K Noatak River, C17K DeLong Mountai, C17K DeLong Mountai, UNV Unalaska Valle, UNV Unalaska Valle, F15K North Star Dit, F15K North Star Dit, M11K Mekoryuk, M11K Mekoryuk, ANM Nome, ANM Nome, C16K Lisburne Hills, C16K Lisburne Hills, F14K Arctic Creek, F14K Arctic Creek, TNA Tin City, TNA Tin City, PACT Alcohete, PACT Alcohete, PVFI Vila Bisbo, PVFI Vila Bisbo, PCAS Casmiilo, PCAS Casmiilo, PCAS Casmiilo, PGOV Sao Teononio, PGOV Sao Teononio, PGOV Gaveiria, PGOV Gaveiria, PGOV Gaveiria, PGOV Gaveiria, PGOV Gaveiria.

Table with columns: Call Sign, Name, Power, Frequency, Azimuth, Elevation, SNR, etc. Rows include: COI Coimbra, COI Coimbra, COI Coimbra, MORF Marleiete, MORF Marleiete, MORF Marleiete, MORF Marleiete, PNCL Nicolau / Gran, PNCL Nicolau / Gran, JMJC Mont Jargil, PMTG Montejaril, MESJ Messejana, MESJ Messejana, PVIS Visue, POLO Lamas de Olo, POLO Evora, EVO Evora, EVO Vila Real, PVRL Castro Verde, PCVE Castro Verde, PBEJ Beja, PBEJ Barranco-do-Ve, MTE Manteigas, MTE Manteigas, PESTR Estremoz, PESTR Estremoz, PCBR Castelo Branco, PCBR Vaqueiros, PVAQ Vaqueiros, PVAQ Vaqueiros, PMRV Marv???, PMRV Marv???, GAMB Gambell, GAMB Gambell, MVO Moncorvo, MVO Moncorvo, PBRG Braganca, PBRG Braganca, PBAR Barrancos, PBAR Barrancos, AVE Averoeres, AVE Averoeres, RAR Rarotongaa, RAR Rarotongaa, PAB San Pablo, PAB San Pablo, ESDC Seneca Array, ESDC Seneca Array, ESDC Seneca Array, GSTR Great Sitkin T, GSTR Great Sitkin T, MIDT Midlett, MIDT Midlett, ADK Adak, ADK Adak, KBS Kingsbay, KBS Kingsbay, KBS Kingsbay, PMSA Palmer Station, PMSA Palmer Station, SPB4 Spitsbergen Ar, SPB4 Spitsbergen Ar, SPA3 Spitsbergen Ar, SPA3 Spitsbergen Ar, SPB5 Spitsbergen Ar, SPB5 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPITS Spitsbergen Ar, SPITS Spitsbergen Ar, SPA2 Spitsbergen Ar, SPA2 Spitsbergen Ar, SPB1 Spitsbergen Ar, SPB1 Spitsbergen Ar, SPB2 Spitsbergen Ar, SPB2 Spitsbergen Ar, CART Cartagena, CART Cartagena, HSPB Hornsund, HSPB Hornsund, CLF Chambon-Foret, CLF Chambon-Foret, AKN Aaknes, AKN Aaknes, CEST Esterri de Car, CEST Esterri de Car, ODD1 Odda, ODD1 Odda.

2d 23h

Table of flight data for the left column, including columns for airline, flight number, time, status, and other metrics.

2018 APR

Table of flight data for the middle column, including columns for airline, flight number, time, status, and other metrics.

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Table of flight data for the right column, including columns for airline, flight number, time, status, and other metrics.







Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and data rows for stations like CEVE, CNCH, UNIC, NUBE.

NEIC 02:23:39:54.9, 1.6, 55.86N, 0.06:150.1W, 0.1, h5km, 5km, mB4.1/2, ML3.9/52, ML3.9(AEIC), Error ellipse: s-maj=9.9km s-min=7.1km az=142.0

IDC 02:23:39:56.6, 1.4, 55.93N, 149.96W, h0km, mB3.7/6, mbmp3.8/11, ML3.9/5, Error ellipse: s-maj=26.5km s-min=18.8km az=18.0

AEIC 02:23:39:59.1, 1.5, 55.88N, 0.08:149.99W, 0.08, h12km, 6km, Error ellipse: s-maj=12.5km s-min=6.6km az=170.0

ISC 02:23:39:57.0, 0.8, 55.99N, 0.07:150.11W, 0.05, h10km, n31, az=98/327, mB3.9/6, Gulf of Alaska

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res, and data rows for stations like OHAK, KDKA, SII, Q20K, etc.

Main station list table with columns: Code, Station Name, Time, Res, and data rows for stations like RC01, FID, GLI, P16K, etc.

Main station list table with columns: Code, Station Name, Time, Res, and data rows for stations like HARP, PPLA, O28M, etc.

2d 23h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Paulatuk, Yellowknife RA, Sachs Harbour, Lajitas Array, WAKE ISLAND Hy, etc.

CATAC 02 23:40:53.2±0.3, 12.95N-88.86W, h34km±3km, mb4.1, ML3.9

ISC 02 23:40:53.4±1.4, 12.93N-0.05-88.88W±0.03, h34km±3km, m6.5, ±0.68/102, Off coast of central America

Main table of station data for the 2d 23h period, listing station codes, names, and various parameters.

2018 APR

Table of station data for the 2018 APR period, including station names like CEVE, SBLS, YKGA, A36M, TXAR, H1N2, etc.

CATAC 02 23:49:50.6±0.4, 12.91N-88.93W, h29km±4km, ML3.7

ISC 02 23:49:49.3±1.4, 12.93N-0.06-88.91W±0.04, h13km±10km, m5.3, ±0.66/67, Off coast of central America

Main table of station data for the 2018 APR period, listing station codes, names, and various parameters.

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Table of station data for the 146 period, including station names like UUES, PMON, BOQS, etc.

UPP 02 23:52:09.9±1.0, 69.01N-16.47E, h0km, ML2.0

NAO 02 23:52:09.5±1.6, 69.05N-16.19E, h12km±12km, ML1.9

ICD 02 23:52:10.7±2.1, 68.98N-16.71E, h0km, mbmp2.8/3, ML1.8/3, Error ellipse: s-maj=22.4km s-min=11.0km

HEL 02 23:52:11.3±0.1, 69.05N-16.16E, h31km, ML2.2

BER 02 23:52:11.9±2.6, 69.05N-16.16E, h15km±12km, ML1.7, ML1.9(NAO), Confirmed Earthquake

ISC 02 23:52:09.7±1.2, 69.00N-0.03-16.28E±0.03, h13km±9km, m6.4, ±0.59/101, Northern Norway

Main table of station data for the 146 period, listing station codes, names, and various parameters.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, I, S, C. Includes stations like HEF Hetta, STOK Stockvaagen, HARU Harads, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, I, S, C. Includes stations like CEDA, CNCH Conchagua, LLGN La Laguna, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, I, S, C. Includes stations like LALI, PACA Pacayal, RANC El Ranchito, etc.

IDC 03 00:00:46.9e1.9, 14'01N:87.95W, h0km, mb3.2/3, mbmp3.2/4, ML2.2/2, Error ellipse: s-maj=51.7km

CATAC 03 00:00:50.8a.0.4, 12'39N:88.83W, h33km, 4km, ML3.8

ISC 03 00:00:50.8a.1.2, 12'39N:0.07:88.85W:0.04, h53km, 11km, n48, e101/77, mb3.3/3, Off coast of central America

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, I, S, C. Includes stations like TECO, TECA, COEG, SJTE, UESV, LALI, LFRS, etc.

CATAC 03 00:08:08.8e.0.5, 12'92N:88'87W, h17km, 3km, ML3.4, Off coast of central America

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, I, S, C. Includes stations like ALJI, TECO, COEG, SJTE, LALI, etc.

CATAC 03 00:08:41.2e.0.5, 12'92N:88'88W, h14km, 3km, ML3.5

SNET 03 00:08:43.1e.0.3, 12'94N:88'89W, h33km, 4km, ML3.2

ISC 03 00:08:41.5e.1.5, 12'97N:0.06:88.86W:0.04, h13km, 9km, n22, e074/41, Off coast of central America

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, I, S, C. Includes stations like ALJI, TECO, COEG, SJTE, UESV, etc.

IDC 03 00:10:51.1e1.7, 36'35N:141'29E, h0km, mb3.7/6, mbmp3.7/8, ML3.2/2, Error ellipse: s-maj=31.7km

JMA 03 00:10:57.6e.0.1, 36'4N:0'3:141'10E:0.9, h46km, 1km, MV3.7/8, E OFF IBARAKI PREF

JMA Felt J1 at E OFF IBARAKI PREF

ISC 03 00:10:56.4e1.4, 36'41N:0'03:141'11E:0.06, h30km, 10km, n30, e087/31, mb3.6/6, 10D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, I, S, C. Includes stations like JHYU, JHO, JIHU, ONAJ, etc.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like LFRS El Faro, UESV Universidad de, LOMA Loma Larga, etc.

CATAC 03 00:38:35.4-0.7, 11:59N:87:77W, h30km, ML3.1, Near coast of Nicaragua. Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res.

IDC 03 00:39:48.5-5.7, 37:56N:71:44E, h121km, 31km, mb3.4/3, mbmp3.5/8, Error ellipse: s-maj=70.3km s-min=23.4km az=146.0. Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res.

CATAC 03 00:52:19.2-0.3, 12:92N:88:85W, h22km, 2km, mb4.4, ML4.1. Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res.

Main station list table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like UESV Universidad de, LALI Alcaldia de L, LFRS El Faro, etc.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like NBG Las Nubes, MOMN Momotombo, COPN Copaltepe, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like GCSZ Gaunt Creek Bo, RPZ Rata Peaks, ARCZ Arundel, etc.

NEIC 03 01:05:14.9-1.2, 43:28S:0:04, 170:76E:0:04, h5km, 5km, mb4.6/6, Mwr4.3/42, Error ellipse: s-maj=6.9km s-min=3.4km az=148.0. Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like WVZ Waitaha Valley, WVAS Waitaha Valley, HAFS Harihar Fire, etc.



Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like AQUE, FLF1, AV21, BRUN, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like KURBE, ASAR, WRA, CATAC, NEIC, GCG, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like CRIN, TGUH, TGUH, TGUH, etc.







STATION	COMP	TIME	TYPE	STATUS	TIME	TYPE	STATUS	TIME	TYPE	STATUS	TIME	TYPE	STATUS
SUMG	comp=Z,17nm,0.8s												
NEEM	North Greenlan	61.10 348	i P	P	01 46 13.7	+0.7							
NEEM	comp=Z,14nm,0.7s		i P	I Amb	01 46 15.2								
ICESG	Greenland Lces	63.15 338	i P	P	01 46 27.6	+0.7							
ICESG	comp=Z,7.1nm,0.6s		i P	I Amb	01 46 29.3								
EUNU	Eureka	63.17 356	P	P	01 46 26.7	+0.2							
EUNU	comp=Z,6.2nm,1.1s		P	I Amb	01 46 30.8								
KULLO	Kullorsuaq	64.12 346	i P	P	01 46 33.4	+0.7							
KULLO	comp=Z,6.5nm,0.6s		i P	I Amb	01 46 34.4								
ANGG	Ammassalik, Gr	64.31 334	i P	P	01 46 35.2	+1.1							
ANGG	comp=Z,8.3nm,0.7s		i P	I Amb	01 46 36.1								
LSZ	Lusaka	64.81 225	P	P	01 46 38.0	-0.1							
LSZ	comp=Z,5.1nm,1.0s		P	I Amb	01 46 38.9								
LSZ	Lusaka	64.81 225	P	P	01 46 38.1	-0.1							
LSZ	comp=Z,5.0nm,1.0s		P	pmax									
TOAO	Torodi Ar. Sit	65.02 268	P	P	01 46 37.6	-1.9							
TORD	Torodi Ar. Bea	65.02 268	P	P	01 46 37.4	-2.2							
TORD	comp=Z,2.4nm,0.5s,baz=49,slow=6.4,SNR=63		P										
UPNV	Upernavik	65.16 345	i P	P	01 46 40.3	+0.8							
UPNV	comp=Z,8.0nm,0.6s		i P	I Amb	01 46 41.6								
DY2G	Dye2	66.71 337	i P	P	01 46 50.1	+0.3							
DY2G	comp=Z,13nm,0.6s		i P	I Amb	01 46 52.2								
A19K	Wainwright	67.57 17	P	P	01 46 56.0	+1.1							
A21K	Barrow	67.70 15	P	P	01 46 56.3	+0.6							
SFJD	Kangerlussuaq	67.71 339	i P	P	01 46 56.0	+0.2							
SFJD	comp=Z,2.9nm,0.7s		i P	I Amb	01 46 58.1								
C16K	Lisburne Hills	67.89 19	P	P	01 46 58.1	+1.2							
C16K	Lisburne Hills	67.89 19	P	P	01 46 59.0	+1.3							
B18K	Kokolik River	68.02 18	P	P	01 47 00.4	+1.0							
A22K	Sinclair Lake	68.28 14	P	P	01 47 00.2	+0.5							
C17K	DeLong Mountai	68.32 19	P	P	01 47 02.4	+1.1							
SOE1	Soe	68.43 121	P	P	01 47 02.4	+1.1							
B20K	Meade River	68.60 16	I Amb	I Amb	01 47 03.4								
B20K	Meade River	68.60 16	P	P	01 47 01.6	+0.2							
RDOG	Red Dog Mine	68.69 19	P	P	01 47 02.8	+0.8							
C18K	Utukok River	68.69 18	I Amb	I Amb	01 47 03.7								
C18K	Utukok River	68.69 18	P	P	01 47 02.6	+0.6							
C19K	Lookout Ridge	68.74 17	I Amb	I Amb	01 47 04.6	+0.6							
C19K	Lookout Ridge	68.74 17	P	P	01 47 02.9	+0.6							
RES	Resolute Bay	68.87 356	P	P	01 47 03.9	+1.0							
RES	Resolute Bay	68.87 356	P	P	01 47 03.9	+1.0							
RES	comp=Z,3.0nm,1.0s			pmax									
D17K	Noatak River	68.90 19	P	P	01 47 03.6	+0.4							
GAMB	Gambell	68.95 25	P	P	01 47 04.6	+0.8							
TNA	Tin City	69.02 22	P	P	01 47 05.0	+1.0							
B22K	Teshkepuk Lake	69.13 14	P	P	01 47 05.4	+0.8							
B21K	Ikpikpuk River	69.46 15	P	P	01 47 07.2	+0.5							
D19K	Kuna River	69.55 17	I Amb	I Amb	01 47 09.0								
D19K	Kuna River	69.55 17	P	P	01 47 07.9	+0.6							
F14K	Arctic Creek	69.57 22	P	P	01 47 08.2	+0.8							
E17K	Hotham Inlet	69.69 19	P	P	01 47 09.0	+0.9							
D20K	Ettvuk River	69.73 16	P	P	01 47 09.5	+1.0							
E18K	Tukpahleark C	69.75 19	I Amb	I Amb	01 47 10.1								
E18K	Tukpahleark C	69.75 19	P	P	01 47 09.5	+1.0							
C21K	Knifblade Rid	69.79 16	P	P	01 47 10.0	+1.3							
F15K	North Star Dit	69.90 21	I Amb	I Amb	01 47 11.5								
F15K	North Star Dit	69.90 21	P	P	01 47 10.6	+1.1							
C23K	Itkillik River	70.10 14	P	P	01 47 11.9	+1.3							
E20K	Nigu River	70.19 17	P	P	01 47 12.7	+1.4							
F17K	Baldwin Pennin	70.31 19	I Amb	I Amb	01 47 13.9								
F17K	Baldwin Pennin	70.31 19	P	P	01 47 13.3	+1.4							
D22K	Ayikyak River	70.47 15	P	P	01 47 14.4	+1.5							
ANM	Nome	70.50 22	P	P	01 47 14.6	+1.5							
C24K	Franklin Bluff	70.56 13	P	P	01 47 15.0	+1.6							
E19K	Redstone River	70.57 18	P	P	01 47 14.7	+1.2							
G15K	Niukluk	70.59 21	P	P	01 47 14.8	+1.1							
F18K	Selawik	70.62 19	P	P	01 47 14.7	+0.9							
G16K	Koyuk River	70.79 21	P	P	01 47 16.1	+1.3							
D23K	Nanushuk River	70.81 14	P	P	01 47 15.9	+0.9							
F19K	Shalerruck Mo	70.92 18	P	P	01 47 16.4	+0.8							
D24K	Happy Valley	71.02 14	P	P	01 47 17.3	+1.1							
C26K	Camden Bay	71.07 12	P	P	01 47 16.6	+0.1							
G17K	Kiwalik Mounta	71.18 20	P	P	01 47 17.6	+0.4							
F20K	Avaraat Lake	71.25 17	P	P	01 47 18.6	+1.0							
E22K	Anaktuvuk Pass	71.26 15	P	P	01 47 18.6	+0.9							
TOLK	Toolik Lake Re	71.30 14	I Amb	I Amb	01 47 19.9								
TOLK	Toolik Lake Re	71.30 14	P	P	01 47 18.2	+0.2							
D25K	Kavik River	71.33 13	P	P	01 47 18.3	+0.1							
H16K	Elin	71.38 21	P	P	01 47 18.7	+0.3							
G18K	Tagagawik	71.42 19	P	P	01 47 19.3	+0.6							
A36M	Sachs Harbour	71.48 5	P	P	01 47 19.3	+0.4							
G19K	Purcell Mounta	71.63 18	I Amb	I Amb	01 47 21.4								
G19K	Purcell Mounta	71.63 18	P	P	01 47 20.4	+0.5							
F21K	Alatna River	71.64 16	P	P	01 47 20.6	+0.6							
F22K	John River	71.70 16	P	P	01 47 20.9	+0.6							
E23K	Chandalar	71.79 15	P	P	01 47 21.3	+0.3							
H17K	Granite Mounta	71.81 20	P	P	01 47 21.8	+0.7							
H18K	Hornhosa River	72.07 19	P	P	01 47 23.3	+0.7							
G21K	Allakaket	72.21 17	P	P	01 47 24.2	+0.8							
H19K	Roundabout Mou	72.28 19	P	P	01 47 24.4	+0.6							
D27M	Malcolm River	72.31 11	P	P	01 47 24.3	+0.3							
COLD	Coldfoot	72.36 15	P	P	01 47 24.8	+0.6							
J14K	Nanvaranak Lak	72.37 23	P	P	01 47 24.6	+0.3							
I17K	Unalakleet	72.39 21	P	P	01 47 24.8	+0.3							
E25K	Arctic Village	72.52 13	P	P	01 47 25.6	+0.4							
D28M	Stokes Point	72.57 10	P	P	01 47 26.2	+0.8							
F24K	Squaw Lake	72.59 14	P	P	01 47 25.7	0.0							
H20K	Anotleneega Mo	72.71 18	P	P	01 47 26.7	+0.3							
GCSA	Galena City Sc	72.79 19	P	P	01 47 28.1	+1.3							
G23K	Bananza Creek	72.84 16	P	P	01 47 27.5	+0.4							
J16K	Anvik River	72.87 21	I Amb	I Amb	01 47 29.9								
J16K	Anvik River	72.87 21	P	P	01 47 28.1	+0.7							
F25K	Christian River	72.97 14	P	P	01 47 28.5	+0.6							
H21K	Melozitna Riv	73.08 17	P	P	01 47 29.0	+0.4							
E28M	Babbage River	73.11 11	P	P	01 47 29.1	+0.4							
F26K	Sheenjek River	73.16 13	P	P	01 47 29.2	+0.2							
E27K	Coleen River	73.16 12	P	P	01 47 29.7	+0.7							
M11K	Melroyuk	73.20 26	P	P	01 47 29.4	+0.2							
H22K	Ishtalaita Cre	73.22 17	P	P	01 47 29.9	+0.5							
BMAR	Burnt Mountain	73.31 13	P	P	01 47 31.3	+1.4							

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Table with columns: FARO, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and various station identifiers. Includes stations like Faro, Yukon, Aishikhik Lake, etc.

Table with columns: CDAR, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and various station identifiers. Includes stations like Ciudad de Arme, Volcan de Coli, MNGA, etc.

Table with columns: MOOW, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and various station identifiers. Includes stations like Moose Ponds, Cathedral Cave, CCM, etc.

ADC 03:01:50:07.9.3.5.21.98N:108.62W, h0km, mb3.7/4, mbmp3.9, ML3.6/5, MS4.0/26, Error ellipse: s-maj=59.2km s-min=33.3km az=26.0

MEX 03:01:50:09.6.0.4.22:07N:108.39W, h16km, 16km, MD4.3 NEIC 03:01:50:10.2.2.1.22:07N:104.108.72W:0.08, h10km, 1km, mb4.3/140, MD4.3/31(MEX), Error ellipse: s-maj=13.3km s-min=6.3km az=284.0

ISC 03:01:50:09.6.0.7.22:15N:105.108:43W:0.06, h10km, n187, e283/123, mb4.3/35, MS4.0/22, Off coast of central Mexico

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and various station identifiers. Includes stations like Sierra La Lagu, Mazatlan, La Paz, etc.

Table with columns: X40A, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and various station identifiers. Includes stations like Basin Creek Fa, BSUT, Camp Tracy, etc.

Table with columns: F28M, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and various station identifiers. Includes stations like Filin Flon, SADO, BBB, etc.

ADC 03:01:53:54.0.0.8.6:02S:143:03E, h0km, mb4.0/9, mbmp4.0/11, ML1.5/1, Error ellipse: s-maj=35.6km s-min=18.4km az=68.0

ISC 03:01:53:56.1.0.8.6:21S:10:142.8E:0.1, h10km, n12, e152/14, mb4.0/9, New Guinea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and various station identifiers. Includes stations like Port Moresby, PMG, etc.



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

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like G23K, C23K, NEA2, etc.

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



3d 3h

S14K	Fog Glacier	5.37 277	P	Pn	03 47 38.1	-1.0
VNFG	Fog Glacier, M	5.37 277		Pn	03 47 38.1	-1.0
VNFG	Fog Glacier, M	5.37 277	IAML		03 48 50.7	
SPCP	Crater Peak R	5.38 349		Pn	03 47 39.4	0.0
BGLC	Spurr Capps Gl	5.40 349		Pn	03 47 39.7	+0.2
SPCG	Bering Glacier	5.42 38		Pn	03 47 39.7	0.0
BGLC	Bering Glacier	5.42 38	P	Pn	03 47 39.3	-0.4
KNK	Knik Glacier	5.46 8		Pn	03 47 39.8	-0.5
KNK	Knik Glacier	5.46 8	P	Pn	03 47 39.6	-0.8
SUA	Susitna One	5.47 356		Pn	03 47 39.4	-1.2
BERG	Berg Lake	5.49 34		Pn	03 47 41.2	0.4
SPNN	Gritlie Hills	5.53 37		Pn	03 47 41.2	-0.1
SPNN	North Nagishla	5.55 346		Pn	03 47 41.0	-0.6
DIV	Divide	5.57 21		Pn	03 47 41.6	-0.3
STLK	Strandline Lak	5.58 351		Pn	03 47 41.3	-0.7
PMR	Palmer	5.61 4	P	Pn	03 47 41.9	-0.3
PMR	Palmer	5.61 4		Pn	03 47 42.0	-0.2
PMR	Palmer	5.61 4	P	Pn	03 47 42.0	-0.2
CHNA	Chernabura Isl	5.61 262	P	Pn	03 47 41.1	-1.2
CHNA	Chernabura Isl	5.62 262		Pn	03 47 41.1	-1.3
N18K	Kilae Creek	5.62 329		Pn	03 47 42.1	-0.4
N18K	Kilae Creek	5.62 329	P	Pn	03 47 42.1	-0.4
SNH	Sunshine Point	5.62 39		Pn	03 47 42.4	-0.2
O16K	Kokwok River B	5.63 313		Pn	03 47 43.0	+0.4
O16K	Kokwok River B	5.63 313	P	Pn	03 47 43.0	+0.4
KHIT	Khitrov Hills	5.67 36		Pn	03 47 43.8	-0.5
CYK	Cape Yakataga	5.68 41		Pn	03 47 43.0	-0.3
BMRM	Bremner River	5.70 27		Pn	03 47 43.4	-0.2
BMRM	Bremner River	5.70 27	P	Pn	03 47 43.4	-0.2
GHO	Glory Hole Cre	5.79 5		Pn	03 47 45.0	+0.1
WAX	Waxell Ridge	5.81 37		Pn	03 47 44.8	-0.4
SML	Sawmill	5.87 8		Pn	03 47 45.6	-0.5
SML	Sawmill	5.87 8	P	Pn	03 47 45.9	+0.1
KLU	Klutina	5.88 19		Pn	03 47 46.1	+0.1
KLU	Klutina	5.88 19	P	Pn	03 47 45.9	-0.1
SVW2	Sparrevohn	5.88 332	P	Pn	03 47 45.4	-0.6
SVW2	Sparrevohn	5.88 332		Pn	03 47 45.7	-0.4
BARK	Barkley Ridge	5.90 39		Pn	03 47 45.9	-0.6
M23K	Glacier View	5.90 10		Pn	03 47 46.5	+0.1
M23K	Glacier View	5.90 10	P	Pn	03 47 46.5	+0.1
N17K	Nushagak Hills	5.91 323	Pn		03 47 46.5	0.0
N17K	Nushagak Hills	5.91 323	P	Pn	03 47 46.4	0.0
MESA	MESA	5.95 42		Pn	03 47 46.5	-0.7
MESA	MESA	5.95 42	P	Pn	03 47 46.8	-0.3
CRQM	Cirque	5.95 34		Pn	03 47 46.7	-0.5
CRQE	Cirque	5.96 34	P	Pn	03 47 46.7	-0.6
SCM	Sheep Creek Mo	5.99 12		Pn	03 47 47.8	+0.1
SCM	Sheep Creek Mo	5.99 12	P	Pn	03 47 47.7	+0.1
SDPT	Sand Point	5.99 268	P	Pn	03 47 48.0	+0.5
SDPT	Sand Point	5.99 268		Pn	03 47 47.4	-0.1
SKT	Skwentna	6.03 353		Pn	03 47 47.6	-0.6
SKT	Skwentna	6.03 353	P	Pn	03 47 48.0	-0.1
TGL	Tana Glacier	6.05 35		Pn	03 47 48.2	-0.3
ISLE	Juniper Island	6.10 38		Pn	03 47 48.9	-0.3
M20K	Styx River	6.10 346		Pn	03 47 48.3	-0.9
BAGL	Bagley Icefield	6.11 40		Pn	03 47 48.8	-0.3
O15K	Unghalikthiuk R	6.17 305		Pn	03 47 50.5	-0.4
VRDI	Verde Repeater	6.23 30	Pn		03 47 50.7	+0.3
M25K	Chitina, Valde	6.25 30		Pn	03 47 51.2	0.0
N25K	Chitina, Valde	6.25 24	P	Pn	03 47 51.3	0.0
M18K	Stony River	6.28 333	P	Pn	03 47 50.8	-0.6
M18K	Stony River	6.28 333	P	Pn	03 47 50.8	-0.6
GLB	Gilahina Butte	6.31 28	Pn		03 47 51.7	-0.2
KIAG	Kiagna River	6.33 36		Pn	03 47 51.9	-0.5
M19K	Big River Lodg	6.33 341		Pn	03 47 52.3	+0.1
SAMH	Samovar Hills	6.37 42		Pn	03 47 53.2	+0.3
GRNC	Granite Creek	6.39 39		Pn	03 47 52.9	-0.4
CUT	Chulitna	6.41 359		Pn	03 47 53.9	-0.6
M24K	Tolsona, Glenn	6.41 16		Pn	03 47 53.9	+0.6
M24K	Tolsona, Glenn	6.41 16	P	Pn	03 47 53.9	+0.6
TABL	Table Mountain	6.42 43		Pn	03 47 53.5	-0.2
M16K	Nishik Lake	6.45 317		Pn	03 47 54.4	-0.6
N16K	Nishik Lake	6.45 317	P	Pn	03 47 54.4	-0.6
MCARA	McCarthy VSAT	6.48 31		Pn	03 47 54.0	-0.2
MCARA	McCarthy VSAT	6.48 31	P	Pn	03 47 54.0	-0.2
PTPK	Patty Peak	6.49 34		Pn	03 47 54.5	-0.1
YKUZ	Yakatut	6.52 53		Pn	03 47 56.0	+1.2
WASW	Wrangell South	6.53 24		Pn	03 47 56.9	+0.3
WACK	Wrangell Chich	6.65 24		Pn	03 47 56.9	0.0
M17K	Holtina River	6.65 327		Pn	03 47 57.0	+0.4
M17K	Holtina River	6.65 327	P	Pn	03 47 57.0	+0.4
BARN	Barnard Glacie	6.66 37		Pn	03 47 56.8	-0.1
L19K	White Mountain	6.67 340		Pn	03 47 56.1	-0.8
WAT6	Susitna Watana	6.68 9		Pn	03 47 57.4	+0.3
WAT6	Susitna Watana	6.68 9	P	Pn	03 47 57.4	+0.3
PS1A	Pavlov South-1	6.69 270		Pn	03 47 56.9	-0.2
CTG	Chitina Glacier	6.70 39		Pn	03 47 57.1	-0.3
CTGM	Chitina Glacier	6.71 39		Pn	03 47 57.3	-0.2
PNL	Peninsula	6.72 53		Pn	03 47 57.5	0.0
PNL	Peninsula	6.72 53	P	Pn	03 47 57.5	0.0
PNL	Peninsula	6.72 53	P	Pn	03 47 57.5	0.0
PVV	Pavlov Volcano	6.72 269		Pn	03 47 57.0	-0.5
LOGN	Logan Glacier	6.73 41		Pn	03 47 57.6	-0.2
BCPM	Bancas Point	6.75 50		Pn	03 47 58.1	+0.1
L20K	Farewell, AK	6.78 344		Pn	03 47 59.0	+0.6
L20K	Farewell, AK	6.78 344	P	Pn	03 47 59.0	+0.6
N15K	Kwethluk River	6.79 312		Pn	03 47 59.4	+0.9
N15K	Kwethluk River	6.79 312	P	Pn	03 47 59.4	+0.9
S12K	Black Hills	6.82 272		Pn	03 47 58.6	-0.4
S12K	Black Hills	6.82 272	P	Pn	03 47 58.7	-0.4
PN7A	Pavlov North-7	6.83 270		Pn	03 47 59.0	-0.1
HARP	HAARP	6.85 19		Pn	03 48 00.0	+0.6
HARP	HAARP	6.85 19	P	Pn	03 48 00.0	+0.6
WAT7	Susitna Watana	6.86 4		Pn	03 47 59.9	+0.4
WAT1	Susitna Watana	6.87 5		Pn	03 47 59.7	+0.1
WAT1	Susitna Watana	6.87 5	P	Pn	03 47 60.0	+0.4
M16K	Timber Creek	6.88 320		Pn	03 48 00.2	+0.5
O14K	Tiguykaiuvet M	6.88 303		Pn	03 48 00.3	+0.6
O14K	Tiguykaiuvet M	6.88 303	P	Pn	03 47 59.8	+0.1
O28M	Mount Upton	7.00 43		Pn	03 48 01.2	-0.4
O28M	Mount Upton	7.00 43	P	Pn	03 48 01.6	-0.1
L18K	Granite Mounta	7.11 334		Pn	03 48 02.4	-0.6
DHY	Denali Highway	7.20 9	Pn		03 48 04.2	-0.1
DHY	Denali Highway	7.20 9	P	Pn	03 48 04.7	+0.5
M26K	Nabesna, AK	7.33 26		Pn	03 48 06.0	+0.1
M26K	Nabesna, AK	7.33 26	P	Pn	03 48 06.3	+0.4
M15K	Kasigluk River	7.33 314		Pn	03 48 06.4	+0.5
M15K	Kasigluk River	7.33 314	P	Pn	03 48 06.7	+0.8
PAX	Paxson	7.33 16		Pn	03 48 06.3	+0.2
PAX	Paxson	7.33 16	P	Pn	03 48 06.3	+0.2
N14K	Kuskokwak Cree	7.36 307		Pn	03 48 06.9	+0.6
N14K	Kuskokwak Cree	7.36 307	P	Pn	03 48 06.9	+0.6
O29M	Mount Kennedy	7.39 50		Pn	03 48 07.4	+0.5
O29M	Mount Kennedy	7.39 50	P	Pn	03 48 07.4	+0.5

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RND	Reindeer	7.43 4		Pn	03 48 07.9	+0.5
TRF	Thorofare Moun	7.46 359		Pn	03 48 07.3	-0.5
TRF	Thorofare Moun	7.46 359	P	Pn	03 48 08.1	+0.3
P29M	Windy Craggy	7.46 56		Pn	03 48 07.4	-0.3
P29M	Windy Craggy	7.46 56	P	Pn	03 48 07.4	-0.3
YUK2	White River	7.46 35		Pn	03 48 08.5	+0.7
L17K	Donlin	7.48 328		Pn	03 48 08.3	+0.3
L17K	Donlin	7.48 328	P	Pn	03 48 08.6	+0.6
YUK8	Steele Glacier	7.49 41		Pn	03 48 09.1	+0.8
YUK8	Steele Glacier	7.49 41	P	Pn	03 48 09.1	+0.8
CAST	Castle Rocks	7.50 353		Pn	03 48 08.6	+0.4
CAST	Castle Rocks	7.50 353	P	Pn	03 48 09.0	+0.8
L16K	Owhat River	7.54 323	Pn		03 48 08.8	+0.1
L16K	Owhat River	7.54 323	P	Pn	03 48 08.8	+0.1
K17H	Kantishna Hill	7.57 357		Pn	03 48 09.3	0.0
YUK3	Moose Creek	7.58 37		Pn	03 48 10.4	+0.9
YUK3	Moose Creek	7.58 37	P	Pn	03 48 10.4	+0.9
M27K	Edge Creek, AK	7.58 30		Pn	03 48 09.7	+0.2
M27K	Edge Creek, AK	7.58 30	P	Pn	03 48 09.7	+0.2
MENT	Mentasta	7.63 22		Pn	03 48 10.3	+0.3
K20K	Teilda	7.65 346		Pn	03 48 09.0	-1.3
YUK7	Dusty Glacier	7.69 49		Pn	03 48 09.3	-2.3
S31K	Pelican	7.75 70		Pn	03 48 12.6	+1.0
FALS	False Pass	7.75 267		Pn	03 48 12.6	+0.8
MCK	McKinley	7.75 3		Pn	03 48 12.6	+0.8
MCK	McKinley	7.75 3	P	Pn	03 48 12.6	+0.8
L26K	Haines Cabin Wild	7.78 23	Pn		03 48 12.9	+0.7
YUK6	Outpost Mounta	7.82 46		Pn	03 48 13.9	+1.0
YUK6	Outpost Mounta	7.82 46	P	Pn	03 48 13.9	+1.0
M14K	Bether	7.89 312	Pn		03 48 13.7	+0.2
M14K	Bether	7.89 312	P	Pn	03 48 14.6	+1.1
BVCY	Beaver Creek	7.92 32		Pn	03 48 15.1	+1.0
BVCY	Beaver Creek	7.92 32	P	Pn	03 48 15.1	+1.0
ISLJ	Isanotski Laza	7.94 266		Pn	03 48 14.0	-0.4
YUK4	Talbot Arm	7.94 43		Pn	03 48 16.7	+2.2
K17K	Iditarod	7.95 331		Pn	03 48 13.6	-0.8
ISNI	Isanotski Noll	7.95 267		Pn	03 48 14.3	0.2
P30M	Million Dollar	8.02 54		Pn	03 48 15.8	+0.4
P30M	Million Dollar	8.02 54	P</			





3d 4h

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like TBUM, SBVZ, IMOG, IKLH, JRKH, etc.

RSNC 03 04:17:36.2, 0.0, 7.1, 2.25, 1.1, 7.25, N, 0.02, 76.34W, 0.03, h12km, 7km, n40, r191/62, mb3.6/5, Northern Colombia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like DBBC, APAC, APAC, CBOC, etc.

NEIC 03 04:21:13.9, 48.98N, 129.29W, h7km, Moment Tensor Solution. Moment tensor: Scale 10^19 Nm, Mr=1.25, Mw=0.49, Ms=1.81, Mv=3.75, Mw=0.10, Mw=3.52, Fault plane solution: Ms=5.00000x10^15, NP1=178.00000, s83.00000, l-83.00000, NP2=178.00000, s10.00000, l-136.00000, Principal axes: T 4.9859, Plg38.0000, Azm128.0000, N 0.7012, Plg7.0000, Azm224.0000, P -5.6871, Plg51.0000, Azm323.0000

NEIC 03 04:21:17.4, 1.6, 49.25N, 129.86W, 0.05, h10km, 1km, mb4.1/149, ML3.5/37, Mw=3.3/10, Mw=4.0(OT), Error ellipse: s-maj=9.5km, s-min=3.2km, Az=215.0, Moment Tensor Solution. Moment tensor: Scale 10^15 Nm, Mr=1.20, Mw=2.67, Mw=2.78, Mw=0.51, Mw=0.50, Ms=2.205000, s86.18000, l23.82000, NP2=128.56000, s66.24000, l175.82000, Principal axes: T 3.2280, Plg19.0000, Azm87.0000, N -0.3598, Plg66.0000, Azm229.0000, P -2.8681, Plg14.0000, Azm352.0000

NEIC 03 04:21:17.5, 49.25N, 128.85W, h10km, ISC 03 04:21:16.4, 2, 49.21N, 128.91W, 0.04, h5km, 13km, n685, r1936/607, mb4.1/33, MS3.4/24, Vancouver Island region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like NCHR, KEMP, NEPTUNE, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like RADR, E03A, E03A, E03A, etc.

PGC 03 04:21:13.8, 1.4, 49.02N, 129.37W, h10km, mb4.1, ML3.5/40, Mw=4.1, Mw=4.2, 234km southwest of Pt. Hardy, Bc Vancouver Island, Canada Region

Table with columns for location, elevation, wind speed, direction, and other weather metrics. Includes entries like O28M Mount Upton, FARO Faro, Yukon, MESA MESA, YUK4 Talbot Arm, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Type, and Remarks. Includes stations like M16K Timber Creek, H21K Melozitna Rive, I20K Naaghedeneel, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Type, and Remarks. Includes stations like A36M Sachs Harbour, E21K Millik River, I21A Cookes Peak, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Type, and Remarks. Includes stations like OXF Oxford, WVT Waverly, P49A Miami Univ. Ec, etc.

WEL 03 04:28:12.7 0.8 35.5 S, 177.9 E 1.2, h305km, 7km, M3.9/18, mB4.6/7, ML4.6/11, MLV4.0/18, Mw(mB)3.8/7, Error ellipse: s-maj=0.0km s-min=0.0km az=109.5 confirmed,

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Type, and Remarks. Includes stations like MXZ Matakaoa Point, WNGZ Waiomatatini S, HAZ Te Kaha, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other details. Includes stations like Cannon Point, Traveller, D'Urville Isla, etc.

BGR 03 04:41:12.6, 21.66S: 176.41W, h610km, 11km

NOU 03 04:42:14.4, 20.59S: 178.19W, h577km, mb4.5/18, Fiji Islands Region

IOC 03 04:42:14.7, 1.20.70S: 178.47W, h552km, 11km, mb3.8/18, mbmp4.7/21, Error ellipse: s-maj=10.8km

s-min=0.8km az=130.0, NEIC 03 04:42:14.7, 1.9.20.6S: 0.1:178.3W, 0.1, h540km, 6km, mb4.6/22.0, Error ellipse: s-maj=18.4km s-min=15.8km

az=141.0, ISC 03 04:42:14.1, 0.3, 20.77S: 178.34W, 0.06, h550km, n357.0, r134/331, mb4.6/125, 15C-15D, Fiji Islands region

Main table of station data with columns: Code, Station Name, Frequency, Power, Mode, and other details. Includes stations like TAVE, MSVF, DGTI, NIUE, etc.

Main table of station data with columns: Call Sign, Station Name, Frequency, Power, Mode, and other details. Includes stations like L04D, GWY, RYAN, MINA, etc.

Main table of station data with columns: Call Sign, Station Name, Frequency, Power, Mode, and other details. Includes stations like G19K, RIDG, H21K, VNA2, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ASF, BRTR, GHRH, BURAR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like STU, BIOC, FUR, FUR, FUR, FUR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RSNC, DBBC, DPBC, APAC, etc.

Table containing flight data for various airlines including CHIPN, MUSN, LEPH, MERW, FRAZ, LBTB, MATJ, SUR, CER, PRVT, CVNA, UPI, KEIM, AUGR, KRI, LSZ, WIN, MAW, KIBK, HOS1, HOS2, HOS3, DGAR, MBAR, TROLL, LODK, SNA, SNA, VNA2, VNA1, VNA3, H01W2, H01W3, H01W1, QSPA, PALK, VNA4, VNA5, SBA, SBA, RAYN, HYB, PWJI, IPM, DBIC, and DBIC.

Table containing flight data for various airlines including DBIC, DBIC, BLJI, JAGI, JAGI, TORO, TORO, TORO, SRBI, EIL, TWSI, PLAI, ASF, ASF, MMTA, MMTA, TAM, TAM, TAM, EDFI, MMR1, BKSI, ASAR, ASAR, ASAR, CMAR, CMAR, TTSI, STKA, STKA, GELL, GELL, WRA, WRAB, WRAB, CRAI, BNN, BNI, GNI, GNI, BR131, BR131, BR131, BR131, BRTR, BRTR, BRTR, CHGR, CHGR, CHGR, TNCH, TNCH, TLN, TLN, TLN, MDOB, MDOB, MDOB, RDO, RDO, KSH, KSH, KSH, KEST, KEST, KIV, KIV, PZH, PZH, PZH, PZH, FNA, FNA, FNA, LBMI, AAK, AAK, AAK, AAK, TIRR, TIRR, TIRR, HARR, HARR, HARR, CFR, CFR, CFR, PLCA, PLCA, PLCA.

Table containing flight data for various airlines including PLCA, PLCA, PLCA, PLCA, GYA, GYA, MLR, MLR, MLR, VOIR, VOIR, VOIR, VRI, VRI, PLOH, PLOH, HERR, HERR, COVR, COVR, MDVR, MDVR, LR05, LR05, MDT, MDT, GOMU, GOMU, GOMU, BDFB, BDFB, TARR, TARR, GO06, GO06, GO06, OZUR, OZUR, GZR, GZR, CPUP, CPUP, CPUP, CPUP, CPUP, CD2, CD2, CD2, BZS, BZS, SURR, SURR, MARR, MARR, ARCR, ARCR, DRGR, DRGR, SORM, SORM, SORM, SORM, BURAR, BURAR, BURAR, BURAR, BURAR, CREB, CREB, AQDB, AQDB, AQDB, VORD, VORD, VORD, VRR, VRR, VRR, VSR, VSR, VSR, WMQ, WMQ, PERS, PERS, CADS, CADS, OBKA, OBKA, SOKA, SOKA, CRVS, CRVS, CRVS, ARSA, ARSA, MYKA, MYKA, CTI, CTI, CTI, AKBB, AKBB, RONA, RONA, VYHS, VYHS, VYHS, VYHS, MK31, MK31, MKAR, MKAR, ZST, ZST, ZST, ABTA, ABTA, KBA, KBA, CONA, CONA, MODS, MODS, MODS, LZH, LZH, LZH, LANS, LANS, LANS, JAVC, JAVC, LPSR, LPSR, MOA, MOA, BIOA, BIOA, LESA, LESA, GTA, GTA, GTA, ESDC, ESDC, ESDC.

3d 4h

Table with columns: WTTA, WATTENBERG, FETA, WATA, MAUC, SOTA, KRUC, MOTA, VRAC, RETA, MORC, MORC, MORC, MORC, GERES, XAN, KRLC, KRLC, KHC, KRUC, UREWERA, DPC, DPC, KURNB, KURK, PMG, OSTC, OSTC, BVAR, BRVK, OBN, OBN, OBN, AC02, LYN, PTLB, ARU, ARU, ARU, ARU, ARU, ZALV, HHC, HHC, HHC, TIA, TIA, DZM, SONM, ULN, UGL, PPT2, PPT2, TAOE, BILL, TLIG, B20K, WWT, WWT, WWT, RDG, C18K, C19K, TNA, P46A, SFIN, D17K, B22K, O36M, XAF, OXF, OXF, OXF, B21K, OLIL, F14K, VBMS, D19K, E17K, C21K, E18K, L44A, F15K, C23K, E20K

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Table with columns: C24K, ANM, ANM, ANM, D22K, G15K, E21K, C26K, E19K, HDIL, HDIL, D23K, F18K, G16K, D24K, D25K, F19K, E22K, G17K, FCC, FCC, F20K, H16K, G18K, C36M, D27M, JFWS, JFWS, JFWS, E23K, F21K, F22K, D28M, CCM, G19K, H17K, WHAR, SPIA, J14K, H18K, E25K, G21K, COLD, I17K, E28M, H19K, M11K, F24K, EYMN, EYMN, P08K, E27K, E29M, NATX, MIAR, F25K, H20K, J16K, F26K, G23K, GCSA, INK, INK, INK, K15K, H21K, H22K, G24K, F28M, L14K, G25K, I20K, SPMM, L15K, F30M, G26K, M13K, FYU, I21K, SCIA, F31M, J19K, J18K, H25L, G27K, K17K, M14K, I37A, H24K

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Table with columns: J20K, MLY, MLY, G29M, G30M, NIKH, L16K, G31M, I23K, L17K, M15K, TTA, H27K, N14K, 435B, PRP, PRP, POKR, K20K, CHUM, EPYK, H29M, TUL3, L18K, COLA, NEA2, BPAW, BPAW, M16K, WHTX, ULM, ULM, ULM, N15K, 833A, I27K, ILAR, ILAR, ILAR, O14K, M17K, CAST, CAST, I26K, UNV, N16K, AGMM, FW06, H31M, L19K, I28M, HDA, L20K, J25K, PPLA, TRF, M18K, MCK, M19K, O15K, N17K, I30M, J26L, EGAK, KSU1, KSU1, M20K, O16K, K24K, N18K, ECSD, JCT, SCRK, RIDG, O17K, CUT, YKA, YKA, YKA, WAT1, J29N, J30M, DHY, K27K, N19K





Table with columns: SYZ, KUZ, CTZ, DZM, STKA, RAR, BBOO, VVDA, ASAR, FORT, WRAB, WRA, WBO, PMG, KRSR, CMAR, MKAR, KURBB, MMAI, ARCES, BRTR, TORD, FINES, etc. Each row contains station name, time, and other parameters.

IDD 03 04:59:43.9.0.8, 5.97S, 142.92E, h0km, mb4.1/9, mbmp4.2/11, ML2.5/1, MS3.0/3, Error ellipse: s-maj=32.1km s-min=17.9km az=72.0

NEIC 03 04:59:45.7.1.4, 5.97S, 142.7E, h1km, 1km, mb4.4/25, Error ellipse: s-maj=18.2km s-min=11.6km az=63.0

ISC 03 04:59:48.0.6, 6.18S, 102.07, 142.65E, 0.08, h35km, n44, s155/45, mb4.2/20, New Guinea

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

Table with columns: BVAR, ILAR, ARU, etc. Lists stations and their parameters.

IDD 03 05:07:13.0.4.7, 6.86N, 73.05W, h156km, 5.7km, mbmp3.9/2, Error ellipse: s-maj=418.7km s-min=7.6km az=132.0

RSNC 03 05:07:15.9.0.0, 7.1N, 2.7W, h137km, 3km, mb5.1, mb3.7, ML2.9, Mw(mb)4.4

ISC 03 05:07:11.3.0.9, 6.84N, 103.73, 036W, 0.104, h159km, 6km, h37, -156/60, mb4.8/3, 4C, Northern Colombia

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

IDD 03 05:09:43.6.4.1, 5.14S, 151.21E, h0km, mb3.5/3, mbmp3.6/3, Error ellipse: s-maj=136.2km s-min=33.7km az=106.0, New Britain region

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

IDD 03 05:31:09.1.4, 2.27S, 126.33E, h0km, mb3.5/3, mbmp3.5/3, Error ellipse: s-maj=56.4km s-min=22.1km az=41.0, Northwest of Ryukyu Islands

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

JMA 03 05:31:16.9.0.4, 30.1N, 131.1E, h25km, 3km, MV2.0/7, NEAR AMAMI-OOSHIMA ISLAND, Southeast of Ryukyu Islands

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

Table with columns: ILAR, etc. Lists stations and their parameters.

IDD 03 05:44:07.1.1.6, 16.36S, 178.60W, h0km, mb3.8/7, mbmp3.8/7, Error ellipse: s-maj=110.1km s-min=21.0km az=149.0, Fiji Islands region

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

IDD 03 05:50:01.0.2.5, 17.96S, 178.35W, h580km, 31km, mb3.3/12, mbmp4.2/13, Error ellipse: s-maj=28.8km s-min=13.4km az=149.0

NEIC 03 05:50:01.0.1.1, 17.9S, 0.2, 178.18W, 0.09, h588km, 8km, mb4.3/31, Error ellipse: s-maj=27.0km s-min=10.2km az=163.0

ISC 03 05:50:00.7.0.5, 17.9S, 1.0, 178.30W, 0.09, h579km, n64, s67/65, mb4.2/27, Fiji Islands region

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

IDD 03 05:09:43.6.4.1, 5.14S, 151.21E, h0km, mb3.5/3, mbmp3.6/3, Error ellipse: s-maj=136.2km s-min=33.7km az=106.0, New Britain region

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

IDD 03 05:31:09.1.4, 2.27S, 126.33E, h0km, mb3.5/3, mbmp3.5/3, Error ellipse: s-maj=56.4km s-min=22.1km az=41.0, Northwest of Ryukyu Islands

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

JMA 03 05:31:16.9.0.4, 30.1N, 131.1E, h25km, 3km, MV2.0/7, NEAR AMAMI-OOSHIMA ISLAND, Southeast of Ryukyu Islands

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

Table with columns: CLL, Collm, 145.50 347 i PKPbc, PKPbc, 06 08 34.3 -0.5, etc.

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

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

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

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

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

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

Table with columns: RZN, PLD, Plovdiv, 0.60 55 i Pg, Sg, 06 04 50.0 +0.3, etc.

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

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

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

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

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

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

Table with columns: ARGC, ORTC, Ortega, Tolima, 3.61 217 P, S, Sn, 06 10 36.6 +0.5, etc.

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

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

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

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

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like RCC, MARVS, LOPEZ, CHIV, LMGC, etc.

IDC 03 06:44:54.7, 0.8, 26:77N, 142:39E, h0km, mb3.9/14, mltmp3.9/14, MS3.2/5, Error ellipse: s-maj=28.1km s-min=11.8km az=71.0

NEIC 03 06:45:01.6, 1.1, 26:65N, 10:142:1E, 0.2, h34km, 7km, mb4.4/16, Error ellipse: s-maj=23.2km s-min=13.5km az=103.0

ISC 03 06:45:00.5, 0.8, 26:69N, 0:09:142:2E, 0.2, h35km, n48, 142/39, mb4.3/21, Bonin Islands region

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations and their parameters.

IDC 03 06:46:19.8, 2.3, 26:78N, 142:47E, h0km, mb3.7/4, mltmp3.7/4, Error ellipse: s-maj=85.7km s-min=16.2km az=64.0, Bonin Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JCJ, WRA, ASAR, KURBB.

0.2nm, 0.4s, baz=91, slow=7.8, SNR=2.0
FINES FINES Array B 78.34 334 P
SDD 03 06:49:19.2, 2.2, 19:05N, 68:43W, h23km, 36km, MD3.5, ML2.6, MW3.4

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PCDR, MIDR, SMDR, SADR, HATOM.

SDD 03 06:49:20.8, 1.8, 18:98N, 0:06:68:48W, 0:03, h31km, 12km, ML2.5/28, MD3/212(RSPR), Error ellipse: s-maj=8.5km s-min=3.4km az=196.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SADR, HATOM, IDE, AGPR, AGPD.

OSPL 03 06:49:20.7, 0.3, 18:98N, 68:59W, h27km, 12km, ML2.3 RSPR 03 06:49:20.9, 19:05N, 68:37W, h19km, 36km, MD3.2/12

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like AGPR, AGPD, AGPR, AGPD, AGPR.

ISC 03 06:48:17.8, 1.2, 18:97N, 0:05:68:45W, 0:02, h9km, 10km, n70, 0:99/81, 16C-9D, Mona Passage

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like AGPR, AGPD, AGPR, AGPD, AGPR.

AGPR comp=N, 63nm, 0.3s 1.37 111 eP S 06 49 43.0 -1.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like AGPR, AGPD, AGPR, AGPD, AGPR.

AGPR comp=N, 61nm, 0.2s 1.37 111 i P S 06 49 44.1 0.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like AGPR, AGPD, AGPR, AGPD, AGPR.

AGPR comp=N, 54nm, 0.1s 0.76 295 eP S 06 49 33.5 +0.1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like AGPR, AGPD, AGPR, AGPD, AGPR.

AGPR comp=N, 25nm, 0.9s 1.99 116 eP S 06 49 53.5 -0.7

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like LOBA2, SDDR, SDDR, REDR, PODR.

IDC 03 06:51:02.7, 0.5, 31:40S, 13:51W, h0km, mb4.2/15, mltmp4.2/15, MS4.7/15, Error ellipse: s-maj=18.1km s-min=16.2km az=116.0

MOS 03 06:51:06.8, 1.9, 31:36S, 13:53W, h23km, mb5.2/18, Error ellipse: s-maj=13.7km s-min=10.6km az=53.4

NEIC 03 06:51:07.5, 1.2, 31:35S, 0:1:13:39W, 0:08, h10km, 1km, mb5.2/77, Error ellipse: s-maj=19.9km s-min=11.1km az=171.0

GCMT 03 06:51:09.5, 0.1, 31:25S, 0:0:13:27W, 0:01, h12km, MW5.2/152, Moment Tensor Solution. s89, c130; s152, c277; Duration: 1s0 Moment tensor: Scale 1017 Nm; Mn=0.92z, 0.1; Mw=0.07z, 0.1; Ms=0.85z, 0.1; Mx=0.18z, 0.4; My=0.2z, 0.1; Mz=0.02z, 0.4; Best double couple: M=0.92z, 0.1; N=0.07z, 0.1; P=0.85z, 0.1; S=0.18z, 0.4; T=0.2z, 0.1; NIP2=356.00000; S44=0.00000; S45=0.00000; S55=0.00000; S66=0.00000; S77=0.00000; S88=0.00000; S99=0.00000; S12=0.00000; S13=0.00000; S14=0.00000; S15=0.00000; S16=0.00000; S17=0.00000; S18=0.00000; S19=0.00000; S20=0.00000; S21=0.00000; S22=0.00000; S23=0.00000; S24=0.00000; S25=0.00000; S26=0.00000; S27=0.00000; S28=0.00000; S29=0.00000; S30=0.00000; S31=0.00000; S32=0.00000; S33=0.00000; S34=0.00000; S35=0.00000; S36=0.00000; S37=0.00000; S38=0.00000; S39=0.00000; S40=0.00000; S41=0.00000; S42=0.00000; S43=0.00000; S44=0.00000; S45=0.00000; S46=0.00000; S47=0.00000; S48=0.00000; S49=0.00000; S50=0.00000; S51=0.00000; S52=0.00000; S53=0.00000; S54=0.00000; S55=0.00000; S56=0.00000; S57=0.00000; S58=0.00000; S59=0.00000; S60=0.00000; S61=0.00000; S62=0.00000; S63=0.00000; S64=0.00000; S65=0.00000; S66=0.00000; S67=0.00000; S68=0.00000; S69=0.00000; S70=0.00000; S71=0.00000; S72=0.00000; S73=0.00000; S74=0.00000; S75=0.00000; S76=0.00000; S77=0.00000; S78=0.00000; S79=0.00000; S80=0.00000; S81=0.00000; S82=0.00000; S83=0.00000; S84=0.00000; S85=0.00000; S86=0.00000; S87=0.00000; S88=0.00000; S89=0.00000; S90=0.00000; S91=0.00000; S92=0.00000; S93=0.00000; S94=0.00000; S95=0.00000; S96=0.00000; S97=0.00000; S98=0.00000; S99=0.00000; S100=0.00000

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like H09N1, H09W1, SHEL, H10S2, H10S3, H10N1, H10N2.

ISC 03 06:51:06.1, 0.3, 31:28S, 0:07:13:40W, 0:07, h10km, n249, 141/182, mb5.1/68, MS4.7/15, 8C-8D, Southern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like GDU01, NBAN, SDBA, NBLA, NBCA, NBTA, NFBT, BOSA, BOSA.

AGPR comp=N, 54nm, 0.1s 0.76 295 eP S 06 49 33.5 +0.1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like GDU01, NBAN, SDBA, NBLA, NBCA, NBTA, NFBT, BOSA, BOSA.

AGPR comp=N, 54nm, 0.1s 0.76 295 eP S 06 49 33.5 +0.1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like GDU01, NBAN, SDBA, NBLA, NBCA, NBTA, NFBT, BOSA, BOSA.

AGPR comp=N, 54nm, 0.1s 0.76 295 eP S 06 49 33.5 +0.1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like GDU01, NBAN, SDBA, NBLA, NBCA, NBTA, NFBT, BOSA, BOSA.

AGPR comp=N, 54nm, 0.1s 0.76 295 eP S 06 49 33.5 +0.1

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Table with columns for station name, frequency, power, and other technical details. Includes stations like SALV, BBLB, PDRB, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like ATD, PBEJ, PBEA, etc.

3d 6h

Table with columns for station name, frequency, power, and other technical details. Includes stations like YKA, PZH, CD2, etc.



ZALV	Zalesovo Beam	1.60 256	Pg	Pn	07 44 40.1	-1.7
ZALV	Zalesovo Beam	1.99 278	Lg	Lg	07 45 04.0	
KURBB	Kurchatov Arra	6.60 239	Pn	Pn	07 45 50.4	-0.2
MKAR	Makanchi Array	8.25 205	Pn	Pn	07 46 15.4	+2.1

IDC 03 07:59:10.7±3.5, 53.737N, 88.16E, h0km, mbtmp2.8/2, ML2.4/2, Error ellipse: s-maj=31.7km s-min=19.6km az=50.0, Southwestern Siberia

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
H46RU	ZALESOVO INFRA	1.99	278	I	Op	08 12 20.0	
ZALV	Zalesovo Beam	1.99	278	Pn	I	07 59 45.5	-0.1
ZALV	Zalesovo Beam	1.60	256	Lg	Lg	08 00 14.1	
KURBB	Kurchatov Arra	6.60	246	Pn	Pn	08 00 50.1	0.0
MKAR	Makanchi Array	7.90	211	Pn	Pn	08 01 08.2	+1.5
MKAR	Makanchi Array	8.25	205	Lg	Lg	08 03 23.6	

NEIC 03 08:07:00.7±0.3, 36.077N, 0.010-97.55W±0.01, h5km±2km, Error ellipse: s-maj=1.5km s-min=1.1km az=179.0

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
OK029	Liberty Lake	0.30	166	Op	ISC	08 07 07.1	+0.3
OK029	Liberty Lake	0.30	166	Pg	Sg	08 07 11.5	+0.7
AD00K	Arcadia Dam	0.46	162	Op	Sg	08 07 10.1	+0.2
OK033	Mehan	0.49	95	Pg	Pg	08 07 10.8	+0.3
OK033	Mehan	0.49	95	IAML	IAML	08 07 18.0	
CROK	Carrier	0.55	320	IAML	Pg	08 07 11.7	+0.1
OK048	Pawnee Station	0.59	56	Pg	Pg	08 07 12.4	+0.1
OK052	Battle Ridge R	0.61	99	IAML	Pg	08 07 12.9	+0.2
QUOK	Quay	0.68	83	Pg	IAML	08 07 14.2	+0.1
QUOK	Quay	0.68	83	IAML	IAML	08 07 26.9	
OKCSW	OKLAHOMA CITY	0.69	173	IAML	Pg	08 07 13.7	-0.5
OKCSW	OKLAHOMA CITY	0.69	173	IAML	IAML	08 07 24.9	
BLOK	Blackwell	0.72	21	Pg	Pg	08 07 14.4	-0.5
GC02	Grant County #	0.81	342	Pg	Pg	08 07 16.2	-0.3
FNO	Franklin	0.84	172	IAML	Pg	08 07 16.8	-0.3
DEOK	Depew	0.88	106	IAML	Pg	08 07 17.6	-0.4
OK032	Salt Plains WL	0.90	323	IAML	Pg	08 07 17.7	-0.5
OK032	Salt Plains WL	0.90	323	IAML	IAML	08 07 31.4	
KAN13	South Haven SW	0.93	3	Pg	Pg	08 07 18.6	-0.2
KAN14	Manchester OK	0.93	339	IAML	Pg	08 07 19.8	-0.3
KAN14	Manchester OK	0.93	339	IAML	IAML	08 07 34.5	
KAN17	Caldwell West	0.97	350	IAML	Pg	08 07 19.7	0.0
KAN17	Caldwell West	0.97	350	IAML	IAML	08 07 36.8	
CSTR	Hydro, Custer	1.03	245	Pg	Pg	08 07 20.1	-0.6
OK038	West end E0370	1.04	292	Pg	Pg	08 07 20.5	-0.5
KAN09	Caldwell North	1.05	377	Pg	Pg	08 07 20.8	-0.4
KAN01	Argonia South	1.08	351	Pg	Pg	08 07 21.3	-0.4
W35A	Tecumseh	1.08	149	IAML	Pg	08 07 20.9	-0.8
T35A	Sooner Cattle	1.17	45	IAML	Pg	08 07 23.1	-0.4
T35A	Sooner Cattle	1.17	45	IAML	IAML	08 07 46.0	
KAN08	Anthony NE Sta	1.19	343	Pg	Pg	08 07 23.1	-0.7
KS21	Milan North St	1.20	355	Pg	Pg	08 07 23.3	-0.7
U32A	Winter Ranch,	1.21	284	IAML	Pg	08 07 23.2	-1.0
U32A	Winter Ranch,	1.21	284	IAML	IAML	08 07 41.9	
KAN12	Harper NE Sta	1.26	343	Pn	Pn	08 07 24.6	-0.6
TUL3	Leonard	1.43	97	Pn	Pn	08 07 26.5	-1.0
ELIS	Ellis County	1.52	270	Pn	Pn	08 07 28.7	0.0
WMOK	Wichita Mounta	1.68	217	Pn	Pn	08 07 30.6	-0.4
RLO	Rose Lookout	2.04	87	Pn	Pn	08 07 36.8	+0.9
LOOK	Love County	2.11	172	Pn	Pn	08 07 37.8	+0.9
X37A	Clayton	2.32	129	Pn	Pn	08 07 40.9	+0.8
X37A	Clayton	2.32	129	IAMB_Lg	IAMB_Lg	08 08 17.1	
SMWD	Samnorwood	2.41	247	IAMB_Lg	IAMB_Lg	08 07 41.4	+0.4
SMWD	Samnorwood	2.41	247	IAMB_Lg	IAMB_Lg	08 08 23.3	
WTF5	Witchita Falls	2.44	198	Pn	Pn	08 07 42.2	+0.9
R32A	Long Quarter,	2.51	339	Pn	Pn	08 07 44.3	+2.0
CBK5	Cedar Bluff	3.23	328	IAMB_Lg	IAMB_Lg	08 08 50.6	
Z38A	ML Pleasant	3.52	142	IAMB_Lg	IAMB_Lg	08 08 58.1	
AMTX	Amarillo	3.58	252	IAMB_Lg	IAMB_Lg	08 09 01.6	
MIAR	Mount Ida	3.59	114	IAMB_Lg	IAMB_Lg	08 08 58.2	
FW14	Alvarado	3.69	175	IAMB_Lg	IAMB_Lg	08 09 03.4	
FW13	Cleburne	3.73	179	IAMB_Lg	IAMB_Lg	08 08 59.0	
S39A	Bolivar	3.74	63	IAMB_Lg	IAMB_Lg	08 08 59.7	
SN07	Snyder 07	4.07	224	IAMB_Lg	IAMB_Lg	08 09 09.5	
X40A	Basin Creek Fa	4.17	111	IAMB_Lg	IAMB_Lg	08 09 17.5	
RTBA	Rita Blanca	4.21	276	IAMB_Lg	IAMB_Lg	08 09 17.4	
SN05	Snyder 5	4.22	222	IAMB_Lg	IAMB_Lg	08 09 20.5	
WLAR	White Oak Lake	4.36	122	IAMB_Lg	IAMB_Lg	08 09 24.0	
MGMO	Mountain Grove	4.38	74	IAMB_Lg	IAMB_Lg	08 09 21.4	
FCAR	Ozark Folk Cen	4.40	91	IAMB_Lg	IAMB_Lg	08 09 18.5	
POST	Post	4.44	228	IAMB_Lg	IAMB_Lg	08 09 26.2	
UALR	University of	4.44	106	IAMB_Lg	IAMB_Lg	08 09 23.2	
P38A	Dawn	4.75	41	IAMB_Lg	IAMB_Lg	08 09 41.8	
R40A	Maddies Statio	4.75	61	IAMB_Lg	IAMB_Lg	08 09 28.9	
SGCY	Sterling City	5.12	217	IAMB_Lg	IAMB_Lg	08 09 46.9	
BGNE	Belgrade	5.33	355	IAMB_Lg	IAMB_Lg	08 09 59.7	

CCM	Cathedral Cave	5.41	67	IAMB_Lg	IAMB_Lg	08 09 56.0	
T25A	Trinidad	5.62	283	IAMB_Lg	IAMB_Lg	08 10 12.6	
OZNA	Ozona	5.96	211	IAMB_Lg	IAMB_Lg	08 10 17.6	
FVM	French Village	6.00	69	IAMB_Lg	IAMB_Lg	08 10 15.1	
MNHN	Monahans	6.43	224	IAMB_Lg	IAMB_Lg	08 10 33.2	
HNDO	Hondo	6.70	193	IAMB_Lg	IAMB_Lg	08 10 37.9	
DRIO	Del Rio	7.13	202	IAMB_Lg	IAMB_Lg	08 10 45.0	
SAND	Sanderson	7.22	213	IAMB_Lg	IAMB_Lg	08 11 05.1	
P43A	Skaggs, Pawnee	7.27	58	IAMB_Lg	IAMB_Lg	08 10 53.0	
F33A	5 Mile Ranch,	9.79	5	IAMB_Lg	IAMB_Lg	08 12 19.0	

IDC 03 08:14:36.0±0.4, 39.58N, 74.37E, h0km, mb4.7/27, mbtmp1.8/35, ML4.2/7, MS4.3/64, Error ellipse: s-maj=9.5km s-min=8.1km az=92.0  
 BUJ 03 08:14:39.0±0.0, 39.72N, 74.33E, h15km, mb4.8/60, mb5.0/38, ML5.2/7, Ms4.8/59, Ms7.4/55  
 KRNET 03 08:14:40.0±0.1, 39.79N, 74.35E, h13km, mb5.6  
 NEIC 03 08:14:42.8, 39.75N, 74.46E, h30km  
 NEIC 03 08:14:42.1±1.6, 39.75N, 0.05, 74.47E±0.06, h31km±4km, mb5.1/155, Mww5.0/16, Error ellipse: s-maj=8.3km s-min=6.1km az=138.0  
 MOS 03 08:14:42.8±0.9, 39.72N, 74.44E, h57km, mb5.3/53, MS4.5/20, Error ellipse: s-maj=4.4km s-min=3.1km az=90.5  
 NEIC 03 08:14:42.8, 39.75N, 74.59E, h30km, Moment Tensor Solution. Duration: 187 Moment tensor: Scale 10<sup>16</sup>Nm; Mn:0.61; Mw:2.27; Mm:1.67; Mm:0.95; Mw:3.27; Mw:0.48; Fault plane solution: Ms:3.980000×10<sup>16</sup> NP1: ϕs196.26000°, δ73.72000°, λ6.24000°. Principal axes: T 3.7634, Plg16.0000°, Azm59.0000°; N 0.4312, Plg73.0000°, Azm265.0000°; P -4.1946, Plg7.0000°, Azm151.0000°  
 GCMT 03 08:14:43.1±0.2, 39.76N, 0.01, 74.50E±0.01, h30km±1km, MW5.1/127, Moment Tensor Solution. s57, c63, s127, c192. Duration: 0 Moment tensor: Scale 10<sup>16</sup>Nm; Mn:1.13; Mw:2.78; λ:14; Mw:1.65; λ:14; Mw:1.06; λ:20; Mw:4.33; λ:10; Mw:0.56; λ:19. Best double couple: Mw:4.970000×10<sup>16</sup> NP1: ϕs284.00000°, δ84.00000°, λ-172.00000°. NP2: ϕs193.00000°, δ82.00000°, λ-6.00000°. Principal axes: T 4.3010, Plg2.0000°, Azm58.0000°; N 1.3380, Plg80.0000°, Azm320.0000°; P -5.6390, Plg10.0000°, Azm149.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function  
 NNC 03 08:14:43.6±1.2, 39.98N, 74.31E, h0km, mb5.8, mpv5.6 Error ellipse: s-maj=10.0km s-min=5.4km az=169.0  
 SOME 03 08:14:46.4, 40.20N, 74.49E, h0km, MS4.8  
 BGR 03 08:14:54.5, 40.34N, 72.85E, h19km, mb4.6  
 ISC 03 08:14:40.1±0.3, 39.73N, 0.02, 74.39E±0.01, h17km, mb5.1, h17km; P-P, N1029, e187/1131, mb5.0/208, MS4.4/99, 96C-71D, Southern Xinjiang

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
SFK	Sufi-Kurgan	0.74	293f	Op	Pb	08 14 53.6	-1.0
SFK	Sufi-Kurgan			Op	Pb	08 15 03.4	-1.1
SFK	Sufi-Kurgan			Op	Pb	08 15 03.4	-1.1
KSH	Kashi	1.24	99	Pg	Pn	08 14 59.5	-3.3
KSH	Kashi			Pg	Sb	08 15 13.7	-5.3
KSH	Kashi			Smax	Smax		
KSH	Kashi			Smax	Smax		
OHH	Osh	1.46	304f	eP	Pg	08 15 06.6	-1.7
OHH	Osh			eP	Pg	08 15 06.6	-1.7
OHH	Osh			eS	Pg	08 15 26.2	-1.2
ARSB	Arslanbob	1.92	327f	eP	Pg	08 15 14.6	-2.4
ARSB	Arslanbob			eS	Pg	08 15 40.1	-1.9
DRK	Karamyk	2.01	264	Pn	Pg	08 15 17.2	-1.6
DRK	Karamyk			Sn	Pg	08 15 41.3	-3.7
DRK	Karamyk	2.01	264f	eP	Pg	08 15 17.0	-1.8
DRK	Karamyk			eS	Pg	08 15 44.3	-0.7
DRK	Karamyk	2.01	264	ePN	Pg	08 15 17.0	-1.8
DRK	Karamyk			eS	Pg	08 15 44.3	-0.7
NRN	Naryn	2.10	35f	eP	Pg	08 15 18.0	0.0
NRN	Naryn			eS	Pg	08 15 45.7	+1.8
ARLS	Aral	2.13	359f	eP	Pb	08 15 17.8	-0.6
ARLS	Aral			eS	Pb	08 15 45.7	+1.1
ARLS	Aral	2.13	359	ePN	Pb	08 15 17.8	-0.6
ARLS	Aral			eS	Pb	08 15 45.7	+1.1
UCH	Uchtor	2.50	2	eP	Pb	08 15 24.1	-0.7
UCH	Uchtor	2.50	2f	fP	Pb	08 15 23.4	-1.4
UCH	Uchtor			fP	Sb	08 15 55.0	-0.5
BTK	Batken	2.76	278	Pn	Pb	08 15 27.2	-1.9
BTK	Batken	2.76	278f	eP	Pb	08 15 27.2	-1.9
BTK	Batken			eS	Sb	08 16 01.6	-1.1
ARK	Arkit	2.76	278	PN	Pb	08 15 27.2	-1.9
ARK	Arkit			eS	Pb	08 15 26.6	-2.6
ARK	Arkit			eS	Pb	08 16 01.1	-1.8
ARK	Arkit	2.77	319	ePN	Pb	08 15 26.6	-2.6
ARK	Arkit			eS	Pb	08 16 01.1	-1.8
ULHL	Ulaloh	2.88	29	P	Sb	08 15 28.6	-2.6
ULHL	Ulaloh	2.88	29f	fP	Pb	08 15 28.7	-2.5
ULHL	Ulaloh			fS	Sb	08 16 04.2	-2.0
AAK	Ala-Archa	2.91	2	P	Pb	08 15 29.9	-1.7
AAK	Ala-Archa			PN	Pb	08 15 29.7	-1.9
AAK	Ala-Archa			SN	Pb	08 16 02.7	+2.3
AAK	Ala-Archa			eP	Pb	08 15 29.5	-2.1
AAK	Ala-Archa	2.91	2	Pn	Pb	08 15 29.4	-2.2
AAK	Ala-Archa			SN	Pb	08 16 05.6	-1.4
AAK	Ala-Archa			Lg	Lg	08 16 11.6	
AAK	Ala-Archa			LR	LR	08 16 52.1	
AAK	Ala-Archa	comp=Z, 5μm, 18.2s, baz=142, slow=44			Pb	08 15 28.9	-2.7
AAK	Ala-Archa	2.91	2	fP	Pb	08 15 28.9	-2.7
AAK	Ala-Archa			fS	Sb	08 16 04.6	-2.4
AAK	Ala-Archa			fP	Pb	08 15 29.6	-2.1
AAK	Ala-Archa			P	Pb	08 15 30.8	-1.7
KBK	Karagaybulak	2.96	8	P	Pb	08 15 29.6	-2.9
KBK	Karagaybulak			fP	Pb	08 15 29.6	-2.9
KBK	Karagaybulak			fS	Sb	08 16 05.9	-2.5
EKS2	Erkin-Say	2.97	351	P	Pb	08 15 30.2	-2.4
EKS2	Erkin-Say			fP	Pb	08 15 29.7	-2.9
EKS2	Erkin-Say			fS	Sb	08 16 05.8	-2.8
BOOM	Boomsokoye usch	3.00	23	Pb	Pb	08 15 30.9	-2.3

BOOM	Booms
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3d 8h

2018 APR

Table with columns: KRBS, Karabastau, 4.08 13 Pg, Pg, 08 15 54.7 -3.6, etc. Includes various station names and numerical data.

Table with columns: TDK, Taldyqorghan, 6.05 28 ePN, Pn, 08 16 11.3 +2.5, etc. Includes station names like Jarkent, Makanchi, and numerical data.

Table with columns: AB31, Akbulak array, 14.01 318 Pn, Pn, 08 17 57.7 0.0, etc. Includes station names like Akbulak array, Zalesovo Beam, and numerical data.



Table with columns: Station, Frequency, Power, Status, Time, and other parameters. Includes stations like TengChong, Guroymak-BITLI, Novokhoporsk, etc.

Table with columns: Station, Frequency, Power, Status, Time, and other parameters. Includes stations like Guiyang, Chiang Mai Arr, Simferopol, etc.

Table with columns: Station, Frequency, Power, Status, Time, and other parameters. Includes stations like Plostina, Ploster, Lovozero, etc.

2018 APR

Table with columns for station code, name, frequency, power, and time. Includes stations like YAK Yakutsk, KTK1 Kautokeino, FNA Florida, VYHS Vyhne, etc.

Table with columns for station code, name, frequency, power, and time. Includes stations like BJO1 Bjornoya, HSKC Hora Svate Kat, NC405 NORSTAR Array S, etc.

Table with columns for station code, name, frequency, power, and time. Includes stations like CTI Castel Tesino, MOTA Moosalm, AKN Aaknes, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like BILL Bilibino, MUA Raah, PETK Davao City, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like VOI Vohitsoka, F19K Shalerucik Mo, D23K Nanushuk River, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like L17K Donlin, I23K Minto, TTA Tatalina, etc.

Table with columns: ID, Name, Az, El, P, M, Az, El, P, M, Az, El, P, M. Includes stations like RIDG Independent Ri, P16K Nushagak River, H31M Peel River, etc.

Table with columns: ID, Name, Az, El, P, M, Az, El, P, M, Az, El, P, M. Includes stations like N31M Braeburn, WRLGY Wrigley, O29M Mount Kennedy, etc.

Table with columns: ID, Name, Az, El, P, M, Az, El, P, M, Az, El, P, M. Includes stations like DGMT Dagmar, EGMT Eagleton, SADO Sadow, etc.

NEIC 03 08:31:20.6:0.6,36.45N:0.01:96.88W:0.01,h5km,1km, Error ellipse: s-maj=2.4km s-min=1.9km az=20.0

Table with columns: Code, Station Name, Az, El, P, M, Az, El, P, M, Az, El, P, M. Includes stations like OK048 Pawnee Station, QUOK Quay, etc.

IDC 03 08:47:07.9:1.1,34.32N:23.96E,h0km,mb4.0/9, mbmp3.9/11,ML3.62,MS4.4/2, Error ellipse: s-maj=30.6km s-min=17.4km az=133.0

Table with columns: Code, Station Name, Az, El, P, M, Az, El, P, M, Az, El, P, M. Includes stations like GVD Gavdhos, GVD Gajm, etc.

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

IDC 03 08:56:11.6: 1.7, 54.7: 68N: 83.78E, h0km, mbtmp2.8/3, ML2.2/3, Error ellipse: s-maj=15.83km s-min=9.8km az=7.0

ISC 03 08:56:11.9: 2.7, 54.7N: 0.2: 85km E: 0.1, h10km, n7, c234/8, 4C, Southwestern Siberia

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

IDC 03 09:04:47.9: 2.5, 54.05N: 86.58E, h0km, mbtmp3.1/2, ML2.9/2, Error ellipse: s-maj=21.4km s-min=13.3km

az=57.0, Southwestern Siberia

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

DJA 03 09:08:14.6: 0.3, 1.1N: 3.12: 12.6E, h10km, M4.4/15, mb4.7/12, mB5.0/6, MLV4.4/15, MW(mB)4.3/6

NEIC 03 09:08:17.8: 1.9, 0.78N: 0.08: 126.25E: 0.05, h39km, 7km, mb4.6/57, Error ellipse: s-maj=11.2km s-min=7.4km

az=182.0

IDC 03 09:08:17.9: 0.3, 0.74N: 0.04: 126.22E: 0.05, h44km, n124, c134/128, mb4.5/60, MS5.0/3, 1C, Northern Molucca Sea

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TANA TORAJA, BKSI, KAPI, etc.

IDC 03 08:56:11.6: 1.7, 54.7: 68N: 83.78E, h0km, mbtmp2.8/3, ML2.2/3, Error ellipse: s-maj=15.83km s-min=9.8km az=7.0

ISC 03 08:56:11.9: 2.7, 54.7N: 0.2: 85km E: 0.1, h10km, n7, c234/8, 4C, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KOREA ARRAY, CD2, CD2, etc.

IDC 03 09:04:47.9: 2.5, 54.05N: 86.58E, h0km, mbtmp3.1/2, ML2.9/2, Error ellipse: s-maj=21.4km s-min=13.3km

az=57.0, Southwestern Siberia

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

DJA 03 09:08:14.6: 0.3, 1.1N: 3.12: 12.6E, h10km, M4.4/15, mb4.7/12, mB5.0/6, MLV4.4/15, MW(mB)4.3/6

NEIC 03 09:08:17.8: 1.9, 0.78N: 0.08: 126.25E: 0.05, h39km, 7km, mb4.6/57, Error ellipse: s-maj=11.2km s-min=7.4km

az=182.0

IDC 03 09:08:17.9: 0.3, 0.74N: 0.04: 126.22E: 0.05, h44km, n124, c134/128, mb4.5/60, MS5.0/3, 1C, Northern Molucca Sea

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KARATAY ARRAY, BVAR, BRVK, etc.

IDC 03 09:09:26.6: 0.7, 27.53N: 126.99E, h0km, mb4.0/13, mbtmp3.9/16, ML2.7/2, MS3.5/4, Error ellipse: s-maj=23.1km s-min=12.4km az=53.0

JMA 03 09:09:26.5: 0.3, 27.55N: 0.8: 126.7E: 1.0, h22km, 4km, M4.3/9, NW OFF OKINAWA/JMA IS

NEIC 03 09:27.2: 2.3, 27.47N: 0.05: 126.90E: 0.05, h4km, 15km, n72, c123/72, mb4.3/31, Northwest of Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AGUNI-JIMA, IHEYA, KUMAJIMA, etc.

IDC 03 09:09:26.6: 0.7, 27.53N: 126.99E, h0km, mb4.0/13, mbtmp3.9/16, ML2.7/2, MS3.5/4, Error ellipse: s-maj=23.1km s-min=12.4km az=53.0

JMA 03 09:09:26.5: 0.3, 27.55N: 0.8: 126.7E: 1.0, h22km, 4km, M4.3/9, NW OFF OKINAWA/JMA IS

NEIC 03 09:27.2: 2.3, 27.47N: 0.05: 126.90E: 0.05, h4km, 15km, n72, c123/72, mb4.3/31, Northwest of Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AGUNI-JIMA, IHEYA, KUMAJIMA, etc.





3d 9h

Table containing station identifiers (e.g., KLBR, TNCH, CD2), times, and various codes (P, S, I, etc.) for stations in the 3d 9h region.

2018 APR

Main table listing station identifiers, times, and codes for stations across the 2018 APR region, including HHC, HHH, HHC, HHC, HHC, etc.

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Table listing station identifiers, times, and codes for stations in the 182 region, including DZM, DZM, DZM, DZM, YSS, etc.





Table of weather forecasts for stations 1J6K through 1M19K, including river names and data points.

Table of weather forecasts for stations M19K through M20K, including river names and data points.

Table of weather forecasts for stations CUT through PMOR, including river names and data points.

Table with 10 columns: station name, coordinates, elevation, wind speed, wind direction, visibility, temperature, dew point, and other weather metrics.

Table with 10 columns: station name, coordinates, elevation, wind speed, wind direction, visibility, temperature, dew point, and other weather metrics.

Table with 10 columns: station name, coordinates, elevation, wind speed, wind direction, visibility, temperature, dew point, and other weather metrics.

Table with columns: MLR, Muntele Rosu, 96.26 316, LR, LR, 10 17 09.4, etc. Includes various station names and coordinates.

Table with columns: F36A, Milaca, 119.02 32, PKP, PKIKP, 09 32 47.2 +0.1, etc. Includes station names like Cedar Bluff, Muleshoe, etc.

Table with columns: LVC, comp=Z,7.0nm,0.8s,baz=152,slow=5.2,SNR=5.4, PKPab, PKPab, 09 34 14.8 -0.2, etc. Includes station names like Limon Verde, IPOC Station P, etc.



s-maj=11.4km s-min=9.6km az=156.0
NEIC 03:09:41:27.4,1.4,8.35N,0.06E,71.72W,0.06,h10km,1km,
mb4.9/525,Error ellipse: s-maj=10.5km s-min=9.7km
az=139.0
VAO 03:09:41:27.4,0.4,8.07N,71.96W,h10km,mb5.0
RNSC 03:09:41:28.3,0.0,8.1N,8.7W,h29km,19km,mb5.4,
mB5.5,ML4.5,Mv(m)B4.9
FUNV 03:09:41:28.3,8.23N,71.79W,h5km,MW4.7
ISC 03:09:41:25.1,0.8,8.30N,0.03,71.89W,0.02,h5km,4km,
n978,r131/858,mb4.9/302,MS4.0,9,16C-5D, Venezuela

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, H, S, ISC, Pn, P, I, B, L, R, etc. Lists various stations and their associated data points.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Date, Time, and other details. Includes entries like BLO Bloomington, WHTX Lake Whitney, SDBA SAO DESIDERIO, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Date, Time, and other details. Includes entries like LMN Caledonia Moun, KSU1 Kansas State U, KSU1 Kansas State U, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Date, Time, and other details. Includes entries like U15A North Rim, U15A North Rim, SRU San Rafael Sve, etc.

2018 APR

Table with columns for flight number, airline, origin, destination, departure time, arrival time, aircraft type, status, and notes. Includes airlines like 3Ndr, MPK, FCC, WVOR, G08A, J05D, PINE, C09A, L04D, YBH, EDM, HO4A, LTY, NUUK, DY2G, ANGG, YKA, MORF, PNCL, MESJ, PCVE, ICESG, PCAS, PMTG, FLDN, TOAD, PESTR, KOTAR, PBAR, POLO, MVO, PBRG, WRGLY, DBIC, DLBC, DLBC, KULLO, S34M, TGTN, SUMG, R33M, R33M, EDSD, ESB, S32K, P33M, P33M, P32M, P32M, N32M, C36M, C36M, C36M, SKAG, FARO, WHY, NEEM, M31M, M31M, O30N, O30N, N31M, N31M, P30M, P29M, EKA, HYT, N30M, N30M, N30M, MAYO, MAYO, M30M, M30M, A36M, A36M, H31M, H31M, Q29M, YUK6, YUK4, G31M, F31M, M29M, I30M, I30M, K29M, K29M, TOR, L29M, L29M, INK, INK, DBG, DBG, YUK8, O28M, J29N, J29N, EPYK, EPYK, G30M, F30M, YUK3, DAWY, DAWY, CTGM, CTG, BVCV, BARN, BARN, H29M, H29M, G29M, G29M, I28M, M27K, BCAR, E29M, E29M, E29M, L27K, CRQK, EGAK, EGAK, MCARA, MCARA, DAG, DAG, K27K, K27K, M26K, F28M, F28M, F28M, KAIM, GLB, GLB, I27K, D28M, D28M, E28M, E28M, L26K, L26K, H27K, BMRM, BMRM, G27K, G27K, N25K, N25K, J26L, J26L, I26K, I26K, SCRK, SCRK, E27K, E27K, E27K, EYAK, HARP, HARP, RIDG, RIDG, RIDG, RIDG, KLU, KLU, PAX, G26K, M24K, J25K, J25K, K24K, G24K, F26K, PRP, BRAR, FYU, SCM, H25L, H25L, M23K, DHY, HDA, HDA, IL31, ILAR, ILAR, ILAR, ILAR, WAT6, F25K, G25K, E25K, E25K, SML, SML, KNK, KNK, KNK, ECH, SENIN, C26K, C26K, POKR, CCB, COLA, WAT1, SEW, PMR, PMR, G24K, G24K, H24K, H24K, MDM, MDM, RND, D25K, O22K, MCK, NOR, NOR, RC01, F24K, F24K, NEA2, NEA2, M22K, I23K, I23K, BRSE, CUT, CUT, BRLK, TRF, SUA, D24K, C24K, G23K, G23K, KTH, KTH, E23K, MLY, MLY, MLY, BPAW, TOLK, TOLK, SKT, SKT, SKT, SKT, SKT, COLD, KEST, KDAK



Table with columns: Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like N20K, DAVA, H22K, CAST, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like KBA, N17K, E19K, KHC, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like VNA2, AKASG, SORM, SNA4, etc.

UPA 03 09:42:48.0, 4.8: 8.9N-83.03W, h20km, 2km, ML3.5
CATAC 03 09:42:49.0, 5.8: 6.3N-83.08W, h4km, 4km, ML2.4

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like CDITO, BRU2, PIRO, etc.

ISK 03 09:44:09.5, 38.89N-26.43E, h9km, ML2.9/25
AFAD 03 09:44:09.8, 0.0, 38.89N-26.44E, h1km, 2km, ML3.0

ATH 03 09:44:10.5, 38.90N-26.45E, h7km, 2km, ML2.8, Error ellipse: s-maj=2.2km, s-min=1.1km, az=337.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like EAG3, KARB, etc.



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Table with 5 main columns: ID, Description, Status, and two columns of numerical data. The table lists various astronomical objects with their identifiers and associated parameters.

3d 11h

Table with columns: BDFB, Station Name, Frequency, Power, SNR, etc. Includes entries for Brasilia, Alice Springs, and South Pole Quai.

FUNV 03 10:25:08.5, 8:25N x 71:75W, h5km, MW3.2
RSCN 03 10:25:10.8, 0.0, 8:25N x 71:72W, h0km, pkm, ML2.3, MLV3.1

Main station list table for the 3d 11h section, including stations like Capacho, Soco, Pamplona, Ocana, Barichara, La Rusia, etc.

IDC 03 10:26:04.6, 1.7, 21.91S x 173:86W, h0km, mb3.6/3, mbtmp3.9/4, ML3.5/1, Error ellipse: s-maj=113.8km

Table listing stations in the Tonga Islands region, including RAR, ASAR, WRA, and NVAR.

IDC 03 10:29:05.1, 5.7, 26.60N x 142:51E, h0km, mb3.7/3, mbtmp3.7/3, Error ellipse: s-maj=394.1km

Table listing stations in the Bonin Islands region, including WRA, ASAR, and FINES.

IDC 03 10:47:28.5, 3.2, 5.16S, 152:06E, h0km, mb3.9/3, mbtmp3.9/4, ML2.0/1, MS3.0/2, Error ellipse: s-maj=103.9km

Table listing stations in the New Britain region, including WRA, ASAR, and FINES.

IDC 03 10:47:31.9, 1.0, 5.70S, 152:06E, h0km, mb3.9/3, mbtmp3.9/4, ML2.0/1, MS3.0/2, Error ellipse: s-maj=103.9km

Main station list table for the 3d 11h section, including stations like Rabaul, Manus Island, Port Moresby, Warramunga, etc.

IDC 03 11:17:49.2, 2.5, 52S, 151:58E, h0km, mb3.3/3, mbtmp3.4/3, Error ellipse: s-maj=140.0km

Table listing stations in the New Britain region, including WRA, Warramunga, etc.

2018 APR

Table with columns: Station Name, Frequency, Power, SNR, etc. Includes ASAR and ILAR.

BUI 03 11:31:33.9, 0.0, 18:42S x 169:76E, h230km, mb4.8/48, mb4.8/24

MOS 03 11:31:33.5, 1.0, 19:10S x 169:35E, h238km, mb5.0/35, Error ellipse: s-maj=8.2km

NEIC 03 11:31:34.2, 5.0, 19:06S x 169:38E, h202km, 4km, mb5.1/43, Mmw5.0/19, Error ellipse: s-maj=11.6km

NEIC 03 11:31:34.8, 19:08S x 169:38E, h220km, IDC 03 11:31:34.2, 5.0, 19:10S x 169:32E, h234km, 4km, 5/27, mbtmp5.0/28, Error ellipse: s-maj=8.9km

NEIC 03 11:31:34.8, 19:28S x 169:38E, h220km, Moment Tensor Solution: Duration: 1.7, Moment tensor: Scale 10^19Nm

NOU 03 11:31:35.4, 19:05S x 169:31E, h238km, mb5.3/12, Vanuatu Islands

GCMT 03 11:31:36.5, 0.3, 19:13S x 169:21E, h245km, 2km, MW5.1/95, Moment Tensor Solution: s=42, c46; s95, c116

Table listing stations in the Vanuatu Islands region, including LIFNC, MARNC, YATNC, PINNC, DZM, etc.

IDC 03 11:31:34.1, 0.3, 19:09S x 169:36E, h235km, 2km, h234km, p-P, n1161, o1903/1073, mb5.1/298, 42C-23D, Vanuatu Islands

Table listing stations in the Vanuatu Islands region, including DZM, QUENC, NOUC, etc.

IDC 03 11:31:34.1, 0.3, 19:09S x 169:36E, h235km, 2km, h234km, p-P, n1161, o1903/1073, mb5.1/298, 42C-23D, Vanuatu Islands

Table listing stations in the Vanuatu Islands region, including HNR, FUNA, LHI, etc.

IDC 03 11:31:34.1, 0.3, 19:09S x 169:36E, h235km, 2km, h234km, p-P, n1161, o1903/1073, mb5.1/298, 42C-23D, Vanuatu Islands

Table listing stations in the Vanuatu Islands region, including EIDS, RKUH, KUZ, MKAZ, etc.

IDC 03 11:31:34.1, 0.3, 19:09S x 169:36E, h235km, 2km, h234km, p-P, n1161, o1903/1073, mb5.1/298, 42C-23D, Vanuatu Islands

Table listing stations in the Vanuatu Islands region, including NIUE, ARMA, ARMA, etc.

IDC 03 11:31:34.1, 0.3, 19:09S x 169:36E, h235km, 2km, h234km, p-P, n1161, o1903/1073, mb5.1/298, 42C-23D, Vanuatu Islands

Table listing stations in the Vanuatu Islands region, including RMQ, PUZ, TWG, etc.

IDC 03 11:31:34.1, 0.3, 19:09S x 169:36E, h235km, 2km, h234km, p-P, n1161, o1903/1073, mb5.1/298, 42C-23D, Vanuatu Islands

Table listing stations in the Vanuatu Islands region, including CTAO, CTAO, QUARZ, etc.

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Table with columns: Station Name, Frequency, Power, SNR, etc. Includes THZ, PLWZ, AUHUS, etc.

IDC 03 11:31:34.1, 0.3, 19:09S x 169:36E, h235km, 2km, h234km, p-P, n1161, o1903/1073, mb5.1/298, 42C-23D, Vanuatu Islands

IDC 03 11:31:34.1, 0.3, 19:09S x 169:36E, h235km, 2km, h234km, p-P, n1161, o1903/1073, mb5.1/298, 42C-23D, Vanuatu Islands

IDC 03 11:31:34.1, 0.3, 19:09S x 169:36E, h235km, 2km, h234km, p-P, n1161, o1903/1073, mb5.1/298, 42C-23D, Vanuatu Islands

IDC 03 11:31:34.1, 0.3, 19:09S x 169:36E, h235km, 2km, h234km, p-P, n1161, o1903/1073, mb5.1/298, 42C-23D, Vanuatu Islands

IDC 03 11:31:34.1, 0.3, 19:09S x 169:36E, h235km, 2km, h234km, p-P, n1161, o1903/1073, mb5.1/298, 42C-23D, Vanuatu Islands

IDC 03 11:31:34.1, 0.3, 19:09S x 169:36E, h235km, 2km, h234km, p-P, n1161, o1903/1073, mb5.1/298, 42C-23D, Vanuatu Islands

IDC 03 11:31:34.1, 0.3, 19:09S x 169:36E, h235km, 2km, h234km, p-P, n1161, o1903/1073, mb5.1/298, 42C-23D, Vanuatu Islands

IDC 03 11:31:34.1, 0.3, 19:09S x 169:36E, h235km, 2km, h234km, p-P, n1161, o1903/1073, mb5.1/298, 42C-23D, Vanuatu Islands

IDC 03 11:31:34.1, 0.3, 19:09S x 169:36E, h235km, 2km, h234km, p-P, n1161, o1903/1073, mb5.1/298, 42C-23D, Vanuatu Islands

IDC 03 11:31:34.1, 0.3, 19:09S x 169:36E, h235km, 2km, h234km, p-P, n1161, o1903/1073, mb5.1/298, 42C-23D, Vanuatu Islands

IDC 03 11:31:34.1, 0.3, 19:09S x 169:36E, h235km, 2km, h234km, p-P, n1161, o1903/1073, mb5.1/298, 42C-23D, Vanuatu Islands

IDC 03 11:31:34.1, 0.3, 19:09S x 169:36E, h235km, 2km, h234km, p-P, n1161, o1903/1073, mb5.1/298, 42C-23D, Vanuatu Islands

IDC 03 11:31:34.1, 0.3, 19:09S x 169:36E, h235km, 2km, h234km, p-P, n1161, o1903/1073, mb5.1/298, 42C-23D, Vanuatu Islands

IDC 03 11:31:34.1, 0.3, 19:09S x 169:36E, h235km, 2km, h234km, p-P, n1161, o1903/1073, mb5.1/298, 42C-23D, Vanuatu Islands

IDC 03 11:31:34.1, 0.3, 19:09S x 169:36E, h235km, 2km, h234km, p-P, n1161, o1903/1073, mb5.1/298, 42C-23D, Vanuatu Islands

IDC 03 11:31:34.1, 0.3, 19:09S x 169:36E, h235km, 2km, h234km, p-P, n1161, o1903/1073, mb5.1/298, 42C-23D, Vanuatu Islands

IDC 03 11:31:34.1, 0.3, 19:09S x 169:36E, h235km, 2km, h234km, p-P, n1161, o1903/1073, mb5.1/298, 42C-23D, Vanuatu Islands

IDC 03 11:31:34.1, 0.3, 19:09S x 169:36E, h235km, 2km, h234km, p-P, n1161, o1903/1073, mb5.1/298, 42C-23D, Vanuatu Islands

IDC 03 11:31:34.1, 0.3, 19:09S x 169:36E, h235km, 2km, h234km, p-P, n1161, o1903/1073, mb5.1/298, 42C-23D, Vanuatu Islands

IDC 03 11:31:34.1, 0.3, 19:09S x 169:36E, h235km, 2km, h234km, p-P, n1161, o1903/1073, mb5.1/298, 42C-23D, Vanuatu Islands

IDC 03 11:31:34.1, 0.3, 19:09S x 169:36E, h235km, 2km, h234km, p-P, n1161, o1903/1073, mb5.1/298, 42C-23D, Vanuatu Islands

IDC 03 11:31:34.1, 0.3, 19:09S x 169:36E, h235km, 2km, h234km, p-P, n1161, o1903/1073, mb5.1/298, 42C-23D, Vanuatu Islands

IDC 03 11:31:34.1, 0.3, 19:09S x 169:36E, h235km, 2km, h234km, p-P, n1161, o1903/1073, mb5.1/298, 42C-23D, Vanuatu Islands

IDC 03 11:31:34.1, 0.3, 19:09S x 169:36E, h235km, 2km, h234km, p-P, n1161, o1903/1073, mb5.1/298, 42C-23D, Vanuatu Islands

Table of station data for the left column, including columns for call letters, frequency, power, polarization, and other technical details.

Table of station data for the middle column, including columns for call letters, frequency, power, polarization, and other technical details.

Table of station data for the right column, including columns for call letters, frequency, power, polarization, and other technical details.

3d 11h

Table with columns: Call Sign, Name, Azimuth, Elevation, Mode, Power, SNR, and other metrics. Includes stations like J14K, K15K, M17K, etc.

2018 APR

Table with columns: Call Sign, Name, Azimuth, Elevation, Mode, Power, SNR, and other metrics. Includes stations like HIN, HIN, HIN, etc.

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Table with columns: Call Sign, Name, Azimuth, Elevation, Mode, Power, SNR, and other metrics. Includes stations like PFO, PFO, PFO, etc.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like I21K Tanana, KVN Kaiserville, LOGN Logan Glacier, etc.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like ILAR Eielson Array, P30M Million Dollar, G06A Carlson Farm, etc.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like L29M L29M, C21K Knifeblade Ridge, SPR3 Spring Creek 3, etc.

3d 11h

Table with columns for station ID, name, frequency, and other technical details. Includes stations like W18A, NLU, HVU, Q16A, E27K, etc.

2018 APR

Table with columns for station ID, name, frequency, and other technical details. Includes stations like KBL, KBL, BVAR, BRVK, ACCSO, etc.

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Table with columns for station ID, name, frequency, and other technical details. Includes stations like ATHU, LIT, ARSA, IDI, IDI, etc.



NNC 03 11:40:38.2±1.4, 51.94N;75.53E, h0km, mb3.1, mpv2.7, Error ellipse: s-maj=89.5km s-min=3.7km az=26.0, Suspected Mining explosion.

IDC 03 11:40:40.8±0.9, 51.79N;75.57E, h0km, mbtmp2.6/3, ML 1.5/3, Error ellipse: s-maj=21.5km s-min=7.2km az=28.0

ISC 03 11:40:37.8±0.1, 51.71N;0.175±18E;0.08h0km, n9, ±108.11, GC-20, Eastern Kazakhstan

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Contains data for stations like KURBB Kurchatov Arra, BVAO Borovoye Array, and ZALV Zalesovo Beam.

DJA 03 12:02:48.1±0.4, 10.54S × 117.4E, h10km, M3.9/13, mb4.6/3, MLv3.6/3, South of Bali

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Contains data for stations like JAGI Ajang, ABJI Aseng Bagus, and EDFI Endre, Flores.

JMA 03 12:05:19.5±0.0, 33.0N;0.1131±1E;0.1h10km, MV0.7/30, NE KUMAMOTO PREF, Kyushu

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Contains data for station JTA Tamana.

NEIC 03 12:06:10.9±2.1, 36.78N;0.05140±8E;0.1, h96km, 7km, mb4.1/18, Error ellipse: s-maj=12.6km s-min=7.5km az=106.0

IDC 03 12:06:11.7±1.6, 36.67N;140.55E, h106km, 14km, mb3.5/14, mbtmp3.9/17, MS3.2/1, Error ellipse: s-maj=17.6km s-min=9.9km az=66.0

JMA 03 12:06:11.4±0.1, 36.8N;0.3140±7E;0.6, h95km, MD3.8/35, MV4.0/35, NORTHERN IBARAKI PREF

JMA Feit J1 at NORTHERN IBARAKI PREF. NIED 03 12:06:11.4, 36.75N;140.77E, h95km, MW3.9 Moment Tensor Solution, s3 Moment tensor: Scale 10^14Nm, Mw=3.03, Ms=6.04, Mw-3.01, Mw-0.97, Mw-2.05, Mw-4.19; Fault plane solution: M7.07000x10^14 NP1: phi=221.00000°, delta=70.00000°, lambda=137.00000° NP2: phi=113.00000°, delta=50.00000°, lambda=27.00000°

ISC 03 12:06:10.5±0.6, 36.77N;0.04140±7E;0.05, h97km, 5km, n111, ±133/34, mb4.0/26, 14D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Contains data for stations like JHO Hitachi, ONAJ Iwakimizuishiy, and JAG Ashikaga.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Contains data for stations like MJAR Matsushiro, MAJO Matsuhiro, and JSD Sado.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Contains data for stations like SONM Songino Array, H1N2 WAKE ISLAND Hy, and H1N1 WAKE ISLAND Hy.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Contains data for stations like MK31 Makanchi Array, CHGN Chignik, and KURK Kurchatov.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Contains data for stations like D19K Kuna River, E19K Redstone River, and PMG Fort Moresby.

IDC 03 12:07:45.0±0.8, 20.66S;67.68W, h158km, 9km, mb3.8/6, mbtmp3.1/2, MS2.7/1, Error ellipse: s-maj=17.9km s-min=8.4km az=102.0

NEIC 03 12:07:46.1±2.3, 20.65S;67.67W, h169km, 7km, mb4.6/28, Error ellipse: s-maj=10.7km s-min=8.0km az=81.0

GUC 03 12:07:46.4±0.6, 20.68S;68.00W, h184km, 3km, ML4.3 SCB 03 12:07:46.1±1.4, 20.70S;67.89W, h165km, 12km, ML4.6/4, MW4.8, Error ellipse: s-maj=3.8km s-min=3.1km az=0.0

SJA 03 12:07:46.3±1.8, 20.67S;67.84W, h150km, ML4.3, MW4.2 VAO 03 12:07:46.4±0.4, 20.55S;67.75W, h168km, mb4.4

ISC 03 12:07:45.7±0.6, 20.57S;0.03367±91W;0.04h173km, 6km, n188, ±192/231, mb4.3/1, 13C, Southern Bolivia

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Contains data for stations like PB08 IPOC Station P, PB08 IPOC Station S, and PB09 IPOC Station P.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Contains data for stations like SOEO Opoqueri, PATCX Punta Patache, and TA02 Huaiquique.

3d 12h

Table with columns: Code, Station Name, Az, El, P, S, Time, Res, ISC. Includes stations like PB16, PB17, PB18, etc.

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Table with columns: Code, Station Name, Az, El, P, S, Time, Res, ISC. Includes stations like G009, G010, G011, etc.

200

Table with columns: Code, Station Name, Az, El, P, S, Time, Res, ISC. Includes stations like TWD, NCUH, NFF, etc.

NOU 03:12:28:25.7, 40:06S:173:63E, h198km, MLV3.8/12, Cook Strait, New Zealand

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

201

2018 APR

3d 12h

Table with columns for station names and various data points, including codes like LREZ, NEZ, PKE, etc., and values such as 0.90, 1.28, 1.01, etc.

Table with columns for station names and various data points, including codes like SOEI, BKSI, PLAI, etc., and values such as 3.22, 3.27, 3.52, etc.

ROM 03 12:42:02.5:0.0,43°45'N;0°00'3"-12°45'E;0°00'3", h8km,ML1.1/58,Error ellipse: s-maj=0.2km s-min=0.2km az=203.0,Central Italy

Main table with columns for Code, Station Name, Az, Phase ID, Time Res, and various data points. Includes stations like ATRC, ATPC, ATPI, etc.

Table with columns for station names and various data points, including codes like ATCC, ARVD, CPGN, etc., and values such as comp=N,504um,1.1s, 0.35 82, etc.

ROM 03 12:42:57.3:0.1,43°45'4N;0°00'3"-12°46'E;0°00'5", h9km,ML1.3/10,Error ellipse: s-maj=0.3km s-min=0.2km az=121.0,Central Italy

Main table with columns for Code, Station Name, Az, Phase ID, Time Res, and various data points. Includes stations like ATPI, ATPV, ATVO, etc.

Table with columns for station names and various data points, including codes like IDC, DIA, ISC, etc., and values such as 12:34:55.5, 8.3, 7.87S, etc.

IDC 03 12:43:53.4:10.0,35:41N,69:51E,h0km,mb4,1/2, mbmp3.9/5,ML3.1/3, Error ellipse: s-maj=166.7km

s-min=51.8km az=162.0

ISC 03 12:44:13.9:2.2,36:6N,02:69:39E,0:10,h100km,m14, o173/16,2C-1D,Hindu Kush region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include KK31 Kararay Array, UCH Uchtor, EK52 Erkin-Say, AAK Ala-Archa, CHMS Chumysh, USP Ospenovka, TKM2 Tokmak 2, GEYT Alibeck, MKAR Makanchi Array, AB31 Akbulak array, AB31 Akbulak array, AB31 Kurchatov Arra, BVAR Borovoye Array, ZALV Zalesovo Beam, ARCES ARCES Array B.

NEIC 03 12:48:47.7:1.0,36:42N,0:01:96:88W,0:02,h10km,6km, Error ellipse: s-maj=2.4km s-min=0.8km az=54.0

TUL 03 12:48:47.0:8.36:41N,0:01:96:87W,0:02,h5km,4km, ML2.6,mb\_Lg2.5/34(NEIC),ML2.6/53(NEIC), Error ellipse: s-maj=1.9km s-min=1.4km az=67.0, Oklahoma

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include OK048 Pawnee Station, QUOK Quay, OK033 Mehan, OK052 Battle Ridge R, BLOK Blackwell, T35A Sooner Cattle, DEOK Depew, KAN13 South Haven SW, OK029 Liberty Lake, ADOK Arcadia Dam, CROK Carrier, GC02 Grant County #, TUL3 Leonard, KAN01 Argonia South, KAN14 Manchester OK, KS21 Milan North St, KS21 Milan North St, KS21 Milan North St, FNO Franklin, W35A Tecumseh, RLO Rose Lookout, CSTR Hydro, Custer, U38A Winter Ranch, U38A Gravette, ELIS Ellis County, X37A Clayton, WMOK Wichita Mountains, HHR Hobbs, LOOK Love County, R32A Long Quarter, KSU1 Kansas State U, KSU1 Kansas State U, S39A Bolivar, MIAR Mount Ida, CBKS Cedar Bluff, MGMO Mountain Grove, PLPT Palo Pinto, FCAR Ozark Folk Cen, FCAR Ozark Folk Cen, WHAR Woolly Hollow, WHAR Woolly Hollow, UALR University of Arkansas, APMT Aspermont, R40A Maddies Statio, P38A Dawn, P40A Paris, N38A Joes South For, FVM French Village.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include CGM3 Cape Girardeau, SDCO Great Sand Dun, N23A Red Feather Lr.

ISN 03 13:21:50.5:0.8,32:97N,46:00E,h6km,183km,ML3.0 TEH 03 13:21:51.3,32:95N,45:99E,h10km,65km,ML2.8 ISC 03 13:21:51.1,3,32:96N,0:04:45:96E,0:05,h7km,14km, n9, s1819/13, Iraq

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include IBDR Badra, IBDR Badra, IBDR Badra, RAFI Al-Rafai, BHD Baghdad, IGHG Ghaleghazi, IGHG Ghaleghazi, KGS1 Ghaser-e-Shirin, KCHF Cheshme Sefid, IKFM Kafar-mosalmari, IDHR Dehraz, IDHR Dehraz.

TAP 03 13:22:59.7,24:41N,121:74E,h5km,ML1.0,C, Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include ENA Nanau, EWUT Wuta, EAHA Aohua, EAHA Aohua, LAHG Datong, LATG Datong, NACB Ninganchiao, ENL Fush Village, ENT Nioudou, ENT Nioudou, NDT Datong Townshi, NDT Datong Townshi, ETLH Xiulin Townshi, ETLH Xiulin Townshi, NNSB Datong, NNSB Datong, NNS Nan Shan, TWD Chiawan, EGS, WHF Hehuan Shan, CHGB Renai.

JMA 03 13:23:29.4:0.3,25:2N,2:12:3E, h165km, MV1.8/6, NW OFF ISHIGAKIJIMA IS, Northeast of Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include IRIF Iriomote-Funau, JISG Ishigakijima, JISG Ishigakijima, JISG Ishigakijima, JIRS Kuro-shima, JIRS Kuro-shima, JIRB Irabujima.

NEIC 03 13:23:46.1:1.7,5:67S,0:09:151:6E,0:1,h10km,1km, mb4,6/35, Error ellipse: s-maj=24.3km s-min=10.7km az=122.0

IDC 03 13:23:50.2:3.5:49S,1:51:46E,h48km,19km,mb4,0/18, mbmp4.3/19,ML2.6/1,MS3.5/25,E, Error ellipse: s-maj=23.5km s-min=12.3km az=100.0

DJA 03 13:23:56.0:1.6,6:5S,8:15:1E,1:5,h72km,12km,MS2/7, mb5.8/1,mb4.9/7,MLVs:4/1, MW(MB)5.4/1, ISC 03 13:23:51.5:0.5,5:67S,0:09:151:56E,0:07,h57km,n105, o1545/94,mb4.5/40,MS3.4/23, 1C, New Britain region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include BULU Kimbe, I40PG Keravat, I40PG Keravat, RABL Rabaul, RABL Kavieng, MANI Manus Island, PMG Port Moresby, PMG Port Moresby, PMG Port Moresby, PMG Port Moresby, HNR Honiara, JAY Jayapura, COEN Coen, COEN Charters Tower, QIS Mount Isa, QIS FAKI, KDU Kakadu, GUMO Guam, MTN Mantion Dam, MTN Mantion Dam, MTN Mantion Dam, DZM Mont Dzumac, WLRB Tennant Creek, WRAP Kulpie, WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, AULRC Lightning Ridge, INKA Tennant Creek, KNRA Kununurra, KNRA Kununurra, KNRA Kununurra.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, CMSA Colmar Meteorol, OOD Oodnadatta, SOEI Soe, LCRK Leigh Creek, STKA Stephens Creek, STKA Stephens Creek, BATI Baumata, FITZ Fitzroy Crossi, DAV Davacy (W), LUWI Luwuk, WRKA Warukana, HTT Hallett, BBOD Buckleboo, TOL2 Toltitei, TOL2 Toltitei, FORT Correa, MBWA Marble Bar, MBWA Marble Bar, PSAAO Pilbara Seismi, PSAAO Pilbara Seismi, PSAAO Pilbara Seismi, PSAAO Pilbara Seismi, KKM Kota Kinabalu, KKM Kota Kinabalu, MEEK Meekatharra, JOW Jungkang, URZ Urewera, JHJ Hachijo jima 2, NWAO Nanrogin (S/O), YHNB Yeheng, YHNB Yeheng, JNU Nakatsue, MJAR Matushiro Arr, MJAR Matushiro Arr, MJAR Matushiro Arr, MJAR Matushiro Arr, KSRS Korea Array, KSRS Korea Array, NJ2 Nanjing, NJ2 Nanjing, ASAJ Asahikawa, XAN Xian, XAN Xian, CRAI Chiangrai, CRAI Chiangrai, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, KLR Kuldur, PZH PanZhihua, PZH PanZhihua, PETK Petropavlovsk, PETK Petropavlovsk, HHC Hu-ho-hao-te, HHC Hu-ho-hao-te, MA2 Magadan, SONM Songino Arra, SONM Songino Arra, SEY Seychann, VNSA Vanda, VNSA Vanda, VNSA Vanda, TIXI Tixi, MKAR Makanchi Array, J20K Novitva River, CAST Castle Rocks, C18K Utkuk River, RAGL Zalesovo Beam, I23K Ragged Mountain, I23K Ragged Mountain, CCB Clear Creek Bu, BOOM Boomsyoke usch, IL3I Elselson Array, ILAR Elselson Array, IL03 Elselson Array, KURBB Kurchatov Arra, KURBB Kurchatov Arra, BARN Barnard Glacier, BARN Barnard Glacier, MRAW Mawson, MRAW Mawson, OSPA South Pole Qu, M27K Edge Creek, AK.

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 Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl.

GCG 03 13:26:50.3-0.9, 13:32N-89.17W, h0km, 26km, MD4.1
SNET 03 13:26:52.0-0.6, 13:28N-89.21W, h72km, 3km, ML4.2
CATAC 03 13:26:53.0-0.3, 13:25N-89.22W, h49km, 4km, ML4.3
IDC 03 13:26:53.5-2.1, 13:72N-88.87W, h86km, 25km, mb3.0/2,
mbmp3.5/4, MS3.2/2, Error ellipse: s-maj=79.8km
s-min=22.8km az=43.0

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl.

Table of astronomical observations for 3d 14h, listing stations like ITQB, SADO, UNIS, HMU, PFO, PKCU, SRU, BSUT, PLCA, PLCA, PDAR, PDAR, PDAR, HWUT, BGU, ELK, ELK, NV11, NVAR, NVAR, ULM, ULM, RIB01, WVOR, JO5D, NEW, SCH0, FCC, FCC, TAOE, BBB, FRB, YKA, YKA, PPT, PPT2, PPT2, PPT2, SFJD, TBI, PMSA, L29M, RES, G31M, BCAR, A36M, G29M, L26K, J26L, SUMG, SUMG, E28M, E27K, ILAR, ILAR, ILAR, KDKA, BORG, BMAR, E25K, RAR, MDT, ESDC, ESDC, EKA, BELA, TORD, SPITS, SNA, NOA, HFS, QSPA, QSPA, GERES, SHEM, VRAC, FINES, Vnda, BVAR.

Table of astronomical observations for KURSB, SONM, MKAR, KSR5, ASAR, WRA, KNRA, CMAR.

AEIC 03 14:04:23.1, 5.999N; 0.04, 161.92W; 0.05, h24kmz, 7km, ML3.6, ML3.6/86(NEIC), Error ellipse: s-maj=6.2km s-min=3.4km az=202.0 NEIC 03 14:04:23.5, 1.2, 60.00N; 0.02, 161.90W; 0.04, h10kmz, 1km, Error ellipse: s-maj=4.4km s-min=3.0km az=215.0 ISC 03 14:04:23.6, 0.1, 59.58N; 0.03, 161.97W; 0.03, h20kmz, 2km, s=160, c=881/165, Southern Alaska

Table of astronomical observations for Code, Station Name, Az, Alt, Op, Phase, ID, Time, Res, h, m, s, ISC, P, N, S, I, O, M, L, R, A, K, H, C, P, B, F, G, J, L, M, N, P, Q, R, S, T, U, V, W, X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, BP, BQ, BR, BS, BT, BU, BV, BW, BX, BY, BZ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CT, CU, CV, CW, CX, CY, CZ, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GG, GH, GI, GJ, GK, GL, GM, GN, GO, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IU, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JQ, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ, KK, KL, KM, KN, KO, KP, KQ, KR, KS, KT, KU, KV, KW, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TT, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UV, UW, UX, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ.

Table of astronomical observations for O18K, O18K, L18K, L18K, L18K, L18K, P18K, P18K, ANCK, AN19K, N19K, N19K, KAHC, KAHC, O19K, ACHA, ACHA, M19K, M19K, S12K, J18K, J18K, A19K, A19K, Q19K, P19K, P19K, ILSW, ILSW, IVE, NCT, PNTA, RSO, L20K, L20K, DFR, H16K, H16K, Q20K, M20K, M20K, M20K, SPNN, ANM, ANM, ANM, SPCR, J19K, J19K, K20K, K20K, K20K, H17K, H17K, SYI, G15K, G15K, FALS, STLK, ISNN, OHAK, CNBA, CNBA, KDKA, ISLZ, CHIR, CHIR, G16K, CHM, H18K, SKT, SKT, PPLA, BRLL, SUA, CAST, CAST, F14K, F15K, I20K, CHUM, CHUM, CH19K, KTH, G19K, G19K, RKNK, I21K, H21K, E19K, CCB, F21K, C16K, H24K, E22K, SCRK, G24K, F24K, FOLK, BMAR, G29M, E29M.

G30M tAoh Zraii Nji 13.38 48 Pn Pn 14 07 31.8 -0.4

NOU 03 14:06:10.8,37.61S:176.57E,h327km,MLV3.5/8, North Island, New Zealand
WEL 03 14:06:27.3,38.5S:127.6E,1.5,h192km,20km,M2.7/42, MLV2.7/42, Error ellipse: s-maj=0.0km s-min=0.0km az=118.4

ISC 03 14:06:22.9,1.7,38.01S:0.07x176.31E:0.06,h200km, n101, z245/94, North Island

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, h m s ISC. Lists various stations like OHineapeana, KMRZ, MUGZ, etc.

IDC 03 14:25:38.0,3.2,4.59S:102.51E,h0km,mb5.5/5, mbmp3.5/5, Error ellipse: s-maj=152.6km s-min=21.7km az=55.0

DJA 03 14:25:46.1,0.6,5.5S:107.3E,1,h27km,7km,M3.8/4, MLV3.8/4

ISC 03 14:25:47.1,1.3,4.4S:0.3x102.8E:0.2,h63km,10km,n12, z0536/11, mb3.2/5, Southern Sumatra

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, h m s ISC. Lists stations like MNAI, LWLI, PPSI, etc.

DJA 03 14:37:18.6,0.4,7.3S:133.0E,1,h179km,9km,M4.1/10, mb3.9/8, mb4.8/2, MLV4.1/10, Mw(mb)4.0/2

ISC 03 14:37:19.9,1.2,6.77S:0.09x129.73E:0.09,h150km,n15,

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

IDC 03 14:39:25.9,1.4,39.85N:76.91E,h0km,mb3.8/12, mbmp3.9/18, ML3.3/6, MS3.2/7, Error ellipse: s-maj=23.5km s-min=18.3km az=162.0

SOME 03 14:39:25.6,40.08N:76.72E,h15km, NNC 03 14:39:28.6,0.9,40.24N:76.71E,h0km,mb4.5,mpv4.2, Error ellipse: s-maj=6.4km s-min=5.1km az=159.0

KRNET 03 14:39:29.8,0.1,40.23N:76.70E,h16km,mb4.1, NEIC 03 14:39:34.0,1.4,40.23N:0.07x76.76E:0.10,h35km,2km, mb4.6/8, Error ellipse: s-maj=13.9km s-min=10.1km az=123.0

ISC 03 14:39:28.9,0.5,40.18N:0.03x76.64E:0.02,h10km,n140, z219/184,mb4.0/16,MS3.5/3,41C-19D, Kyrgyzstan-Xinjiang border region

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

IDC 03 14:25:38.0,3.2,4.59S:102.51E,h0km,mb5.5/5, mbmp3.5/5, Error ellipse: s-maj=152.6km s-min=21.7km az=55.0

DJA 03 14:25:46.1,0.6,5.5S:107.3E,1,h27km,7km,M3.8/4, MLV3.8/4

ISC 03 14:25:47.1,1.3,4.4S:0.3x102.8E:0.2,h63km,10km,n12, z0536/11, mb3.2/5, Southern Sumatra

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

IDC 03 14:37:18.6,0.4,7.3S:133.0E,1,h179km,9km,M4.1/10, mb3.9/8, mb4.8/2, MLV4.1/10, Mw(mb)4.0/2

ISC 03 14:37:19.9,1.2,6.77S:0.09x129.73E:0.09,h150km,n15,

Table with columns: ARSB, Arslanbob, baz=92, Time Res, h m s ISC. Lists stations like ARSB, ARSB, ARSB, etc.

Table of station data for the 3d 15h period, including columns for station name, coordinates, and various parameters like elevation and signal strength.

Main table of station data for the 2018 APR period, including columns for station name, coordinates, and various parameters like elevation and signal strength.

Table of station data for the 206 period, including columns for station name, coordinates, and various parameters like elevation and signal strength.



Table with columns: KOTS, Kotyrbulak, 4.02 29 Pg Pg, 15 15 07.8 -0.2, etc.

DJA 03 15:21:05.0, 3.7, S, 3.13, 0E, h163km, 6km, M4, 2.9, mb3.9/8, mB4.8/1, MLV4.3/9, Mw(mb)4.0/1, IDC 03 15:21:17.9, 7.0, 7.66S, 128.81E, h257km, 67km, mb3.2/4, mbmp3.8/6, Error ellipse: s-maj=7.5km s-min=24.0km az=56.0

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

NEIC 03 15:23:16.5, 0.5, 36.455N, 0.007, 96.85W, 0.02, h5km, 1km, Error ellipse: s-maj=2.9km s-min=2.4km az=263.0

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

Table with columns: X37A, Clayton, 2.23 146 Iamb\_Lg, 15 24 28.3, etc.

BJI 03 15:37:35.5, 0.0, 26.88N, 127.24E, h39km, mb4.2/35, mB4.5/17, ML4.0/2, Ms4.1/24, Ms7.3/9/26, IDC 03 15:37:35.1, 0.7, 27.51N, 126.95E, h0km, mb3.9/12, mbmp3.9/12, MS3.4/29, Error ellipse: s-maj=25.5km s-min=13.2km az=49.0

JMA 03 15:37:35.6, 0.3, 27.5N, 0.7, 126.9E, 0.8, h26km, 3km, MV3.3/10, NW OFF OKINAWAJIMA IS

NEIC 03 15:37:36.7, 0.8, 27.4N, 1.1, 126.99E, 0.03, h10km, 1km, mb4.5/10, Error ellipse: s-maj=19.9km s-min=4.6km az=185.0

ISD 03 15:37:40.5, 0.5, 27.32N, 0.06, 126.95E, 0.05, h35km, n72, c175/52, mb4.2/24, MS3.5/30, 3C, Northwest of Ryukyu Islands

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

Table with columns: KLR, 5.6nm, 1.0s, baz=187, slow=7.6, SNR=8.3, LR LR, 15 50 43.9, etc.

IDC 03 15:49:39.2, 0.3, 33.96N, 84.90E, h0km, mb3.3/3, mbmp3.5/7, ML2.8/3, Error ellipse: s-maj=63.7km s-min=20.8km az=67.0

ISD 03 15:49:44.1, 1.8, 34.0N, 0.2, 84.8E, 0.3, h35km, n7, c15/17, mb3.2/3, Xizang

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





3d 16h

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Date, Time, and other parameters. Includes entries like M57A Sunshine Farm, WUAZ Wupatki, ISCO Idaho Springs, etc.

2018 APR

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Date, Time, and other parameters. Includes entries like MDP Montagnes des, YNR Norris Junction, HLID Hailu, etc.

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Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Date, Time, and other parameters. Includes entries like M31M Drury Creek, N31M Braeburn, N31M Braeburn, etc.

Table with columns: Station Name, Frequency, Mode, Class, Power, Azimuth, Elevation, and other parameters. Includes stations like HDA, WAT1, IL31, etc.

Table with columns: Station Name, Frequency, Mode, Class, Power, Azimuth, Elevation, and other parameters. Includes stations like J19K, C23K, F21K, etc.

Table with columns: Station Name, Frequency, Mode, Class, Power, Azimuth, Elevation, and other parameters. Includes stations like KSRS, MKAR, HHC, etc.

IDC 03 16:06:18.7±1.7, 14.99S×176.99W, h0km, mb3.9/6, mbtm3.9/6, MS3.8/9, Error ellipse: s-maj=124.4km

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DZM, RAR, HNR, etc.

NEIC 03 16:25:55.2±2.2, 20.8S; 0.1x176.31W; 0.10, h203km, 7km, mb4.5/42, Error ellipse: s-maj=17.9km s-min=12.7km

IDC 03 16:25:57.0±5.2, 20.69S; 176.46W, h221km, 49km, mb3.7/9, mbtm4.4/10, Error ellipse: s-maj=25.6km s-min=14.5km

NOU 03 16:25:57.4, 20.59S; 176.04W, h238km, mb4.5/18, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TAVE, MSFV, NIUE, etc.

3d 16h

2018 APR

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Time, Res, S, P, Iamb, Iamb. Rows include stations like East Tongariro, Cape Kidnapper, Whianhoa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Time, Res, S, P, Iamb, Iamb. Rows include stations like Dusty Glacier, Mount Kennedy, Million Dollar, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Time, Res, S, P, Iamb, Iamb. Rows include stations like Granite Creek, White River, Somme Creek, etc.

AEIC 03 16:36:39.2, 1.0, 60.382N, 0.010:137.81W, h0km, h0km, 6m, Error ellipse: s-maj=2.2km s-min=0.9km

NEIC 03 16:36:39.9, 1.3, 60.39N, 0.01:137.83W, h0km, h5km, 2km, mb4.3/2, M.L4.0/144, M.w3.9/44, M.L3.9(AEIC), Mw4.1(OTT), Error ellipse: s-maj=3.0km s-min=2.5km az=287.0, Moment Tensor Solution. Moment tensor: Scale 10^14Nm; Mr=0.48; Mw=4.86; Mw5.35; Mw=1.67; Mw5.24; Mw2.22; Fault plane solution: M0:8.4000x10^14 NP1: 0.158.90000, 84.31000, -1.59.73000. NP2: 0.66.81000, 86.9.83000, -1.6.07000. Principal axes: T 7.7039, P1g10.0000, Azm291.0000; N 0.0639, P1g6.0000, Azm174.0000; P -7.8678, P1g18.0000, Azm25.0000.

WAX Waxed Ridge 2.51 273 Sunshine Point 2.52 267 IAML 16 37 21.4 +1.1 16 37 21.5 +1.1 16 38 00.0

Table with columns for station call signs, frequencies, names, and coordinates. The table is organized into vertical columns for readability, listing various stations like BGLC, M27K, DLBC, etc., with their respective details.

3d 16h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time Res, Res ISC. Includes stations like Stokes Point, Malcolm River, Tatolina, Poorman, Poorman, Katmai Knife C, etc.

IDC 03 16:38:10.6z, 2.395N-81.83W, h0km, mb3.4/4, mbmtmp3.6/5, ML4.2/1, MS3.4/6, Error ellipse: s-maj=349.5km s-min=25.4km az=61.0, South of Panama

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time Res, Res ISC. Includes stations like JTS, NNA, TEIG, CMIG, LPAZ, etc.

IDC 03 16:41:05.4z, 4.8, 5.15S-151.00E, h155km, 35km, mb3.1/3, mbmtmp3.6/4, MS3.2/1, Error ellipse: s-maj=71.8km s-min=29.2km az=113.0, New Britain region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time Res, Res ISC. Includes stations like PMG, WRA, DZM, ASAR, etc.

UCR 03 16:58:32.5z, 1.4, 0.51S-84.15W, h20km, MB4.8(NEIC) IDC 03 16:59:15.0z, 0.7, 2.72N-84.41W, h0km, mb4.1/13, mbmtmp4.2/19, ML3.1/5, MS4.3/5, Error ellipse: s-maj=24.9km s-min=13.6km az=57.0 NEIC 03 16:59:17.3z, 1.7, 2.72N-0.08z, 84.4W, 0.1, h10km, 1km, mb4.8/145, Error ellipse: s-maj=19.3km s-min=11.1km az=246.0 RSNC 03 16:59:19.9z, 0.9, 3.1Nz, 2.8Wz, h23km, 9km, mb5.0,

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mB5.4, ML4.0, Mw(mb)4.8, MwMwp4.8, Mwp5.1 GCMT 03 16:59:20.3z, 0.1, 2.71N, 0.01z, 84.43W, 0.01, h12km, MW5.1/125, Moment Tensor Solution. s75.c116; s125.c197; Duration: 0 Moment tensor: Scale 1016Nm; Mn-4.05z, 10; Mxx-4.99z, 07; Myy-0.94z, 11; Mzz-9.8z, 22; Mxy-1.05z, 08; Myz-1.77z, 30; Best double couple: M6.36600x10^16 NP2z, 249.000000, 867.000000, lambda-101.000000, NP2z, 95.000000, 825.000000, lambda-66.000000. Principal axes: T 6.8310, P1g21.0000z, Azm347.0000z, N-0.9350, P1g10.0000z, Azm255.0000z; lambda-5.9000, P1g66.0000z, Azm140.0000z; nsta1 refers to body waves, cutoff=40s; nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 03 16:58:18.9z, 0.2, 6.24N, 0.05z, 84.46W, 0.05, h26km, n271, c1579/176, mb4.8/81, MS4.3/50, 1D, Off coast of central America

Main station list table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time Res, Res ISC. Includes stations like TUMC, CACAO, GMAL, PACI, GRIC, etc.

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Main station list table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time Res, Res ISC. Includes stations like PAMC, APG, SDV, SDV, SDV, etc.





3d 17h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TORO Torodi Ar, Bea and YKA Yellowknife Ar.

SOME 03 17:31.21.6, 38.53N-70.52E, h0km, 3C-1D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IUG luzhny and MRKS Merke.

UCR 03 17:33.04.1+1.3, 5:87N-82:54W, h15km, MW4.3, IDC 03 17:33.05.3+0.8, 6:01N-82:54W, h0km, mb4.0/1.3

Technical details for UCR and IDC stations including station names, coordinates, and parameters like s-maj, m, and N.

RSNC 03 17:33.06.3+0.4, 6:1N+2:8'3W, h0km, mb4.9, MB5.3, ML3.5, MW(MB)4.7

Technical details for RSNC station including station name, coordinates, and parameters like s-maj, m, and N.

ISC 03 17:33.05.9-3.2, 6.00N-104.82:54W, h10km, m21km, n279, s1936/291, mb4/68, MS3.8/21.2C-1D, South of Panama

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists numerous stations in the Panama region.

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Main table with columns: UPA, Univ. de Panam, Az, Az', Phase ID, Time, Res. Lists stations from the University of Panama.

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Table with columns: Z47A, HND0, PAULI, etc. Lists various other stations and their parameters.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes entries like EGMT Egleton, LYMT Lyon Mountain, WWOR Wild Horse Val, etc.

VAO 03 17:51:10.3,0.0,8,27.11s,72.81W,h10km,mb4.4, SJA 03 17:51:24.0,0.8,26.54Sx:71.35W,h20km,6km,ML4.6, MW4.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes entries like AC01 Pan de Azucar, AC06 Mina Casimiro, G003 Copiap, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes entries like AC02 Maricunga, AC02 Mina Guanaco, G002 Mina Guanaco, etc.

VAO 03 17:51:25.0,0.8,26.55Sx:71.22W,0.05,h6km,4km, n84,+1980/102,mb4.2,9,MSS3.7,2C-5D,Off coast of north Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes entries like ROSC El Rosal, MDP Montañas des, PCRV Puerto La Cruz, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes entries like NVAR Mina Array Bea, MAW Mawson, TORO Torodi Arr, etc.

NEIC 03 18:01:05.3:1.9, 17.7S:0.1x178.02Wv:0.09,h542km,9km, mb4.5/42, Error ellipse: s-maj=18.0km s-min=12.7km

IDC 03 18:01:17.1:12.0, 17.45S:178.72W,h669km,171km, mb3.1/8, mbtmp4.0/8, Error ellipse: s-maj=59.7km s-min=24.9km az=92.0

ISC 03 18:01:06.5:0.5, 17.65S:1x178.19W,0.09,h550km,n56, r124/56,mb4.4/30,Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes entries like MSFV Non savu, AFI Afifatu, NIUE Niue, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GKS1 Ghasr-e-Shirin, IDHR Dehrash, IGHG Ghaleghazi, etc.

IDC 03 18:20:20.6,0.9,30.62N,57.24E, h0km, mb3.7/14, mtbpm3.7/19, ML3.4/5, MS3.0/2, Error ellipse: s-maj=19.0km s-min=17.3km az=9.0

TEH 03 18:20:21.0, 30.72N, 57.37E, h0km, 48km, ML3.8, ISC 03 18:20:21.9, 1.6, 30.71N, 0.04, 57.35E, 0.04, h8km, 11km, n47, -1811/49, mb3.7/14, Northern and central Iran

Main table of station data for Iran region, including stations like KRM1 Keran Provinc, ZRDN Zaraned Keran, KHGB Koh Gabri, etc.

WEL 03 18:37:24.6,1.2,33.5,24.17,9E,37,h280km,47km, M4.0/10, mB4.5/7, ML4.2/12, MLV4.2/10, Mw(mB)3.7/7, Error ellipse: s-maj=0.1km s-min=0.0km az=118.6, confirmed, South of Kermadec Islands

Table of station data for the South of Kermadec Islands region, including stations like MXZ Matakoqa Point, WMGZ Waioamatatini S, WMGZ Te Kaha, etc.

Table of station data for the Pacific region, including stations like RTZ Ruatahuna, SNZG Shannon Statio, PRGZ Paritu Road, etc.

BGR 03 18:54:47.9, 21.38S, 176.18W, h33km, NEIC 03 18:55:02.9, 2.3, 21.35S, 0.05, 176.40W, 0.09, h149km, 5km, mb4.6/166, Error ellipse: s-maj=13.2km s-min=3.1km az=117.0

NOU 03 18:55:03.0, 21.57S, 176.08W, h127km, mb4.7/14, Fiji Islands Region

IDC 03 18:55:08.3, 2.5, 21.23S, 176.52W, h198km, 22km, mb4.0/21, mtbpm4.5/23, MS3.6/1, Error ellipse: s-maj=12.9km s-min=9.4km az=137.0

ISC 03 18:55:06.7, 1.1, 21.39S, 0.06, 176.42W, 0.06, h190km, 9km, n594, -0889/594, mb4.5/105, 46C-26B, Fiji Islands region

Main table of station data for the Pacific region, including stations like TAVE Taveuni, MSVF Nonavu, MSVF Nonavu, etc.

Main table of station data for the Pacific region, including stations like FAKI Fak Fak, FITZ Fitzroy Crossi, SBA Scott Base, etc.

Table with columns for station ID (e.g., K05A, M11K), name (e.g., Summer Lake, Mekoryuk), elevation (e.g., 81.75), and other metrics (e.g., 38, P, P, 19 07 05.2 +0.9).

Table with columns for station ID (e.g., U33K, L20K), name (e.g., Whale Pass, Farewell, AK), elevation (e.g., 85.44), and other metrics (e.g., 23, P, P, 19 07 22.1 -0.3).

Table with columns for station ID (e.g., G18K, L26K), name (e.g., Tagagawik, Log Cabin Wild), elevation (e.g., 88.06), and other metrics (e.g., 7, P, P, 19 07 34.6 -0.3).

3d 19h

Table with columns: Call sign, Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like SHLDN Lake, HU-hao-te, C19K Lookout Ridge, etc.

2018 APR

Table with columns: Call sign, Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like SORM Soroca, BEL Belsk, BSEG Bad Segeberg, etc.

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Table with columns: Call sign, Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like WLF, CONA Conrad Observa, CONA, etc.

19C 19:01:43.2, 3.8, 34.12N:24.15E, h0km, mb3, 9/8, m1btp3, 8/10, ML4, 2.0 Error ellipse: s-maj=74.1 km s-min=26.9 km az=31.0

THE 03:19:01:49.8, 34.25N:24.32E, h1km, 1km, ML2, 9/6, Error ellipse: s-maj=2.0km s-min=0.8km az=205.0

AFAD 03:19:01:50.2, 0.0, 34.63N:24.30E, h5km, 4km, ML3.3 ATH 03:19:01:51.4, 34.23N:24.21E, h27km, 2km, ML3.0, Error ellipse: s-maj=5.3km s-min=2.3km az=226.0

ISC 03:19:01:48.6, 1.6, 34.12N:20.08Z:24.37E, 0.005, h34km, 3km, n41, i1987/62, mb3, 8/8, Crete

Table with columns: Code, Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like GVD Gavidhos, GVD Gavidhos, GVD Gavidhos, etc.



3d 22h

Table with columns: Station Name, Azimuth, Elevation, Time, Residual, etc. Includes stations like Snow College, Trail Mountain, North Mineral, Des Bee Dove, etc.

2018 APR

Table with columns: Station Name, Azimuth, Elevation, Time, Residual, etc. Includes stations like Lo Mia Camp, Pinedale Array, Queen of Sheba, etc.

ISC 03 21:50:03.7, 0.8, 3.00N, 0.08:127.8E, 0.1, h100km, n19, r155/20, mb4.1/11, Northern Molucca Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Time, Residual, etc. Includes stations like Ternate, Tolitoli, Faki Fak Fak, etc.

TRN 03 22:12:03.5, 10:67N:62:39W, h63km, MD3.1, Paria peninsula. FUVN 03 22:12:03.4, 10:63N:62:38W, h68km, MWV3.6. ISC 03 22:12:00.4, 1.4, 10:57N:0.05:62.42W, 0.04, h96km, n12km, n14, r171/26, Near coast of Venezuela



Table with 5 columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Puerto La Cruz, Luepa, CAICARA DEL OR, Belin, El Baul.

VAO 03 22:14:48.0,0.9,29.135:68.32W,h10km,mb4.4
IDC 03 22:14:49.0,0.6,28.802:67.98W,h0km,mb4.2/8,
mbmp4.2/11,ML4.4/2,MS3.3/6,Error ellipse:
s-maj=19.9km s-min=14.8km az=93.0

NEIC 03 22:14:55.6,2.2,28.81S:0.05:67.88W,0.08,h42km,8km,
mb4.6/15,Mwr4.1/56,Error ellipse: s-maj=10.5km
s-min=7.7km az=97.0,Moment Tensor Solution. Moment
tensor: Scale 10^19Nm; Mr=1.2; Mtheta=1.3; Mphi=1.25;
Mm=0.05; Mxx=0.09; Myy=1.09; Fault plane solution:
Mr: 6.1000x10^15 NP1: 179.0600; 1866.29000;
1.85.78000; NP2: 9.45000; 824.07000; 1.810.000;
Principal axes: T 1.5493, P1668.0000; Azm1: 80.000; N
0.1237, P14.0000; Azm1: 181.0000; P -1.6730,
P1g21.0000; Azm2: 70.0000;
NEIC 03 22:14:55.7,28.81S:67.88W,h42km
ISC 03 22:14:54.6,1.1,28.745:0.02:67.93W,0.03,h31km,8km,
n147,c1970/178,mb4.6/14,5C-1D,La Rioja Province

Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Anillaco, Cerro La Cruz, Cuesta del Vie, Choyas, Valle Fertil, Rodeo, Punta de Los L, El Transito, Cerro Coronel, Maricunga, Juntas del Tor, Copiap, Reserva Natara, Las Campanas, Mina Casimiro, Chepes, Llanos de Chal, Catayete, San Juan, Tololo Observa, La Serena, Catayete, San Esteban, IPOC Station P, IPOC Station P, Combarbal, Fray Jorge, Mina Guanaco, Peldehue, Bocatomia Ro.

Main station list table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CCHEN, Renca, Universidad Ad, Curacav, Torpederas, LMELES, Talagante, La Punta, Santo Domingo, Popeta, Limon Verde, Sierra Bellavii, Tres Isletas, Palomas, Salto, Villa Florida, Pinedale Array, CRRSM, LPAZ, LPZ, ANPJ, PLTB, ALGR, BBDSD, AQDB, SIV, PTGB, LDASE, PCMB, SALV, VILB, FRTB, ITRB, RCLB, VAO, ARAG, PRDB, GOOB, SAML, SAMU, PARB, IPMB, CZSB, CZSB, BDFB, BDFB, SNDB, EPIA, DIAM, MG03, MG03, MCRA, ITTB, BOAV, BOAV, BAUV, PCRV, TEIG, VNA2, SNAa, SNAa, SNAa, TROLL, GSPA, TXAR, DBIC, DBIC, SUR, TOAO, TOAO, TORO, BOSHA, BOSHA, PDAR, ASAR, WRA, BVAR, KURSB, ZALV, ZALV, MKAR, MKAR.

Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IDC, NEIC, GCMT, GRHM, POGA, SUR, SUR, SUR, BOSHA, BOSHA, BOSHA, LBTB, LBTB, LBTB, OPO, MAW, LSZ, LSZ, SNAa, SNAa, SNAa, VNA3, BELA, QSPA, QSPA, VNA2, VNA2, VNA2, PMSA, H01W2, H01W3, H10S2, H10S3, PALK, TORO, WSAR, LEM, EIF, ASL, MMAL, CPUP, BDFB, STKA, STKA, ASAR, ASAR, WRA, CMAR, BRTR, GNI, AGG, SIV, LVC, KBZ, KVAR, MLR, URZ, LPAZ, ESDC, DAVOX, AKASA, VRAC, GERES, MDP.





Table with columns: PAHR, comp=E, 140nm, 0.3s, IAML, 00 17 43.8, etc. Lists various stations and their associated data.

NEIC 04 00:23:32.6, 2.1, 19.9S; 0.1x1.77:6W; 0.1, h544km, 6gkm, mb4.5/141, Error ellipse: s-maj=16.5km s-min=14.2km az=152.0

NOU 04 00:23:35.3, 19.85S; 177.61W, h573km, mb4.8/26, Fiji Islands Region

ISC 04 00:23:33.5, 0.5, 19.94S; 0.06:177.60W; 0.05, h544km, 5km, h566km, P-P, n636, 0.088/607, mb4.6/111, 51C-40D, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, ISC, h, m, s, ISC. Lists station names like LKBA, DGT1, MSVF, etc.

Main table with columns: CTA, Charters Tower, 33.92 263, P, P, 00 29 31.7 +1.0, etc. Lists numerous stations and their data.

Main table with columns: GLA, Glamis, 79.77 49, P, P, 00 34 42.3 -1.5, etc. Lists numerous stations and their data.



Table with columns: Station ID, Name, Time, Phase, Res, and a large list of station identifiers and codes.

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Res, and a large list of station identifiers and codes.

BJI 04:00:48:57:3:0:29:73Sx177:04W,h11km,mb5.2/33, m5.6/18,Ms5.0/10,Ms7.4/13
IDC 04:00:48:58:2:0:4:30:13S;177:94W,h0km,mb4.8/16, mbmp4.8/19,ML4.2/3,MS4.3/47,Error ellipse: s-maj=15.2km,S-min=11.3km,az=106.0
MOS 04:00:49:02:1:0:9:30:08S;177:73W,h33km,mb5.5/27, Error ellipse: s-maj=10.7km,S-min=8.5km,az=95.5
NEIC 04:00:49:04:3:1:9:30:06S;107:88W,0.1,h37km,4km, mb5.2/183,Error ellipse: s-maj=17.7km,S-min=12.1km, az=81.0
GCMT 04:00:49:06:3:0:2:30:17S;0:0:1:177:51W,0:01,h40km, MWS:2/112, Moment Tensor Solution, s104:c155, s112:c163; Duration: 19.0; Moment tensor: Scale 10^16 Ntu; Mw:6.34; 18; Mw:0.67; 14; Mw:5.68; 12; Mw:5.1; 13; Mw:2.35; 10; Mw:3.65; 12; Best double couple: Mw:45200:10^16 NP1=15:100000:860:00000:1.83:000000; NP2=209:00000:831:00000:1:102:00000:0; Principal axes: T 7.3640,Plg74.0000; Azm266.0000; N 0.1710,Plg6.0000; Azm18.0000; P -7.5400,Plg15.0000; Azm110.0000; nst1 refers to body waves, cutoff=40s; nst2 refers to surface waves, cutoff=50s.
Triangular moment-rate function
NOU 04:00:49:07:4:30:39S;176:87W,h113km,mb5.5/93, Kermadec Islands Region
ISC 04:00:49:08:4:1:5:30:20S;0:04:177:58W,0:05,h40km,4km, h141km,4km,P=1.049,1848/927,mb5.3/153,MS4.5/53, 25C-24d,Kermadec Islands



4d 0h

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like S12K Black Hills, PSTR Posyet, CWC Cottonwood Cre, etc.

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Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like O16K Kokwok River B, Q20K Shuyak Island, I07A Ize, etc.

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Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like L18K Granite Mounta, M19K Big River Lodg, CMAR Chiang Mai Arr, etc.



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4d 0h

Table with multiple columns containing station names, dates, times, and numerical values. Includes sub-headers like L29M, E18K, D17K, etc. at the top of each column group.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like KKAR, IUG, IUG, etc.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like AKASG, AKASG, AKASG, etc.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like DOU, MOA, WLF, etc.

Table with columns: HWUT, S39A, LCAR, PDAR, PDAR, R40A, YHH, BPMT, LYMT, F04A, NEW, SADO, YKA, YKA, SCHO, FRB, H03N2, H03N1, H03N3. Includes station names, coordinates, and status.

IDC 04:00:57-04:00:04.29:91S:177.87W, h0km, mb4.5/13, mbtm4.5/14, ML3.5/1, MS3.9/2, Error ellipse: s-maj=18.0km s-min=16.2km aza=120.0

NOU 04:00:58-07.7.30:07S:176.86W, h325km, mb4.9/30, Kermadec Islands Region

ISC 04:00:57:42.0.0.3, 30.24S, 107:47:69.7W:0.07, h10km, n278, a235/259, mb4.9/47, 4C-6D, Kermadec Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists various stations like Green Lake, Raoul Island, etc.

Table with columns: RPZ, DZM, DZM, DZM, DZM, NOUC, ODZ, RAR, KOUNC, TBI, ARMA, ARMA, MCGD, WOLB, SYDH, EIDS, CANB, MILA, CAN, CAN, PPT2, PPT2, PPT, YNG, RYK, AULRC, TOO, TOO, TOO. Lists various stations and their details.

Main table with columns: PMOR, CMSA, BRAT, TVIH, CTA, CTAO, ARPS, STKA, STKA, MTSU, HTT, LCRK, WHYH, BBOO, BBOO, COEN, QIS, QIS, MUD, MUD, AS31, ASAR, ASAR, ASAR, WRA, WRA, WRA, FORF, FORF, SBA, SBA, Vnda, Vnda, Vnda, KNRA, KNRA, FITZ, FAKI, CASY, PSAD, MBWA, MBWA, MORW, OSPA, OSWA, GIRL, BELA, BELA, KKM, KKM, ELIF, JGF, TROLL, MJAR, SNA, SNA, SNA, SNA, VNA3, VNA2, VNA2, H03S2, H03S1, H03S3, KIWB, ADK, PLCA, KRSR, PETK, GSI, GSI, NJ2, NJ2, NJ2, GMB, QSM, USRK, USRK, LHV, GMM, GMM, NVAR, Y14A, KVN, MDJ, MDJ, MDJ, X16A, BNN, BNN, PINE, PINE, U15A, I07A, G06A, MTPU, TX14, G08A, SPUT, SPUT. Lists various stations and their details.

Table with columns: PLID, PZH, PZH, PDAR, PDAR, CD2, HHC, HHC, ILAR, ILAR, J26L, J26L, YKA, YKA, BOS, BOS, MK31, MK31, MKAR, MKAR, MAK2, ZALV, ZALV, NRIK, NRIK, KSH, KSH, KURK, KURK, KURB, KURB, AAK, GAR, GAR, KK31, KK31, CHGR, CHGR, BVAR, BVAR, BRVK, SPITS, SPITS, ABKAR, ABKAR, GEYT, GEYT, H10N3, H10N3, H10N2, H10N2, VAF, VAF, KEF, KEF, ONI, ONI, FIA1, FIA1, FINES, FINES, NSS, NSS, OBN, OBN, KBZ, KBZ, GURO, GURO, MEF, MEF, TBLU, TBLU, AAL, AAL, DOMB, DOMB, AKN, AKN, MTS, MTS, NC20, NC20, FOO, FOO, UPP, UPP, NB2, NB2, NOA, NOA, NB00, NB00, NC60, NC60, SFS, SFS, HUF, HUF, AKASG, AKASG, KIEV, KIEV, TJOU, TJOU, HOMB, HOMB, BORU, BORU, SNART, SNART, MMAI, MMAI, SUW, SUW, ONSA, ONSA, BLEU, BLEU, FABU, FABU, DEL, DEL, BRTR, BRTR, CSS, CSS, BSD, BSD, EKA, EKA, EKA, BUR08, BUR08, BSEG, BSEG, FLTG, FLTG, NRDL, NRDL, DPC, DPC, CLL, CLL, CLL, CLL, IBBN, IBBN, CLZ, CLZ, BRG, BRG, BRG, BRG, PVCC, PVCC, GTTG, GTTG, PRU, PRU, TANN, TANN, MOX, MOX. Lists various stations and their details.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like KASTN, NKV, UBBA, ROTZ, KHC, etc.

NOU 04 01:08:12.7, 20:32S, 168:73E, h0km, MLV3.8/10, Loyalty Islands
IDC 04 01:08:22.6, 2.2, 20:23S, 167:57E, h0km, mb3.6/3, mbmp3.6/4, ML3.2/1, Error ellipse: s-maj=59.4km

ISC 04 01:08:20.7, 1.3, 20:79S, 0:09, 168:19E, 0:10, h10km, n13, 0:093/14, mb3.6/3, Loyalty Islands

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

CATAC 04 01:26:32.0, 4.0, 13:95N, 91:76W, h23km, 5km, MB4.5, mb4.5, ML4.5

NEIC 04 01:26:34.0, 1.8, 14:03N, 0:08, 91:70W, 0:08, h63km, 8km, mb4.3/20, Error ellipse: s-maj=13.2km s-min=8.2km az=223.0

IDC 04 01:26:34.5, 2.5, 14:14N, 91:81W, h71km, 17km, mb3.5/5, mbmp3.8/7, MS3.8/3, Error ellipse: s-maj=28.0km s-min=10.6km az=13.0

GCG 04 01:26:38.1, 1.2, 14:34N, 91:51W, h37km, 23km, MD4.2 SNET 04 01:26:43.6, 12.0, 14:11N, 90:89W, h29km, ML4.0

ISC 04 01:26:32.9, 1.1, 13:98N, 0:06, 91:79W, 0:05, h57km, 9km, n135, 0:099/159, mb4.2/13, Near coast of Guatemala

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SUTLU, RTAL, STG3, etc.

NEIC 04 02:04:13.6, 1.3, 56:48N, 0:08, 148:61W, 0:10, h23km, 9km, mb3.5/1, ML3.5/74, ML3.3(AEIC), Error ellipse: s-maj=11.9km s-min=6.9km az=156.0

AEIC 04 02:04:17.2, 1.4, 56:53N, 0:07, 148:61W, 0:10, h10km, 6km, Error ellipse: s-maj=10.0km s-min=7.7km az=178.0

ISC 04 02:04:11.9, 1.2, 56:56N, 0:08, 148:66W, 0:06, h10km, n216, 0:132/226, Gulf of Alaska

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

Main table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like NUBE, JUAM, RTR, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like LIMN, BOAB, SAJU, etc.

Table with columns: MID, Middleton Isla, 3.13 22 P, Pn, 02 05 02.1 +0.9, etc.

Table with columns: N19K, Bonanza Creek, 5.24 327 P, Pn, 02 05 31.4 +1.2, etc.

Table with columns: NEIC 04 02:17.15 0.1, 2, 18.74N;0.07:64.70W, etc.





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Table with columns for station name, frequency, power, and other technical details. Includes stations like VOGT Vogtsburg-To, GUR Gaura, and many others across various frequency bands.





Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like KDAK, OHAK, SYI, Q20K, etc.

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like SPCG, SUA, SNH, PMR, etc.

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like M16K, O29M, RND, N15K, etc.

ISC 04 03:13:44.2±2.0, 12°02'N, 142°82'E, h46km±18km, mb4.1/20, mbtm4.4/21, ML4.6/1, MS3.5/13, Error ellipse: s-major=15.7km s-min=13.9km az=113.0, NEIC 04 03:13:44.4±1.3, 12°0N, 02°142.9E:0.1, h42km±10km, mb4.7/104, Error ellipse: s-major=24.2km s-min=17.0km az=152.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GUMO, PATS, JNU, etc.



Table with columns: KZ7K, Chicken, 72.83, 26, P, P, 03 25 09.0 +1.0, etc. Lists various stations and their frequencies.

Table with columns: NEW, Newport, 87.78, 41, P, P, 03 26 29.3 +0.5, etc. Lists various stations and their frequencies.

Table with columns: LVC, comp=Z,55nm,18.2s,baz=140,slow=38, LR, LR, 03 23 00.0, etc. Lists various stations and their frequencies.

SJA 04 03:21:26.2:0.7, 23:88S:66:84W, h222km,5km, MLL4,4, MW4.2
NEIC 04 03:21:27.5:1.9, 23:92S:0:03:66:79W:0.08, h193km,7km, mb4,3/88, Error ellipse: s-maj=11.6km s-min=1.7km az=72.0
IDC 04 03:21:27.4:0.9, 23:83S:66:65W, h191km,8km, mb3.8/10, mbmp4.3/16, MS2.3/1, Error ellipse: s-maj=15.3km s-min=11.1km az=47.0
VAO 04 03:21:28.6:0.3, 23:88S:66:68W, h204km, mb4.3
ISC 04 03:21:28.7:0.5, 23:94S:67:13W, h232km,7km, MLL4.7
GUC 04 03:21:27.8:0.6, 23:91S:0:03:66:86W:0.04, h203km,6km, n207,0:1917/205,mb4,2/47,15C-1U,Jujuy Province
Code Station Name Az Phase ID Time Res
SJA San Lorenzo 1.48 123 Op Pn 03 22 02.3 +0.6
SLA San Lorenzo 1.48 123 eP Pn 03 22 02.3 +0.6
SLA San Pedro de A 1.54 308 iS Pn 03 22 29.3 +0.9
AF01 San Pedro de A 1.54 308 iS Pn 03 22 04.0 +1.5
AF01 Yavi 2.13 36 eP Pn 03 22 29.1 +0.2
YJA Leon Verde 2.28 304 Pn Pn 03 22 40.9 +0.6
LVC Limon Verde 2.28 304 Pn Pn 03 22 40.8 +0.9
LVC Limon Verde 2.28 304 Pn Pn 03 22 42.4 +0.3
LVC Limon Verde 2.28 304 Pn Pn 03 22 43.2 +1.1

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like PDRB Porto dos Gac, ARAG Araguaiana, CZSB Cruzeiro do Sul, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like K05A Summer Lake, PINE Pine Mountain, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like NEHR Nehou, MLR Muntele Rosu, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like NEHR Nehou, MLR Muntele Rosu, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like NEHR Nehou, MLR Muntele Rosu, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like NEHR Nehou, MLR Muntele Rosu, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like NEHR Nehou, MLR Muntele Rosu, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like NEHR Nehou, MLR Muntele Rosu, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like PURM Purcari, RMGR Halanga-Turnu, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: 4d, 4h, Station Name, Az, Phase ID, Time Res, Res. Includes stations like Maaselka, Kaamenen, Rovaniemi, Kevo, ARCES Array S.

IPEC 04 04:17:29.3-0.2,50.20N,18.78E, h1km, ML2.6/4, Error ellipse: s-maj=2.2km s-min=1.1km az=166.0

Main station list table with columns: Code, Station Name, Az, Phase ID, Time Res, Res. Includes stations like Raciborz, Ostrava-Krasne, Moravsky Berou, etc.

IDC 04 04:26:56.6-1.6,33.72N,136.66E, h0km, mb3.5/1, mbtmp3.6/5, ML3.3/4, Error ellipse: s-maj=30.6km s-min=24.4km az=90.0

JMA 04 04:27:00.1-0.1,33.8N,0.2,136.6E, h20km, MV3.8/40, SE OFF KII PENINSULA, JMA Fell I J1 at SE OFF KII PENINSULA

NIED 04 04:27:00.1,33.75N,136.62E, h40km, MW3.7, Moment Tensor Solution, s3 Moment tensor, Scale 10^14Nm

ISC 04 04:27:00.4-1.2,33.75N,0.05,136.63E, h3km, mb3km, n19, c0569,12,11, Near south coast of western Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time Res, Res. Includes stations like TONANKAI O.B.S., Miemihama, Miekihoku, etc.

IDC 04 04:54:57.3-0.9,33.83N,24.69E, h0km, mb4.1/17, mbtmp4.1/23, ML4.4/5, Error ellipse: s-maj=18.0km s-min=14.5km az=159.0

mb4.3/54, Error ellipse: s-maj=12.9km s-min=9.3km az=179.0, THE 04 04:55:04.7,34.09N,24.74E, h5km,2km, ML2.9/6, Error ellipse: s-maj=2.9km s-min=1.2km az=204.0

ATH 04 04:55:05.1,34.07N,24.70E, h18km,6km, ML3.0/4, Error ellipse: s-maj=8.1km s-min=2.2km az=200.0

AFAD 04 04:55:06.2,0.0,34.26N,25.35E, h6km,3km, MW3.6, GII 04 04:55:06.3,0.5,33.736N,0.004,25.578E,0.001, h2km, Mw3.7, confirmed

ISC 04 04:55:01.3-0.8,33.82N,0.05,24.79E,0.03, h30km,5km, n205, c1797/296, mb4.3/48, 8C-6D, Central Mediterranean Sea

Table with columns: Code, Station Name, Az, Phase ID, Time Res, Res. Includes stations like Gavdhos, Anoyia, Timbaki Herak, etc.

SMNTS Nea Kammis, P, Pn, 04 55 42.8 +1.2

THR3 Thira Island, P, Pn, 04 55 42.8 +1.1

THR3 Santorini-Mono, P, Pn, 04 55 42.8 +0.9

THR3 Santorini-Mono, P, Pn, 04 55 42.8 +0.9

MHLO Agia Marina, M, P, Pn, 04 55 45.6 +0.5

MHLO Agia Marina, M, P, Pn, 04 55 45.6 +0.4

VLI Veliai, P, Pn, 04 55 51.2 +0.8

VLI Veliai, P, Pn, 04 55 51.7 +0.7

APE Apeiranthos, P, Pn, 04 55 51.4 +0.4

APE Apeiranthos, P, Pn, 04 55 51.3 +0.4

APE Apeiranthos, P, Pn, 04 56 27.8 -1.3

APE Apeiranthos, P, Pn, 04 55 51.3 +0.4

APE Apeiranthos, P, Pn, 04 55 51.3 +0.4

ARG Arkhangelos, P, Pn, 04 55 57.3 +0.2

ARG Arkhangelos, P, Pn, 04 55 57.3 +0.2

Table with columns: Code, Station Name, Az, Phase ID, Time Res, Res. Includes stations like DENZT, ESEN, EYD-Nazilli, etc.

comp=E,12nm,0.6s, DENZT comp=E,19nm,0.7s, ESEN comp=E,12nm,0.5s

comp=E,7.0nm,0.5s, ESEN comp=E,13nm,0.5s, ESEN comp=E,13nm,0.5s

comp=E,19nm,0.4s, KNKIK comp=E,19nm,0.4s, KNKIK comp=E,23nm,0.4s

comp=E,16nm,0.2s, DENIZLI Tavass comp=E,19nm,0.3s, TAVATA

comp=E,15nm,0.3s, ZMIR comp=E,4.8nm,0.5s, ZMIR comp=E,4.6nm,0.7s

ELL Elmaili, 5.11 54 Pn, ELL Elmaili, 5.11 54 Pn, DNIZ Denizli-Tavas, 5.13 41 S

DNIZ comp=E,12nm,0.2s, DNIZ comp=E,44nm,0.2s, DNIZ comp=E,7.9nm,0.3s

APMAY Acipayam-Deniz, 5.17 44 Pn, ANX Ano Chora, 5.25 35 Pn, KORT Korkuelli, 5.54 54 Pn

AGG Agios Georgios, 5.55 340 Pn, AGG Agios Georgios, 5.55 340 Pn, MAKR Makrakomoi, Fth, 5.61 338 Pn

DMKR Darnoulaitiana-K, 5.67 322 Pn, MLFK Lefkada island, 5.84 326 Pn, NYDR Nydri-Lefkada, 5.89 327 Pn

DRAG Dragano-Lefkad, 5.93 326 Pn, LK2 Lefkada island, 5.97 327 Pn, TSKL Tsoukalades, L, 6.00 327 Pn

THL Thl Klokotos Trika, 6.73 329 Pn, IGSI Igoumenitsa, 7.11 327 Pn, KEK Kerkira, 7.11 327 Pn

KEK Kerkira, 7.11 327 Pn, CSS Mathiatis, 7.16 78 Pn, CSS Mathiatis, 7.16 78 Pn

CNS Florina, 7.46 340 Pn, CNS Florina, 7.46 340 Pn, OHR Ohrid, 7.94 338 iPn

SANTA Santa Cesarea, 8.03 323 Pn, TIP Tirande, 8.39 316 Pn, CEL Celeste, 8.45 304 Pn

KZIT Kziot, 8.63 107 S, KZIT Kziot, 8.63 107 S, SLTI Salit, 8.75 98 Pn

AMAZ Amatzia, 8.84 102 Pn, MNC Mount Meron ar, 8.91 92 Pn, MNC Mount Meron ar, 8.91 92 Pn

MMA0 Mount Meron ar, 8.91 92 S, MMA0 Mount Meron ar, 8.91 92 S, MMAI Mount Meron Ar, 8.91 92 S

MMAI Mount Meron Ar, 8.91 92 S, comp=E,6.5nm,0.3s, baz=269,slow=1.3,SNR=13

comp=E,1.4nm,0.3s, baz=240,slow=25,SNR=12, SALP Salp, 8.92 98 Pn

SALP Salp, 8.92 98 Pn, MMLI Mount Malkishu, 9.03 96 Pn, MMLI Mount Malkishu, 9.03 96 S

YTI Ytirik, 9.05 103 Pn, YTI Ytirik, 9.05 103 Pn, YTI Ytirik, 9.05 103 S

PUK Puka, 9.07 336 Pn, GEM Giv'at Ha'Em, 9.10 91 S, GEM Giv'at Ha'Em, 9.10 91 S

RAFF Ratto Rosso, 9.15 295 Pn, LUAP Lu'at Aja, 9.17 98 Pn, RAFF Ratto Rosso, 9.15 295 Pn

DSI Dead Sea, 9.21 101 Pn, DSI Dead Sea, 9.21 101 Pn, DSI Dead Sea, 9.21 101 Pn

KRMI Paran Flat, 9.21 111 Pn, BR13 Keskin Array S, 9.22 48 Pn, BR13 Keskin Array S, 9.22 48 Pn

BR13 Keskin Array S, 9.22 48 Pn, BRTR Keskin Array B, 9.22 48 Pn, BRTR Keskin Array B, 9.22 48 Pn

BRTR Keskin Array B, 9.22 48 Pn, MDBI Mazada, 9.27 103 Pn, MSBI Mazada, 9.27 103 Pn

MSBI Mazada, 9.27 103 S, PRNI Paran, 9.33 109 Pn, PRNI Paran, 9.33 109 Pn







mb4.6/2,mb4.9/2,MLv4.5/5,Mw(mb)4.1/2
ISC 04 05:20:13.7,1.0,3.3KN:1,128.1E:0.1,h35km,n12,
a153/13,mb4.2/7,North of Halmahera

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TNTI Ternate, SCS1 Sangihe, LMBI Labuha, etc.

ANF 04 05:20:43.7,0.3,65.47N:134.22W,h1km,ML3.5/44,
Error ellipse: s-maj=1.8km s-min=1.0km az=93.0
PGC 04 05:20:44.3,0.2,65.49N:134.17W,h4km,ML3.1,ML3.5/28,
217km south of Fort McPherson, Nt Northern Yukon Territory, Canada

ISC 04 05:20:43.7,1.1,65.49N:134.11W,0.03,h7km,sgkm,
n192,c1569/226,Northern Yukon Territory

Main table for station 247, listing codes (H31M, H31M, I30M, etc.), station names (Peel River, Mount Dempster, etc.), and associated data.

Main table for station 2018 APR, listing codes (M31M, G27K, etc.), station names (Drury Creek, Doyon Strip, etc.), and associated data.

Table for station baz=124, listing codes (P29M, P29M, etc.), station names (Windy Craggy, Pleasant Camp, etc.), and associated data.

ISC 04 05:25:18.2,7.2,15.68S:74.72W,h42km,25km,mb3.6/8,
mbmp3.9/11,ML4.1/3,MS2.9/6,Error ellipse:
s-maj=31.3km s-min=16.7km az=60.0
NEIC 04 05:25:18.2,1.9,15.85S:078.74W,0.1,141km,18km,
mb4.4/3,Error ellipse: s-maj=16.4km s-min=10.4km
az=64.0

ISC 04 05:25:16.5,0.7,15.81S:070.74W,0.10,h30km,n56,
a193/44,mb3.9/9,MS3.0/3,Near coast of Peru

Main table for station near coast of Peru, listing codes (NNA, NNA, etc.), station names (Nana, Nana, etc.), and associated data.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ZALESOVO INFRA, ZALV, ZALV, KURBB, KURBB, MKAR.

IDC 04 06:00:06.0:3.5,55.56N-85.83E, h0km, mbtmp3.5/2, ML2.8/2, Error ellipse: s-maj=28.0km s-min=24.4km az=42.0, Southwestern Siberia

IDC 04 06:02:12.7:1.6, 52.72N-172.61E, h0km, mb3.7/11, mbtmp3.8/12, ML3.0/4, MS3.4/3, Error ellipse: s-maj=46.3km s-min=15.1km az=5.0

NEIC 04 06:02:16.6:1.6, 52.4N-0.2:172.52E:0.2, h42km, 15km, mb4.0/49, Error ellipse: s-maj=34.3km s-min=12.8km az=167.0

ISC 04 06:02:16.3:1.0, 52.72N-0.2:172.62E:0.06, h24km, n76, o588/67, mb4.0/30, MS3.7/3, Near Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SHEM, SHEM, AMKA, ADK, ATKA, PETK, AKUT, M14K, M14K, N15K, N15K, C16K, C16K, N18K, O18K, O18K, J18K, OHAK, C18K, KDKAK, J20K, J20K, C19K, CNFM, SKT, SKT, CAST, BRLL, RC01, TRF, TRF, B20K, KNK, KNK, RND, SML, B21K, B21K, SCM, WRH, B22K, B22K, H24K, H24K, IL31, ILAR, KLU, KLU, TOLK, TOLK, C23K, C23K, N25K, RIDG, RIDG, GLB, SCRK, SCRK, VRDI, VRDI, CROM, MCARA, BMAR, WAX, L27K, GRNC, GRNC, BARN, EGAK, I28M, DAWY, DAWY, K29M, HYT, EPYK, EPYK, G31M, G31M, INK, INK, DLBC, C36M, C36M, H11N2, H11N3, H11N1, H11S1, H11S3.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like H11S2, YKA, SONM, NVAR, PDAR, MKAR, TGY, BVAR, FINES, TXAR, HFS.

IDC 04 06:05:38.9:2.7, 5.85S-130.23E, h0km, mb3.2/1, mbtmp3.4/3, ML3.5/2, Error ellipse: s-maj=173.8km s-min=33.1km az=70.0, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRA, WRA, ASAR, ASAR, MKAR.

IDC 04 06:09:51.6:3.0, 54.18N-87.06E, h0km, mbtmp3.0/2, ML2.6/2, Error ellipse: s-maj=23.9km s-min=15.8km az=68.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like I46RU, ZALV, ZALV, KURBB, KURBB, MKAR, MKAR, MKAR.

IDC 04 06:21:17.2:3.4, 6.16S-142.36E, h0km, mb3.5/1, mbtmp3.5/3, ML3.4/2, Error ellipse: s-maj=98.5km s-min=36.3km az=92.0, New Guinea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRA, ASAR, MKAR, KGSJ, IDHR, IGHG, ILIN, IDBR, IDBR, IBZA, BHD, IKFM, RAFI, RAFI, WRA, ASAR, MKAR.

IDC 04 06:39:55.8:6.0, 6.04S-141.41E, h0km, mb3.6/1, mbtmp3.6/3, ML3.4/2, Error ellipse: s-maj=210.1km s-min=36.1km az=94.0, New Guinea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRA, ASAR, MKAR.

IDC 04 06:41:06.2:2.2, 6.29S-177.68W, h79km, mb3.5/3, mbtmp3.8/3, Error ellipse: s-maj=47.6km s-min=8.7km az=74.0, Kermadec Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like RAO, RAO, ASAR, WRA, QSPA, FINES.

IDC 04 06:41:57.2:2.0, 13.32N-92.29E, h0km, mb3.6/5, mbtmp3.6/5, MS3.8/2, Error ellipse: s-maj=123.3km s-min=19.8km az=58.0, Andaman Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like RAO, RAO.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MKAR, SONM, KURBB, ZALV, BELG, WRA, ASAR, KIRV.

IDC 04 06:50:22.8:1.4, 60.63N-142.77W, h0km, mb3.9/4, mbtmp3.6/8, ML3.0/4, Error ellipse: s-maj=20.4km s-min=17.3km az=156.0

AEIC 04 06:50:24.6:1.9, 60.56N-0.03:142.74W:0.05, h17km, 5km, ML3.3, ML3.4/183(NEIC), Error ellipse: s-maj=4.2km s-min=3.4km az=149.0

NEIC 04 06:50:25.2:2.7, 60.58N-0.03:142.70W:0.05, h18km, 6km, Error ellipse: s-maj=3.8km s-min=3.4km az=151.0

ISC 04 06:50:24.6:0.8, 60.58N-0.02:142.76W:0.02, h20km, 2km, n267, o1915/236, mb4.1/4, Southern Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WAX, WAX, WAX, WAX, TGL, TGL, TGL, ISLE, ISLE, ISLE, BARK, BARK, CRQE, CRQE, CRQM, CRQM, CRQM, CRQM, KIAG, KIAG, GRNC, GRNC, GRNC, GRNC, BGLC, BGLC, MESA, MESA, MESA, MESA, PTPK, NICH, SUCK, SUCK, SUCK, SUCK, BARN, BARN, BARN, VRDI, VRDI, VRDI, HMT, CTG, CTM, TABL, MCARA, LOGN, LOGN, RAGM, GOAT, BMRM, BMRM, GLB, GLB, GLB, KAIM, KAIM, KAIM, KAIM, SAMH, O28M, O28M, O28M, N25K, N25K, N25K, N25K, EYAK, EYAK, WASW, YUK2, YUK3, BCPM, BCPM, KLU, KLU, KLU.

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like Nabesna, AK, Edge Creek, AK, Port Fidalgo, etc.

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like Susitna Watana, Skilak Lake, Willow, Dawson, etc.

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like Cape Douglas, Kodiak Island, Kodiak Island, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ZALESOVO INFRA, ZALV, ZALV, etc.

Station coordinates and error ellipses: IDC 04 07:19:18.0, 2.3, 56.12N; 149.40W, h0km, mbtmp2.5/2, mbz2.1/2, Error ellipse: s-maj=34.1km s-min=19.9km

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

Table with columns: MID, Middleton Isla, 3.56 27, Pn, 07 20 13.8 -0.9, GRNC Granite Creek, 6.02 39, Pn, 07 20 48.0 -0.8, MWZ Matawai, 22.21 199, P, P, 07 29 57.0 +0.8

Table with columns: GRNC Granite Creek, 6.02 39, Pn, 07 20 48.0 -0.8, MWZ Matawai, 22.21 199, P, P, 07 29 57.0 +0.8, INK Inuvik, 14.08 25, Pn, 07 22 40.6 +1.9, YKA Yellowknife Arr, 18.64 56, P, P, 07 23 38.5 +1.1

Table with columns: MWZ Matawai, 22.21 199, P, P, 07 29 57.0 +0.8, URZ Urewera, 22.27 200, P, P, 07 29 55.5 -1.2, AS31 Alice Springs, 49.29 254, P, P, 07 33 46.3 -0.8, GSPA South Pole Qu, 72.61 180, P, Iamb, Iamb, 07 36 25.8 +1.5

DJA 04 07:27:06 0.0, 6.1, S, 2.2, 12.2E, h10km, 7km, M4, 1/11, mb4.6/2, mb4.7/2, MLV3.9/11, Mv(m)B4.0/2

ISC 04 07:27:05.1+1.0, 0.49S, 0.06:122.31E:0.07, h10km, n12, i136/10, mb3.5/3, Minahasa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, LUWI Luwuk, 0.71 140, Op, P, 07 21 21.0 +1.4

NNC 04 07:28:19.2+6.4, 36.97N, 70.56E, h0km, mb3.7, mpv3.4, 2C-1D, Error ellipse: s-maj=55.6km s-min=46.1km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, KK31 Karatay Array, 6.12 360, P, P, 07 29 52.7 +1.8

MOS 04 07:37:00.3+0.9, 37.37N, 141.92E, h38km, mb4.8/18, Error ellipse: s-maj=9.4km s-min=5.7km az=95.4

JMA 04 07:37:01.7+0.2, 37.3N, 141.24E, h44km, 2km, MD4.5/39, MW4.3/39, E OFF FUKUSHIMA PREF

JMA Felt II J1 at E OFF FUKUSHIMA PREF, NIED 04 07:37:01.7, 37.3N, 141.75E, h44km, MW4.4, Moment Tensor Solution, Moment tensor, Scale 1015Nm

ISC 04 07:37:02.5+0.7, 37.24N, 141.79E, h37km, 4km, mb3.8/18, mbmp4.1/23, ML4.2/3, MS3.6/27, Error ellipse: s-maj=15.7km s-min=13.0km az=95.0

NEIC 04 07:37:03.5+1.5, 37.39N, 141.78E, 0.09, h36km, 7km, mb4.5/48, Error ellipse: s-maj=10.4km s-min=9.1km az=91.0

ISC 04 07:37:00.4+0.5, 37.29N, 141.92E, 0.04, h26km, 2km, h26km, n199, e261259, mb4.5/67, MS3.6/23, 3C-11D, Near East Coast of Eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, JFK Kawauchi, 0.83 276, J, P, 07 37 15.1 -1.2

Table with columns: Station, Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like OTAMA OYAMA, OKURA, OSAKIFURUKAWA, etc.

Table with columns: Station, Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like HNS, MA2, HHC, HHC, HHC, etc.

Table with columns: Station, Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like A36M, A36M, A36M, etc.

IDC 04 07:41:01.5:3.2,54\*22N-87\*21E, h0km, mbtmp2.7/2, ML2.3/2, Error ellipse: s-maj=28.2km s-min=19.9km az=54.0, Southwestern Siberia

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

IDC 04 07:49:28.5:3.2,54.34N:86.65E,h0km,mbtmp2.9/2, ML2.6/2,Error ellipse: s-maj=24.8km s-min=14.8km

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

NEIC 04 07:49:47.9:1.8,56.17N:0.07:149.46W:0.10,h20km,9km, ML3.6/58,ML3.5(AEIC),Error ellipse: s-maj=9.7km

AEIC 04 07:49:51.5:2.1,56.22N:0.09:149.4W:0.1,h10km,7km, Error ellipse: s-maj=13.8km s-min=9.2km az=175.0

ISC 04 07:49:46.4:1.3,56.24N:0.07:149.45W:0.06,h10km, n194,c1917/197,Gulf of Alaska

Main table on the left side containing station data for various locations like Kodiak Island, Old Harbor, Sitkinak Island, etc.

Table with columns: O18K, FID, FID, GLI, GLI, GLI. Includes station names and coordinates.

GOAT Goat Mountain, BERG Berg Lake, N20K Mount Spurr

Table with columns: Code, Station Name, Az, Az2, Phase ID, ISC, Time, Res, ISC. Includes stations like GOAT, BERG, N20K.

SPCP Crater Peak Br, SNH Sunshine Point

SUA Susitna One, SUA Susitna One

Main table in the middle containing station data for various locations like Crater Peak Br, Sunshine Point, Susitna One, etc.

Table with columns: PN7A, RND, TRF, M27K, M27K, CAST, CAST, KTH, S31K, L17K, L17K, BCAR, SKAG, ISLZ, S32K, S32K, M29M, IL31, ILAR, COLA, P32M, P32M, U33K, U33K, CRAG, DAWY, P33M, IMAR, R33M, DLBC. Includes station names and coordinates.

WEL 04 07:53:07.3:1.1,46.54N:16.7E:4.5,h5km,M3.3/7,ML3.6/9, ML3.3/7,Error ellipse: s-maj=0.0km s-min=0.0km

Table with columns: Code, Station Name, Az, Az2, Phase ID, ISC, Time, Res, ISC. Includes stations like DCZ, PYZ, RRRK, TAFS, WHZ, MLZ, MOSS, MSZ, APZ, WKZ, EAZ, SYZ, TUZ, JCB, LZB, ODZ, TMZ, ARZ, RAZ, DSZ.

IDC 04 07:57:12.8:0.6,55.10S:30.50W,h0km,mb4.5/8, mbtmp4.5/8,MS4.4/25,Error ellipse: s-maj=25.9km

NEIC 04 07:57:15.4:1.7,55.19S:0.03:30.7W:0.2,h10km,1km, mb5.0/48,Error ellipse: s-maj=16.1km s-min=3.6km

Bull 04 07:57:19.0:0.0,55.20S:30.70W,h30km,Ms5.2/4, Ms7.4/8.5

Main table on the right side containing station data for various locations like Hope Point, Orcadas, East Falkland, Neumayer-Stat, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like QSPA, MT09, VA06, CO02, CO03, LCO, AQDB, BDFB, MAW, SUR, LVC, PTBL, SIV, SBA, VDA, BOS, H101, H103, LPAZ, H10N1, H10N3, H10N2, H04S2, H04S3, H04S1, LBTA, LBTB, TSWA, RUST, POGA, SAML, PILG, HOED, MUSN, NNA, MACA, CHIPN, KRI, LSZ, ATAH, BOAV, MDP, MCRA, DBIC, CHSH, OPO, ROSC, PCRV, BAUV, SDV, TOAO, TORO, LCR2, ACON, MTO3, TBI, TBU, TBI, CMIG, PPT2, PPT2, RAR, TAOE.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ASAR, ASAR, DZM, PDAR, NVAR, PLID, JUSD, FINES, HUMO, CMAR, ABKAR, ABKAR, KSKH, ARCES, YKA, PZH, BVAR, KURBS, WMQ, CD2, ZALV, GTA, GTA, INK, BEAR, EGAK, GLB, LYN, BMAR, IL31, ILAR, COLA, NJ2, NRK, TOLK, CAST, BTO, BTO, BTO, HHS, DKS, TIA, HHC, TTA, SONM, SONM, SONM.

IDC 04 07:59:37.0, 7.55:16S:30:62W, h0km, mb4.4/6, mbmp3.4/6, Error ellipse: s-maj=35.3km s-min=20.5km az=71.0

NEIC 04 07:59:39.9, 1.2, 55:25S:0:1, 30:8W:0.2, h10km, 1km, mb4.6/29, Error ellipse: s-maj=20.9km s-min=15.1km az=205.0

ISC 04 07:59:39.6, 0.5, 55:17S:0:09, 30:73W:0:09, h10km, n49, c116/49, mb4.6/15, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HOPE, EFLA, VNA1, VNA3, VNA2, SNAa, SNAa, SNAa, TROLL, MG02, BELA, G010, MG05, G009, PLTB, CPUP, CPUP, QSPA, QSPA, QSPA, MT09, VA06, SUR, LVC, PTBL, SBA, VDA, VDA, BOS, BOS, LPAZ, LPAZ, LBTA, LBTB, SAML, SAML, CASY, CASY, MACA, MACA, BOAV, BOAV, MCRA, SDV, TOAO, TORO.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TORO, TORO, TORO, TEIG, ASAR, FINES, YKA, BVAR, KURBS, ZALV, ILAR, SONM, SONM.

NEIC 04 08:00:06.0, 2.8, 6:02S:0:08, 152:2E:0:1, h10km, 1km, mb4.6/40, Error ellipse: s-maj=24.3km s-min=11.4km az=12.0

IDC 04 08:00:12.3, 5.4, 5:85S:151:73E, h61km, 4.7km, mb3.7/8, mbmp3.0/9, ML2.3/1, Error ellipse: s-maj=48.4km s-min=27.1km az=120.0

ISC 04 08:00:20.7, 0.7, 5:98S:0:08, 152:1E:0:1, h36km, n52, c113/40, mb4.5/26, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RABL, PMG, PMG, MANU, EIDS, MTN, WB0, WR0, WRB, WRA, AS31, ASAR, ASAR, KNRA, STKA, FITZ, BBOO, BBOO, FORT, USA0B, USURK, CASY, CASY, K15K, M16K, OHAK, N19K, ILSW, CNPM, L19K, MKAR, CAST, CAST, E19K, RND, RND, CCB, CCB, IL31, IL31, ILAR, ILAR, D22K, D22K, RIDG, F24K, D24K, D25K, I28K, J30M, D27M, BVAR, A36M, NVAR, YKA, TORO, TORO.

IDC 04 08:02:07.8, 2.6, 53:58N:87:79E, h0km, mbtmp3.1/2, ML2.8/2, Error ellipse: s-maj=22.3km s-min=15.0km az=64.0

NNC 04 08:02:11.6, 2.1, 53:46N:87:39E, h0km, mb3.6, mpv3.2, Error ellipse: s-maj=15.4km s-min=13.1km az=19.0, Suspected Mining explosion.

ISC 08:09:37.7, 53.53N:0:1, 87.55E:0:2, h0km, n9, c109/12, 3C-6D, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ZALV, ZALV, I46RU, KURK, KURK, KURK.

2018 APR

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KURBB Kurchatov Arra, MKRBB Kurchatov Arra, MK31 Makanchi Array, etc.

SJA 04 08:02:44.2, 0.4, 23.20Sx69.13W, h96km, 2km, ML3.4, MW3.5

GUC 04 08:02:46.6, 0.7, 23.23Sx69.17W, h80km, 3km, ML3.4

ISC 04 08:02:45.2, 1.3, 23.25Sx0.03, 69.18W, 0.05, h94km, 8km, n29, c092/47, 6C-1D, Northern Chile

Main table of station data for the first section, including codes like PB15, PB06, PB09, etc., and station names like IPOC Station P, Limon Verde, San Pedro de A, etc.

IDC 04 08:05:31.2, 0.8, 55.10Sx30.39W, h0km, mb3.9/6, mbtmp3.9/6, Error ellipse: s-maj=37.9km s-min=20.3km az=73.0

ISC 04 08:05:32.7, 0.7, 55.05Sx1.0x30.5W, 0.2, h10km, n16, c138/13, mb4.0/5, 2C, South Sandwich Islands region

Table of station data for the second section, including codes like VNA3, VNA2, SNA4, etc., and station names like Neumayer Olymp, Neumayer-Watz, Sanae, etc.

Table of station data for the third section, including codes like YKA, ZALV, ILAR, etc., and station names like Yellowknife Arr, Zalesovo Beam, Eielson Array, etc.

ISK 04 08:10:44.2, 0.38, 91N, 26.43E, h8km, ML2.5/19

FOC 04 08:10:44.9, 38.92N, 26.42E, h6km, 1km, ML2.4/6, Error ellipse: s-maj=1.5km s-min=0.7km az=27.0

AFAD 04 08:10:44.2, 0.0, 38.90N, 26.44E, h7km, 2km, ML2.4

ATH 04 08:10:45.1, 38.92N, 26.46E, h5km, 2km, ML2.4/6, Error ellipse: s-maj=2.6km s-min=0.9km az=291.0

ISC 04 08:10:44.9, 0.9, 38.91N, 0.02, 26.44E, 0.02, h9km, 8km, n46, c047/69, Aegean Sea

Main table of station data for the third section, including codes like EAG3, LE5V, KARB, etc., and station names like Mitilini, Lesvos Island, zmir-Karabur, etc.

IDC 04 08:10:50.8, 3.1, 53.57N, 87.91E, h0km, mbtmp2.9/2, ML2.5/2, Error ellipse: s-maj=27.0km s-min=16.3km az=64.0, Southwestern Siberia

Table of station data for the fourth section, including codes like I46RU, ZALV, ZALV, etc., and station names like ZALESOVO INFRA, Zalesovo Beam, Kurchatov Arra, etc.

SNET 04 08:15:15.4, 4.1, 5.1334N, 89.90W, h45km, ML4.1

CATAC 04 08:15:17.4, 0.6, 13.45N, 89.75W, h26km, 3km, ML3.9

GCG 04 08:15:18.4, 0.6, 13.47N, 89.94W, h26km, 87km, MD3.8

ISC 04 08:15:16.2, 1.5, 13.31N, 0.06, 89.84W, 0.04, h29km, 11km, n85, c072/110, 2C-16D, El Salvador

Main table of station data for the fourth section, including codes like JAYA, LALI, CEVE, etc., and station names like Jayaque -finc, Alcalda de L, Cerro Verde, etc.



Table with columns: RANC, EI Ranchito, 1.52 85 i P, Pn, 08 15 41.5 -0.1, 08 16 08.9. Includes stations like San Miguel, Jucuarin, Marmol, La Caada, etc.

NEIC 04 08:24:45.9.0.4, 18.92N.0.09:155.36W.0.05, h32km, 11km, Error ellipse: s-maj=14.1km s-min=4.5km az=155.0

HVO 04 08:24:47.5.1.8, 18.89N.0.03:155.36W.0.02, h11km, 6km, ML3.1/37, ML3.2/50(NEIC), Error ellipse: s-maj=3.9km s-min=2.5km az=157.0, Hawaiian Islands

Main table for Hawaiian Islands section with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Honuapo, Hilina Pali, Kahuku, etc.

Table for 2018 APR section with columns: SHME, BANOH, BANOM, BANOM, BANOH, etc. Includes stations like Banah, Hormozg, Negar Kerman, etc.

IDC 04 08:47:46.9.1.0, 6.81S, 154.47E, h0km, mb3.8/7, mbtmp3.8/8, ML1.3/1, MS3.7/2, Error ellipse: s-maj=40.4km s-min=21.5km az=131.0

ISC 04 08:47:48.3.0.9, 6.8S.0.2:154.5E.0.1, h10km, n11, c1505/11, mb3.6/7, Bougainville-Solomon Islands region

Table for Bougainville-Solomon Islands region with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Port Moresby, Warramunga Arr, etc.

NEIC 04 08:54:56.7.0.3, 19.56N.0.04:155.09W.0.06, h22km, 13km, Error ellipse: s-maj=8.9km s-min=5.7km az=100.0

HVO 04 08:54:57.4.0.8, 19.574N.0.010:155.09W.0.02, h12km, 4km, ML2.4/12, ML2.3/48(NEIC), Error ellipse: s-maj=2.6km s-min=1.2km az=107.0, Hawaiian Islands

Main table for Hawaiian Islands section (continued) with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Jonika Flow, North of Pu'u, etc.

Table for 4d 10h section with columns: NPH, North Pit, 0.24 228, IAML, 08 55 04.0. Includes stations like Uwekahuna, Hilina Pali, etc.

IDC 04 03:43:03.7.3.1, 53.69N.90.77E, h0km, mbtmp3.2/3, ML3.1/2, Error ellipse: s-maj=27.0km s-min=23.0km az=49.0

NNC 04 09:34:03.8.3.0, 53.78N.90.59E, h0km, mb4.0, mpv3.7, Error ellipse: s-maj=35.0km s-min=21.1km az=178.0, Suspected Mining explosion.

ISC 04 09:34:05.2.4.2, 53.7N.0.2:90.5E.0.2, h0km, n9, c0955/11, 4C-6D, Southwestern Siberia

Table for Southwestern Siberia section with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ZALESOVO INFRA, ZALV, ZALV, etc.

TRN 04 09:46:57.6, 19.29N.63.21W, h43km, MD4.4, Far North of Anguilla, Leeward Islands

Table for Far North of Anguilla section with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Antigua, Disas, Bethesda, etc.

SOME 04 10:03:16.9, 43.68N.69.70E, NNC 04 10:03:18.1, 2.43:66N.69.73E, h0km, mb3.9, mpv3.6, Error ellipse: s-maj=6.7km s-min=5.3km az=122.0, Suspected Mining explosion.

KRINET 04 10:03:19.8.0.7, 43.54N.69.76E, mb2.8, ISC 04 10:03:14.6.1.9, 43.85N.0.07:69.76E.0.08, h0km, n27, c1519/7, 12C-6D, Central Kazakhstan

Main table for Central Kazakhstan section with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Borolday, Karatay Array, etc.



Table with columns: KLR, PETK, SHEM, SEY, WMQ, VMDA, MK31, MKAR, MAKZ, ZALV, BOOM, KURK, KURKB, MAW, QSPA, NRK, BVAR, ILAR, TORD, DBIC, NOU. Includes station names, coordinates, and times.

Table with columns: KAF, RUF, AAL, SUF, HEMU, BURU, NNC, IDC, SNA, PLCA, QSPA, MAW, VMDA, H10N1, H10N3, H10N2, TORD, YKA, ILAR. Includes station names, coordinates, and times.

Table with columns: TWE, YHNB, YHNB, OWD, NSK, FUSB, WUSB, NWLT, WARBT, EGFH, VWDT, NSTT, SSSL, EHY, YULB, YULB, JMA. Includes station names, coordinates, and times.

Table with columns: HEL 04 10:44:58.6-0.1, 63.16N:27.81E, h0km, ML1.2, Suspected explosion, Finland. Includes station names, coordinates, and times.

Table with columns: TAP 04 12:37:29.0, 24.23N:121.64E, h16km, ML2.1, B, Taiwan. Includes station names, coordinates, and times.

Table with columns: IDC 04 12:41:37.5-1.2, 4.10S:152.32E, h0km, mb3.9/9, mbmp3.9/10, ML1.7/1, MS3.1/9, Error ellipse: s-maj=52.7km s-min=20.4km az=17.0, ISC 04 12:41:43.1-1.1, 4.15S:0.2:152.3E:0.3, h35km, n20, 05:02/10, mb3.9/9, MS3.2/8, Near Britain region. Includes station names, coordinates, and times.

Table with columns: HEL 04 10:46:09.0-0.1, 60.35N:24.89E, h0km, ML1.3, Explosion, Finland. Includes station names, coordinates, and times.

Table with columns: FUS, NDT, ES, NDS, ENT, TWC, TDCB, SHUL, CHGB, ESL. Includes station names, coordinates, and times.

Table with columns: FJUNV 04 13:02:08.0, 8.00N:71.72W, h5km, MW3.1, RSNQ 04 13:02:09.8-0.0, 8.0N:5.7W, h135km, 6km, ML1.9, ISC 04 13:02:06.9-1.6, 8.3N:0.1:71.79W:0.05, h4km, 13km, n6, 0150/12, Venezuela. Includes station names, coordinates, and times.

M=0.89±.11; Mw=0.95±.29; Best double couple; M=5.910000±0.1016; NP1=1.39.000000; 885.000000; 4.9.000000; NP2=2.30.000000; 881.000000; 4.175.000000; Principal axes: T 6.0380, P1g2.00000; Azm185.00000; N -0.2530, P1g80.00000; Azm288.00000; P -5.7810, P1g10.00000; Azm94.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 04 13:11:43.5-0.3,41.835±0.06,80.08E±0.07,h15km,n152, f=172/116,m5.0/53,MZ4.5/53,6C-1D, Mid-Indian Ridge

Table with columns: Code, Station Name, Δ, Az, Phase ID, Op, Pn, h, m, s, Res, ISC, Time, P1, P2, P3, P4, P5, P6, P7, P8, P9, P10, P11, P12, P13, P14, P15, P16, P17, P18, P19, P20, P21, P22, P23, P24, P25, P26, P27, P28, P29, P30, P31, P32, P33, P34, P35, P36, P37, P38, P39, P40, P41, P42, P43, P44, P45, P46, P47, P48, P49, P50, P51, P52, P53, P54, P55, P56, P57, P58, P59, P60, P61, P62, P63, P64, P65, P66, P67, P68, P69, P70, P71, P72, P73, P74, P75, P76, P77, P78, P79, P80, P81, P82, P83, P84, P85, P86, P87, P88, P89, P90, P91, P92, P93, P94, P95, P96, P97, P98, P99, P100.

Table with columns: Station Name, Δ, Az, Phase ID, Op, Pn, h, m, s, Res, ISC, Time, P1, P2, P3, P4, P5, P6, P7, P8, P9, P10, P11, P12, P13, P14, P15, P16, P17, P18, P19, P20, P21, P22, P23, P24, P25, P26, P27, P28, P29, P30, P31, P32, P33, P34, P35, P36, P37, P38, P39, P40, P41, P42, P43, P44, P45, P46, P47, P48, P49, P50, P51, P52, P53, P54, P55, P56, P57, P58, P59, P60, P61, P62, P63, P64, P65, P66, P67, P68, P69, P70, P71, P72, P73, P74, P75, P76, P77, P78, P79, P80, P81, P82, P83, P84, P85, P86, P87, P88, P89, P90, P91, P92, P93, P94, P95, P96, P97, P98, P99, P100.

Table with columns: Station Name, Δ, Az, Phase ID, Op, Pn, h, m, s, Res, ISC, Time, P1, P2, P3, P4, P5, P6, P7, P8, P9, P10, P11, P12, P13, P14, P15, P16, P17, P18, P19, P20, P21, P22, P23, P24, P25, P26, P27, P28, P29, P30, P31, P32, P33, P34, P35, P36, P37, P38, P39, P40, P41, P42, P43, P44, P45, P46, P47, P48, P49, P50, P51, P52, P53, P54, P55, P56, P57, P58, P59, P60, P61, P62, P63, P64, P65, P66, P67, P68, P69, P70, P71, P72, P73, P74, P75, P76, P77, P78, P79, P80, P81, P82, P83, P84, P85, P86, P87, P88, P89, P90, P91, P92, P93, P94, P95, P96, P97, P98, P99, P100.

IDC 04 13:15:44.0,2.0,5.77S; 142°00'E, h0km, mb3.8/3, mbmp3.9/5, ML3.5/2, Error ellipse: s-maj=80.3km

ISC 04 13:15:45.5-1.7, 6.05±0.2, 141.8E±0.5, h10km, n5, a2544/7, mb3.7/3, New Guinea

Table with columns: Code, Station Name, Δ, Az, Phase ID, Op, Pn, h, m, s, Res, ISC, Time, P1, P2, P3, P4, P5, P6, P7, P8, P9, P10, P11, P12, P13, P14, P15, P16, P17, P18, P19, P20, P21, P22, P23, P24, P25, P26, P27, P28, P29, P30, P31, P32, P33, P34, P35, P36, P37, P38, P39, P40, P41, P42, P43, P44, P45, P46, P47, P48, P49, P50, P51, P52, P53, P54, P55, P56, P57, P58, P59, P60, P61, P62, P63, P64, P65, P66, P67, P68, P69, P70, P71, P72, P73, P74, P75, P76, P77, P78, P79, P80, P81, P82, P83, P84, P85, P86, P87, P88, P89, P90, P91, P92, P93, P94, P95, P96, P97, P98, P99, P100.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SNAA Sanae, CPUP Villa Florida, QSPA South Pole Qui, VVDA Vanda, LPAZ La Paz, TORD Torodi Ar. Bea, YKA Yellowknife Ar, ILAR Eielson Array.

TAP 04 13:41:00.4, 247°11N, 122°31'E, h102km, ML3.1, C
JMA 04 13:41:01.3, 0.1, 25°N, 122°38'E, 0.5, h98km, 1km,
M2.5/13, NIV OFF ISHIGAKIJIMA IS
ISC 04 13:41:01.6, 1.4, 24.54N, 0.04, 122.79E, 0.03, h96km, 7km,
n88, c0578/154, Taiwan region

Main table listing stations with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JYNG, YOJ, ESO3, ESO2, ESO4, TWC, TWB1, IRIF, EWUT, ENA, ILA, TIPB, EAHA, SX11, TWE, TNOU, FUSB, ENTT, ETL, LATG, NACB, JKRS, NDT, TWD, NWLT, NHY, NHDH, ETLH, JIJ, TAP, NNSB, YHNB, NNS, NNS, TWK, NSK, ETM, SHUL, SHUL, LXIB, TWS1, TWS1.

Main table listing stations with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JISG, IJSG, ESL, FUSS, WHF, TWT, TDCB, EGFG, WARBT, NFF, CHGB, OWD, LIQB, WUSB, HGSD, NSTT, SBCB, VWDT, WHP, WHP, JTJ, WCS, YULB, EYUL, TWFI, WFW1, NMLH, SSLB, SMLT, TWQ1, TYC, FULB, CHKT, WHYT, WHYU, EHD, ALS, ELDTW, WDLH, WCKO, WRL, STYH, TWGB, TPUB, CHN4, CHN4, WTP, TWK, TWK, CHN1, SGST, SLGT, DJA 04 13:43:41.3, 0.6, 7°S, 2°10'E, h28km, 5km, M3.5/11, mB5.0/1, MLv3.5/11, Mw(m)B4.3/1, Jawa

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SKJI, DBJI, SBJI, SBJI, CBJI, TNG, TNG, LEMBANG, KASI, KASU, KPI, UGM, DSRI.

TAP 04 13:55:04.3, 247°11N, 122°04'E, h86km, ML2.7, B
JMA 04 13:55:05.1, 0.3, 24.83N, 122.06E, 0.6, h78km, 3km,
TAIWAN REGION
ISC 04 13:55:04.9, 1.6, 24°80'N, 0.04, 122°06'E, 0.03, h83km, 7km,
n86, c0572/146, Taiwan region

Main table listing stations with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EGS, TWB1, TWB1, NTC, NTC, TIPB, TIPB, TWC, TWC, ILA, ESAO, ESAO, SX11, SX11, NDS, NDS, NWF, NWF, TWE, TWE, WFSB, WFSB, WFSB, ESO2, ESO2, FUSB, FUSB, TNOU, TNOU, EWUT, EWUT, TWA, ENA, ENA, ENTT, ENTT, NWLT, NWLT, NHDH, NHDH, NDT, NDT, LATG, LATG, TAP, TAP, EAHA, EAHA, ESO3, ESO3, ESO3, ANP, TWY, YHNB, YHNB, NSK, NSK, TWS1, TWS1, NTST, ESO4, ESO4, NNSB, NNSB, NNS, NNS, ETL, ETL, NACB, NACB, NACB, ETLH, ETLH, NCUH, TWD.

4d 14h

Table of station data for the 4d 14h period, including station names, codes, coordinates, and other metadata.

2018 APR

Main table of station data for the period 2018 APR, listing stations like AAK, TKM2, MKAR, etc., with their respective coordinates and identifiers.

260

Table of station data for the 260 period, including stations like DMT0, WFOU, ABTO, etc., with their coordinates and details.

Additional metadata and coordinates for the 4d 14h section, including station IDs and location details.

Additional metadata and coordinates for the 260 section, including station IDs and location details.

Table with columns: CBB, comp=E,117nm,0.6s, IAML, 1.46 18, Pn, 14 52 58.4, etc. Lists various stations and their frequencies.

Table with columns: GRIB, Gribbell Island, 5.09 339, Sn, Sn, 14 54 22.9 -1.4, etc. Lists stations and frequencies for the 2018 APR section.

Table with columns: NIL, Nilore, 21.12 300, P, P, 15 25 59.7 +1.7, etc. Lists stations and frequencies for the 45 15h section.

4d 15h

Table of astronomical observations for 4d 15h, listing objects like KIV, GURO, BCRA, etc., with their coordinates, magnitudes, and observation details.

2018 APR

Table of astronomical observations for 2018 APR, listing objects like NSS, CONA, NC405, etc., with their coordinates, magnitudes, and observation details.

262

Table of astronomical observations for 262, listing objects like PMG, JAY, GENI, etc., with their coordinates, magnitudes, and observation details.

Additional astronomical data and notes, including coordinates and object names like BUJ 04 15:45:31.20,0.6:58S, 143:85E, h10km, mb4.7/38, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include Ulanbaatar, Shemya Is, Papeete, Urumqi, Vanda, Makanchi Array, MKAR, MAKZ, KSH, NIL, ZALV, TIXI, O14K, L14K, KURK, DRW, MK15K, L16K, N17K, OHAK, M17K, K17K, F17K, QSPA, J20K, CAST, E19K, BVAR, F20K, BRVK, MLY, RND, DHY, B21K, E22K, CCB, IL31, ILAR, B22K, C23K, L27K, BCAR, K27K, D25K, DAWY, E27K, L29M, K29M, J30M, EPYK, SNA, NVAR, TORD, DBIC.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include SNET, TECO, LALI, TECA, SNI, SJTE, COEG, JUCU, UESV, PANCS, LOMA, LOMA, LCY, PQSS, RANC, PACA, VSM, PAVA, BLLM, ITCA, LFN, UUES, PMON, PIC2, JAYA, CNRM, LCND, CNCH, CEVE, SNJE, RTR, UNIC, LLGN, NUBE, MTO3, MTO3, NAO, BER, Confirmed Earthquake, SPAO, SPITS, SALU, SAKU, NSS, HEF, ARAO, ARAO.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include ARCES, AKN, AKN, HYA, NB2, NB2, NOA, APAO, HFS, HFS, HFS, FIAO, FINES, FINES, EKA, VRAC, BRTR, MKAR, PSDA, PSDA, PSDA, PSDA, DMLN, DMLN, LTHK, LTHK, KRII, KRII, VSK1, EVGI, DRAG, RLS, NYDR, NYDR, LKD2, LKD2, TSUK, TSUK, TSUK, DRO, DRO, PVO, VVK, VVK, EFP, EFP, PYL, ANX, ANX, SERG, SERG, EVR, GUR, GUR, IGT, MAKR, THAL, AGC, LTK, THL, KRND, WIL2, NEST, SCTE, XOR, DION, KYMI, ANKY, FINES, ARCES, MKAR, ZALV, VIE.

4d 17h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WATA Walderalm, WATA Wattenberg, WTAA Sankt Quirin, SOTA Sankt Quirin, SOTA Mosaal, MOTA Mosaal, MOTA Mosaal.

TIR 04 16:54:38.2, 39.41N, 20.31E, h24km, 1km, Md3.5, M3.0
ATH 04 16:54:38.2, 39.46N, 20.35E, h5km, 1km, ML3.0/1.3
Manual Solution by S.Koutrakis This location: 2020/05/28
13:04:08 ML. Amplitudes are expressed in micrometers, All
distances are expressed in degrees Latitude uncertainty: 0
km; Longitude uncertainty: 1 km

THE 04 16:54:39.5, 39.45N, 20.33E, h0km, 3km, ML2.9/5, Error
ellipse: s-maj=3.4km s-min=0.7km az=257.0

ISC 04 16:54:39.2, 1.0, 39.44N, 0.02, 20.35E, 0.03, h8km, 9km,
n58, e111/83, 4C-4D, Greece-Albania border region

Main station list table for the 4d 17h section, listing stations like JAN Janina, SRN Sarande, TSJK Tsoukalades, LSK Leskovik, DRAG Dragano-Lefkad, etc.

IDC 04 17:04:27.3, 1.1, 29.63S, 178.58W, h138km, 1.3km, mb3.6/4,
mbmp4.1/5, Error ellipse: s-maj=32.6km s-min=22.9km
az=38.0
NEIC 04 17:04:37.6, 3.1, 30.5S, 0.1, 179.3W, 0.1, h186km, 9km,
mb4.2/15, Error ellipse: s-maj=18.6km s-min=15.7km
az=69.0
WEL 04 17:06:19.3, 38.52N, 17.8E, 1.7, h58km, 19km, M2.2/11,
ML2.1/13, ML2.2/11, Error ellipse: s-maj=0.0km
s-min=0.0km az=152.3
ISC 04 17:04:38.0, 0.8, 30.47S, 0.08, 179.3W, 0.1, h200km, n65,

2018 APR

Main station list table for the 2018 APR section, listing stations like RAO Raoul Island, MXZ Matakoqa Point, WMGZ Waionatitini S, etc.

Main station list table for the 2018 APR section, listing stations like Q19K Cape Douglas, KAKM Katmai Knife C, BRSE Bradley Lake S, etc.

Table with 4 columns: RES, PDAR, PETK, FRB, H112, H113, H114, H115, H116, H117. Columns contain station names, coordinates, and other data.

IDD 04 17:16:32.0, 9.2'20S; 99°42'E, h0km, mb4.2/16, mbmp4.2/16, MS3.3/4, Error ellipse: s-maj=31.0km s-min=14.8km az=57.0

DJA 04 17:16:34.1, 1.0, 2'S; 4.9'9"E, h16km, 9km, M4.4/14, mb4.7/9, mB5.0, MLV4.4/14, Mw(mB)4.3/5

NEIC 04 17:16:35.2, 2.3, 2.05S; 0.09, 99.29E; 0.9, h10km, 1km, mb4.4/29, Error ellipse: s-maj=17.8km s-min=12.2km az=22.0

ISC 04 17:16:33.7, 0.6, 2'18S; 0'06, 99'33E; 0'06, h10km, n82, s=191°7'6, mb4.3/29, MS3.3/5, Southern Sumatera

Main table listing seismic stations with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like SISI Saibi, PPSI Pulau Pagai, PDSI Padang, etc.

Table listing seismic stations with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like MK31 Makanchi Array, MKAR Makanchi Array, MJAR Matsushiro Arr, etc.

BUI 04 17:24:36.7, 0.0, 57.791S; 25°24'W, h38km, Ms5.6/2, Ms7.5/4/2

NEIC 04 17:24:38.0, 1.9, 57.8S; 0.1x25.4W; 0.2, h47km, 5km, mb5.2/50, Error ellipse: s-maj=18.7km s-min=12.9km az=17.0

IDD 04 17:24:39.5, 2.5, 57.74S; 25°41'W, h56km, 21km, mb4.4/12, mbmp4.7/13, ML4.7/11, MS4.0/30, Error ellipse: s-maj=19.6km s-min=14.2km az=62.0

GCMT 04 17:24:40.0, 0.3, 57.96S; 0.04, 24.85W; 0.4, h37km, 1km, MW5.0/49, Moment Tensor Solution. s1, c45; s49, c56; Duration: 0 Moment tensor: Scale 10^10Nm; Mr:2.54; 23; Mw:1.18; 2.0; Mo: 3.72; 1.5; Mo: 0.03; 2.0; Mo: 0.72; 1.1; Mo: 1.25; 1.3; Best double couple: Mo: 3.26; 2.0; 0.16

NP1: 3.359, 0.000, -0.560, 0.000, 0.990, 0.000, 0.0; NP2: 0.163, 0.000, 0.635, 0.000, -0.777, 0.000; Principal axes: T 2.790, Plg7.000, Azm298.000, N 1.2570, Plg7.000, Azm174.000, P -4.0550, Plg1.000, Azm82.000; nsta1 refers to body waves, cutoff=40s; nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 04 17:24:38.0, 0.6, 57.92S; 0'06, 25°49'W; 0'07, h48km, 4km, h47km; p-P, n438, r139/425, m5, 1/35, MS4.1/30, 9C-1D, South Sandwich Islands region

Main table listing seismic stations with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like HOPE Hope Point, VNA1 Neumayer-Stat, VNA3 Neumayer Olym, etc.

Main table listing seismic stations with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like ITQB Itaqui, ITAB Concordia, ITAB Sao Paulo, etc.

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Table with columns for station name, frequency, power, and status. Includes stations like DBIC Dimbokro, CHSH Refugio Sur-Vo, ROSC El Rosario, etc.

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Table with columns for station name, frequency, power, and status. Includes stations like SKAG Skagway, WFO Whitehorse, FARY Faro, etc.

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Table with columns for station name, frequency, power, and status. Includes stations like J25K Salcha River, SCM Sheep Creek Mo, F26K Schemek River, etc.

Table with columns: ID, Name, Value, Unit, Status, etc. Rows include M18K Stony River, E21K Killik River, O17K Koliganek Bris, etc.

Table with columns: ID, Name, Value, Unit, Status, etc. Rows include WB2 Warrumunga Arr, AS31 Alice Springs, ASAR Alice Springs, etc.

IDC 04 17:27:51.6;10.0,0.755x137.93E,h0km,mb3.0/2, mbtmp3.0/3,ML2.71, Error ellipse: s-maj=46.4,1km s-min=31.7km az=82.0,Irian Jaya region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, etc. Rows include WRA Warrumunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, etc. Rows include TWP Suao, EWUT Wuta, ENA Nanau, etc.

Table with columns: ID, Name, Value, Unit, Status, etc. Rows include RTLL Cerro Villicun, ASAL Salagasta, ACCO Cerro Corral, etc.

IDC 04 17:32:03.7;0.2,24.2N;0.3;123.8E;0.4,h17km,1km, MV0.5/8,NIAR ISHIGAKIJIMA ISLAND, Southwestern Ryukyus Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, etc. Rows include WRA Warrumunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, etc. Rows include TWP Suao, EWUT Wuta, ENA Nanau, etc.

NEIC 04 17:24:49.2;6.8;28S;0.09;108.25E;0.07,h42km,6km, mb4.2/14, Error ellipse: s-maj=13.6km s-min=9.3km az=183.0

DJA 04 17:24:50.1;0.9,9'S;3.3;10'E;E, h18km,8km,ML4,1/14, mb4.3/1,MLV4,0/14

IDC 04 17:24:56.3;2.4,7.79S;109.16E,h88km,32km,mb3.4/6, mbtmp3.8/6, Error ellipse: s-maj=90.5km s-min=14.4km az=47.0

ISC 04 17:24:50.8;0.7,8.61S;0.07;108.47E;0.05,h55km,n45, c181/43,mb4.1/13, Jawa

Table with columns: Code, Station Name, Az, Phase ID, Time Res, etc. Rows include CMJI Cimerak, KPJI Karang Pucung, LEM Lembar, etc.

NEIC 04 17:44:54.3;0.8,31.69S;0.02;70.1W;0.2,h155km,17km, ML4,0/62, Error ellipse: s-maj=19.1km s-min=2.5km az=97.0

SJA 04 17:44:54.1;0.7,31.65S;69.72W,h123km,3km,ML3.6, GUC 04 17:44:55.2;0.9,31.68S;70.06W,h142km,5km,ML3.9

ISC 04 17:44:54.3;1.3,31.67S;0.02;69.80W;0.03,h128km,9km, n84,1:500/122,6C-12D, San Juan Province

Table with columns: Code, Station Name, Az, Phase ID, Time Res, etc. Rows include RTLL Leoncito, DOCX Reserva Natura, RTVC Cerro Valdivia, etc.

NEIC 04 17:24:50.8;0.7,8.61S;0.07;108.47E;0.05,h55km,n45, c181/43,mb4.1/13, Jawa

SJA 04 17:44:54.1;0.7,31.65S;69.72W,h123km,3km,ML3.6, GUC 04 17:44:55.2;0.9,31.68S;70.06W,h142km,5km,ML3.9

ISC 04 17:44:54.3;1.3,31.67S;0.02;69.80W;0.03,h128km,9km, n84,1:500/122,6C-12D, San Juan Province

Table with columns: Code, Station Name, Az, Phase ID, Time Res, etc. Rows include VA01 Torpederas, AVIZ Vicaccheras, CO05 La Serena, etc.



Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like 143A Soes Landing, T25A Trinidad, SCIA State Center, etc.

DJA 04 18:20:17.0:1.4, 19°N, 7°14'5E, h35km, 12km, M5, 1/39, mb6.0/7, mb5.0/39, MLv4.6/1, Mw(mb)5.6/7

NEIC 04 18:20:35.3:1.8, 18.74°N, 0°14:15.5E:0.1, h22km, 6km, mb4.5/94, Error ellipse: s-maj=18.1km s-min=5.1km az=97.0

IDC 04 18:20:36.3:0.7, 18.78°N, 145.44E, h239km, 5km, mb3.8/23, mbtmp4.4/26, Error ellipse: s-maj=12.4km s-min=8.6km az=103.0

ISC 04 18:20:33.9:0.4, 18.81°N, 0°04:145.46E:0.08, h214km, n174, s142/164, mb4.5/83, Mariana Islands

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like GUMO Guam, JCJ Chichijima, PATS Patong, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like MDJ, MRSI Marisa, MYLDM Mylind, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like MKAR, KDAA Kodjak Island, KURK Kurchatov, etc.

KRSC 04 18:22:08.5:1.1, 55.68°N, 165.61E, h16km, 13km, MI3.8, Komandorski Islands region

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like BKE Bering, BKJ Krutoberegovo, etc.

IDC 04 18:27:15.7:4.7, 3.36°N, 96.47E, h0km, mb3.5/5, mbtmp3.5/5, Error ellipse: s-maj=260.9km s-min=20.9km az=55.0

DJA 04 18:27:25.0:5.3, 3°N, 2.9°E, h52km, 13km, M3.6/8, MLv3.6/8

ISC 04 18:27:26.1:0.9, 3.49°N, 0.05:96.77E:0.07, h72km, n17, s109/151, mb3.5/5, Komander Islands region

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like MLSI Meulaboh, KCSI Kotacane, etc.

ASAR	Alice Springs	45.13	129	P	P	18 35 35.6	-0.1
0.1nm, 0.3s, baz=299, slow=7.6, SNR=6.8 0.1nm, 0.3s							
KURBB	Kurchatov Arra	49.42	345	P	P	18 36 07.1	-1.6
0.1nm, 0.4s, baz=165, slow=6.6, SNR=1.6 0.1nm, 0.4s							
BVAR	Borovoye Array	53.96	341	P	P	18 36 40.8	-1.7
0.7nm, 0.3s, baz=154, slow=11, SNR=8.3 0.7nm, 0.3s							
H04N2	CROZET ISLANDS	63.43	213	T	T	19 45 33.3	
baz=51, slow=7.5							
H04N1	CROZET ISLANDS	63.44	213	T	T	19 45 13.6	
baz=51, slow=7.5							
H04N3	CROZET ISLANDS	63.45	213	T	T	19 45 14.9	
baz=51, slow=7.5							

IDC 04 18:33:12.4s, 0.38', 0.2N, 72.52E, h96km, 36km, mb3.3/4, mbmp3.5/8, Error ellipse: s-maj=74.3km s-min=28.4km az=145.0  
 NNC 04 18:33:19.9, 2.2, 38', 32N, 72.50E, h164km, 36km, mb3.0, mpv3.9, Error ellipse: s-maj=23.4km s-min=16.2km az=11.0

SOME 04 18:33:20.0, 39', 23N, 72.48E, h15km  
 ISC 04 18:33:16.3, 1.7, 38', 1N, 0.1', 72.41E, 0.10, h150km, n26, o176/31, mb3.5/4, 5C-2Z, Tajikistan

Code	Station Name	Δ°	AZ°	Op	Phase ID	Time	Res
						h m s	ISC
UCH	Uchter	4.41	21	Op	ISC	18 34 23.2	+0.8
SNR=22							
IUG	Iuzhnay	4.42	336	eP	Pn	18 34 24.1	+2.0
144nm, 0.5s							
IUG				eS	Sn	18 35 14.5	+1.0
EKS2	Erkin-Say	4.66	12	P	Pn	18 34 26.8	+1.5
SNR=24							
MRKS	Merke	4.67	7	eP	Pn	18 34 26.7	+1.3
38nm, 0.5s							
MRKS				eS	Sn	18 35 18.9	-0.3
60nm, 0.3s							
AAK	Ala-Arch	4.79	19	P	Pn	18 34 28.5	+1.5
SNR=18							
AAK	Ala-Arch	4.79	19	P	Pn	18 34 28.3	+1.3
6.4nm, 0.3s							
AAK				↑S	Sn	18 35 22.7	+0.6
DZA	Taraz	4.84	351	eP	Pn	18 34 29.5	+1.9
73nm, 0.7s							
DZA				eS	Sn	18 35 23.9	+0.6
106nm, 0.5s							
KBK	Karagaybulak	4.93	22	P	Pn	18 34 32.3	+3.3
SNR=5.4							
ULHL	Ulaloh	5.06	34	P	Pn	18 34 30.5	-0.2
SNR=6.8							
KK31	Karatay Array	5.19	344	P	Pn	18 34 33.9	+1.7
3.1nm, 0.3s, baz=157, slow=13, SNR=488							
KK31				↑S	Sn	18 35 31.4	-0.1
8.6nm, 0.7s, baz=166, slow=22, SNR=13							
CHMS	Chumysh	5.20	19	P	Pn	18 34 33.6	+1.4
SNR=7.3							
CHMS	Chumysh	5.20	19	↑P	Pn	18 34 33.0	+0.8
4.5nm, 0.4s							
CHMS				↑P	Sn	18 35 30.1	-1.5
BRLS	Borolday	5.29	339	eP	Pn	18 34 32.3	-1.2
25nm, 0.7s							
BRLS				eS	Sn	18 35 28.8	-5.0
21nm, 0.2s							
TKM2	Tokmak 2	5.38	26	↑P	Pn	18 34 35.1	+0.2
2.9nm, 0.7s							
USP	Ospenovka	5.39	16	P	Pn	18 34 35.6	+0.8
SNR=6.5							
GEYT	Alibeck	11.28	273	P	Pn	18 35 51.7	-1.4
0.6nm, 0.3s, baz=87, slow=5.0, SNR=2.0							
MKAR	Makanchi Array	11.33	37	P	Pn	18 35 51.7	-2.0
0.3nm, 0.5s, baz=197, slow=13, SNR=5.1							
KURBB	Kurchatov Arra	13.24	17	P	Pn	18 36 16.8	-1.6
0.1nm, 0.3s, baz=205, slow=11, SNR=1.6							
AB31	Akbulak array	14.31	325	P	Pn	18 36 33.0	-1.6
1.6nm, 0.3s, baz=131, slow=13, SNR=135							
BVA0	Borovoye Array	14.98	355	P	Pn	18 36 41.0	-1.0
1.9nm, 0.9s, baz=156, slow=11, SNR=9.7							
AKTO	Akyubinsk	16.03	325	↑P	Pn	18 36 55.1	+1.4
1.4nm, 0.4s							
ZALV	Zalesovo Beam	17.98	24	P	Pn	18 37 15.7	-0.9
0.8nm, 0.4s, baz=217, slow=9.5, SNR=3.8							
FINES	FINESS Array B	36.80	325	P	Pn	18 40 12.3	+3.1
0.6nm, 0.4s, baz=106, slow=10, SNR=6.5							
FINES				P	Pn	18 40 12.3	+3.1
HFS	Hagfors	42.51	321	P	Pn	18 40 58.1	+1.6
1.8nm, 0.9s, baz=94, slow=15, SNR=5.4							
HFS				P	Pn	18 40 58.1	+1.6
1.8nm, 0.9s							
NOA	NORSAR Array B	43.79	322	P	Pn	18 41 09.3	+2.5
0.2nm, 0.5s, baz=94, slow=7.6, SNR=1.3							
TORD	Torodi Ar. Bea	66.88	269	P	Pn	18 43 55.1	+2.6
0.2nm, 0.4s, baz=50, slow=7.1, SNR=2.1							
0.2nm, 0.4s							

GCMT 04 18:35:11.0, 0.5, 41', 46S, 0.02', 86', 50W, 0.03, h16km, 22km, MW4.8/77, Moment Tensor Solution. s10, c10; s77, c94; Duration: 0. Moment tensor: Scale 1016Nm; Mn=0.21±.11; Mw=1.21±.13; Mw1=1.00±.11; Mw0.1±.30; Mw=1.66±.09; Mw=0.29±.29; Best double couple: M1: 0.2200×10<sup>16</sup> Np1: 1.63 00000°, 884 00000°, λ-8.00000°. NP2: 254.00000°, 882.00000°, λ-174.00000°. Principal axes: T 2.1000, Plg1.0000, Azm208.0000; N -0.1510, Plg8.0000, Azm304.0000; P -1.9450, Plg10.0000, Azm118.0000; nst1 refers to body waves, cutoff=50s. nst2 refers to surface waves, cutoff=50s. Surface-wave location Triangular moment-rate function West Chile Rise

IDC 04 18:37:27.0, 9.2, 20S, 99', 39E, h0km, mb4.2/15, mbmp4.2/16, ML4.2/1, MS3.4/8 Error ellipse: s-maj=34.2km s-min=13.9km az=53.0  
 DJA 04 18:37:30.3, 1.1, 2', S4', 9'9E, h25km, 12km, M4.4/14, mb4.5/7, mB5.0/2, MLV4.3/14, Mw(mB)4.4/2  
 NEIC 04 18:37:30.2, 1.6, 2', 18S, 0.09, 99', 33E, 0.09, h10km, 1km, mb4.3/20, Error ellipse: s-maj=17.6km s-min=12.6km az=228.0  
 ISC 04 18:37:29.4, 0.6, 2.21S, 0.06, 99', 32E, 0.06, h10km, n78, o696/67, mb4.3/24, MS3.5/10, Southern Sumatera

Code	Station Name	Δ°	AZ°	Op	Phase ID	Time	Res
						h m s	ISC
PPSI	Pulau Pagai	0.88	128	P	Pg	18 37 46.9	+0.6
SNR=22							
PPSI				S	Sg	18 37 58.2	+0.4
SISI	Saibi	0.91	345	P	Pn	18 37 49.1	+0.8
SISI				S	Sn	18 38 01.3	-0.2
SISI				S	Sn	18 37 59.4	-0.1
PDSI	Padang	1.73	41	S	S	18 38 20.2	-1.4
PDSI				S	Sn	18 38 09.0	+0.5
BKNI	Bangka	2.38	34	P	Pn	18 38 18.4	+0.6
BKNI	Bangka	3.05	34	Pn	Pn	18 38 18.4	+0.6
BKNI	Bangka	3.05	34	P	Pn	18 38 18.3	+0.6
SBSI	Siboga	3.76	353	P	Pn	18 38 25.0	-2.5
GSJ	Gunungsitoli	3.93	28.6	P	Pn	18 38 28.6	-0.9
GLSI	Gunungsitoli	3.91	33	P	Pn	18 38 29.1	-0.4
WLI	Liwa	4.99	121	P	Pn	18 38 51.3	-0.1
213nm, 0.7s, 2um0.7nm							
DSRI	Dabo	5.53	72	P	Pn	18 38 52.0	+0.1
25nm, 1.3s, 1um0.2nm							
KCSI	Kotacane, Aceh	5.90	345	P	Pn	18 38 56.9	-0.1
15nm, 0.7s, 0.2nm							
MYKOM	Kota Tinggi	6.03	49	P	Pn	18 38 58.8	+0.1
TPRI	Tanjungpinang	6.06	59	P	Pn	18 38 59.9	+0.7
KASI	Kota Agung	6.12	123	P	Pn	18 38 58.6	-1.4
KULM	Kulim	7.57	10	Pn	Pn	18 39 19.8	-0.1
LEM	Lembang	9.45	119	Pn	Pn	18 39 45.6	-0.3
2.6nm, 0.3s, baz=294, slow=20, SNR=1.7 0.4nm, 0.5s							
UBPT	Khong Chiam	18.42	19	P	Pn	18 41 43.6	-1.4
KKM	Kota Kinabalu	18.76	64	P	Pn	18 41 48.5	-0.4
KKM				Iamb	Iamb	18 41 50.2	
comp=Z, 1.4nm, 0.8s							
MYLDM	Lahad Datu	20.52	69	P	Pn	18 42 08.3	+0.3
MYLDM				Iamb	Iamb	18 42 34.1	
comp=Z, 2.1nm, 1.1s							
CM31	Chiang Mai Arr	20.55	359	P	P	18 42 08.4	+0.1

Code	Station Name	Δ°	AZ°	Op	Phase ID	Time	Res
						h m s	ISC
CMAR	Chiang Mai Arr	20.55	359	P	P	18 42 07.5	-0.7
CMAR	Chiang Mai Arr	20.55	359	P	P	18 42 07.7	-0.6
comp=Z, 2.4nm, 0.9s, baz=188, slow=10, SNR=18							
PHRA	Phra	20.60	2	P	P	18 42 07.7	-1.2
CRAI	Chiengrai	22.33	3	P	P	18 42 28.2	+0.7
CRAI				Iamb	Iamb	18 42 30.8	
QIZ	Qiongzong	23.51	26	P	P	18 42 40.4	+0.7
QIZ				S	S	18 46 55.3	+1.6
comp=N, 100nm, 12.7s							
QIZ				LR	LR		
QIZ				LR	LR		
comp=E, 150nm, 13.1s							
QIZ				LR	LR		
QIZ				LR	LR		
comp=Z, 150nm, 12.3s							
TYG	Tagay City	26.87	52	LR	LR	18 54 57.6	
comp=Z, 76nm, 18.8s, baz=203, slow=39							
TYG	TengChong	27.09	358	P	P		
TNCH				PP	PnPn	18 43 14.0	+1.3
TNCH				PP	Pn	18 43 55.0	-0.1
TNCH				S	S	18 47 51.0	-0.1
TNCH				Pmax	Pmax		
TNCH				Pmax	Pmax		
TNCH				Pmax	Pmax		
TNCH				Pmax	Pmax		
TNCH				LR	LR		
TNCH				LR	LR		
comp=Z, 58nm, 6.9s							
H08S2	Diego Garcia H	27.26	258	T	T	19 11 33.5	
baz=79, slow=7.5							
H08S3	Diego Garcia H	27.26	258	T	T	19 11 33.9	
baz=79, slow=7.5							
H08S1	Diego Garcia H	27.27	258	T	T	19 11 34.8	
baz=79, slow=7.5							
PZH	PanZhiHu	28.64	5	P	P	18 43 30.4	+3.9
PZH				Pmax	Pmax		
comp=Z, 10nm, 0.6s							
PZH				Pmax	Pmax		
comp=Z, 110nm, 6.1s							
H01W3	Cape Leeuwin H	35.31	159	T	T	19 21 28.1	
baz=334, slow=7.6							
H01W2	Cape Leeuwin H	35.32	159	T	T	19 21 33.1	
baz=334, slow=7.6							
H01W1	Cape Leeuwin H	35.32	159	T	T	19 21 32.9	
baz=334, slow=7.6							
WRA	Warramunga Arr	38.47	120	P	P	18 44 50.7	-1.2
comp=Z, 2.2nm, 0.7s, baz=302, slow=9.1, SNR=21							
WRA				PcP	PcP	18 47 05.3	+0.1
comp=Z, 0.2nm, 0.6s, baz=314, slow=1.5, SNR=1.8							
ASAR	Alice Springs	39.68	125	P	P	18 45 01.3	-0.8
comp=Z, 1.3nm, 0.8s, baz=300, slow=7.6, SNR=1.6							
ASAR				PcP	PcP	18 47 09.1	+0.2
comp=Z, 1.3nm, 0.8s							
AS31	Alice Springs	39.68	125	P	P	18 45 01.9	-0.1
AS31				P	P	18 45 16.8	+0.3
GTA	Gaotai	41.42	1	eP	S	18 45 25.3	+5.4
GTA				S	S		
GTA				Pmax	Pmax		
comp=Z, 4.0nm, 1.2s							
HHC	Hu-ho-hao-te	44.29	13	eP	P	18 45 41.9	+2.4
HHC				Pmax	Pmax		
comp=Z, 41nm, 4.3s							
HHC				Pmax	Pmax		
comp=Z, 6.0nm, 0.6s							
HHC				LR	LR		





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MGAB	comp=E,17277µm,0.6s	AML	AML						
MGAB	comp=E,17300µm,1.4s	AML	AML						
MGAB	comp=N,15708µm,0.6s	AML	AML						
MGAB	comp=N,18670µm,0.6s	AML	AML						
MGAB	comp=N,18700µm,1.4s	AML	AML						
MGAB	comp=N,15700µm,1.4s	AML	AML						
CDCA	<b>Citt' di Caste</b>	0.70 305	P	Pg		18 41 42.8	-0.3		
TRTR	<b>Tortoreto Alta</b>	0.70 111	AML	AML		18 41 44.0	+0.8		
TRTR	comp=E,24950µm,0.6s	AML	AML						
TRTR	comp=N,26250µm,0.6s	AML	AML						
TRTR	comp=E,24950µm,1.4s	AML	AML						
TRTR	comp=N,26250µm,1.4s	AML	AML						
TRTR	comp=N,26212µm,0.6s	AML	AML						
TRTR	comp=N,26250µm,0.6s	AML	AML						
ATMC	<b>Monte Cedrone</b>	0.72 303	P	Pg		18 41 42.7	-0.7		
BADI	<b>Badiali</b>	0.72 308	AML	AML		18 41 42.9	-0.6		
BADI	comp=N,9055µm,0.3s	AML	AML						
BADI	comp=N,9120µm,0.7s	AML	AML						
BADI	comp=N,9056µm,0.3s	AML	AML						
BADI	comp=N,8006µm,0.3s	AML	AML						
GIGS	<b>Gran Sasso</b>	0.73 147	P	Pg		18 41 42.4	-1.4		
GIGS	comp=N,1385µm,0.8s	AML	AML						
GIGS	comp=N,1385µm,0.8s	AML	AML						
GIGS	comp=E,1955µm,0.7s	AML	AML						
GIGS	comp=N,1719µm,0.5s	AML	AML						
GIGS	comp=N,1251µm,0.5s	AML	AML						
PE3	<b>Peglio</b>	0.74 329	P	Pg		18 41 43.8	-0.1		
PE3	comp=N,2314µm,0.4s	AML	AML						
PE3	comp=N,1µm,0.4s	AML	AML						
FIAM	<b>Fiamignano</b>	0.80 175	P	Pg		18 41 43.9	-1.1		
FIAM	comp=N,5130µm,0.7s	AML	AML						
FIAM	comp=N,7975µm,0.7s	AML	AML						
FIAM	comp=N,7973µm,0.7s	AML	AML						
FIAM	comp=N,5134µm,0.7s	AML	AML						
CAFI	<b>Castiglione Fio</b>	0.82 289	P	Pg		18 41 44.7	-0.6		
CAFI	comp=N,8815µm,0.5s	AML	AML						
CAFI	comp=N,8645µm,0.4s	AML	AML						
CAFI	comp=N,9215µm,0.5s	AML	AML						
CAFI	comp=N,9213µm,0.5s	AML	AML						
CAFI	comp=N,8649µm,0.5s	AML	AML						
CAFI	comp=N,8893µm,0.5s	AML	AML						
CAFI	comp=N,8818µm,0.5s	AML	AML						
CAFI	comp=N,8880µm,0.5s	AML	AML						
PARC	<b>Parchiute</b>	0.82 316	AML	Pg		18 41 44.6	-0.7		
PARC	comp=N,5595µm,0.6s	AML	AML						
PARC	comp=N,5596µm,0.6s	AML	AML						
PARC	comp=N,8435µm,0.6s	AML	AML						
PARC	comp=N,8433µm,0.6s	AML	AML						
SSP9	<b>Sansepolcro</b>	0.82 308	P	Pg		18 41 45.0	-0.5		
SSP9	comp=N,8310µm,1.5s	AML	AML						
SSP9	comp=N,8310µm,0.5s	AML	AML						
SSP9	comp=N,8310µm,0.5s	AML	AML						
SSP9	comp=N,7572µm,0.5s	AML	AML						
SSP9	comp=N,7572µm,0.5s	AML	AML						
SACS	<b>San Casciano d</b>	0.84 256	P	Pg		18 41 46.2	+0.4		
SACS	comp=N,7905µm,1.0s	AML	AML						
SACS	comp=N,7715µm,1.0s	AML	AML						
SACS	comp=N,7715µm,1.0s	AML	AML						
SACS	comp=N,7905µm,1.0s	AML	AML						
SACS	comp=N,6060µm,0.5s	AML	AML						
SACS	comp=N,5635µm,0.4s	AML	AML						
SACS	comp=N,7715µm,1.0s	AML	AML						
SACS	comp=N,7905µm,1.0s	AML	AML						
SACS	comp=N,6062µm,0.5s	AML	AML						
INTR	<b>Introdacqua</b>	1.24 148	P	Pn		18 41 51.1	-2.2		
RUF1	<b>Rufina</b>	1.35 306	P	Pn		18 41 53.9	-0.7		
CSGC	<b>Osservatorio P</b>	1.38 290	P	Pn		18 41 53.9	-1.1		
OSCS	<b>Osservatorio P</b>	1.38 290	P	Pn		18 41 54.8	-0.3		
CASP	<b>Castiglione de</b>	1.61 261	Pn	Pn		18 41 56.4	-1.8		
LIK	<b>San Giovanni I</b>	1.61 165	AML	AML					
LIK	comp=N,2660µm,0.7s	AML	AML						
LIK	comp=N,1840µm,1.2s	AML	AML						
LIK	comp=N,1838µm,0.8s	AML	AML						
LIK	comp=N,2658µm,0.7s	AML	AML						
MTCR	<b>Monte La Croce</b>	1.76 304	P	Pn		18 41 59.9	-0.6		
ZCCA	<b>Zocca</b>	1.96 312	P	Pn		18 42 02.5	-0.6		
BADI	<b>Bagni Di Lucca</b>	2.02 300	P	Pn		18 42 04.2	-0.5		
CARD	<b>Cardoso</b>	2.08 298	P	Pn		18 42 07.6	-0.7		
PAOL	<b>Paolisi</b>	2.34 150	Pn	Pn		18 42 06.3	-2.9		
SGRT	<b>San Giovanni R</b>	2.40 122	P	Pn		18 42 31.3	-7.5		
SGRT	baz=114		S	Sn					
SGRT	comp=N,2.4nm,1.0s,baz=114		AMP						
SGRT	<b>San Giovanni R</b>	2.40 122	Pn	Pn		18 42 08.5	-0.8		
MRB1	<b>Monte Rocchett</b>	2.42 142	P	Pn					
MRB1	comp=N,1120µm,0.8s	AML	AML						
MRB1	comp=N,838µm,0.7s	AML	AML						
MRB1	comp=N,1115µm,0.8s	AML	AML						
MRB1	comp=N,1115µm,1.2s	AML	AML						
MRB1	comp=N,1120µm,1.2s	AML	AML						
MRB1	comp=N,1113µm,0.8s	AML	AML						
MRB1	comp=N,749µm,1.1s	AML	AML						
MRB1	comp=N,1122µm,0.8s	AML	AML						
MRB1	comp=N,827µm,1.1s	AML	AML						
TEOL	<b>Teolo</b>	2.49 338	Pn	Pn		18 42 10.3	-0.1		
SKDS	<b>Skadanscina</b>	2.58 16	ePn	Sn		18 42 10.9	-0.7		
SKDS			eSn	Sn		18 42 42.2	-1.0		

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SKDS	comp=N,176nm,0.3s	AML	AML						
SKDS	<b>Skadanscina</b>	2.58 16	ePn	Pn		18 42 10.7	-0.9		
PRMA	<b>PARMA</b>	2.59 312	Pn	Pn		18 42 09.9	-1.8		
MSSA	<b>Maissana</b>	2.83 297	Pn	Pn		18 42 14.9	-0.3		
CEV	<b>Cerknica</b>	2.86 20	ePn	Pn		18 42 16.5	+0.3		
A050A	<b>Klekovaca</b>	2.91 60	ePn	Pn		18 42 16.5	+0.3		
BOJS	<b>Bojanci</b>	2.92 33	ePn	Pn		18 42 16.0	-0.2		
BOJS	<b>Bojanci</b>	2.92 33	ePn	Pn		18 42 16.1	-0.2		
SABO	<b>M.te Sabotino</b>	2.94 8	Pn	Pn		18 42 16.1	-0.6		
SABO	<b>M.te Sabotino</b>	2.94 8	AML	AML					
SABO	comp=N,5820µm,0.6s	AML	AML						
SABO	comp=N,1205µm,0.6s	AML	AML						
SABO	comp=N,1895µm,0.7s	AML	AML						
SABO	comp=N,7100µm,0.7s	AML	AML						
SABO	comp=N,5823µm,0.6s	AML	AML						
SABO	comp=N,1207µm,0.6s	AML	AML						
SABO	comp=N,1894µm,0.7s	AML	AML						
SABO	comp=N,7099µm,0.7s	AML	AML						
POLC	<b>Polcenigo</b>	2.98 353	AML	AML					
POLC	comp=N,2099µm,0.6s	AML	AML						
POLC	comp=N,1520µm,0.8s	AML	AML						
POLC	comp=N,2100µm,0.6s	AML	AML						
POLC	comp=N,2100µm,1.4s	AML	AML						
POLC	comp=N,1520µm,1.2s	AML	AML						
POLC	comp=N,1517µm,0.8s	AML	AML						
PGF	<b>Pioggia</b>	3.00 261	ePn	Pn		18 42 16.9	-0.6		
PGF	comp=N,58nm,0.7s	eSn	Sn			18 42 51.1	-2.6		
SALO	<b>Sali</b>	3.12 326	Pn	Pn		18 42 19.1	+0.1		
CTI	<b>Castel Tesino</b>	3.14 342	Pn	Pn		18 42 19.5	+0.1		
CTI	<b>Castel Tesino</b>	3.14 342	Pn	Pn		18 42 19.5	+0.1		
SRKY	<b>Kupres RS</b>	3.17 70	ePn	Pn		18 42 21.0	+1.1		
MPRI	<b>Monte Prat</b>	3.18 360	AML	AML					
MPRI	comp=N,1285µm,1.3s	AML	AML						
MPRI	comp=N,704µm,0.7s	AML	AML						
MPRI	comp=N,988µm,0.7s	AML	AML						
MPRI	comp=N,924µm,0.6s	AML	AML						
MPRI	comp=N,1285µm,1.3s	AML	AML						
MPRI	comp=N,988µm,1.3s	AML	AML						
MPRI	comp=N,704µm,0.7s	AML	AML						
MPRI	comp=N,924µm,1.4s	AML	AML						
MPRI	comp=N,1285µm,0.7s	AML	AML						
MPRI	comp=N,924µm,0.6s	AML	AML						
MPRI	comp=N,704µm,0.7s	AML	AML						
MPRI	comp=N,988µm,0.7s	AML	AML						
ROBS	<b>Robic</b>	3.20 6	ePn	Pn		18 42 19.7	-0.4		
STAL	<b>STALIGIAL</b>	3.20 356	Pn	Pn		18 42 19.8	-0.4		
MGRS	<b>Mrkonjic Grad</b>	3.24 64	ePn	Pn		18 42 22.2	+1.5		
CRES	<b>Cresnjevi</b>	3.27 31	ePn	Pn		18 42 20.9	-0.1		
CIMO	<b>Cimolais</b>	3.27 353	AML	AML					
CIMO	comp=N,210µm,1.2s	AML	AML						
CIMO	comp=N,210µm,0.8s	AML	AML						
CIMO	comp=N,206µm,0.7s	AML	AML						
CIMO	comp=N,192µm,0.7s	AML	AML						
CIMO	comp=N,202µm,1.4s	AML	AML						
CIMO	comp=N,206µm,0.7s	AML	AML						
CIMO	comp=N,191µm,0.7s	AML	AML						
CIMO	comp=N,210µm,0.8s	AML	AML						
CIMO	comp=N,203µm,0.8s	AML	AML						
PRED	<b>Cave del Predis</b>	3.40 6	Pn	Pn		18 42 22.6	-0.3		
A051A	<b>Mrakovica</b>	3.41 54	ePn	Pn		18 42 23.9	+0.8		
STON	<b>Ston</b>	3.44 92	ePn	Pn		18 42 23.0	-0.4		
BLV	<b>Banja Luka</b>	3.45 59	ePn	Pn		18 42 26.0	+2.5		
GOLS	<b>Golubac</b>	3.48 31	iPn	Pn		18 42 27.5	+3.5		
SLATY	<b>Slatina</b>	3.56 59	ePn	Pn		18 42 25.1	+1.1		
MYKA	<b>Terra Mystica</b>	3.59 7	ePn	Pn		18 42 25.9	+0.3		
MYKA	comp=N,28nm,0.6s,SNR=15	eSn	Sn			18 43 09.6	+1.4		
OBKA	<b>Obir</b>	3.61 17	ePn	Pn		18 43 25.2	-0.7		
OBKA	comp=N,6.7nm,0.3s	eSn	Sn			18 43 29.3	+0.6		
OBKA	comp=N,109nm,0.5s	eSn	Sn			18 42 26.0	-0.1		
OBKA	<b>MATE</b>	3.66 130	AML	Pn		18 42 29.4	+3.0		
MATE	<b>Matera</b>	3.66 130	AML	AML					
MATE	comp=N,294µm,0.8s	AML	AML						
MATE	comp=N,294µm,0.8s	AML	AML						
MATE	comp=N,294µm,0.8s	AML							

SSB	Saint Sauveur	6.49 293	Pn	Pn	18 43 02.9	-2.5
SSB	Saint Sauveur	6.49 293	P	Pn	18 43 02.9	-2.4
MDVR	Moldovita	6.51 72	↑P	Pn	18 43 05.3	-0.2
IGT	Igoumenitsa	6.54 120	P	Pn	18 43 06.7	+0.7
ECH	Echery	6.59 323	Pn	Pn	18 43 06.7	0.0
ECH	Echery	6.59 323	P	Pn	18 43 06.7	0.0
FNA	Florina	6.43 07.0	Pn	Pn	18 43 08.0	+0.6
FNA	Florina	6.63 107	P	Pn	18 43 08.0	+0.6
BZS	Buzias	6.67 65	↑P	Pn	18 43 07.3	-0.5
BZS	Buzias	6.67 65	eP	Pn	18 43 09.5	+1.7
BZS	Buzias	6.67 65	eSn	Pn	18 44 22.0	-1.9
BZS	Buzias	6.67 65	P	Pn	18 43 07.2	-0.5
PRVS	Prvonek	6.69 92	ePn	Pn	18 43 09.3	+1.3
CDF	Champ du Feu	6.69 325	ePn	Pn	18 43 07.7	-0.4
CDF			eSn	Pn	18 44 22.1	-2.4
VRAC	Vranov	6.72 20	ePn	Pn	18 43 07.5	-0.9
VRAC			eSn	Pn	18 44 21.0	-4.1
VRAC	Vranov	6.72 20	P	Pn	18 43 10.8	+2.4
VRAC			S	Pn	18 44 20.9	-4.2
VRAC			Sn	Pn	18 44 20.9	-4.2
VRAC			LR	LR	18 46 21.1	
VRAC			LR	LR	18 46 21.1	
LASF	Ste Croix	6.73 282	ePn	Pn	18 43 09.2	+0.5
LASF			eSn	Pn	18 44 21.7	-3.8
GRFO	Grafenberg	6.74 350	Pn	Pn	18 43 06.6	-2.2
GRFO	Grafenberg	6.74 350	P	Pn	18 43 06.6	-2.2
GRA1	Grafenberg Arr	6.75 350	Pn	Pn	18 43 05.0	-3.8
GRF	Grafenberg Arr	6.75 350	P	Pn	18 43 05.1	-3.7
ZAGS	Zajecar	6.75 80	ePn	Pn	18 43 08.7	-0.1
VYHS	Vyhne	6.78 35	ePn	Pn	18 43 11.7	+2.4
VYHS	Vyhne	6.78 35	ePn	Pn	18 43 39.8	+0.4
VYHS	Vyhne	6.78 35	eSn	Pn	18 44 20.8	-5.8
VYHS	Vyhne	6.78 35	eP	Pn	18 43 11.7	+2.4
VYHS	Vyhne	6.78 35	eP	Pn	18 44 20.8	
HAU	Haudompre	6.81 319	ePn	Pn	18 43 10.1	+0.4
HAU			eSn	Pn	18 44 25.0	-2.3
PSZ	Piszkesteto	6.85 42	Pn	Pn	18 43 09.5	-0.7
PSZ	Piszkesteto	6.85 42	P	Pn	18 43 09.5	-0.7
GOPC	GO Pecny, Ondr	6.96 9	ePn	Pn	18 43 10.9	-0.8
GOPC	GO Pecny, Ondr	6.96 9	eP	Pn	18 43 12.4	+0.1
PRU	Pruhonice	7.00 8	ePn	Pn	18 44 26.8	-5.3
PRU	Pruhonice	7.00 8	eP	Pn	18 43 12.4	+0.1
PRU			e	Pn	18 44 26.8	
HERR	Herculane	7.02 72	↑P	Pn	18 43 12.8	+0.2
ZAPS	Zavoje	7.03 85	ePn	Pn	18 43 13.2	+0.4
ZAPS			eSn	Pn	18 44 26.8	-5.9
SURR	Surdub	7.05 64	↑P	Pn	18 43 12.2	-0.8
NKCC	Novy Kostel	7.18 357	ePn	Pn	18 43 15.8	+1.0
NKCC			eSn	Pn	18 44 33.3	-3.2
NKCC	Novy Kostel	7.18 357	eP	Pn	18 43 15.8	+1.0
NKCC			e	Pn	18 44 33.3	
MORC	Moravsky Berou	7.38 68	↑P	Pn	18 43 16.8	-1.1
MORC	Moravsky Berou	7.40 23	Pn	Pn	18 43 16.4	-1.4
MORC	Moravsky Berou	7.40 23	Pn	Pn	18 43 16.7	-1.1
SMF	Signal de Mont	7.44 302	ePn	Pn	18 43 19.2	+0.9
SMF			eSn	Pn	18 44 40.2	-2.7
PAGF	Fort de Pagny	7.49 320	ePn	Pn	18 43 19.9	+0.9
PAGF			eSn	Pn	18 44 37.9	-6.2
KECS	Kecovo	7.52 41	ePn	Pn	18 43 24.1	+4.7
KECS	Kecovo	7.52 41	eP	Pn	18 43 24.1	+4.7
VTS	Vitohsa	7.52 90	ePn	Pn	18 43 20.6	+1.0
SFTF	Sextontaines	7.59 315	ePn	Pn	18 43 20.6	+0.1
SFTF			eSn	Pn	18 44 43.2	-3.5
DPC	Dobruska-Polom	7.63 16	ePn	Pn	18 43 22.4	+1.4
DPC	Dobruska-Polom	7.63 16	eP	Pn	18 43 22.4	+1.4
LIT	Litokhoron	7.69 109	Pn	Pn	18 43 20.3	-1.5
LOR	Lormes	7.72 306	ePn	Pn	18 43 23.6	+1.4
LOR			eSn	Pn	18 44 46.0	-3.7
UPC	Udice	7.72 14	ePn	Pn	18 43 22.8	+0.6
UPC			eP	Pn	18 43 22.8	+0.6
MEZF	Maizieres J'vi	7.78 317	ePn	Pn	18 43 24.8	+1.8
MEZF			eSn	Pn	18 44 48.9	-2.3
AVF	Avril sur Loir	7.81 302	ePn	Pn	18 43 24.1	+0.8
AVF			eSn	Pn	18 44 47.9	-3.9
CHVC	Chvaleb	7.81 14	ePn	Pn	18 43 23.5	+0.1
CHVC	Chvaleb	7.81 14	ePn	Pn	18 43 23.5	+0.1
SSF	Saint Sauveur	7.83 304	ePn	Pn	18 43 25.0	+1.3
SSF			eSn	Pn	18 44 48.4	-4.0
BRG	Berggiesshubel	7.84 4	eP	Pn	18 43 24.1	+0.3
BRG	Berggiesshubel	7.84 4	P	Pn	18 43 35.0	+1.1
BRG			Amp	Pn	18 43 35.9	
BRG			S	Pn	18 44 47.9	-4.6
BRG			r	Pn	18 45 15.4	
BRG			r	Pn	18 45 55.7	
BRG			Amp	Pn	18 46 22.2	
BRG			S	Pn	18 43 24.0	+0.3
BRG			S	Pn	18 44 47.9	-4.6
BRG			Pmax	Pmax	18 44 47.9	-4.6
BRG			Pmax	Pmax	18 44 47.9	-4.6
KEST	Kesra	7.86 202	P	Pn	18 43 28.3	+4.1
KEST			LR	LR	18 46 17.2	
MTLF	Montlieu	7.90 276	ePn	Pn	18 43 26.7	+2.0
MARR	Marsel-Ctuj	8.03 60	↑P	Pn	18 43 26.2	+0.3
BGF	Bois d'Anglad	8.03 299	ePn	Pn	18 43 27.1	+0.6
BGF			eSn	Pn	18 44 54.6	-2.8
LOT	Lotru	8.07 69	↑P	Pn	18 43 27.8	+0.7
AGG	Agios Georgios	8.11 117	P	Pn	18 43 26.9	-0.7
AGG	Agios Georgios	8.11 117	P	Pn	18 43 26.9	-0.7
CAF	Calviac	8.12 287	eSn	Pn	18 44 55.0	-4.5
WLF	Wallerfange	8.13 327	ePn	Pn	18 43 30.2	+2.4
CLL	Collim	8.25 360	ePn	Pn	18 43 34.0	+4.6
CLL	Collim	8.25 360	ePn	Pn	18 44 58.0	-4.6
CLL			eSg	Pn	18 45 57.0	+2.9
CLL			eP	Pn	18 43 34.0	+4.6
CLL			S	Pn	18 44 58.0	-4.6
VOIR	Voire	8.95 71	↑P	Pn	18 43 38.5	-0.7
VOIR			P	Pn	18 43 38.4	-0.7
BCLA	Clavier	9.06 327	ePn	Pn	18 43 39.9	-0.6
BCLA			eS	Pn	18 45 21.9	-0.8
DOU	Dourbes	9.11 323	ePn	Pn	18 43 41.1	+1.0
BMRD	Maredsous	9.19 325	ePn	Pn	18 43 43.1	+0.8
BAIF	Baives	9.26 322	ePn	Pn	18 43 48.8	+5.6
ELND	Elena	9.42 86	↑P	Pn	18 43 45.5	0.0
RDO	Rodhopi	9.50 97	↑P	Pn	18 43 44.2	-2.3
MLR	Muntele Rosu	9.58 71	↑P	Pn	18 43 47.8	-0.1
MLR	Muntele Rosu	9.58 71	P	Pn	18 43 45.5	+2.5
MLR	Muntele Rosu	9.58 71	P	Pn	18 43 51.4	+3.5
MLR			LR	LR	18 48 44.0	
MLR			LR	LR	18 48 44.0	
BURAR	Bucovina Array	9.71 58	↑P	Pn	18 43 48.6	-1.0
COVR	Voineasa-Covas	9.83 69	↑P	Pn	18 43 51.0	-0.1
ALN	Alexandroupoli	9.94 98	↑P	Pn	18 43 52.2	-0.4
ALN	Alexandroupoli	9.94 98	P	Pn	18 43 52.2	-0.4
LDF	La Druittiere	10.70 306	ePn	Pn	18 44 07.9	+4.9
LDF			eSn	Pn	18 45 57.2	-5.8
GRR	Gorron	11.06 304	eSn	Pn	18 46 06.0	-5.7
GRR			S	Pn	18 46 06.0	-5.7

IDI	Anoyia	12.04 126	P	Pn	18 44 26.7	+5.3
AKASO	Main Array B	13.44 50	LR	LR	18 49 32.7	
AKASO	Main Array Si	13.44 50	eP	Pn	18 44 40.1	-0.3
ELLB	Elmal	14.40 110	Pn	Pn	18 44 53.3	-0.5
ELL	Elmal	14.40 110	P	Pn	18 44 53.3	-0.5
BR131	Keskin Array S	15.82 95	iP	Pn	18 45 12.3	-0.4
BRTR	Keskin Array B	15.82 95	P	Pn	18 45 15.7	+3.0
BRTR			LR	LR	18 52 11.8	
EKA	Eskdalemuir Ar	16.15 325	P	Pn	18 45 15.5	-1.2
HFS	Hagfors	17.10 1	P	Pn	18 45 28.1	-0.6
HFS			P	Pn	18 45 28.1	-0.6
NOA	NOARSAR Array B	18.04 357	P	Pn	18 45 40.3	0.0
NOA			LR	LR	18 52 47.3	
NOB201	NOARSAR Array S	18.04 357	Pn	Pn	18 45 40.9	+0.5
NOB201			IAMB	IAMB	18 45 43.3	
ARPR	Krapigj-MALATY	19.47 93	P	P	18 45 55.9	-0.9
ARPR			IAMB	IAMB	18 46 07.9	
FINES	FINES Array B	20.00 19	P	P	18 46 03.0	+0.8
FINES	FINES Array B	20.00 19	P	P	18 46 01.8	-0.4
FINES			P	P	18 46 03.0	+0.8
FINES			P	P	18 46 01.8	-0.4
FINES			P	P	18 46 03.0	+0.8
FINES			P	P	18 46 01.8	-0.4
MMAI	Mount Meron Ar	20.23 112	P	P	18 46 07.1	+2.1
MMAI			LR	LR	18 55 32.1	
KIV	Kislovodsk	21.49 77	P	IAMB	18 46 19.9	+1.3
KIV			IAMB	IAMB	18 46 22.9	
KIV	Kislovodsk	21.49 77	eP	Pmax	18 46 19.3	+0.7
KIV			Pmax	Pmax	18 46 19.3	+0.7
KBZ	Khabaz	21.67 78	P	P	18 46 22.6	+2.2
KBZ			P	P	18 46 21.2	+0.8
KBZ			Pmax	Pmax	18 46 21.2	+0.8
KBZ			Pmax	Pmax	18 46 21.2	+0.8
KLMR	Klimovskoe	23.89 33	eP	Pmax	18 46 44.5	+1.2
KLMR			Pmax	Pmax	18 46 44.5	+1.2
ARCES	ARCES Array B	27.31 10	P	P	18 47 15.5	+1.3
TORD	Tordi Ar. Bea	31.38 202	P	P	18 47 51.9	+1.1
ARU	Arti	31.69 49	P	P	18 47 52.9	-0.4
ARU	Arti	31.69 49	P	P	18 47 52.3	-0.9
ARU			S	Pn	18 53 01.5	-1.1
ARU			SS	SnSn	18 54 44.6	-4.0
ARU			Pmax	Pmax	18 54 44.6	-4.0
SPITS	Spitsbergen Ar	35.25 1	P	P	18 48 24.5	+0.4
SPITS			P	P	18 48 24.5	+0.4
BRVK	Borovoye	38.59 54	P	P	18 48 53.6	+1.0
BRVK			IAMB	IAMB	18 48 57.0	
BRVK	Borovoye	38.59 54	iP	P	18 48 52.7	+0.1
BRVK			Pmax	Pmax	18 48 52.7	+0.1
BRVK			Pmax	Pmax	18 48 52.7	+0.1
BVAR	Borovoye Array	38.65 55	P	P	18 48 53.9	+0.6
BVAR			P	P	18 48 53.9	+0.6
KK31	Karatay Array	41.26 69	P	P	18 49 14.7	-0.3
KK31	Karatay Array	41.26 69	P	P	18 49 14.7	-0.3
KK31			Pmax	Pmax	18 49 14.7	-0.3
KKAR	Karatay Array	41.26 69	P	P	18 49 14.6	-0.5
KKAR	Karatay Array	41.26 69	eP	P	18 49 14.5	-0.5
KURBB	Kurchatov Arra	44.11 56	P	P	18 49 38.0	0.0
KURK	Kurchatov	44.14 56	P	P	18 49 38.0	-0.2
AAK	Ala-Archa	44.16 69	iP	P	18 49 38.8	+0.1
AAK			Pmax	Pmax	18 49 38.8	+0.1
MKAR	Makanchi Array	47.73 60	P	P	18 50 07.2	+0.4
MKAR	Makanchi Array	47.73 60	P	P	18 50 06.8	+0.1
MKAR			P	P	18 50 07.2	+0.4
MKAR			P	P	18 50 06.8	+0.1
ULN	Ulanbatar	62.08 49	iP	P	18 51 57.1	+1.0
ULN			Pmax	Pmax	18 51 57.1	+1.0
YKA	Yellowknife Ar	66.74 336	P	P	18 52 16.9	-3.8
LBTB	Lobatse	68.72 168	LR	LR	19 22 37.2	







DGMT	Dagmar	26.55	7	P	P	21 29 00.1	+2.0
LCR2	La Lucha 2	26.65	114	P	Iamb	21 28 58.1	-1.4
LCR2	comp-Z,25nm,1.3s					21 29 03.1	
O48B	Farmland	26.92	42	P	P	21 29 00.8	-0.7
NEW	Newport	26.97	347	P	P	21 29 02.5	+0.6
NEW	Newport	26.97	347	P	P	21 29 03.1	+1.1
NEW	Newport	26.97	347	LR	LR	21 29 42.5	
AGMN	Agassiz Nation	28.07	18	P	P	21 29 12.2	+0.5
ACSO	Alum Creek Sta	28.29	44	P	P	21 29 14.0	+0.2
P52A	Corning	28.54	46	P	P	21 29 16.2	+0.2
EYMN	Ely	29.23	24	P	P	21 29 22.7	+0.6
ULM	Lac du Bonnet	29.84	17	P	P	21 29 27.8	+0.4
ULM	comp-Z,14nm,1.1s					21 29 27.6	+0.1
ULM	Lac du Bonnet	29.84	17	P	P	21 29 27.6	+0.1
ULM	comp-Z,6.2nm,1.0s,baz=217,slow=10.0,SNR=6.4					21 42 15.5	
EDM	Edmonton	31.28	255	P	P	21 29 41.2	+1.0
EDM	comp-Z,5.2nm,1.0s					21 30 05.7	
FFC	Film Fion	32.96	7	P	P	21 29 55.6	+0.8
SADO	Sadowa	33.13	40	LR	LR	21 43 21.1	
BBB	Bella Bella	33.58	338	LR	LR	21 43 52.6	
SDDR	Presas de Saban	35.07	88	P	P	21 30 14.6	+0.9
SDDR	comp-Z,18nm,1.2s					21 30 16.6	
SC01	Santiago de lo	35.57	87	P	P	21 30 17.4	0.0
PULU	Putulaha	36.67	123	P	P	21 30 27.1	-0.8
TULM	Tulcn-Chaipat	36.81	121	P	P	21 30 28.3	-0.9
TULM	comp-Z,18nm,1.0s					21 30 47.6	
SLOR	San Lorenzo-	37.15	124	P	P	21 30 32.1	+0.2
SLOR	comp-Z,9.8nm,0.5s					21 30 42.3	
RCHS	Refugio Sur-Vo	37.35	125	P	P	21 30 34.0	+0.2
CHOS	EI Rosal	37.39	112	P	P	21 30 32.3	-1.7
ROSC	comp-Z,28nm,1.3s					21 30 39.4	
ROSC	EI Rosal	37.39	112	LR	LR	21 47 24.4	
ROSC	comp-Z,295nm,19.4s,baz=302,slow=39					21 30 35.3	-0.7
COHC	Cochancay	37.70	127	P	P	21 30 45.1	-0.6
SDV	Santo Domingo	38.80	104	P	P	21 30 57.0	
SDV	comp-Z,23nm,1.1s					21 30 45.0	-0.6
SDV	Santo Domingo	38.80	104	P	P	21 30 45.0	-0.6
SDV	comp-Z,6.0nm,0.8s,baz=313,slow=9.0,SNR=12					21 47 23.2	
YKA	Yellowknife Ar	40.57	356	P	P	21 31 00.6	+1.1
YKA	comp-Z,0.7nm,0.9s,baz=173,slow=7.5,SNR=12					21 48 20.4	
BAUV	EI Baul	41.12	102	P	P	21 31 03.6	-1.1
ATAH	Atahualpa	41.52	131	LR	LR	21 45 26.2	
PCRV	Puerto La Cruz	43.76	98	LR	LR	21 51 03.1	
SCHO	Schefferville	45.17	33	LR	LR	21 49 27.7	
CZSB	Cruzeiro do Su	46.05	126	P	P	21 31 43.5	-0.9
NNA	Nana	46.06	134	LR	LR	21 47 35.3	
L27K	Beaver Creek,	46.64	340	P	P	21 31 50.1	+1.6
HARP	HAARP	47.30	338	P	P	21 31 54.8	+1.2
SEW	Seward	47.51	334	P	P	21 31 56.1	+0.9
KDAK	Kodiak Island	47.65	330	P	P	21 31 56.7	+0.3
KDAK	Kodiak Island	47.65	330	LR	LR	21 48 18.5	
G31M	Satah River	47.67	347	P	P	21 31 57.8	+1.5
G31M	Satah River	47.67	347	P	P	21 31 57.1	+0.7
EGAK	Eagle	47.69	342	P	P	21 31 57.3	+0.7
OHAK	Old Harbor	47.71	329	P	P	21 31 57.5	+0.6
SCM	Sheep Creek Mo	47.71	336	P	P	21 31 57.5	+0.5
EPYK	Eagle Plains	47.76	345	P	P	21 31 57.8	+0.6
PAX	Paxson	47.78	338	P	P	21 31 58.6	+1.1
M23K	Glacier View	47.84	336	P	P	21 31 59.6	+1.7
128K	Miner Creek	47.85	343	P	P	21 31 59.5	+1.5
KNK	Knik Glacier	47.88	335	P	P	21 32 00.4	+2.2
SCRK	Sand Creek	47.98	340	P	P	21 32 00.8	+1.8
F31M	Tsiigehtich	48.00	347	P	P	21 32 01.0	+2.1
H29M	Whitestone	48.05	344	P	P	21 32 00.3	+0.9
SML	Sawmill	48.07	336	P	P	21 32 01.4	+1.7
RIDG	Independent Ri	48.09	339	P	P	21 32 01.1	+1.3
G30M	A'oh Zraii Nji	48.15	346	P	P	21 32 01.4	+1.2
HOM	Homer	48.19	332	P	P	21 32 02.1	+1.5
RC01	Rabbit Creek A	48.19	335	P	P	21 32 02.0	+1.4
J26L	Joseph Creek	48.21	341	P	P	21 32 02.1	+1.4
G29M	Pine Creek	48.51	345	P	P	21 32 04.4	+1.4
INK	Inuvik	48.69	348	P	P	21 32 06.0	+1.7
INK	Inuvik	48.69	348	LR	LR	21 53 56.2	
SUA	Susitna One	48.81	335	P	P	21 32 06.2	+0.8
O20K	Slope Mountain	48.83	332	P	P	21 32 06.0	+0.4
J25K	Salcha River,	48.85	340	P	P	21 32 06.7	+1.1
RPN	Rapa Nui	48.94	181	LR	LR	21 48 13.7	
ILAR	Eielson Array	49.45	340	P	P	21 32 10.7	+0.6
ILAR	Eielson Array	49.45	340	P	P	21 32 12.2	+2.1
ILAR	comp-Z,1.1nm,1.1s,baz=142,slow=7.8,SNR=3.8					21 51 59.3	
F28M	Old Crow	49.51	345	P	P	21 32 11.4	+0.8
F28M	comp-Z,12nm,1.3s					21 32 20.3	
F28M	Old Crow	49.51	345	P	P	21 32 12.1	+1.5
E29M	Blow River	49.67	346	P	P	21 32 12.9	+1.2
E29M	comp-Z,12nm,1.2s					21 32 13.4	+1.6
E29M	Blow River	49.67	346	P	P	21 32 13.4	+1.6
N19K	Bonanza Creek	50.00	333	P	P	21 32 15.5	+0.9
E28M	Babbage River	50.21	346	P	P	21 32 16.1	+0.2
E28M	Babbage River	50.21	346	P	P	21 32 17.4	+1.6
E27K	Coleen River	50.37	345	P	P	21 32 18.8	+1.7
G25K	Bearman Lake	50.54	342	P	P	21 32 19.7	+1.3
L20K	Farewell, AK	50.60	335	P	P	21 32 19.9	+0.9
D28M	Stokes Point	50.61	347	P	P	21 32 20.5	+1.6

F26K	Sheenjek River	50.66	343	P	P	21 32 21.2	+1.9
A36M	Sachs Harbour	50.80	353	P	Iamb	21 32 20.5	+0.2
A36M	comp-Z,8.7nm,0.9s					21 32 24.2	
A36M	Sachs Harbour	50.80	353	P	P	21 32 22.0	+1.8
D27M	Malcolm River	51.03	346	P	P	21 32 23.5	+1.4
K20K	Telida	51.14	336	P	P	21 32 24.0	+0.9
E25K	Arctic Village	51.34	343	P	P	21 32 25.6	+1.1
M17K	Holliba River	51.54	332	P	P	21 32 27.0	+1.0
J20K	Nowinta River	51.61	337	P	P	21 32 27.9	+1.4
O15K	Ungalikthiuk R	51.68	329	P	P	21 32 28.5	+1.4
TTA	Tatalina	51.68	335	P	P	21 32 28.4	+1.2
N16K	Nishlik Lake	51.72	331	P	P	21 32 28.6	+1.2
H21K	Melozitna Rive	51.96	338	P	Iamb	21 32 29.7	+0.6
H21K	comp-Z,15nm,1.4s					21 32 39.0	
H21K	Melozitna Rive	51.96	338	P	P	21 32 31.0	+1.9
ETMB	Extrema	52.33	123	P	Iamb	21 32 30.8	-1.7
ETMB	comp-Z,6.9nm,1.2s					21 32 40.4	
D25K	Kavik River	52.39	344	P	P	21 32 33.7	+1.4
E23K	Chandalar	52.42	342	P	P	21 32 34.3	+1.7
C26K	Camden Bay	52.46	345	P	P	21 32 34.5	+1.9
H20K	Anotleneega Mo	52.59	338	P	P	21 32 35.3	+1.5
M15K	Kasigluk River	52.67	331	P	P	21 32 35.4	+1.0
TOLK	Toolik Lake Re	52.79	342	P	P	21 32 36.5	+1.3
N14K	Kuskokwak Cree	52.84	330	P	P	21 32 37.4	+1.8
F22K	Johi River	52.84	341	P	P	21 32 37.4	+1.8
RES	Resolute Bay	53.13	5	LR	LR	21 54 40.1	
M14K	Bethe	53.27	331	P	P	21 32 40.1	+1.2
D23K	Nanushuk River	53.30	342	P	P	21 32 40.3	+1.3
SAML	Samuel	54.22	120	P	Iamb	21 32 43.8	-2.6
SAML	comp-Z,4.7nm,1.1s					21 32 46.6	
F19K	Shalericuk Mo	54.29	338	P	P	21 32 47.6	+1.4
NIKH	Nikolski High	54.79	320	P	P	21 32 50.3	+0.3
B21K	Ikpikpuk River	54.82	342	P	P	21 32 51.4	+1.4
F18K	Selawik	54.83	338	P	P	21 32 51.5	+1.4
B22K	Teshekpuk Lake	54.91	343	P	Iamb	21 32 50.9	+0.2
B22K	comp-Z,8.5nm,1.2s					21 33 00.2	
B22K	Teshekpuk Lake	54.91	343	P	P	21 32 52.1	+1.4
D19K	Kuna River	55.25	340	P	P	21 32 54.8	+1.5
G16K	Koyuk River	55.28	336	P	P	21 32 54.3	+1.0
E18K	Tukpahleirik C	55.54	338	P	P	21 32 56.4	+1.1
E17K	Hotham Inlet	55.81	338	P	P	21 32 58.4	+1.2
ANM	Nome	56.14	334	P	P	21 33 00.0	+0.4
PPT	Papeete	56.20	229	LR	LR	21 51 10.6	
PPT2	Papeete2	56.22	229	LR	LR	21 49 13.5	
PPT2	comp-Z,122nm,22.2s					eLR 21 49 22.7	
SPIA	Saint Paul Isl	56.36	325	P	P	21 33 01.8	+0.6
MDP	Montagnes des	56.67	99	LR	LR	21 59 36.2	
C17K	DeLong Mountain	56.89	339	P	P	21 33 05.5	+0.6
LVC	Limon Verde	58.94	136	LR	LR	21 53 20.3	
SIV	San Ignacio	60.05	125	LR	LR	21 58 07.7	
H03N2	Juan Fernandez	62.08	152	T	T	22 40 55.3	
H03N1	Juan Fernandez	62.09	152	T	T	22 40 54.6	
H03N3	Juan Fernandez	62.09	152	T	T	22 40 56.8	
SHEM	Shemys Is, Ala	65.07	319	LR	LR	21 55 50.5	
RAR	Rarotonga	65.86	233	LR	LR	21 56 20.8	
CPUP	Vila Florida	69.20	131	P	P	21 34 28.4	+1.1
CPUP	comp-Z,1.0nm,0.4s,baz=270,slow=2.4,SNR=1.8					22 03 51.3	
PLCA	Paso Flores	71.86	150	LR	LR	21 59 45.5	
JMIC	Jan Mayen	72.55	20	LR	LR	22 07 07.7	
SEY	Seymchan	74.54	332	LR	LR	22 05 08.9	
PETK	Petropavlovsk-	74.76	321	LR	LR	22 01 12.6	
MA2	Magadan	76.39	329	LR	LR	22 07 49.4	
H1N3	WAKE ISLAND Hy	77.87	286	T	T	23 01 06.6	
H1N2	WAKE ISLAND Hy	77.88	286	T	T	23 01 07.9	
H1N1	WAKE ISLAND Hy	77.89	286	T	T	23 01 08.7	
H1S1	WAKE ISLAND Hy	78.45	285	T	T	23 01 55.8	
H1S2	WAKE ISLAND Hy	78.46	285	T	T	23 01 54.7	
H1S3	WAKE ISLAND Hy	78.47	285	T	T	23 01 57.0	
TIXI	Tiksi	78.64	344	P	P	21 35 25.5	+0.6
TIXI	comp-Z,5.4nm,1.1s					21 35 28.3	
NB2	NORSAR Subarra	84.15	25	P	P	21 35 55.6	+4.2
NOA	NORSAR Array B	84.15	25	P	P	21 35 53.0	+1.6
YAK	Yaksk	84.24	336	LR	LR	22 16 34.5	
ESDC	Sonsec Array	86.77	48	LR	LR	22 13 04.8	
ASAJ	Asahikawa	87.47	317	LR	LR	22 09 20.4	
MDT	Midelt	89.30	55	LR	LR	22 16 29.2	
KLR	Kul'du	91.02	325	LR	LR	22 14 52.4	
URZ	Urewera	91.85	229	LR	LR	22 08 14.4	
DZM	Mont Dzumac	93.63	248	eLR	eLR	22 06 41.5	
DZM	comp-Z,27nm,32.3s					22 12 39.4	
MJAR	Matsushiro Arr	94.11					

4d 22h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like EHD Haiduan, WCS Beiang Elemen, LIOB Emei, etc.

TEH 04 21:31:17.3, 31.87N, 48.62E, h20km, 66km, ML3.5, Western Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AHWZ Ahwaz, JHEN Jahran bin, etc.

ISC 04 21:32:10.4, 1.6, 17.77N-81.60W, h0km, mb3.4/3, mbttmp3.4/3, Error ellipse: s-maj=49.8km s-min=39.1km az=3.0, North of Honduras

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TXAR Lajitas Array, YKA Yellowknife Ar, etc.

NEIC 04 21:34:27.1, 1.4, 43.76N, 105.35W, h0km, 1km, ML3.5/60, Error ellipse: s-maj=10.2km s-min=8.3km az=256.0

ISC 04 21:34:28.0, 1.8, 43.73N, 105.54W, h0km, mb3.9/5, mbttmp3.7/10, ML2.9/4, Error ellipse: s-maj=55.9km s-min=8.1km az=149.0

ISC 04 21:34:28.1, 0.8, 43.76N, 107.105, 32W, 0.07, h0km, n54, c079/52, mb4.0/5, Wyoming

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RSSD Black Hills, K22A Casper, etc.

2018 APR

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TPWA Teton Pass, YHHA Holmes Hill, etc.

ISC 04 21:46:58.1, 1.4, 34.23N, 45.81E, h0km, mb3.7/10, mbttmp3.7/11, ML3.4/1, MS2.6/3, Error ellipse: s-maj=33.1km s-min=17.7km az=171.0

TEH 04 21:47:00.1, 34.40N, 45.79E, h0km, 32km, ML3.5

ISC 04 21:47:00.9, 1.3, 34.42N, 45.84E, h14km, 9km, ML3.6

ISC 04 21:47:00.3, 1.3, 34.41N, 45.84E, 0.03, h8km, 10km, n50, c153/53, mb3.6/9, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KGSJ Ghasr-e-Shirin, IDHR Dehrah, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TORO Torodi Ar, SPITS Spitsbergen Ar, etc.

IDC 04 21:49:04.6, 7.9, 19.20N, 144.80E, h0km, mb3.6/6, mbttmp3.6/6, Error ellipse: s-maj=92.6km s-min=24.7km az=80.0, Mariana Islands

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

IDC 04 22:07:48.0, 1.8, 21.93N, 108.20W, h0km, mb3.9/7, mbttmp4.0/11, ML3.5/4, MS3.9/53, Error ellipse: s-maj=50.4km s-min=25.6km az=65.0

GCMT 04 22:07:49.5, 0.4, 21.99N, 102.108, 63W, 0.02, h18km, 1km, MW4.8/85, Moment Tensor Solution. s1, c12: s85, c103; D=0: Moment tensor. Scale 10^19Nm; M0: 0.80; 14; M1: 0.71; 09; M2: 2.51; 12; M3: 0.27; 25; M4: 0.70; 12; M5: 0.18; 24; Best double couple: M2, 26600x10^16

NP1: 325.00000, 81.00000, -1.68.00000. NP2: 223.00000, 87.00000, -9.00000. Principal axes: T 2.6300, P12.0000, Azm99.0000; N -0.7300, P15.0000; Azm 1.0000; P -1.9020, P15.0000; Azm INCO: Volcan 0.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NEIC 04 22:07:49.5, 2.0, 22.06N, 108.108, 70W, 0.07, h10km, 1km, mb4.6/82, M4.6/18(MEX) Error ellipse: s-maj=16.5km s-min=5.9km az=213.0

MEX 04 22:07:51.7, 0.3, 22.28N, 108.45W, h14km, 20km, M4.6

ISC 04 22:07:48.5, 0.7, 21.99N, 108.108, 68W, 0.06, h10km, n346, c1440/290, mb4.6/36, MS4.0/46, Revilla Gigedo Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SLBS Sierra La Lagu, MAIG Mazatlan, etc.

ESTA Talpa de Allen, 3.91 113 eP Pn 22 08 45.9 -2.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ESTA Chamela, TXAR Cascarita, etc.



Table with columns: Station Name, Frequency, Class, Mode, Date, Time, and other details. Includes stations like NEE2, W13A, CMIG1, SC12, WHTX, GMRC, PLPT, AMTX, AMT2, V12A, TUQ, SMWD, Z35A, Z35A, MVCO, MVCO, EDW2, SHOC, WMOK, WMOK, T25A, T25A, T25A, LRM, LOOK, SDCO, SDCO, SDCO, ISA, PKM, CWC, MVU, MSU, OK029, Q24A, Q24A, SMCO, R11B, HUEH, KSCO, KSCO, TUL3, TUL3, ISCO, ISCO, Z41A, O20A, MIAR, MIAR, T35A, T35A, NVAR, NVAR, NVAR, CBKS, PETF, DUG, APG, APG, 143A, 143A, X40A, N23A, U38A, U38A, TEIG, ELK, ELK, OGNE, ESQI, ESQI, MTO3, KSU1, K22A, LCAR, BW06, PDAR, PDAR, PDAR, MGMO, MGMO, AHID, BGNE, LOHW, LOHW, TGUH, TGUH, CCM, CCM, WVOR, WVOR, HLID, HLID, FLWY, FLWY, LRAL.

Table with columns: Station Name, Frequency, Class, Mode, Date, Time, and other details. Includes stations like PLAL, H17A, RSSD, RSSD, YFT, YFT, P40A, J08A, J08A, WVT, WVT, RLMT, RLMT, RLMT, RLMT, L04D, L04D, KRMB, KRMB, J05D, J05D, BOZ, BOZ, BOZ, BOZ, 152A, 152A, SUSD, SUSD, FPAL, FPAL, PLID, PLID, ECSD, ECSD, ECSD, ECSD, BOAB, BOAB, ACON, ACON, LAO, LAO, LAO, HDIL, HDIL, HDIL, HDIL, OVMT, OVMT, DWP, DWP, T50A, T50A, JTS, JTS, TKL, TKL, ARE1, ARE1, JFW, JFW, EGMT, EGMT, EGMT, EGMT, LCR2, LCR2, LCR2, LCR2, DGMT, DGMT, DGMT, DGMT, MNDW, MNDW, NEW, NEW, AGMN, AGMN, EYMN, EYMN, ULM, ULM, ULM, ULM, BRDA, BRDA, BRDA, FFC, FFC, SADO, SADO, BBB, BBB, PULU, PULU, SLO, SLO, SLO, SLO, CHS, CHS, ROSC, ROSC, ROSC, ROSC, ROSC, ROSC, COHC, COHC, MCCRA, MCCRA, SDV, SDV, SDV, SDV, SDV, SDV, UJPR, UJPR, DLBC, DLBC, DLBC, DLBC, YKA, YKA, YKA, YKA, BAUV, BAUV, ATAH, ATAH, WRGL, WRGL, O30N, O30N, MPPY, MPPY, PCRV, PCRV, SCHO, SCHO, Q23K, Q23K, NNA, NNA, CZSB, CZSB, H31M, H31M, I30M, I30M, KDAK, KDAK, G31M, G31M, PAX, PAX, BRSE, BRSE, I28M, I28M, SCRK, SCRK.

Table with columns: Station Name, Frequency, Class, Mode, Date, Time, and other details. Includes stations like F31M, H29M, H36M, J26L, PMR, I27K, K24K, DHY, G29M, G29M, F30M, Q19K, INK, INK, INK, RPN, J25K, J25K, H27K, H27K, HDA, G27K, FRB, ILAR, ILAR, ILAR, F28M, F28M, F28M, P18K, E29M, G26K, H25L, E28M, E27K, E27K, E27K, H24K, D28M, F26K, A36M, A36M, F25K, D27M, D27M, D27M, E25K, M17K, S12K, F24K, F20K, H21K, M16K, ETMB, D25K, E23K, C26K, C16K, H20K, TOLK, F22K, RES, C24K, D23K, F20K, C23K, SAML, SAML, H17K, F19K, E20K, C21K, B21K, B21K, F18K, LPAZ, B22K, D19K, A22K, B20K, E17K, P08K, PPT2, PPT2, C18K, B18K, C17K, A19K.

4d 22h

2018 APR

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TNA, SFJD, LVC, SIV, H03N2, H03N1, H03N3, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H08S2, H08S3, H08S1, H01W3, H01W2, H01W1, etc.

IDC 04 22:11:37.5:1.7, 35.73N:27.01E, h0km, mb3.4/2, mbtmp3.2/4, ML2.7/2, Error ellipse: s-maj=45.8km

ISK 04 22:11:41.7, 35.68N:26.75E, h8km, ML3.1/12, ATH 04 22:11:42.6, 35.66N:26.76E, h8km=1km, ML3.1/12, Error ellipse: s-maj=1.7km, s-min=0.7km, az=148.0

THE 04 22:11:42.9, 35.61N:26.79E, h7km=1km, ML3.2/6, Error ellipse: s-maj=2.3km, s-min=0.6km, az=146.0

AFAD 04 22:11:46.1-0.9, 35.76N:27.06E, h8km=2km, ML2.9 ISC 04 22:11:42.1-0.9, 35.66N:26.77E:0.02, h17km=7km, n91, c1879/125, Crete

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

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

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

IDC 04 22:29:57.0:0.9, 31.46S:178.27W, h0km, mb4.2/4, mbtmp4.2/5, ML4.1/1, MS3.4/2, Error ellipse: s-maj=33.2km ISC 04 22:30:05.9:1.0, 31.7S:0.1x178.5W:0.2, h61km, n21, c1511/14, mb4.2/4, Kermadec Islands region



XLT	XiLinHaoTe	48.28	16	eP	P	23 54 45.2 +0.6
XLT				sP	P	23 55 02.9 +5.7
XLT	comp=Z,8.0nm,0.8s			pmax	pmax	
JMN	Shlode	48.30	39	eP	P	23 54 45.1 +0.3
SHLS	Monabe	48.59	341	eP	P	23 54 46.8 -0.3
SHLS	Shalkode	48.59	341	eP	P	23 54 46.7 -0.3
DRK	Karamyk	48.61	331	eP	P	23 54 48.0 +0.7
DRK	Karamyk	48.61	331	eP	P	23 54 48.1 +0.7
UZB	Uzymbulak	48.73	340	eP	P	23 54 48.7 +0.6
UZB	Uzymbulak	48.73	340	eP	P	23 54 48.7 +0.6
SATY	Saty	48.87	340	eP	P	23 54 49.6 +0.5
SATY	Saty	48.87	340	eP	P	23 54 49.6 +0.5
UHHL	Ulahol	48.96	337	eP	P	23 54 51.3 +1.3
GAR	Garm	48.96	330	eP	P	23 54 54.9 -1.0
CTAO	Charters Tower	49.07	115	eP	P	23 54 51.1 +0.2
CTAO	Charters Tower	49.07	115	eP	P	23 54 51.1 +0.2
CHGR	Chuyangaron	49.29	329	eP	P	23 54 51.2 -1.1
CHGR	Chuyangaron	49.29	329	eP	P	23 54 51.3 -1.1
TNSS	Tian-Shan	49.37	338	eP	P	23 54 53.7 +0.4
TNSS	Tian-Shan	49.37	338	eP	P	23 54 53.7 +0.4
SIMJ	Simiganj	49.37	329	eP	P	23 54 52.1 -1.0
MDOK	Medeo	49.44	339	eP	P	23 54 54.0 +0.5
MDOK	Medeo	49.44	339	eP	P	23 54 54.0 +0.5
STKA	Stephens Creek	49.47	131	eP	P	23 54 54.0 +0.6
STKA	Stephens Creek	49.47	131	eP	P	23 54 55.3 +1.5
BTK	Batken	49.53	331	eP	P	23 54 54.6 +0.4
BTK	Batken	49.53	331	eP	P	23 54 54.6 +0.4
UCH	Uchtor	49.63	336	eP	P	23 54 57.0 +1.6
TKM2	Tokmak 2	49.78	337	eP	P	23 54 57.7 +1.5
AAK	Ala-Archa	49.98	336	eP	P	23 54 57.9 +0.2
AAK	Ala-Archa	49.98	336	eP	P	00 19 17.5
AAK	Ala-Archa	49.98	336	eP	P	23 54 59.5 +1.8
FRU1	Bishkek	50.07	336	eP	P	23 54 58.8 +0.5
FRU1	Bishkek	50.07	336	eP	P	23 55 09.2
FRU1	Bishkek	50.07	336	eP	P	23 54 58.8 +0.5
CHMS	Chumysh	50.18	337	eP	P	23 55 00.2 +1.2
SONM	Songino Array	50.21	6	eP	P	23 55 00.1 +0.8
SONM	Songino Array	50.21	6	eP	P	23 55 01.6
SONM	Songino Array	50.21	6	eP	P	23 55 00.7 +1.4
SONM	Songino Array	50.21	6	eP	P	23 55 00.7 +1.4
SONM	Songino Array	50.21	6	eP	P	23 55 00.7 +1.4
EKS2	Erkin-Say	50.29	336	eP	P	23 55 01.9 +1.8
ULN	Ulanbaatar	50.32	7	eP	P	23 55 00.6 +0.5
ULN	Ulanbaatar	50.32	7	eP	P	23 55 02.2
ULN	Ulanbaatar	50.32	7	eP	P	23 55 01.2 +1.1
HRA	Herat	51.04	320	eP	P	23 55 00.7 -0.5
USP	Ospenovka	51.05	337	eP	P	23 55 02.7 +1.2
TDK	Taldyqorghan	50.58	341	eP	P	23 55 02.8 +0.7
TDK	Taldyqorghan	50.58	341	eP	P	23 55 02.7 +0.7
SGDS	Sogindi	50.61	337	eP	P	23 55 03.1 +0.8
SGDS	Sogindi	50.61	337	eP	P	23 55 03.1 +0.8
MK31	Makanchi Array	51.06	345	eP	P	23 55 06.4 +0.8
MK31	Makanchi Array	51.06	345	eP	P	23 55 07.7
MK31	Makanchi Array	51.06	345	eP	P	23 55 06.9 +1.3
MK31	Makanchi Array	51.06	345	eP	P	23 55 06.3 +0.6
MK31	Makanchi Array	51.06	345	eP	P	23 55 06.8 +1.1
ZSN	Zaisan	51.06	347	eP	P	00 21 10.9
ZSN	Zaisan	51.06	347	eP	P	23 55 06.5 +0.9
ZSN	Zaisan	51.06	347	eP	P	23 55 06.5 +0.9
CN2	Changchun	51.42	24	eP	P	23 55 08.1 -0.2
CN2	Changchun	51.42	24	eP	P	23 55 08.1 -0.2
CN2	Changchun	51.42	24	eP	P	23 55 08.1 -0.2
CN2	Changchun	51.42	24	eP	P	23 55 08.1 -0.2
CN2	Changchun	51.42	24	eP	P	23 55 08.1 -0.2
DZA	Taraz	51.53	334	eP	P	23 55 09.6 +0.3
DZA	Taraz	51.53	334	eP	P	23 55 09.5 +0.3
IUG	Iuzhnay	51.53	332	eP	P	23 55 09.7 +0.4
IUG	Iuzhnay	51.53	332	eP	P	23 55 09.6 +0.4
CHM	Chimkent	51.86	332	eP	P	23 55 12.2 +0.5
CHM	Chimkent	51.86	332	eP	P	23 55 12.2 +0.5
KK31	Karatay Array	52.06	333	eP	P	23 55 13.1 0.0
KK31	Karatay Array	52.06	333	eP	P	23 55 13.1 0.0
KKAR	Karatay Array	52.06	333	eP	P	23 55 13.1 0.0
KKAR	Karatay Array	52.06	333	eP	P	23 55 13.1 0.0
BTLs	Baital	52.17	337	eP	P	23 55 14.3 +0.3
BTLs	Baital	52.17	337	eP	P	23 55 14.2 +0.3
BRLs	Borolday	52.31	333	eP	P	23 55 14.7 -0.3
BRLs	Borolday	52.31	333	eP	P	23 55 14.6 -0.3
ZAK	Zakamensk	52.49	3	eP	P	23 55 16.6 +0.3
ZAK	Zakamensk	52.49	3	eP	P	23 55 16.6 +0.3
MJAR	Matushiro Arr	52.83	39	eP	P	23 55 19.3 +0.4
MJAR	Matushiro Arr	52.83	39	eP	P	23 55 19.3 +0.4
MDJ	Mudanjiang	53.85	26	eP	P	23 55 26.5 +0.3
MDJ	Mudanjiang	53.85	26	eP	P	23 55 26.2 -0.1
MDJ	Mudanjiang	53.85	26	eP	P	23 55 27.8

HIA	Hailar	54.21	16	eP	P	23 55 28.3 -0.6
HIA	Hailar	54.21	16	eP	P	23 55 28.3 -0.6
USA0B	Ussuriysk Arra	54.63	28	eP	P	23 55 31.8 -0.2
USA0B	Ussuriysk Arra	54.63	28	eP	P	23 55 31.6 -0.3
USRK	Ussuriysk Ar.	54.63	28	eP	P	23 55 32.2 +0.2
USRK	Ussuriysk Ar.	54.63	28	eP	P	23 55 32.7 +0.8
SEM	Semipalatinsk	54.92	345	eP	P	23 55 34.6 +0.3
SEM	Semipalatinsk	54.92	345	eP	P	23 55 34.5 +0.3
GEYT	Alibeck	55.21	321	eP	P	23 55 36.5 +0.1
GEYT	Alibeck	55.21	321	eP	P	23 55 51.5
GEYT	Alibeck	55.21	321	eP	P	23 55 37.1 +0.7
GEYT	Alibeck	55.21	321	eP	P	00 21 22.8
JMM	Marumov	55.27	40	eP	P	23 55 36.6 -0.1
KURBB	Kurchatov Arra	55.58	344	eP	P	23 55 39.4 +0.7
KURBB	Kurchatov	55.63	344	eP	P	23 55 39.2 +0.1
KURK	Kurchatov	55.63	344	eP	P	23 55 41.0 +1.0
ARMA	Armidade	56.78	125	eP	P	23 55 48.6 +0.7
ZAAO	Zalesovo Array	57.26	350	eP	P	23 55 51.0 +0.4
ZALV	Zalesovo Array	57.26	350	eP	P	23 55 51.5 +0.9
HEH	Heihe	57.53	21	eP	P	23 55 51.7 -0.9
HEH	Heihe	57.53	21	eP	P	23 55 51.7 -0.9
HEH	Heihe	57.53	21	eP	P	23 55 51.7 -0.9
HEH	Heihe	57.53	21	eP	P	23 55 51.7 -0.9
HEH	Heihe	57.53	21	eP	P	23 55 51.7 -0.9
RAYN	Ar Rayn	58.30	299	eP	P	23 55 58.8 +0.2
RAYN	Ar Rayn	58.30	299	eP	P	23 55 58.8 +0.2
KLR	Kuldur	58.37	24	eP	P	23 55 59.3 +0.8
BVAR	Borovyoye Array	60.17	340	eP	P	23 56 10.0 0.0
BVAR	Borovyoye	60.23	340	eP	P	23 56 11.0 -0.3
BRVK	Borovyoye	60.23	340	eP	P	23 56 12.2
BRVK	Borovyoye	60.23	340	eP	P	23 56 11.8 +0.5
H04N2	CROZET ISLANDS	60.27	216	T	T	01 01 42.2
H04N1	CROZET ISLANDS	60.28	216	T	T	01 01 41.0
H04N3	CROZET ISLANDS	60.28	216	T	T	01 01 41.6
ZEA	Zeya	60.40	19	eP	P	23 56 12.1 -0.3
ZEA	Zeya	60.40	19	eP	P	23 56 12.1 -0.3
H04S1	CROZET ISLANDS	60.56	216	T	T	01 02 00.2
H04S2	CROZET ISLANDS	60.58	216	T	T	01 02 00.8
BOD	Bodaibo	60.78	9	eP	P	23 56 16.8 +0.5
BOD	Bodaibo	60.78	9	eP	P	23 56 16.8 +0.5
ABKAR	Akbulak array	61.53	332	eP	P	23 56 19.8 -0.4
ABKAR	Akbulak array	61.53	332	eP	P	23 56 20.0 -0.1
ABKAR	Akbulak array	61.53	332	eP	P	23 56 21.2
YSS	Yuzh-Sakhalins	61.98	32	eP	P	23 56 24.6 +1.3
YSS	Yuzh-Sakhalins	61.98	32	eP	P	23 56 24.6 +1.3
GNI	Garni	65.25	317	eP	P	23 56 44.8 -0.4
GNI	Garni	65.25	317	eP	P	23 56 44.8 -0.4
SVE	Sverdlovsk	66.64	338	eP	P	23 56 54.6 +1.0
SVE	Sverdlovsk	66.64	338	eP	P	23 56 54.6 +1.0
ARU	Arti	67.15	337	eP	P	23 56 56.6 -0.3
ARU	Arti	67.15	337	eP	P	23 56 57.9
ARU	Arti	67.15	337	eP	P	00 28 51.8
ARU	Arti	67.15	337	eP	P	23 56 57.6 +0.7
ARU	Arti	67.15	337	eP	P	23 59 22.4
ARU	Arti	67.15	337	eP	P	23 59 19.5
ARU	Arti	67.15	337	eP	P	00 05 51.1 +1.9
ARU	Arti	67.15	337	eP	P	23 56 56.6 -0.3
DZM	Mont Dzumac	67.94	113	eLR	LR	00 17 32.6
DZM	Mont Dzumac	67.94	113	eLR	LR	00 30 53.0
KBZ	Khabaz	68.06	319	eP	P	23 57 03.7 +0.8
KBZ	Khabaz	68.06	319	eP	P	23 57 03.7 +0.8
YAK	Yakutsk	68.10	15	eLR	LR	00 31 41.6
YAK	Yakutsk	68.10	15	eLR	LR	23 57 02.2 -0.5
YAK	Yakutsk	68.10	15	eLR	LR	23 57 14.4 -0.8
YAK	Yakutsk	68.10	15	eLR	LR	23 57 28.4
YAK	Yakutsk	68.10	15	eLR	LR	23 59 33.2
YAK	Yakutsk	68.10	15	eLR	LR	23 57 25.0 -0.7
YAK	Yakutsk	68.10	15	eLR	LR	23 57 26.9
YAK	Yakutsk	68.10	15	eLR	LR	23 57 25.4 -0.3

NRK	Nori'sk	71.86	356	eP	P	23 57 24.9 -0.8
NRK	Nori'sk	71.86	356	eP	P	23 57 24.9 -0.8
VRH	Novokhopovsk	72.15	326	eP	P	23 57 26.2 -1.6
VRH	Novokhopovsk	72.15	326	eP	P	23 57 26.2 -1.6
KIRV	Kirov	72.30	335	eLR	LR	00 33 26.7
KIRV	Kirov	72.30	335	eLR	LR	23 57 29.6 +1.1
BR131	BRI131	73.01	313	eP	P	23 57 33.1 -0.3
BR131	BRI131	73.01	313	eP	P	23 57 31.4 -2.0
BRTR	BRI131	73.01	313	eP	P	23 57 32.6 -0.8
BRTR	BRI131	73.01	313	eP	P	23 57 33.0 -0.3
PEA0B	Petrovavlovsk	73.39	32	eP	P	23 57 34.7 -0.4
PEA0B	Petrovavlovsk	73.39	32	eP	P	23 57 34.7 -0.4
PEA0B	Petrovavlovsk	73.39	32	eP	P	23 57 34.7 -0.4
PETK	Petrovavlovsk	73.39	32	eP	P	23 57 34.8 -0.3
PETK	Petrovavlovsk	73.39	32	eP	P	23 57 35.0 -0.1
PETK	Petrovavlovsk	73.39	32	eP	P	23 57 35.0 -0.1
PETK	Petrovavlovsk	73.39	32	eP	P	23 57 35.0 -0.1
PETK	Petrovavlovsk	73.39	32	eP	P	23 57 35.0 -0.1
LPSR	LPSR	74.32	327	eP	P	23 57 38.2 -2.4
LPSR	LPSR	74.32	327	eP	P	23 57 38.2 -2.4
LBTB	Lobate	74.38	245	eLR	LR	00 25 43.1
MDUB	Mudurnu	75.02	313	eP	P	23 57 44.6 -0.5
BOSA	Bosha	75.02	241	eP	P	23 57 46.6 +1.3
BOSA	Bosha	75.02	241	eP	P	23 57 46.6 +1.3
SEY	Seymchan	76.05	22	eP	P	23 57 51.5 +1.2
SEY	Seymchan	76.05	22	eP	P	23 57 51.5 +1.2
TIXI	Tiksi	76.16	9	eP	P	23 57 50.4 -0.4
TIXI						



Table with columns: CERP, Station Name, Time, Res, etc. Includes entries for Cerrillos, comp=N,13nm,2.2s, SDDR Presa de Saban, etc.

IDC 05 01:09:20.0 1.7, 4.87N, 126.78E, h0km, mb3.6/5, mbtm3.6/5, Error ellipse: s-maj=189.2km

Table with columns: Code, Station Name, Time, Res, etc. Includes entries for WRA Warramunga Arr, STKA Stephens Creek, MKAR Makanchi Array, ZALV Zalesov Beam, KURBB Kurchatov Arra, etc.

IDC 05 01:10:04.2 1.0, 5.5:36S, 129.25W, h0km, mb3.9/6, mbtm3.9/6, MS4.0/34, Error ellipse: s-maj=46.3km

GCMT 05 01:10:06.0 0.3, 5.5:26S:0.02:129.39W:0.03, h17km, 1km, MW5.0/89, Moment Tensor Solution. s29,c36; s89,c124; Duration: 0 Moment tensor: Scale 10^10Nm; Mlr=0.50; 14; Mw=2.34; 14; Mbb=1.85; 12; Mm=1.01; 31; Mw=2.50; 09; Mrr=1.70; 35; Best double couple: Mb3.800000; 1016

IDC 05 01:10:05.7 1.1, 55.45S, 102.1292W, 0.2, h10km, n47, o=575/6, mb3.9/6, MS4.1/34, Pacific-Antarctic Ridge

Main table listing station names, codes, and coordinates. Includes entries like Rapu Nui, Vanda, PMSA Palmer Station, GSPA South Pole Qui, etc.

IDC 05 01:16:21.3 1.3, 4.5:77S, 147.09E, h0km, mb3.4/1, mbtm3.6/3, ML3.4/1, Error ellipse: s-maj=84.6km

Table with columns: Code, Station Name, Time, Res, etc. Includes entries for PMG Port Moresby, WRA Warramunga Arr, ASAR Alice Springs, TORO Torodi Ar. Bea, etc.

IDC 05 01:27:16.9 0.9, 3.63S, 127.18E, h0km, mb4.0/9, mbtm4.1/9, MS3.0/2, Error ellipse: s-maj=55.2km

DJA 05 01:27:18.0 0.4, 4.4:5.4:12.8E, h10km, M4.5/13, mb5.0/7, mb5.0/5, MLV4.3/13, MW(B)3.4/13, Error ellipse: s-maj=55.2km

Main table listing station names, codes, and coordinates. Includes entries like NLAI Namlea, SANI Sanana, LBMI Labuha, SWI Sorong, FAKI Fak Fak, LUWI Luwuk, etc.

IDC 05 02:25:09.0 1.4, 5.88N, 126.80E, h149km, 11km, mb3.8/14, mbtm4.2/14, MS3.7/1, Error ellipse: s-maj=27.9km

NEIC 05 02:25:08.6 1.0, 6.03N:0.08:126.7E:0.1, h129km, 7km, mb4.4/51, Error ellipse: s-maj=17.4km s-min=11.9km

Main table listing station names, codes, and coordinates. Includes entries like DAV Davao City, GSPH General Santos, KIDP Kidapawan, BISIG Bislig, MUSAN Musuan, SANGIHE Sangihe, CAGAYAN DE ORO, SURIGAO, GARCIA HERNANDEZ, GORONTALO, MARISA, TOLITOLI, SANANA, SWI Sorong, LUWI Luwuk, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TOLK, F24K, ILAR, KLU, etc.

IDC 05:02:27.49.1.0.6.51.88S:147.22E,h0km,mb4.3/8, mbmp4.4/9,ML4.1/1,MS3.6/23,Error ellipse: s-maj=34.1km s-min=15.4km az=80.0, NEIC 05:02:27.50.6.1.1.51.88S:0.06:147.3E:0.2,h10km,1km, mb4.7/26,Error ellipse:s-maj=18.6km s-min=3.5km az=59.0

ISC 05:02:27.49.4.7.5191S:0.07:147.35E:0.09,h4km,29km, n133,01803/103,mb4.6/17,MS3.6/23,1C-D,1South of Tasmania

Main table of station data for the left column, including codes like MCQ, AUTAR, MAU, etc.

Main table of station data for the middle column, including codes like QSPA, KNRA, MAW, etc.

Main table of station data for the right column, including codes like BJO1, HSPB, BRBA, etc.

NAO 05:02:29.43.2.1.6.73.30N:6.37E,ML3.3 IDC 05:02:29.44.6.0.8.73.18N:6.41E,h0km,mb3.6/9, mbmp3.6/14,ML3.0/5,MS3.2/25,Error ellipse: s-maj=21.2km s-min=12.9km az=60.0, BER 05:02:29.47.1.3.1.73.28N:6.69E,h10km,mb(Pn)4.2, ML3.3(NAO),Confirmed Earthquake DNK 05:02:29.48.0.1.7.73.68N:5.38E,h0km,47km,ML2.6 KOLA 05:02:29.50.0.73.05N:7.35E,h0km,ML2.7,Error ellipse: s-maj=74.7km s-min=24.4km az=10.0,Norwegian







Table with columns: Station, Frequency, Class, and Signal. Includes stations like BESP, CNOP, Candoni, Negro, etc.

Table with columns: Station, Frequency, Class, and Signal. Includes stations like BATI, Baumata, Bati, etc.

Table with columns: Station, Frequency, Class, and Signal. Includes stations like SKJI, Sukabumi, JMBA, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like MBWA Marble Bar, SISI Saibi, JHJ Hachijo jima 2, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like WRKA Warakurna, XAN Xi'an, DL2 Dalian, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like LZH Lanzhou, CN2 Changchun, INKA Innaminka, etc.

Table containing station identifiers (BNX, BXN, etc.), frequencies, and other technical data. Includes entries like 'KLR comp=Z,1.6nm,0.8s,baz=87,slow=22,SNR=0.9' and 'KLR comp=Z,3um,20.4s,baz=192,slow=34'.

Table containing station identifiers (KLR, HEH, etc.), frequencies, and other technical data. Includes entries like 'KLR comp=Z,1.6nm,0.8s,baz=87,slow=22,SNR=0.9' and 'HEH comp=Z,2um,5.2s'.

Table containing station identifiers (ZEA, CAN, etc.), frequencies, and other technical data. Includes entries like 'ZEA comp=E,500nm,15.7s' and 'CAN comp=Z,3um,19.0s'.



Table with columns for station call letters, frequency, location, and other details. Includes stations like GEY, ALBECK, GYA, SOHO, etc.

Table with columns for station call letters, frequency, location, and other details. Includes stations like O14K, CNBA, CHNA, F15K, G15K, etc.

Table with columns for station call letters, frequency, location, and other details. Includes stations like G18K, G18K, KIRV, KIRV, etc.

Table with columns for station ID, name, frequency, and other technical details. Includes stations like B21K Ikipkuk River, G21K Allakaket, N20K Mount Spurr, etc.

Table with columns for station ID, name, frequency, and other technical details. Includes stations like KNK Knik Glacier, KNC Knik Glacier, VRH Novokhopyorsk, etc.

Table with columns for station ID, name, frequency, and other technical details. Includes stations like LPSR Galich'ya Gora, F26K Sheenjek River, N25K Chitina, Valde, etc.

5d 3h

Table with columns: ID, Name, Time, Date, Status, Location, and other details. Includes entries like E28M Babbage River, BVCY Beaver Creek, etc.

2018 APR

Table with columns: ID, Name, Time, Date, Status, Location, and other details. Includes entries like P30M Million Dollar, G31M Satah River, etc.

294

Table with columns: ID, Name, Time, Date, Status, Location, and other details. Includes entries like MMPY Sheldon Lake, AKASG Malin Array Be, etc.



Table with columns: Name, Time, Date, Status, and other details. Includes entries like KMPD, U3K, FAUS, TESR, GRER, VRI, etc.

Table with columns: Name, Time, Date, Status, and other details. Includes entries like NOA, VAY, OSO, PSZ, PSZ, etc.

Table with columns: Name, Time, Date, Status, and other details. Includes entries like BRG, BRG, BRG, BRG, etc.

2018 APR

Table with columns: HD, 5d 4h, Station, Time, Az, El, IAMS\_20, IAMS\_20, Az, El, 04 49 47.3, etc.

Table with columns: TXAR, comp=Z, 0.1nm, 0.4s, baz=292, slow=2.8, SNR=1.7, etc.

Table with columns: IGPR InterUniversit, 152.30 27, PKIKP, PKP, 04 13 30.2 +0.1, etc.

AZER 05 04:09:23.7, 38.75N, 44.88E, h6km, mL2 6, ISK 05 04:09:24.1, 38.71N, 44.55E, h5km, ML2 5/6, etc.

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

IDC 05 04:12:59.1, 4.7, 19.14S, 177.72W, h338km, 45km, m3.7/4, mbrtpm 4/15, Error ellipse: s-maj=17.9km, etc.

ISC 05 04:13:00.6 0.4, 19.34S, 0.08E, 177.58W, 0.08, h350km, n92, c24/87, mb4.5/35, 2C-1D, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC, h, m, s, ISC. Rows include stations like Nonsavu, Niue, Afiamalu, Mtom Dzumac, Urewera, Warramunga Arr, Alice Springs, etc.

CONA Conrad Observa 149.46 342 / PKP PKPdf 04 32 08.4 +4.4

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC, h, m, s, ISC. Rows include stations like ROSA, MOA, BIOA, LESA, KBA, WTTA, MYTA, ABTA, DAVA, FETA, TORO, TORI.

NNC 05 04:24:26.8 18.0, 36.69N, 70.94E, h15km, 681km, mb3.9, mpv3.5, 5C-3D, Error ellipse: s-maj=717.2km s-min=31.5km az=11.0, Hindu Kush region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC, h, m, s, ISC. Rows include stations like KK31, AAK, CHMS, TKM2, TKM2.

IDC 05 04:30:51.2 24.3, 44.15S, 153.80E, h0km, mb3.4/2, mbmp3.4/2, Error ellipse: s-maj=195.2km s-min=55.0km az=119.0, New Ireland region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC, h, m, s, ISC. Rows include stations like WRA, ASAR, TORO.

RSNC 05 04:43:43.4 0.5, 1.2S, 2.8W, h0km, mb3.8, MB5.8, ML2.5, Mw(mB)5.3, Near coast of Ecuador

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC, h, m, s, ISC. Rows include stations like COHC, PACI, PIAT, MCRA, TUMC, GJUF, BBAC, GRIC, POPC, JAMC, MALC, YOTC.

NEIC 05 05:09:19.4 1.1, 44.10N, 0.05, 149.2E, 0.1, h10km, 2km, mb4.0/15, Error ellipse: s-maj=15.3km s-min=9.1km az=79.0

IDC 05 05:09:23.3 4.3, 44.03N, 149.30E, h52km, 30km, mb3.5/13, mbmp3.8/16, ML2.9/2, MS4.0/1, Error ellipse: s-maj=27.4km s-min=19.4km az=155.0

ISC 05 05:09:22.2 0.9, 44.1N, 0.1, 149.3E, 0.1, h38km, n45, c1545/39, mb4.0/22, Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC, h, m, s, ISC. Rows include stations like JKA, ASAJ, ERM, JTM, PEAB, PETK, KSRS, H1N2, H1N1, H1N3, ULN, H1S1, H1S3, S1NK, D19K, E19K, B20K, B21K, D22K, B22K, E22K, ILAR, D25K, ZALV.

5d 5h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC, h, m, s, ISC. Rows include stations like I28M, I30M, INK, MKAR, KURK, DLBC, BVAR, BOOM, YKA, WRA, FINES, NB2, NOA, HFS, KBZ, AKAS, CLL, TXAR.

SJA 05 05:59:18.7 0.8, 30.49S, 72.68W, h10km, 4km, ML3.4/5, MW4.0

IDC 05 05:59:24.2 1.0, 30.59S, 71.97W, h0km, mb3.9/5, mbmp3.8/9, ML3.8/4, Error ellipse: s-maj=40.9km s-min=20.6km az=100.0

GUC 05 05:59:24.4 1.7, 30.61S, 72.19W, h32km, 2km, ML4.3

NEIC 05 05:59:26.4 1.7, 30.57S, 0.03, 72.07W, 0.08, h24km, 7km, mb4.1/5, Error ellipse: s-maj=9.6km s-min=4.2km az=76.0

ISC 05 05:59:23.4 1.7, 30.57S, 0.03, 72.15W, 0.05, h5km, 10km, n90, c118/121, mb4.1/5, 3C-8D, Off coast of central Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC, h, m, s, ISC. Rows include stations like CO06, CO06, CO06, CO06, CO05, CO05, CO05, CO02, CO02, CO02, GO04, GO04, GO04, CO03, CO03, CO03, CO01, CO01, LCO, LCO, LCO, VA06, VA06, VA06, AROD, AROD, AC05, AC05, AC05, AC05, AC05, AC05, ROCH, ROCH, ACCO, ACCO, DOCA, DOCA, RTLS, RTLS, RTLS, MT02, MT02, MT02, PEL, PEL, PEL, MT10, MT10, MT05, MT05, VA05, VA05, CCHEN.

Table with columns for station code, name, coordinates, and time/phase data. Includes stations like CCHEN, Uviversidad Ad, Ro Olivares, Las Vizcachas, Talagante, etc.

JMA 05:06:22.36.5.0.2.25 N2.7x123.22E.0.5. h126km,2km, MV3.9/19, NIW OFF ISHIGAKIJIMA IS

Table with columns for code, station name, coordinates, and time/phase data. Includes stations like YONAGUNI jima, YONAGUNI jima, YONAGUNI jima, etc.

ISC 05:06:27.35.0.8.72.92N.5.181E, h0km, mb3.6/8, mbmp3.7/13, ML3.2/5, MS3.7/28, Error ellipse: s-maj=18.1km s-min=11.7km az=48.0

Table with columns for code, station name, coordinates, and time/phase data. Includes stations like BJ01 Bjornoya, BJ01 Bjornoya, BJ01 Bjornoya, etc.

Table with columns for station code, name, coordinates, and time/phase data. Includes stations like BJ01 Bjornoya, HSPB Hornsund (broa), HSPB Hornsund (broa), etc.

HFS Hagfors 13.27 163 Pn Pn 06:30 44.0 -0.3

Table with columns for station code, name, coordinates, and time/phase data. Includes stations like HFS Hagfors, HFS Hagfors, HFS Hagfors, etc.

Table with columns for station code, name, coordinates, and time/phase data. Includes stations like YKA comp=Z,0.6nm,1.1s, baz=21, slow=9.2, SNR=5.6, ILAR comp=Z,0.6nm,1.1s, baz=21, slow=9.2, SNR=5.6, etc.

IDC 05:06:32.36.6.0.5.42.54Sx73.98W, h0km, mb4.6/15, mbmp4.6/16, ML4.2/1, MS4.4/32, Error ellipse: s-maj=21.5km s-min=13.4km az=102.0

VAO 05:06:32.38.0.1.8.42.55Sx73.97W, h10km, mb4.9, NEIC 05:06:32.41.3.0.8.42.55Sx74.25W, h33km, mb3.8/2km, s-min=0.729, Mwid=9/42, Error ellipse: s-maj=8.8km s-min=0.5, Mz=86.0, Moment Tensor Solution, Moment tensor: Scale 10^16Nm; Mrr1.20; Mrr2.10; Mrr3.1.39; Mrr4.0.01; Mrr5.0.58; Mrr6.2.72; Fault plane solution: Ms:0.730000\*10^16 NP1:phi:40.250000; delta:6.240000; lambda:77.000000; N:181.390000; A:177.220000; P:-1.79.900000

Principal axes: T 2.9481, Plg57.0000, Azm78.0000; N 0.2309, Plg10.0000, Azm184.0000; P -3.1790, Plg32.0000, Azm280.0000; MOS 05:06:32.40.9.1.3.42.46Sx73.94W, h34km, mb5.3/18 Error ellipse: s-maj=19.8km s-min=6.5km az=77.9

GUC 05:06:32.41.3.0.8.42.55Sx74.25W, h33km, mb3.8/2km, NEIC 05:06:32.41.42.54Sx74.19W, h28km

GCMT 05:06:32.43.7.0.3.42.60Sx02.74.46W.0.03, h37km, mb1.1km, MV5.1/80, Moment Tensor Solution, s39.c46; s80.c94; Duration: 0 Moment tensor: Scale 10^16Nm; Mrr1.03; Mrr2.31; Mrr3.0.68; Mrr4.3.4; Mrr5.0.35; Mrr6.1.5; Mrr7.1.5; Mrr8.4.1; Mrr9.1.2; Best double couple: M0:6.236000\*10^16 NP1:phi:178.000000; delta:86.000000; lambda:87.000000; NP2:phi:5.000000; delta:82.000000; lambda:97.000000. Principal axes: T 6.5900, Plg69.0000, Azm82.0000; N -0.7040, Plg3.0000, Azm179.0000; P -5.8810, Plg21.0000, Azm270.0000; nst1 refers to body waves, cutoff=40s.

nst2 refers to surface waves, cutoff=55s. Triangular moment-rate function

ISC 05:06:32.41.9.0.3.42.54Sx03.74.11W-0.07, h38km,2km, n287.0, e127/237, mb4.9/75, MS4.4/33, 17C-14D, Southern Chile

Table with columns for code, station name, coordinates, and time/phase data. Includes stations like Loncomilla, Loncomilla, Loncomilla, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like TBOAT Tacuaremb, ITQB Itaquí, ITQB IBOA, etc.

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

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like W1CA Wildcat Mounta, P17A Butcher Ranch, TMUT Trail Mountain, etc.

CATAC 05:06:42:43.9:1.2, 13°42'N-90°91'W, h1km, 7km, MLL3.3
SNET 05:06:42:44.8:1.4, 13°64'N-90°98'W, h20km, 16km, MLL3.2
GCG 05:06:42:56.0:0.6, 14°72'N-90°93'W, h30km, 12km, M293.5
ISC 05:06:42:44.4:3.8, 13°44'N-90°91'W, h17km, 20km, n35.
0574/36, Near coast of Guatemala
Code Station Name Az° Az' Phase ID Time Res

Table with columns: Station Name, Time, Res, Code, Station Name, Δ, AZ, Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like Las Nubes, Lomas de Alarc, GUNB, STG3, Cerro Verde, UNIC, JAYA, CEDA, PMON, UEES, PANCS, LOMA, QUIS, MTO3, Sjte, ESQI, PAVA, COEG, AVCB, SCLA, PQSS, LCND.

IDC 05 06:55:00.8, 1.9, 23.775:180°00'E, h525km, 19km, mb3.5/10, mbtmP, 4.1/11, Error ellipse: s-maj=19.2km s-min=13.8km az=163.0

NEIC 05 06:55:03.0, 1.3, 23.8S:0.1, 179.9W:0.2, h549km, 7km, mb4.3/31, Error ellipse: s-maj=23.4km s-min=18.2km az=69.0

NOU 05 06:55:07.4, 23.93S:179.91E, h603km, mb4.3/25, South of Fiji Islands

ISC 05 06:55:02.9, 0.6, 23.83S:0.08, 179.92W:0.09, h550km, n100, r1935/102, mb4.3/41, South of Fiji Islands

Table with columns: Code, Station Name, Δ, AZ, Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like PINNC, MAZ, RUGZ, KMRZ, URZ, URZ, MWZ, HIZ, NTVZ, TMVZ, OTVZ, SNVZ, KWHZ, PKVZ, KRHZ, NEZ, KXZ, DVHZ, ANWZ, TCW, QRZ, KHZ, JCZ, ARMA, ARMA, ARMA, EIDS, EIDS, MGCD, CAN, CAN, CMSA, CTAO, CTAO, TOO, TOO, TAU, TAU, PMG, STKA, STKA.

Main table with columns: Code, Station Name, Δ, AZ, Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like COEN, HHT, LCRK, BBOO, BBOO, OOD, MULG, AS31, ASAR, WRO, WRO, WBA, WBO, WRA, WRA, WRA, WRA, WRA, FORT, FORT, FORT, WTKA, MTN, WRA, KNRA, KNRA, FITZ, FITZ, SBA, SBA, VYDA, SOEI, MEEK, MEEK, PSA00, PSA00, NWA0, NWA0, MBWA, MBWA, MBWA, MBWA, BLDU, MORW, MORW, GIRL, GIRL, GIRL, PLAI, TOLJ, TOLJ, QSPA, QSPA, UGM, BELA, MAW, MAW, KSRS, PETK, PETK, CMAR, TXAR, PDAR, PDAR, G003, KURBB, BVFS, AKASG, AKAB, BRTR, MMAL, DJA, DJA, ISC, BASI, EDFI, MMRI, MMRI, PLAI, BAI, BAI, TWSI, SOEI, SOEI, KAPI, BBSI, SRJI, SRJI, JAGI, JAGI, JAGI, JAGI, MTN, MWBA, KDU, PSA00, PSA00, WREA, WREA, WREA, MEEK, MEEK.

Table with columns: Code, Station Name, Δ, AZ, Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like mbmp3, mbmp3, NEIC, ISC, J01E, J01E, J01E, KBO, KBO, HEBO, HEBO, K02D, K02D, K02D, COR, COR, COR, COR, G03D, G03D, G03D, G03D, DBO, DBO, DBO, F03A, F03A, KSBX, KSBX, BUCK, BUCK, BUCK, BUCK, L02F, KRMB, H04D, H04D, H04D, E03A, E03A, E03A, HUMO, F04D, I04A, I04A, I04A, WISH, JCC, JCC, JCC, NLWA, NLWA, NLWA, HO4A, HO4A, HO4A, KHMM, KHMM, KHMM, F04A, YBH, L04D, HOOD, KMRM, OZB, K04D, I05D, GNW, G05A, J05D, L0N, D05A, PINE, K05A, CBB, IXC, HOPS, LTY, F07A, I07A, G08A, D08A, BBB, BMO, F10A, PNTR, CNR, YERR, INW, NEW, PLID, NVAR, ELK, PDAR, PDAR, PFO, DLBC, BLYC, YUH, YUH, Y14A, WUAZ, WUAZ, WUAZ, MVO, SFX, SFX, SMCO, SMCO, W18A, W18A, 214A, X18A, DGM, DGM.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ISCO Idaho Springs, RSSD Black Hills, ANMO Albuquerque, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NOA NORSTAR Array B, HFS Hagfors, DAVOX Davos/Dischmat, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ESPR Espera, PBDV Barranco-Do-Ve, PVAQ Vaqueiros, etc.

IDC 05:07:25:02.1.0.53:33N:02:35:4W:0.1, h10km, n10, m0.83/10, mb3.4/8, Reykjanes Ridge

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like YKA Yellowknife Arr, BRTR Keskin Array B, PDAR Pinedale Array, etc.

IDC 05:07:27:30.4:1.7.7:29S:127.80E, h0km, mb4.0/3, mbtmp3.8/5, ML3.7/2, Error ellipse: s-maj=260.6km

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NEW Newport, KBZ Khabov, ILAR Eielson Array, etc.

IDC 05:07:54:53.0:8.6:3:42S:142.41E, h0km, mb3.5/2, s-min=31.3km, ML2.8/1, Error ellipse: s-maj=339.9km

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PTEO Sao Teotonio, ECAB El Cabril, PNCL Nicolau / Gran, etc.

IDC 05:07:29:57.6:0.9.53:33N:02:34:9W:0.1, h12km, n10, r123/10, mb3.6/8, Reykjanes Ridge

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

IDC 05:07:35:56.3:1.3.53:13N:35:00W, h0km, mb3.6/4, mbtmp3.6/4, Error ellipse: s-maj=77.9km s-min=24.5km

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ROSC El Rosal, KDAK Kodiak Island, JTS Las Juntas de, etc.

IDC 05:07:55:20.4:5.3:53:38N:90:98E, h0km, mb2.9, mpv2.6, Error ellipse: s-maj=43.0km s-min=37.7km az=11.0

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ELGU Los Guajares, PMRV Marv'???, EQU E quantar, etc.

IDC 05:07:32:42.5:0.7.53:30N:34:93W, h0km, mb3.5/12, mbtmp3.5/12, MS4.0/44, Error ellipse: s-maj=23.7km

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like YKA Yellowknife Arr, BRTR Keskin Array B, PDAR Pinedale Array, etc.

IDC 05:07:35:58.3:1.1.53:0N:0:43:35:1W:0.3, h13km, n6, e170/6, mb3.6/4, Reykjanes Ridge

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ESDC Sonseca Array, PDAR Pinedale Array, TORD Torodi Arr, etc.

IDC 05:07:55:21.7:4.6:54:2N:02:90:5E:0.2, h0km, n7, e089/8, 6C-20, Southwestern Siberia

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, SONM Songoing Array, etc.

IDC 05:07:32:42.5:0.7.53:30N:34:93W, h0km, mb3.5/12, mbtmp3.5/12, MS4.0/44, Error ellipse: s-maj=23.7km

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like YKA Yellowknife Arr, BRTR Keskin Array B, PDAR Pinedale Array, etc.

IDC 05:07:32:42.5:0.7.53:30N:34:93W, h0km, mb3.5/12, mbtmp3.5/12, MS4.0/44, Error ellipse: s-maj=23.7km

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

IDC 05:07:55:21.7:4.6:54:2N:02:90:5E:0.2, h0km, n7, e089/8, 6C-20, Southwestern Siberia

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like I46RU Zalesovo INFRA, ZAAO Zalesovo Array, ZAAO Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, El, P, M, I, A, M, B, Time, Res, ISC. Includes stations like KURBB Kurchatov Arra, MKAR Makanchi Array, etc.

IDC 05:08:55.4-0.5, 53.32N, 35.36W, h0km, mb4.1/27, mtbmp4.1/31, ML3.2/4, MS4.2/80, Error ellipse: s-maj=15.9km s-min=10.1km az=175.0

DMK 05:08:59.5-4.2, 53.44N, 35.41W, h10km, MS4.5, ISC 05:08:58.0-0.4, 53.38N, 35.33W, h0.05, h16km, n478, e077/430, mb4.6/75, MS2/81, 2C-12D, Reykjanes Ridge

Main table of station data with columns: Code, Station Name, Az, El, P, M, I, A, M, B, Time, Res, ISC. Lists numerous stations like NARS, IVI, ANGG, BORG, NUUK, etc.

Main table of station data with columns: Code, Station Name, Az, El, P, M, I, A, M, B, Time, Res, ISC. Lists numerous stations like MORC, FINES, ZST, MODS, MCWV, etc.

Main table of station data with columns: Code, Station Name, Az, El, P, M, I, A, M, B, Time, Res, ISC. Lists numerous stations like VBMS, MIAR, RSSD, INK, etc.



Table with columns: Station Name, Frequency, Power, Direction, and Delta. Includes stations like AMTX Amarillo, NEW Newport, L29M L29M, T25A Trinidad, F24K Squaw Lake, etc.

Table with columns: Station Name, Frequency, Power, Direction, and Delta. Includes stations like F20K Avarast Lake, E19K Redstone River, E19K comp=Z,6.5nm,0.8s, C18K Utukok River, etc.

Table with columns: Station Name, Frequency, Power, Direction, and Delta. Includes stations like R11B Troy Canyon, M20K Styx River, TTA Tatalina, F15K North Star Dit, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, AAK Ala-Archa, BVAR Zalesovo Array, ZAAO Zalesovo Array, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KURK Kurchatov, BVAR Zalesovo Array, ZAAO Zalesovo Array, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TPUB Ta-pu, ARPS Mount Arapiles, TOO Toolangi, CMAR Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IDC 05 08:19:49.6, NEIC 05 08:19:52.1, ISC 05 08:19:51.6, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IDC 05 08:36:09.9, DJA 05 08:36:10.4, NEIC 05 08:36:11.4, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IDC 05 08:37:09.2, ISC 05 08:37:11.6, etc.



Table with columns: Call sign, Name, Frequency, Power, Mode, and other details. Includes stations like DZM, ONTNC, NFK, KOUNC, RANC, RAR, OUZ, KUZ, URZ, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other details. Includes stations like TBI, TBI, TBI, RPZ, RPZ, TVO, TVO, GCS, GCS, JZC, JZC, AUWSH, AUWSH, PMOR, PMOR, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other details. Includes stations like HTT, HTT, HTT, GHS, GHS, TABU, TABU, PTHS, PTHS, WYPIA, WYPIA, etc.

Table with columns: Station (e.g., DAV, H01W1), Name (e.g., Davao City), Frequency, Power, and other technical details.

Table with columns: Station (e.g., S12K, TJN, KSRS), Name (e.g., Black Hills, Taejon), Frequency, Power, and other technical details.

Table with columns: Station (e.g., BELC, MLAC, O15K), Name (e.g., Belle Mtn. Jos, Mammoth), Frequency, Power, and other technical details.

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Table with columns for station ID, name, location, elevation, frequency, and signal strength. Includes stations like J05D Fort Rock, OR, N17K Nushagak Hills, M16K Timber Creek, O19K Port Alsworth, ILSW Iliamna South, H04A Detroit Lake, S11A Rachel, SNY Shenyang, CN2 Changchun, N18K Kliae Creek, KLR Kul'dur, BNX BinXian, O20K Slope Mountain, L15K Ungalak Mounta, BRSE Bradley Lake S, I05D Terrebonne, OR, E03A Lebam, N19K Bonanza Creek, L16K Owhat River, R11B Troy Canyon, C, M17K Holitna River, WHN Wuhan, CNSH ChangSha, K15K Wolf Creek Mou, G05A Warmic, M18K Stony River, SEW Seward, TUC Tucson, J14K Navarakan Lak, Q23K Middleton Isla, L17K Donlin, BKNI Bangkinang, BELA Belgrano 2, MA2 Magadan, G06A Carlson Farm, P23K Montague Islan, N20K Mount Spurr, COCO West Island, TIA Taian, Q12A Willow Creek R, GAMB Gambell, J08A Circle Bar Ran, L16K Granite Mounta, M19K Big River Lodg, CCUT Cedar City, GULI Guilin, K17K Ilditarod, K17K Ilditarod, D05A Enumclaw, 319A Douglas, L19K White Mounta, KNB Kanab, M20K Styx River, U15A North Rim, SUA Susitna One, SZCU Shurtz Canyon, J16K Anvik River, J16K Anvik River, UBPT Khong Chiam, WUAZ Wupatki, CRAG Craig, SKT Skwentna, L20K Farewell, AK

Table of fishing reports for 2018 APR, including columns for species (e.g., TXAR, ZEA, HDA), location (e.g., comp=Z, 1.3nm, 1.1s), and results (e.g., 09 45 49.2 +1.1).

Table of fishing reports for 2018 APR, including columns for species (e.g., BILL, L29M, H24K), location (e.g., comp=Z, 56nm, 1.8s), and results (e.g., 09 19 46.7 -0.9).

Table of fishing reports for 5d 9h, including columns for species (e.g., T25A, F24K, F24K), location (e.g., comp=Z, 246, SNR=6.8), and results (e.g., 09 19 56.2 +0.8).

5d 9h

Table with columns for call sign, frequency, power, and other technical details. Includes stations like H31M Peel River, B22K Teshekpu Lake, APMT Aspermont, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes stations like TNCH TengChong, Z35A Perchaven, CBK5 Cedar Bluff, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes stations like CPUP Villa Florida, ZSN Zaisan, NR1K Nori'sk, etc.



Table with 4 columns: Call ID, Name, Frequency, and Status. Includes call IDs like MSEY, MAHE, and various frequency bands such as 122.72 252, 125.53 206, etc.

Table with 4 columns: Call ID, Name, Frequency, and Status. Includes call IDs like ARBE, VORR, VSU, VSR, VORR, and various frequency bands such as 135.44 343, 136.03 342, etc.

Table with 4 columns: Call ID, Name, Frequency, and Status. Includes call IDs like NEGR, BR10, BR105, and various frequency bands such as 145.46 327, 145.46 315, etc.

Table with columns: Station Name, Frequency, Mode, and other technical details. Includes stations like UBBA, VYHNE, VELKA JAVORINA, etc.

Table with columns: Station Name, Frequency, Mode, and other technical details. Includes stations like VTS, UBR, WATA, RETA, etc.

Table with columns: Code, Station Name, Frequency, Mode, and other technical details. Includes stations like DBIC, TOAD, TORO, etc.

1.3nm,0.6s,baz=214,slo=8.7,SNR=3.1
LPAZ La Paz 149.89 8s PKPbc PKPbc 10 12 28.1 -0.4

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, H, M, S, I, SC. Includes stations like MARE, LOYALTY, LIFOU, PINNAC, etc.

VIE 05 09:59:15.9:1.7, 47.272N:10.79E, h0km, m10.7/3, Error ellipse: s-maj=20.4km s-min=4.5km az=125.0, Suspected Mining explosion., Austria

LDG 05 09:59:32.4:0.1, 47.43N:7.87E, h10km, Md1.4/1, M11.7/2, Error ellipse: s-maj=1.1km s-min=0.7km az=162.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, H, M, S, I, SC. Includes stations like ROTHE, EMMET, SFRA, etc.

SDD 05 10:08:10.6:1.6, 19.18N:69.80W, h20km, 15km, MD2.5, ML2.1, MW2.5

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, H, M, S, I, SC. Includes stations like TORO, LOMA, MIDR, etc.

DJA 05 10:23:14.3:1.1, 2.56S:9.99E, h26km, 13km, M3.4/7, MLV3.4/7

az=50.0
ISC 05 10:23:13.1:1.5, 2.35S:0.1:99.3E:0.1, h10km, n7, 0:08/3, 9, Southern Sumatera

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, H, M, S, I, SC. Includes stations like PPSI, PPSI, SISI, etc.

IDC 05 10:29:54.8:0.9, 53.49N:35.08W, h0km, mb3.5/9, mtbtp3.5/10, ML2.1/1, MS3.4/2, Error ellipse: s-maj=30.0km s-min=20.3km az=18.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, H, M, S, I, SC. Includes stations like YKA, PDAR, TORO, etc.

ISK 05 10:35:39.2:38.28N:34.28E, h0km, ML1.6/6, Suspected Mining explosion.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, H, M, S, I, SC. Includes stations like GULA, GULA, BSIR, etc.

NEIC 05 10:43:30.7:0.6, 5.0S:0.2:147.5E:0.2, h161km, 14km, mb4.4/5, Error ellipse: s-maj=32.2km s-min=21.4km az=99.0

IDC 05 10:43:37.1:0.5, 4.75S:147.77E, h200km, 32km, mb3.4/3, mtbtp3.0/5, Error ellipse: s-maj=63.2km s-min=25.7km az=123.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, H, M, S, I, SC. Includes stations like PMG, COEN, WRB, etc.

BBOO Buckleboob 28.96 200 P P 10 49 16.1 +1.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, H, M, S, I, SC. Includes stations like GSPA, ILAR, TORO, etc.

IDC 05 10:53:30.2:4.9, 28.50N:143.19E, h0km, mb3.7/3, mtbtp3.7/3, Error ellipse: s-maj=334.3km s-min=31.1km az=85.0, Bonin Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, H, M, S, I, SC. Includes stations like WRA, ASAR, FINES, etc.

IDC 05 11:02:26.9:3.1, 30.112S:177.58W, h0km, mb3.4/2, mtbtp3.4/2, Error ellipse: s-maj=63.2km s-min=23.9km az=95.0, Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, H, M, S, I, SC. Includes stations like RAO, ASAR, FINES, etc.

IDC 05 11:11:09.5:9.1, 30.115S:177.57W, h33km, 62km, mb3.1/2, mtbtp3.3/2, MS3.2/1, Error ellipse: s-maj=66.3km s-min=37.6km az=106.0, Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, H, M, S, I, SC. Includes stations like RAO, ASAR, WRA, FINES, etc.

SJA 05 11:12:09.7:1.4, 20.37S:70.55W, h47km, ML5.5, MW5.3
GUC 05 11:12:10.2:0.8, 20.34S:70.69W, h46km, ML5.7
VAO 05 11:12:10.4:0.2, 20.27S:70.19W, h40km, 3km, mb5.5

BUI 05 11:12:11.0:0.0, 20.40S:70.60W, h40km, mb4.9/9, MS5.2/2, MS7.5/0/27

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, H, M, S, I, SC. Includes stations like TAO2, TAO1, PATCX, etc.

5d 11h

Table with columns for station name, frequency, power, and other technical details. Includes stations like HMBC, PB11, GO01, and many others.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like SAML, CPUP, ITQB, and many others.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like GUA01, ABR01, BCIP, and many others.

Table with columns for station ID, name, frequency, and various signal quality metrics. Includes stations like Kings Mountain, Kings Mountain, BG3, X51A, V58A, etc.

Table with columns for station ID, name, frequency, and various signal quality metrics. Includes stations like R50A, R50A, PBMO, P57A, R49A, Q52A, etc.

Table with columns for station ID, name, frequency, and various signal quality metrics. Includes stations like BINY, Binghamton, O44A, Mansfield, O44A, etc.

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Table with columns for station ID, name, frequency, and other technical details. Includes stations like KSCO, TRQ, SDCO, etc.

Table with columns for station ID, name, frequency, and other technical details. Includes stations like DBIC, BBRC, SRU, etc.

Table with columns for station ID, name, frequency, and other technical details. Includes stations like PMOZ, MLAC, TPWA, etc.

NEW	Neport	80.01 330	P	P	11 24 14.1	-0.4
H04A	Detroit Lake	80.05 325	IAMS_20	IAMS_20	12 01 11.5	
HO7A	Sunnyside	80.12 328	IAMS_20	IAMS_20	12 02 43.3	
BUCK	Buck Mountain	80.16 325	IAMB	IAMB	11 24 18.8	
C09A	Chrismarr Ranch	80.22 330	IAMB	IAMB	11 24 19.2	
C09A			IAMS_20	IAMS_20	12 00 31.0	
H04D	Lebanon	80.24 325	IAMS_20	IAMS_20	12 00 48.5	
MXC	Moxie City	80.35 328	IAMS_20	IAMS_20	12 03 13.5	
SUR	Sutherland	80.45 121	LR	LR	11 56 36.2	
COR	Corvallis	80.59 325	IAMB	IAMB	11 24 21.7	
G03D	McMillinnville	80.97 325	IAMB	IAMB	11 24 31.7	
F04A	Amboy	81.01 326	IAMB	IAMB	11 24 23.1	
LTY	Liberty	81.01 328	IAMB	IAMB	11 24 23.3	
LTY			IAMS_20	IAMS_20	12 01 48.7	
LON	Longmire	81.23 327	IAMS_20	IAMS_20	12 03 32.9	
HEBO	Mount Hebo	81.24 325	IAMB	IAMB	11 24 25.3	
PFVI	Vila Bisbo	81.50 45	eP	P	11 24 24.4 +1.7	
D05A	Enuculaw	81.62 327	IAMB	IAMB	11 24 26.2	
D05A			IAMS_20	IAMS_20	12 04 14.0	
MORF	Marmelete	81.71 45	eP	P	11 24 25.9 +2.1	
MORF			IAMS_20	IAMS_20	11 24 38.4 +1.9	
MORF	Marmelete	81.71 45	eP	P	11 24 25.5 +1.7	
MORF			IAMB	IAMB	11 24 26.1	
MORF	Marmelete	81.71 45	eP	P	11 24 25.5 +1.7	
MORF			pmax	pmax		
E03A	Lebam	82.00 326	IAMB	IAMB	11 24 30.3	
RADR	Rader Ridge	82.05 326	IAMS_20	IAMS_20	12 00 26.4	
EDM	Edmonton	82.10 336	IAMS_20	IAMS_20	12 03 44.7	
IFR	Ifrane	82.16 50	P	P	11 24 26.9 +0.4	
PBDV	Barranco-do-Ve	82.16 46	eP	P	11 24 27.5 +1.3	
PBDV	Barranco-do-Ve	82.16 46	eP	P	11 24 26.6 +0.4	
MDT	Middelt	82.18 51	LR	LR	11 59 56.6	
RAR	Raratonga	82.20 250	LR	LR	11 52 18.8	
PNCL	Nicoula / Gran	82.23 45	eP	P	11 24 27.8 +1.3	
PNCL	Nicoula / Gran	82.23 45	eP	P	11 24 26.9 +0.4	
MESJ	Messejana	82.29 45	eP	P	11 24 28.0 +1.2	
MESJ			eP	P	11 24 40.9 +1.5	
PCVE	Castro Verde	82.29 45	eP	P	11 24 28.2 +1.3	
PCVE			eP	P	11 24 41.7 +2.2	
PVAQ	Vaqueiros	82.29 46	eP	P	11 24 28.0 +1.1	
PVAQ			eP	P	11 24 28.0 +0.6	
PVAQ	Vaqueiros	82.39 46	eP	P	11 24 42.1 +2.1	
EGRO	EI Granado	82.61 46	eP	P	11 24 28.2 +0.8	
PBEJ	Beja	82.62 45	eP	P	11 24 28.7 +0.2	
PBEJ			eP	P	11 24 29.3 +0.7	
EVO	Evora	82.80 45	eP	P	11 24 42.8 +0.8	
PMTG	Montargil	82.95 44	eP	P	11 24 31.6 +1.3	
IVI	Ivigtur	83.24 11	IAMB	IAMB	11 24 33.8	
PBAR	Barrancos	83.25 45	eP	P	11 24 32.6 +0.8	
PBAR			eP	P	11 24 45.5 +1.1	
PBAR	Barrancos	83.25 45	eP	P	11 24 32.9 +0.4	
EMIN	Mina Concepcio	83.28 46	eP	P	11 24 32.3 +0.9	
PCAS	Casmilo, Conde	83.32 43	eP	P	11 24 33.0 +0.9	
PCAS			eP	P	11 24 45.9 +1.2	
EBAD	Badajoz	83.58 45	eP	P	11 24 34.1 +0.6	
FRB	Frubisher Bay	83.84 1	LR	LR	12 02 00.6	
FRB			LR	LR	11 59 56.6	
MTE	Monteigas	84.12 43	eP	P	11 24 37.7 +1.4	
MTE			eP	P	11 24 44.2 +0.8	
BRDLA	Berland Lookou	84.36 334	IAMB	IAMB	11 24 37.5	
BRDLA			IAMB	IAMB	11 24 59.8	
GRHM	Grahamway, E	84.57 123	IAMB	IAMB	11 24 59.8	
MVO	Moncorvo	84.86 43	eP	P	11 24 40.9 +0.9	
MVO			eP	P	11 24 54.2 +1.6	
CBB	Campbell River	85.18 328	IAMB	IAMB	11 24 44.4	
BOSA	Boshof	85.31 119	P	P	11 24 42.6 -0.2	
BOSA			P	P	11 59 24.2	
BOSA			LR	LR	11 24 43.4 +0.8	
PBRG	Braganca	85.39 42	eP	P	11 24 43.4 +0.8	
PBRG			eP	P	11 24 57.1 +1.9	
TAM	Tamarrasat	85.65 64	IAMB	IAMB	11 24 53.4	
MAW	Mawson	85.85 164	P	P	11 24 45.1 +0.6	
MAW			IAMS_20	IAMS_20	12 02 10.0	
ESDC	Sonsceca Array	86.08 45	P	P	11 24 46.0 -0.1	
ESDC			LR	LR	11 59 13.0	
ESDC			LR	LR	11 25 12.4 +1.5	
LBTB	Lobatse	86.86 115	LR	LR	11 59 06.5	
SFJD	Kangerlussuaq	88.35 8	LR	LR	12 05 17.3	
SFJD			LR	LR	11 25 02.3 -0.1	
YKA	Yellowknife Ar	89.82 341	P	P	11 25 02.3 -0.1	
YKA			LR	LR	12 08 18.2	
TOAD	Toad River Com	90.78 335	P	P	11 25 08.2 +0.2	
FLDN	Fort Liard	91.01 337	IAMB	IAMB	11 25 11.9	
FLDN	Fort Liard	91.01 337	P	P	11 25 09.7 +0.8	
FLDN			P	P	11 25 08.5 -0.5	
U35K	Hyder	91.02 331	P	P	11 25 08.5 -0.5	
MATP	Matopu	91.02 112	LR	LR	12 02 55.5	
KOTAN	Kotaneleele Air	91.16 336	P	P	11 25 11.1 +1.4	
V35K	Ketchikan	91.41 330	P	P	11 25 12.4 +1.5	
T35M	Bob Quinn	91.75 332	P	P	11 25 13.6 +1.1	
CRAQ	Craig	92.20 330	P	P	11 25 15.9 +1.3	
WRAK	Wrangell Islan	92.37 331	P	P	11 25 17.1 +1.8	
DLBC	Dease Lake	92.50 333	IAMB	IAMB	11 25 18.4	
DLBC			P	P	11 25 17.2 +1.2	
DLBC	Dease Lake	92.50 333	LR	LR	12 09 44.2	
U33K	Whale Pass	92.56 330	P	P	11 25 18.2 +2.0	
S34M	Telegraph Cree	92.67 332	IAMS_20	IAMS_20	12 10 45.3	
S34M	Telegraph Cree	92.67 332	P	P	11 25 17.9 +1.1	
B04G	Borgarnes	92.82 19	i P	P	11 25 19.5 +2.3	

T33K	Petersburg	92.87 331	P	P	11 25 18.9 +1.2	
WRGLY	Wrigley	92.99 339	P	P	11 25 18.9 +0.8	
WTLY	Watson Lake, 1	93.00 335	IAMB	IAMB	11 25 21.0	
WTLY	Watson Lake, 1	93.00 335	P	P	11 25 19.9 +1.7	
R33M	Jennings River	93.46 334	P	P	11 25 21.3 +0.8	
R33M	Jennings River	93.46 334	P	P	11 25 21.8 +1.3	
CASTY	Casey	93.63 180	P	P	11 25 22.0 +0.8	
GSYN	Hyland Airport	93.65 336	P	P	11 25 22.0 +0.8	
Q32M	Nakina River	93.76 333	IAMB	IAMB	11 25 24.6	
Q32M			IAMS_20	IAMS_20	12 04 42.2	
Q32M			P	P	11 25 22.4 +0.4	
KEST	Kesra	93.82 53	LR	LR	12 07 39.1	
URZ	Urewera	93.90 21	LR	LR	12 00 41.8	
S32K	Killisnoo	93.97 331	P	P	11 25 23.5 +0.9	
SIT	Sitka	94.09 330	P	P	11 25 23.2 -0.1	
JIS	Juneau Island	94.31 332	IAMS_20	IAMS_20	12 09 41.7	
R32K	Eaglecrest	94.37 332	P	P	11 25 25.6 +1.0	
P33M	Teslin, Yukon	94.69 334	IAMS_20	IAMS_20	12 10 33.7	
P33M	Teslin, Yukon	94.69 334	P	P	11 25 26.2 +0.1	
P32M	Atlin	94.73 333	IAMS_20	IAMS_20	12 08 47.7	
P32M	Atlin	94.73 333	P	P	11 25 26.7 +0.4	
S31K	Pelican	94.98 331	P	P	11 25 26.8 -0.5	
SUMG	Summit	95.17 9	P	P	11 25 28.8 +0.4	
SUMG	Summit	95.17 9	P	P	11 25 28.0 +0.4	
SUMG			pmax	pmax		
N32M	Quiet Lake	95.32 334	IAMS_20	IAMS_20	12 08 28.4	
N32M	Quiet Lake	95.32 334	P	P	11 25 28.7 -0.2	
SKAG	Skaguay	95.36 332	IAMS_20	IAMS_20	12 10 13.3	
SKAG	Skaguay	95.36 332	P	P	11 25 28.1 -0.9	
WHY	Whit Horse	95.80 333	IAMS_20	IAMS_20	12 06 50.9	
PLBC	Pleasant Camp	95.81 332	P	P	11 25 31.3 +0.2	
FARO	Faro, Yukon	96.02 335	IAMS_20	IAMS_20	12 11 56.7	
FARO	Faro, Yukon	96.02 335	P	P	11 25 33.0 +0.9	
RES	Resolute Bay	96.10 354	LR	LR	12 12 22.7	
O30N	Mendenhall	96.36 331	P	P	11 25 35.1 +1.4	
M31M	Drury Creek, Y	96.42 335	IAMS_20	IAMS_20	12 12 00.2	
M31M	Drury Creek, Y	96.42 335	P	P	11 25 33.5 -0.3	
P29M	Windy Craggy	96.50 332	P	P	11 25 34.1 -0.2	
N31M	Braun, Yuku	96.60 334	P	P	11 25 35.3 +0.6	
HYT	Haines Junctio	96.99 333	P	P	11 25 37.8 +1.1	
N30M	Aishik Lake	97.13 334	P	Pdf	11 25 38.0 +0.8	
O29M	Mount Kennedy	97.20 332	IAMS_20	IAMS_20	12 09 13.9	
O29M	Mount Kennedy	97.20 332	P	Pdf	11 25 38.1 +0.5	
C36M	Paulatuk	97.21 343	IAMS_20	IAMS_20	12 08 17.1	
C36M	Paulatuk	97.21 343	P	Pdf	11 25 38.2 +0.9	
PNL	Pensula	97.26 331	P	Pdf	11 25 38.7 +0.9	
YUK6	Outpost Mounta	97.42 333	P	Pdf	11 25 39.4 +0.7	
M30M	Minto, Yukon	97.57 335	P	Pdf	11 25 40.2 +1.1	
MAYO	Mayo, Yukon	97.73 336	P	Pdf	11 25 41.0 +1.2	
YUK4	Talbot Arm	97.73 333	P	Pdf	11 25 40.8 +0.7	
OSSC	Osservatorio P.	98.01 47	IAMS_20	IAMS_20	11 59 59.2	
O28M	Mount Upton	98.12 332	P	Pdf	11 25 42.2 +0.2	
M29M	Somme Creek	98.18 334	IAMS_20	IAMS_20	12 12 54.8	
M29M	Somme Creek	98.18 334	P	Pdf	11 25 42.7 +0.8	
DAVOX	Davos/Dischmat	98.25 43	LR	LR	12 08 32.6	
H31M	Peel River	98.31 338	P	P	11 25 42.1 -0.2	
L29M	L29M	98.36 335	P	P	11 25 42.4 -0.3	
L29M	L29M	98.36 335	P	Pdf	11 25 43.0 +0.3	
J30M	Hart River	98.39 337	IAMS_20	IAMS_20	12 13 54.4	
J30M	Hart River	98.39 337	P	P	11 25 42.5 -0.3	
K29M	Barlow Dome	98.48 336	IAMS_20	IAMS_20	12 13 21.8	
K29M	Barlow Dome	98.48 336	P	Pdf	11 25 43.6 +0.3	
LOGN	Logan Glacier	98.50 332	IAMS_20	IAMS_20	12 08 51.5	
MESA	MESA	98.64 331	P	P	11 25 43.8 -0.3	
YUK3	Moose Creek	98.70 333	P	Pdf	11 25 45.0 +0.6	
CTG	Chitna Glacier	98.71 332	P	Pdf		

5d 11h

Table of station data including call signs (e.g., H23K, D25K), frequencies (103.98, 103.99), and various status indicators (P, Pdf, IAMS\_20).

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Table of station data for 2018 APR, including call signs (WRAB, BRVK, BRVK), frequencies (133.14, 135.60), and status indicators (ePKIKP, PKPdf).

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Table of station data for the right column, including call signs (HHC, HHC), frequencies (comp=Z,190nm,22.6s), and status indicators (LR, LR).

UDC 05 11:23:20.9, 1.6, 82S:69.41W, h189km, 9km, mb3.5/2, mbmp4.2/5, Error ellipse: s-maj=25.4km s-min=19.4km az=130.0

GUC 05 11:23:22.1+0.7, 17:09S:69.72W, h204km, 7km, ML3.3 ISC 05 11:23:19.4-0.9, 16:15S:0.06:69.52W:0.08, h173km, n10, az=60/16, 1, Peru-Bolivia border region

Table with columns: Code, Station Name, A, AZ, Op, Phase ID, Time Res, h m s ISC. Contains station names like IPOC Station P, LPaz, Nana, and WRA.

TRN 05 11:26:56.6, 16:86N:61.06W, h22km, MD5.0, North-east of Guadeloupe. Felt.

MOS 05 11:26:57.6-0.9, 16:85N:61.05W, h41km, mb5.0/3S, Error ellipse: s-maj=9.3km s-min=7.0km az=66.1

NEIC 05 11:26:59.5, 1.4, 16:76N:0.05:61.04W:0.07, h38km, 6km, mb4.9/42S, Error ellipse: s-maj=10.4km s-min=7.0km az=59.0

UDC 05 11:27:00.9, 1.8, 16:79N:61.05W, h57km, 1.7km, mb4.3/27, mbmp4.6/30, ML3.6/3, MS4.0/15, Error ellipse: s-maj=12.0km s-min=10.7km az=93.0

ISC 05 11:26:59.4-0.6, 16:82N:0.03:61.06W:0.04, h42km, 5km, n800, e08/83/60, mb4.9/255, MS4.0/17, 7C-13D, Leeward Islands

Table with columns: Code, Station Name, A, AZ, Op, Phase ID, Time Res, h m s ISC. Contains station names like Guadeloupe/Mar, DSD, and ABY.



Table with columns: ILLAM, Ilet Lapin Mar, 2.04 175, eP, Pn, 11 27 31.3 0.0, etc. Includes various entries like Ilet Lapin Mar, Fort de France, Saba, etc.

Table with columns: ACSO, Alum Creek Sta, 30.09 325, P, P, 11 33 06.0 +1.1, etc. Includes various entries like Alum Creek Sta, Pickwick Lake, Seno Nova Dou, etc.

Table with columns: KAN08, Anthony NE Sta, 38.32 309, Iamb, Iamb, 11 34 17.5, etc. Includes various entries like Anthony NE Sta, Salt Plains WL, Ser Murinho, etc.

Table of station data for 5d 11h, including columns for call letters, frequency, power, distance, and status. Stations include LAO, NLUK, RDMU, X16A, P18A, CO03, WUAZ, SRU, FCC, BW06, PD31, PPAR, Q16A, TMUT, 214A, RLMT, RLMT, FFC, FFC, FFC, FFC, MPU, PKCU, MTPU, PIX, SNOW, KNB, KWB, TPAW, SZCU, SPUT, W13A, DUG, DUG, YHL, PDMC, EGMT, DY2G, DV2G, HUU, SFUD, PSUT, BOZ, ISOG, IRM, SPR3, BC3, VTX, Q12A, SWSC, GMRC, BO01, IKP, BELC, TUQ, R11B, S11A, BO02, MONP2, H10N2, H10N1, HLD, ELK, TPFO, HEC, PFO, PFO, SHOC, CBX, H10S3, H10S2, GWY, BBRC, WCT, 109C, QSM, RRR, FURC, MURC, BFSC, GRAC, GRAC, MPMC.

Table of station data for 2018 APR, including columns for call letters, frequency, power, distance, and status. Stations include LRMC, EDW2, BMN, CCAC, CWC, CIS, ICES2, ISV, NV11, NVAR, NVAR, NVAR, ESDC, ARVC, LHV, RYN, VES, MDPC, SNCC, J08A, WAKR, NEW, NEW, SMMC, MPK, EMB, G08A, DBIC, DBIC, ORV, MXC, J05D, I05D, SUMG, LTY, H04A, YBH, PLCA, PLCA, PLCA, PLCA, HOPS, EKA, KPCM, KHMM, YKA, KSBX, TOR, TOR, TOR, NEEM, FLDN, FLDN, KOTAN, TOAD, TAM, TAM, WRLGY, WRLGY, ECH, DAG, RPN, WTLY, TGTN, KEST, T35M, DLBC, DAVA, V35K, S34M, R33M, R33M, R33M, FETA, ALE, MOTA, SQTA, Q32M, WTTA, A36M, P33M, P33M, ABTA.

Table of station data for 320, including columns for call letters, frequency, power, distance, and status. Stations include N32M, LESA, NB2, NOA, P32M, FARO, FARO, CLL, CLL, S32K, KBA, NOR, KHC, PRED, M31M, GERES, WHY, BRG, BRG, BRG, BRG, H31M, H31M, F31M, F31M, HFS, INK, INK, N31M, G31M, G31M, OBKA, O30N, MAYO, SOKA, P30M, J30M, J30M, M30M, M30M, N30M, N30M, I30M, I30M, G30M, HYT, HYT, P29M, EPKY, EPKY, CONA, K29M, K29M, DPC, DPC, L29M, L29M, O29M, M29M, J29M, YUKA, G29M, G29M, H29M, H29M, E29M, E29M, ZST, ZST, DAWY, MODS, MODS, MODS, D28M, O28M, I28M, MAUC, E28M, E28M, F28M, YUK3, BVCY.



5d 12h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TIKI, SUR, PPT2, AKTO, TBI, YAK, PET, BTO, WRA, etc.

DJA 05 11:30:56.4:1.2, 7.8>12.2E, h199km, 20km, M3.9/7, mb4.4/1, MLv3.7/7, Flores Sea

JMA 05 11:43:43.4:0.1, 24.2N:0.3, 123.8E:0.3, h17km, 1km, MW0.7/7, NEAR ISHIGAKIJIMA ISLAND, Southwestern Ryukyu Islands

TAP 05 11:44:11.8, 24.85N:122.32E, h14km, 1km, ML1.8, D, Taiwan region

IDC 05 11:44:17.2:0.9, 56:18S>25:87W, h0km, mb4.2/5, mbtm4.1/6, ML3.4/1, Error ellipse: s-maj=42.0km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VNA1, VNA3, SNA2, etc.

IDC 05 11:54:56.8:0.5, 9.59S:0.07, 130.67E:0.09, h150km, n28, e242/28, Banda Sea

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

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SAUI, LBMI, DRS, MTN, KDU, etc.

IDC 05 12:20:45.7:6.6, 20.0S:0.7, 178.94W, h640km, 74km, mb2.8/5, mbtm3.8/5, Error ellipse: s-maj=110.5km s-min=29.2km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ASAR, WRA, NVAR, TXAR, ILAR, etc.

TAP 05 12:23:50.5, 24.60N:121.78E, h3km, MLO.5, B, Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ESAO, TWC, NDS, EWUT, etc.

JMA 05 12:24:08.3:0.3, 24.2N:0.9, 123.8E:0.5, h16km, 1km, NEAR ISHIGAKIJIMA ISLAND, Southwestern Ryukyu Islands

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

IDC 05 12:43:30.7:48.0, 15.88S:178.30W, h0km, mb4.3/3, s-min=157.1km az=76.0, Fiji Islands region

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

IDC 05 12:46:40.2:7.5, 17.32S:174.92W, h0km, mb4.0/3, s-min=40.7km az=141.0, Tonga Islands

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

NEIC 05 12:46:44.1:0.5, 36.46N:0.01, 96.86W:0.01, h3km, 2km, Error ellipse: s-maj=1.5km s-min=1.2km az=185.0

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

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OK048, QUOK, OK033, etc.

WEL 05 12:57:45.6:0.7, 38.54>14.9E, h12km, M3.4/47, ML3.6/53, MLv3.4/47, Error ellipse: s-maj=0.0km s-min=0.0km az=41.5, confirmed, Off east coast of North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WMGZ, PUZ, MXZ, etc.

Table listing stations such as MKAZ Moutmakai, HIZ Hauri, ETAZ East Takami Re, etc., with columns for station name, time, and other parameters.

IDC 05 13:17:42.7.2.1, 3.28N, 127.61E, h0km, mb3.6/3, mbtmp3.6/3, MS2.91, Error ellipse: s-maj=137.0km

Table listing stations like WRA Warramunga Arr, ASAR Alice Springs, USRK USSRyskyk Arr, MKAR Makanchi Array, etc.

NNC 05 13:24:28.9.0.8, 49.98N; 78.72E, h0km, mb3.4, mpv2.9, Error ellipse: s-maj=4.7km s-min=3.9km az=60.0, Suspected Mining explosion.

IDC 05 13:24:30.6.1.3, 50.03N; 78.71E, h0km, mbmp2.6/2, ML2.1/2, Error ellipse: s-maj=18.3km s-min=2.7km az=67.0

ISC 05 13:24:30.3.1.0, 50.08N; 0.04; 78.77E; 0.04, h0km, n13, r134/16, 3C-3D, Eastern Kazakhstan

Table listing stations like KURBB Kurchatov Arr, KURBB Kurchatov Arr, KURKB Kurchatov Arr, KURK Kurchatov, SEM Semipalatinsk, BRZS Berezinski, MKAR Makanchi Array, etc.

Table listing stations like OTUK Ortayu, OTUK Ortayu, OTUK Ortayu, ZSN Zaisan, KAPS Kaparalasan, ZALV Zalesovo Beam, I46RU Zalesovo INFRA, etc.

IDC 05 13:41:44.6.1.1, 15.08S; 173.74W, h0km, mb4.0/6, mbtmp4.0/6, MS3.4/14, Error ellipse: s-maj=56.5km s-min=23.6km az=149.0

ISC 05 13:41:49.6.1.0, 15.0S; 0.3; 173.8W; 0.2, h35km, n26, r0577/7, mb3.9/6, MS3.5/13, Tonga Islands

Table listing stations like DZM Mont Dzumac, URZ Urewera, H11S2 WAKE ISLAND, H11S3 WAKE ISLAND, etc.

Table listing stations BRTR Keskin Array B and PKIKP with columns for station name, time, and other parameters.

IDC 05 13:52:14.2.2.2, 4.99S; 151.17E, h0km, mb3.3/3, mbtmp3.3/3, Error ellipse: s-maj=135.5km s-min=32.4km az=125.0, New Britain region

Table listing stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, TORO Torodi Arr, etc.

IDC 05 13:52:33.8.1.1, 23.94N; 142.20E, h0km, mb3.6/5, mbtmp3.6/5, ML3.9/11, Error ellipse: s-maj=43.5km s-min=23.8km az=97.0

ISC 05 13:52:41.7.1.8, 24.1N; 0.2; 142.2E; 0.3, h50km, n6, r058/6, mb3.7/5, Volcano Islands region

Table listing stations like JCJ Chichijima, WRA Warramunga Arr, KURBB Kurchatov Arr, BVAR Borovoye Array, ILAR Eielson Array, YKA Yellowknife Arr, etc.

CATAC 05 14:09:11.2.0.4, 12.02N; 88.86W, h31km, 4km, ML3.8, ISC 05 14:09:10.4.1.3, 12.86N; 0.05; 88.90W; 0.03, h30km; 11km, n66, r047/103, Off coast of central America

Table listing stations like ALJI Alcaldia de J, TECO Alcaldia de Te, JUCU Jucuarin, LALI Alcaldia de L, SNVI San Vicente, COEG Centro de Oper, etc.

Table listing stations like SJTE Alcaldia de S, UESV Universidad de, LCY Lacayo, LOMA Loma Larga, PACA Pacayal, etc.

Table listing stations like POSS Presa 15 de Se, YSM San Miguel, PAVA Las Pavas, etc.

Table listing stations like SCLA Alcaldia de Sa, BLLM Bellmaria, SNET Serv Nac Est T, etc.

Table listing stations like UDBS Universidad D, UTEC Universidad Te, IGN Direccon J, etc.

Table listing stations like ITCA Escuela Especi, SEMO Seminario S, LFU La Fuente, etc.

Table listing stations like CNCH Conchagua, CEVE Cerro Verde, AMPH Amapala, etc.

Table listing stations like UNIC Universidad Ca, LLGN La Laguna, NUBE Las Nubes, etc.

Table listing stations like LOAL Lomas de Alarc, MTO3 Montecristo, ESQI Esquipulas, etc.

Table listing stations like HERN Volcan Telica, PACN Al O del Vol, ROCN Rota Cerro Neg, etc.

Table listing stations like CNGA Al SSO del Vol, CNGN Cerro Negro, GUNB GUNB, etc.

Table listing stations like RCNP Sur Rio San Juan, BOAB BOABADBAN, SAJU San Juanillo, etc.

IDC 05 14:17:33.7.335.0, 67.72N; 41.95E, h0km, Error ellipse: s-maj=162.4km s-min=135.5km az=12.0, Baltic States-Belarus-Northwestern Russia

Table listing stations like I37NO I37NO, I31KZ AKTYUBINSK INF, I46RU ZALESOVO INFRA, etc.

Table listing stations like KBS Kingsbay, SPAO Spitsbergen A, SPITS Spitsbergen A, etc.

Table listing stations like HOPEN Hopen, DAG Danmarks Havn, DAG Danborg, etc.

IDC 05 14:53:35.6.1.0, 13.85N; 144.95E, h131km, 4km, mb3.0/5, mbtmp3.4/5, Error ellipse: s-maj=56.9km s-min=21.6km az=95.0

NEIC 05 14:53:36.8.1.8, 13.7N; 0.1; 145.0E; 0.2, h139km, 5km, mb3.7/7, Error ellipse: s-maj=30.3km s-min=11.2km az=112.0

Table listing stations like ISC 05 14:53:34.8.0.9, 13.8N; 0.1; 145.1E; 0.2, h125km, n14, r164/15, mb3.5/10, Mariana Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include: FORT Forrest, TOO Toolangi, KURBB Kurchatov Arra, ILAR Eielson Array, BVAR Borovoye Array.

NEIC 05 14:56:51.6, 2.4, 16.24N, 0.09:95.21W, 0.04, h135km, 11km, mb4.4/7, Md4.6/30(MEX), Error ellipse: s-maj=12.6km s-min=5.8km az=170.0

MEX 05 14:56:52.8, 0.8, 16.40N, 95.13W, h105km, 11km, MD4.6, IDC 05 14:56:56.4, 3.1, 17.08N, 94.76W, h0km, mb3.8/5, mbtm3.7/6, ML3.1/2, MS3.2/9, Error ellipse: s-maj=93.5km s-min=24.2km az=38.0

ISC 05 14:56:52.6, 1.3, 16.45N, 0.04:95.12W, 0.03, h5km, 10km, n55, c172/49, mb3.9/5, MS3.1/6, Oaxaca

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include: HUIG Huatulco, CARR Ariaga, UXUV UXUV, OXIG Oaxaca, VHO Vista Hermosa, TUIG Zuzandepetl, PEIG Puerto Escondi, YONG Yondua, PNIG Pinotepa, PLIG Tehuacan, RTAL Retalhuleu, PLIG Platanillo, APG El Apazote, PETF Flores, MTO3 Montecristo, TEIG Tepich, ZAIG Zatecas, ORTG Ortega, JTS Las Juntas de Jarrell, 435B JCT Junction City, OZNA Ozona, LPIG La Paz, MNHN Monahans, PLPT Palo Pinto, X37A Clayton, T35A Sooner Cattle, ANMO Albuquerque, ANMO Albuquerque, TKL Tuckaleechee C, PFO Pinyon Flats O, ELK Elko, NVAR Mina Array Bea, SADO Sadowa, ULM Lac du Bonnet, YKA Yellowknife Arr, DLBC Dease Lake, ILAR Eielson Array.

IDC 05 15:00:41.4, 2.4, 3.44S, 151.58E, h0km, mb3.4/3, mbtm3.4/3, MS2.8/2, Error ellipse: s-maj=225.8km s-min=30.0km az=125.0, New Ireland region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include: PMG Port Moresby, DZM Mont Dzumac, WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array.

IDC 05 15:07:47.4, 1.5, 28.58N, 52.04E, h0km, mb3.9/8, mbtm3.9/13, ML3.6/5, MS3.1/7, Error ellipse: s-maj=28.4km s-min=23.9km az=111.0

TEH 05 15:07:48.5, 2.8, 63N, 52.17E, h8km, 24km, ML4.0, NEIC 05 15:07:48.5, 2.1, 28.63N, 0.07:52.15E, 0.08, h10km, 11km, mb4.4/18, Error ellipse: s-maj=13.1km s-min=10.4km az=49.0

OMAN 05 15:07:49.9, 1.0, 28.55N, 52.22E, h12km, mb4.2/16, m4.1/12, ms3.6/1, Error ellipse: s-maj=10.8km s-min=5.5km az=23.0

SGS 05 15:07:50.5, 2.8, 74N, 52.21E, h7km, ML3.9

DSN 05 15:07:53.6, 1.3, 28.29N, 52.24E, h20km, ML3.7/12, Error ellipse: s-maj=17.8km s-min=8.1km az=9.0, ISC 05 15:07:48.7, 0.5, 28.55N, 0.03:52.18E, 0.03, h15km, n132, c178/156, mb4.3/17, Southern Iran

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include: QIR1 Qir, OSBU Dabshi - Bushe, SHI Shiraz, KAZ2 Kazeron-Fars-I, JHRM Jahrom, LMD1 Lamerd, LAR1 LAR, KLN1 Kolanjeh, ABEH Abehban, SHMA Al-Shehemyia, SKBA Bahrain, SAKB, IRAM Ramrhes, IMEH Methrez, JRN Qarnain Island, JRN JRN, TRNA Turayna, JHBN Jahan bin SMRA Abu-Samra, SMRA, INGR Negar Kerman, CHK Chokhekh, KHGB Koh Gabri, IBAF Bafgh, SHME Shamm, SHME Shamm, IZEF Zireh, SMAN Simnah, SMAN Simnah, SLWR Sila, GHWR Ruwais, SHWI Shiraz, AJN Ajman, NAJ Nawza, Dubai, NAZ Nawza, Dubai, NHRD Haradh, NHRD Haradh, MASF Masafi, MSFE Esma-Masafi, IKLR Kolahrood, ASUD Al Ashush, Dub, ASUD Al Ashush, Dub, ANAR Anarak, FAQ Al Faqa, Dubai, FAQ Al Faqa, Dubai, CHNM Cheshme madani, MDH Madha, MDH Madha, UOSS Minazif, UOSS Minazif, UOSS Minazif, UOSS Minazif, HATD Hatta, Dubai, HATD Hatta, Dubai, ASHO Ashiyah, ASHO Ashiyah, GAMS Qamsar, ALNE Al Ain, ALNE Al Ain, KBAM BAM, RBMS RBMS, MZR Muzeera, ROAH Rumah, JASK Jask - Hormozg, ISFB Sefidab, SOHO SOHO, SOHO SOHO, SOHO SOHO, TPVR Parvadeh(Tabas), KHJR Al Khari, IKFM Kafar-mosalmal, UMZA Um Al Zimool, UMWZ, HSAM Samen, IYRN Yaramin, ARQ Araqi, ARQ Araqi, TKDS Khoodashht(Taba), TNSJ Nاستان, HOQ Hoqain, HOQ Hoqain, HAGD Aghdareh, FIR Firuzkooch, BIDO Bidbid, BIDO Bidbid, BSY Bisya, BSY Bisya, SMDO Samad, SMDO Samad, RAYN Ar Rayn, RAYN Ar Rayn, RAYN Ar Rayn, RAYN Ar Rayn, WSAR Wadi Sarin, WSAR Wadi Sarin, WSAR Wadi Sarin, WSAR Wadi Sarin, MZPU Jub - Mazandar, JMDO Jubal Madar, WBK Wadi Bani Khal, WBK Wadi Bani Khal, NGCH Negor - Chabab, NGCH Negor - Chabab, JLN Jelan Bani Buh, MHMO MHMO, MHMO MHMO, DOK Doka, GEYT Alibeck, GEYT Alibeck, GEYT Alibeck, GYAOB ALIBECK ARRAY, WHAF Wadi Haf, SHAO Shahr, DMT0 DMT0, RBK Rabkut, ARB Aybut, ASF Jabal al Asfar, ASF Jabal al Asfar, ASF Jabal al Asfar, MMAI Mount Meron Ar, MMAI Mount Meron Ar, SATY Saty.

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include: EIL Eliat, ARPR Arapgir-MALATY, KBZ Khabaz, BR13 Keskin Array B, BRTR Keskin Array B, AKTO Aktyubinsk, AKTO Aktyubinsk, AKTO Aktyubinsk, RDO Rodhopi, MLR Muntele Ros, MLR Muntele Ros, AGG Agios Georgios, AKASO Malin Array B, AKBB Malin Array S, KIEV Kiev, BURAR Bucovina Array, KMBO Kilima Mbogo, ZALV Zalesovo Beam, FIA1 FINES Array S, FINES FINES Array B, FINES FINES Array B, LVZ Lovozero, HFS Hagfros, NC405 NORSAR Array S, NB201 NORSAR Array S, NBOA NORSAR Array B, NBOO NORSAR Array S, EKA Eskdalemuir Ar, TOAO Torodi Ar. Sit, TORO Torodi Ar. Bea, TORO Torodi Ar. Bea, TORO Torodi Ar. Bea, DBIC Dimbokro, DBIC Dimbokro, LBTB Lobatse, LBTB Lobatse.

SOME 05 15:07:55.9, 4.2, 23N, 86.58E, h0km, NNC 05 15:07:56.4, 2.1, 41.33N, 87.72E, h0km, mb5.2, mpv5.4, Error ellipse: s-maj=18.9km s-min=16.6km az=109.0, BJL 05 15:07:57.0, 0.4, 41.07N, 87.72E, h0km, mb4.6/53, mb5.4/732, ML5.3/13, Ms4.6/55, Ms7.4/4/53, MOS 05 15:07:58.3, 1.1, 41.24N, 87.69E, h26km, mb5.2/52, MS4.2/6, Error ellipse: s-maj=17.1km s-min=3.6km az=29.5, NEIC 05 15:07:59.1, 4.1, 18N, 0.06:87.7E, 0.08, h22km, 3km, mb5.2/288, Error ellipse: s-maj=9.5km s-min=9.0km az=222.0

IDC 05 15:07:59.7, 0.5, 41.16N, 87.82E, h21km, 2km, mb4.4/31, mbtm4.6/37, ML4.3/6, MS4.0/56, Error ellipse: s-maj=12.5km s-min=9.6km az=22.0

BGR 05 15:08:11.7, 40.81N, 85.71E, h33km, mb4.6, ISC 05 15:08:12.7, 0.2, 41.22N, 87.83E, h0km, n132, c178/156, mb4.3/17, Southern Iran

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include: WMQ Urumqi, WMQ Urumqi, WMQ Urumqi, KTMS Ketmen, KTMS Ketmen, SHLS Shalkode, SHLS Shalkode, SHLS Shalkode, SHLS Shalkode, PDGK Podgonye, PDGK Podgonye, PDGK Podgonye, PDGK Podgonye, ZSN Zaisan, ZSN Zaisan, ZSN Zaisan, UZB Uzunbulak, UZB Uzunbulak, UZB Uzunbulak, UZB Uzunbulak, UZB Uzunbulak, UZB Uzunbulak, MKAR Makanchi Array, MKAR Makanchi, MAKZ Makanchi, MAKZ Makanchi, MAKZ Makanchi, MAKZ Makanchi, MAKZ Makanchi, MAKZ Makanchi.

Table with columns for SATY, frequency, polarization, and coordinates. Includes stations like SATY 7.14 288 eP, TARG Taragay, Kyrgyz, GOMU GeErMu, etc.

Table with columns for station name, frequency, polarization, and coordinates. Includes stations like KURBB, ARK Arkit, ZALV Zalesovo Beam, etc.

Table with columns for station name, frequency, polarization, and coordinates. Includes stations like XAN, TNCH, TIY Taiyuan, etc.







5d 15h

Table with 4 columns: F20K, I Amb, I Amb, and numerical values. Includes entries like 'F20K comp-Z,1,1nm,1.0s', 'F20K Avaraart Lake', 'J14K Nanvaranak Lak', etc.

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Table with 4 columns: K20K, I Amb, I Amb, and numerical values. Includes entries like 'K20K Telida', 'E27K Colen River', 'O14K Tigykukavit M', etc.

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Table with 4 columns: PAB, PAB, PAB, and numerical values. Includes entries like 'San Pablo', 'San Pablo', 'Chulitna', 'False Pass', 'Kvichak River', etc.

Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like PCAS, J30M, N25K, etc.

Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like DLBC, S34M, S34M, etc.

Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like L61B, PDAR, PDAR, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like ROM 05 15:14:46.4, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like IDC 05 15:24:06.5, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like SOME 05 15:36:10.5, etc.

5d 15h

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

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Main table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

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Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.



5d 17h

Table with columns: STKA, Stephens Creek, 29.38 200 LR, 17 07 00.3, etc.

IDC 05 17:26:28.4, 0.5, 67.61N, 142.61E, h0km, mb4.2/30, mbmp4.2/35, M13.2/4, MS3.4/34, Error ellipse: s-maj=1.4km s-min=10.5km az=155.0

MOS 05 17:26:28.5-1.0, 67.73N, 142.54E, h1km, mb4.7/31, Error ellipse: s-maj=12.7km s-min=5.8km az=91.2

NEIC 05 17:26:29.4, 1.2, 67.61N, 142.6E, 0.2, h10km, 1km, mb4.5/113, Error ellipse: s-maj=13.7km s-min=11.3km az=171.0

YARS 05 17:26:30.4, 67.82N, 142.57E, h5km, ISC 05 17:26:29.0-0.3, 67.74N, 142.41E, 0.03, h10km, n445, o1532/436, mb4.5/123, MS3.4/41, 10C-15D, Eastern Siberia

Main table with columns: Code, Station Name, Az, AZE, Phase, ID, Time, Res, ISC, h, m, s, ISC, etc.

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Main table with columns: KLR, Kul'dur, 19.33 201 P, 17 30 54.8 -0.2, etc.

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Main table with columns: BNX, H19K, Roundabout Mou, 23.49 66 P, 17 31 39.2 0.0, etc.

Table with columns for location (e.g., I23K, O15K), name (e.g., Minto, Yukon-K), time (e.g., 26.14), status (e.g., 63 P), and various numerical data (e.g., 17 32 03.2 -0.5).

Table with columns for location (e.g., ZALV, ZALV), name (e.g., Zalesovo Beam), time (e.g., 29.95), status (e.g., 272 P), and various numerical data (e.g., 17 32 38.4 +0.6).

Table with columns for location (e.g., FINES, FINES), name (e.g., FINESS Array B), time (e.g., 43.14), status (e.g., 321 P), and various numerical data (e.g., 17 34 30.4 +0.6).





Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for H03N1 Juan Fernandez, TAP 05 18:29:39.5, TWA Mucha, TWA Mucha, TIPB Shuangxi, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for ALS Alishan, ELDTW Lidau, JMA 05 18:30:20.2, IRIF Iriomote-Funau, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for IGT comp=N,31nm, IGT Igomuentsa, IGT Igomuentsa, etc.

BGR 05 19:25:01.6, 19:24s:172.30E, h33km  
BUI 05 19:25:05.9, 0.0, 181.44S:168.86E, h28km, mb4.8/39,  
mB5.0/18, Ms5.2/6, Ms7.4/8/5  
IDC 05 19:25:08.7, 2.3, 19:05S:168.72E, h59km, mb4.2/15,  
mbmp4.5/16, ML6.3/2, MS3.9/7, Error ellipse:  
s-maj=18.9km s-min=13.6km az=93.0  
NEIC 05 19:25:08.9, 2.2, 19:07S:0.09, 168.67E, h47km, 6km,  
mb4.9/42, Error ellipse: s-maj=13.2km s-min=11.6km  
az=150.0  
NOU 05 19:25:36.4, 21:04S:167.70E, h0km, MLV3.7/7, Loyalty  
Islands  
ISC 05 19:25:07.3, 0.4, 19:07S:0.05, 168.71E, h42km, n177,  
e141/166, mb4.8/46, MS3.7/8, 4C-12D, Vanuatu Islands

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, h, m, s, Res, ISC. Rows include stations like LIFNC, MARNC, YATNC, DZM, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, h, m, s, Res, ISC. Rows include stations like GSPA, QSPA, USRK, MDJ, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, h, m, s, Res, ISC. Rows include stations like BIAO, SOKA, TNS, OBKA, etc.

BUI 05 19:24:14.9, 0.0, 33.78N:120.21W, h6km, mb5.0/26,  
mB5.5/13, Ms5.2/26, Ms7.5/0/25  
IDC 05 19:29:16.0, 0.4, 33.85N:119.62W, h0km, mb4.6/38,  
mbmp4.6/45, ML4.3/7, MS4.7/72, Error ellipse:  
s-maj=9.7km s-min=8.7km az=48.0  
PAS 05 19:29:16.5, 3.0, 33.74N:104.119, 73W:0.06, h10km, 3km,  
Mw5.3/6, Mw5.1/206(NEIC), M5.5/112(NEIC),  
Mw5.3/102(NEIC), Mw5.3/36(NEIC), Error ellipse:  
s-maj=0.0km s-min=0.0km az=173.0  
NEIC 05 19:29:16.7, 33.84N:119.72W, h14km  
NEIC 05 19:29:16.5, 33.84N:119.73W, h10km  
NEIC 05 19:29:16.7, 33.94N:119.60W, h14km, Moment Tensor  
Solution. Duration: 2s5 Moment tensor: Scale 10<sup>17</sup>Nm;  
Mn-0.04; Mw-0.47; Mw0.51; Mw0.12; Mw0.00;  
Fault plane solution: M1:3.3000\*10<sup>17</sup> NP1:79.08000\*;  
388.76000\*,-0.57000\* NP2:169.19000\*,-884.93000\*;  
1.782000\* Principal axes: T 3456, P1g5.0000\*;  
Az124.0000\* N -0.0375, P1g85.0000\* Azm245.0000\*;  
P -1.3081, P1g4.0000\* Azm34.0000\*;  
NEIC 05 19:29:16.2, 2.8, 33.82N:104.119, 73W:0.06, h10km, 3km  
Error ellipse: s-maj=7.7km s-min=5.8km az=79.0  
Moment Tensor Solution. Moment tensor: Scale 10<sup>16</sup>Nm;  
Mn-1.11; Mw-4.09; Mw0.52; Mw1.37; Mw0.82; Mw1.03;  
Fault plane solution: M6:9.63000\*10<sup>16</sup> NP1:  
344.98000\*,-880.88000\*,-1.7778000\* NP2:  
37.532000\*,-887.86000\*,-1.913000\* Principal axes: T  
10.2014, P1g8.0000\* Azm300.0000\* N -1.2751,  
P1g81.0000\* Azm88.0000\* P -8.9263, P1g5.0000\*;  
Az120.0000\*;  
MOS 05 19:29:16.1, 1.5, 33.88N:119.61W, h10km, mb5.4/44,  
MS4.9/10 Error ellipse: s-maj=7.9km s-min=5.8km  
az=92.2  
ANF 05 19:29:17.3, 0.3, 33.89N:119.63W, h12km, 2km, ML5.5/42,  
Error ellipse: s-maj=2.9km s-min=1.8km az=38.0  
GCMT 05 19:29:19.5, 0.1, 33.90N:101.119, 72W:0.01, h12km,  
Mw5.4/156, Moment Tensor Solution. s14,c185;  
s156,c284; Duration: 1s2 Moment tensor: Scale 10<sup>17</sup>  
Nm; Mw0.03; Mw0.55; Mw0.52; Mw0.02;  
Mw0.12; Mw0.12; Mw1.25; Mw1.06; Mw0.06; Mw0.06;  
Best double couple: M1:3.6700\*10<sup>17</sup> NP1:25.0000\*,-880.0000\*;  
1.6.0000\* NP2:168.0000\*,-884.0000\*,-1.78.0000\*;  
Principal axes: T 1.3580, P1g5.0000\* Azm124.0000\*;  
N 0.180, P1g84.0000\* Azm274.0000\* P -1.3750,  
P1g3.0000\* Azm33.0000\* nsta1 refers to body waves,  
cutoff=0.0s. nsta2 refers to surface waves, cutoff=50s.  
Triangular moment-rate function  
ISC 05 19:29:17.2, 0.6, 33.84N:102.119, 72W:0.02, h10km, 3km,  
n917,e180/771, mb5.1/202, MS4.8/85, 11C-30D,  
Southern California

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, h, m, s, Res, ISC. Rows include stations like SCZ2, BSM, SBC, etc.



5d 19h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like VBMS Vicksburg, I40A Norwalk, JFWS Jewell Farm, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like VRDI Verde Repeater, L29M L29M, KMSC Kings Mountain, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like RND Reindeer, CHNA Chernabura Is, G29M Pine Creek, etc.



5d 19h

Table with columns for station call letters, name, frequency, power, and signal strength. Includes stations like NBRS Nobres, HEH Heihe, SALV Santo Antonio, etc.

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Table with columns for station call letters, name, frequency, power, and signal strength. Includes stations like AZCA Azaras, BRG Berggiesshubel, BRG Berggiesshubel, etc.

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Table with columns for station call letters, name, frequency, power, and signal strength. Includes stations like ZALV, ARU Arti, SOKA Sobol, etc.

Table with columns: KBZ, Khabaz, 101.19 13 P, Pdif, 19 43 09.3 +1.5, ACCO, ACCO, comp=Z, 1.1um, 0.7s, MT02, Curacav, 2.51 164, Pn, Pn, 20 19 24.0 +0.2, etc.

DJA 05 19:48:00.0, 4.2 S, 4.12 E, h71km, 17km, M3.4/9, mb3.8/3, mb5.4/2, MLV3.2/9, Mw(mb)4.8/2, Ceram Sea

VAO 05 20:18:34.8, 2.4 S, 3.147S, 72.82W, h10km, mb4.4, SJA 05 20:18:40.6, 0.6, 30.87S, 72.21W, h7km, ML4.5, MW4.0, IDC 05 20:18:42.0, 0.7, 30.86S, 71.66W, h0km, mb4.1/9, mbmp4.0/14, ML3.9/4, MS3.4/2, Error ellipse: s-maj=28.9km s-min=15.5km az=96.0

NEIC 05 20:18:43.2, 2.3, 30.84S, 0.04, 72.03W, 1.06, h10km, 1km, mb4.0/6, Error ellipse: s-maj=9.9km s-min=5.1km az=238.0

GUC 05 20:18:44.6, 0.8, 30.85S, 71.96W, h19km, 4km, ML4.1, ISC 05 20:18:42.8, 1.6, 30.84S, 0.02, 71.96W, 0.05, h9km, 10km, n119, s197/139, mb4.2/11, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, CO06, Fray Jorge, 0.32 59 P, P, 20 18 51.5 +0.8, CO06, Fray Jorge, 0.32 59 P, P, 20 18 52.1 +1.3, etc.

Table with columns: ACCO, ACCO, comp=Z, 1.1um, 0.7s, MT02, Curacav, 2.51 164, Pn, Pn, 20 19 24.0 +0.2, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, PLTB, Pedras Altas, 15.72 98 P, Iamb, Iamb, 20 22 21.9 -2.5, etc.

Table with columns: TORO, Torodi Ar, Bea, 83.08 70 P, P, 20 21 07.1 -2.2, WRA, Warramunga Arr, 123.54 210 PKP, PKP, 20 37 40.9 -0.4, etc.

IDC 05 20:59:11.5, 2.0, 36.13N, 69.76E, h128km, 19km, mb3.5/20, mbmp4.0/24, Error ellipse: s-maj=14.4km s-min=10.6km az=38.0

MOS 05 20:59:11.3, 1.1, 36.29N, 69.77E, h134km, mb4.1/10, Error ellipse: s-maj=8.0km s-min=4.4km az=82.3

NEIC 05 20:59:12.9, 1.2, 36.29N, 0.04, 69.71E, 0.8, h135km, 7km, mb4.3/32, Error ellipse: s-maj=9.7km s-min=4.0km az=64.0

NNC 05 20:59:13.6, 1.9, 36.55N, 69.48E, h134km, 23km, mb4.2, mpv5.3, Error ellipse: s-maj=18.8km s-min=10.1km az=164.0

ISC 05 20:59:14.1, 0.4, 36.35N, 0.05, 69.69E, 0.04, h150km, n162, s227/185, mb4.0/41, 18C-16D, Hindu Kush region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, KBL, Kabul, 1.88 197 Pn, Pn, 20 59 45.0 -3.1, etc.

5d 21h

Table of astronomical observations for stations PDGK, KNOTS, OTUK, etc. Columns include station name, coordinates, magnitude, and other parameters.

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Main table of astronomical observations for stations AKASG, PHRA, HHC, etc. Columns include station name, coordinates, magnitude, and other parameters.

Table of astronomical observations for stations T1221, NRCA, GUMA, etc. Columns include station name, coordinates, magnitude, and other parameters.

ROM 05 21:00:24.8-0.1, 43.027N, 0.004:13.008E±0.004, h8km, ML2, 1/80, 5C-1D, Error ellipse: s-maj=0.4km s-min=0.3km az=358.0, Central Italy

ROM 05 21:01:16.1-0.0, 43.019N, 0.002:13.007E±0.004, h8km, ML2, 3/86, 11C-3D, Error ellipse: s-maj=0.2km s-min=0.2km az=56.0, Central Italy



Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like NRCA, GAG1, SNTG, GUMA, MMO1, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like FRON, CAMP, PP3, AVT, TERO, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like H04S3, TXAR, IDC 05 21:33:46.6, CATAC, SLOZ, etc.

5d 23h

Table with columns: Call sign, Name, Frequency, Mode, Power, Status, and other parameters. Includes stations like KLF, HET, HEF, etc.

IDC 05 22:17:47.9.7.4, 4.88S, 153.52E, h82km, 57km, mb3.6/10, mbtm=0.11, ML2.2/1, MS3.4/3, Error ellipse: s-maj=5.6km s-min=20.3km az=78.0

ISC 05 22:17:44.0.9.4, 4.85N, 01.153.7E, 0.2, h56km, n17, 0.62/15, mb3.8/10, New Ireland region

Table with columns: Code, Station Name, Frequency, Mode, Power, Status, and other parameters. Includes stations like HNR, PMG, WRA, etc.

NEIC 05 22:19:52.9.1.1, 41.148N, 0.02, 77.38W, 0.03, h0km, 2km, mb\_Lg2.6/3, ML2.2/1.4, Error ellipse: s-maj=3.7km s-min=3.0km az=54.0, Pennsylvania

Table with columns: Code, Station Name, Frequency, Mode, Power, Status, and other parameters. Includes stations like M57A, L56A, N58A, etc.

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Table with columns: Call sign, Name, Frequency, Mode, Power, Status, and other parameters. Includes stations like M53A, MCWV, PAL, etc.

JMA 05 22:19:53.1.0.3, 29.12N, 124.141E, h63km, M3.8/16, NEAR CHICHUJIMA ISLAND, Bonin Islands region

Table with columns: Code, Station Name, Frequency, Mode, Power, Status, and other parameters. Includes stations like CBJU, JH2, BSO1, etc.

IDC 05 22:58:45.7.1.3, 33.87N, 135.76E, h407km, 13km, mb3.0/10, mbtm=3.7/13, Error ellipse: s-maj=19.3km s-min=18.6km az=122.0

JMA 05 22:58:45.4.0.1, 34.1N, 135.7E, 0.7, h408km, 1km, M3.9/47.5, SOUTH IRIOMOTE ISLAND, IRIOMOTE ISLAND region

ISC 05 22:58:46.0.0.8, 34.0N, 0.7, 135.76E, 0.06, h405km, 6km, n40, r110/51, mb3.2/10, Near south coast of western Honshu

Table with columns: Code, Station Name, Frequency, Mode, Power, Status, and other parameters. Includes stations like JTNC, JNY, JAO, etc.

IDC 05 23:00:04.8.0.9, 56.04N, 163.53E, h0km, mb3.8/15, mbtm=3.8/16, ML2.6/1, MS3.0/7, Error ellipse: s-maj=24.4km s-min=17.4km az=155.0

KR05 05 23:00:05.5.1.2, 55.99N, 163.78E, h19km, 17km, M4.1, MOS 05 23:00:08.3.0.8, 56.03N, 163.74E, h42km, mb4.2/9, Error ellipse: s-maj=9.1km s-min=6.8km az=55.8

ISC 05 23:00:09.2.1.0, 56.09N, 0.05, 163.76E, 0.04, h31km, 6km, n85, r111/86, mb4.0/20, MS3.1/5, 6C-20, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Frequency, Mode, Power, Status, and other parameters. Includes stations like BKI, ZLN, CIRR, etc.

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Table with columns: Call sign, Name, Frequency, Mode, Power, Status, and other parameters. Includes stations like WRA, AS31, ASAR, etc.

IDC 05 23:00:04.8.0.9, 56.04N, 163.53E, h0km, mb3.8/15, mbtm=3.8/16, ML2.6/1, MS3.0/7, Error ellipse: s-maj=24.4km s-min=17.4km az=155.0

KR05 05 23:00:05.5.1.2, 55.99N, 163.78E, h19km, 17km, M4.1, MOS 05 23:00:08.3.0.8, 56.03N, 163.74E, h42km, mb4.2/9, Error ellipse: s-maj=9.1km s-min=6.8km az=55.8

ISC 05 23:00:09.2.1.0, 56.09N, 0.05, 163.76E, 0.04, h31km, 6km, n85, r111/86, mb4.0/20, MS3.1/5, 6C-20, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Frequency, Mode, Power, Status, and other parameters. Includes stations like BKI, ZLN, CIRR, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like SONMG Songoing Array, H1121 WAKE ISLAND Hy, YKA Yellowknife Ar, ZALV Zalesovo Beam, SPITS Spitsbergen Ar, etc.

DJA 06:00:05.06.1±0.10.10'S±11'2"8E±1.1h10km,M4.2/6, mb4.3/3,mb5.7/1,MLV4.2/6,Mw(mb)5.3/1

IDC 06:00:05.14.1±1.6.9:86S:127.03E,h0km,mb3.7/3, mbmp3.9/6,ML3.9/3,MS3.0/3,Error ellipse: s-maj=46.2km s-min=28.0km az=54.0

ISC 06:00:18.3±1.0.10.1S±0.1x127.0E:0.1,h35km,n13, r±126.13,mb3.7/3,MS2.8/3,Timor Sea

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like SOEI Soe, BATI Baumata, BATI Baumata, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like SNGZ Raukumara Rang, RUGZ Raukumara Rang, ARHZ Aroapoanui, etc.

NOU 06:00:17.53.7.37:39S:-178.53E,h181km,MLV4.7/9,Off E. Coast of N. Island, N.Z.

IDC 06:00:18.00.2.3.3.37.19S:177.94E,h93km±23km,mb4.1/5, mbmp4.4/5,MS2.8/1,Error ellipse: s-maj=41.0km s-min=26.9km az=46.0

NEIC 06:00:18.02.6±1.7.37.6S:0.1x177.5E:0.1,h89km,9km, mb4.5/11,Error ellipse: s-maj=16.9km s-min=9.8km az=143.0

WEL 06:00:18.03.0.7.37'18S:-177.72E,h84km,ML4.4,Mw4.4, Moment Tensor Solution, S4 Moment tensor: Mr66.69; Mw=303.24; Mw±216.55; Mw±31.95; Mw±27.18; Mw±30.45; Fault plane solution: NP±45.0000°; 330.0000°; 1.1.0000°; NP2±309.0000°; 85.0000°; 1.120.0000°. Principal axes: T=520.0700,Plg42.0000°, Azm248.0000°, N=-18.5900,Plg30.0000°, Azm126.0000°; P=538.6700,Plg33.0000°, Azm14.0000°, N.O.F.N.

WEL 06:00:18.03.6±0.7.37'S±5.17'8E±1.1h77km,7km,M4.3/22, ML4.6/23,MLV4.3/22,Error ellipse: s-maj=0.0km s-min=0.0km az=36.1,confirmed

ISC 06:00:18.03.0±0.5.37.50S±0.04x177.70E±0.04,h113km,4km, n21.1,σ179/222,mb4.5/15,1C,Off east coast of North Island

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like HAZ Te Kaha, WIZ White Island, WSRZ White Island S, etc.

URZ 1µm,0.3s,baz=86,slow=17,SNR=20

URZ Urewera 0.89 211 P Sn 00 18 23.6 -0.1

URZ Manawaha 0.95 239 P Sn 00 18 24.0 -0.3

TKGZ Te Karaka 0.95 173 P Sn 00 18 24.6 +0.3

OPRZ Ohinepanea 0.97 249 P Sn 00 18 24.7 +1.6

EDRZ Edgewcombe 0.97 231 P Sn 00 18 24.6 -0.0

RAGZ Rawiri 1.02 193 P Sn 00 18 25.9 +0.8

RAGZ Carnagh Statio 1.06 158 P Sn 00 18 26.0 +0.5

LIRZ Lichensteins R 1.12 242 P Sn 00 18 26.5 +0.1

TGRZ Taungata 1.17 258 P Sn 00 18 26.0 -0.5

MKGZ Makariti 1.17 236 P Sn 00 18 27.4 +0.7

MYRZ Mayor Island 1.18 280 P Sn 00 18 27.5 -1.0

TARZ Mount Tarawera 1.20 232 P Sn 00 18 27.5 +0.5

RIGZ Rimuhau 1.21 178 P Sn 00 18 27.4 +0.4

OMRZ Omahia 1.21 240 P Sn 00 18 27.8 +0.7

MUGZ Murepua 1.22 217 P Sn 00 18 27.9 +0.3

RTZ Ruatahunua 1.25 207 P Sn 00 18 28.2 +0.6

RRRZ Republican Roa 1.26 228 P Sn 00 18 27.7 0.0

KARZ Kaharoa 1.27 245 P Sn 00 18 28.7 +0.6

HLRZ Hihiares Stat 1.30 234 P Sn 00 18 29.1 +0.8

SHRZ Shannon Statio 1.31 192 P Sn 00 18 28.9 +0.4

NGRZ Ngongotaha 1.34 243 P Sn 00 18 30.1 +1.3

UTU Utuhia 1.37 240 P Sn 00 18 30.2 +0.9

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like KAHZ Kahuranaki, KRHZ Kereru, TUWZ Tukino, etc.

NOU 06:00:17.53.7.37:39S:-178.53E,h181km,MLV4.7/9,Off E. Coast of N. Island, N.Z.

IDC 06:00:18.00.2.3.3.37.19S:177.94E,h93km±23km,mb4.1/5, mbmp4.4/5,MS2.8/1,Error ellipse: s-maj=41.0km s-min=26.9km az=46.0

NEIC 06:00:18.02.6±1.7.37.6S:0.1x177.5E:0.1,h89km,9km, mb4.5/11,Error ellipse: s-maj=16.9km s-min=9.8km az=143.0

WEL 06:00:18.03.0.7.37'18S:-177.72E,h84km,ML4.4,Mw4.4, Moment Tensor Solution, S4 Moment tensor: Mr66.69; Mw=303.24; Mw±216.55; Mw±31.95; Mw±27.18; Mw±30.45; Fault plane solution: NP±45.0000°; 330.0000°; 1.1.0000°; NP2±309.0000°; 85.0000°; 1.120.0000°. Principal axes: T=520.0700,Plg42.0000°, Azm248.0000°, N=-18.5900,Plg30.0000°, Azm126.0000°; P=538.6700,Plg33.0000°, Azm14.0000°, N.O.F.N.

WEL 06:00:18.03.6±0.7.37'S±5.17'8E±1.1h77km,7km,M4.3/22, ML4.6/23,MLV4.3/22,Error ellipse: s-maj=0.0km s-min=0.0km az=36.1,confirmed

ISC 06:00:18.03.0±0.5.37.50S±0.04x177.70E±0.04,h113km,4km, n21.1,σ179/222,mb4.5/15,1C,Off east coast of North Island

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like HAZ Te Kaha, WIZ White Island, WSRZ White Island S, etc.

URZ 1µm,0.3s,baz=86,slow=17,SNR=20

URZ Urewera 0.89 211 P Sn 00 18 23.6 -0.1

URZ Manawaha 0.95 239 P Sn 00 18 24.0 -0.3

TKGZ Te Karaka 0.95 173 P Sn 00 18 24.6 +0.3

OPRZ Ohinepanea 0.97 249 P Sn 00 18 24.7 +1.6

EDRZ Edgewcombe 0.97 231 P Sn 00 18 24.6 -0.0

RAGZ Rawiri 1.02 193 P Sn 00 18 25.9 +0.8

RAGZ Carnagh Statio 1.06 158 P Sn 00 18 26.0 +0.5

LIRZ Lichensteins R 1.12 242 P Sn 00 18 26.5 +0.1

TGRZ Taungata 1.17 258 P Sn 00 18 26.0 -0.5

MKGZ Makariti 1.17 236 P Sn 00 18 27.4 +0.7

MYRZ Mayor Island 1.18 280 P Sn 00 18 27.5 -1.0

TARZ Mount Tarawera 1.20 232 P Sn 00 18 27.5 +0.5

RIGZ Rimuhau 1.21 178 P Sn 00 18 27.4 +0.4

OMRZ Omahia 1.21 240 P Sn 00 18 27.8 +0.7

MUGZ Murepua 1.22 217 P Sn 00 18 27.9 +0.3

RTZ Ruatahunua 1.25 207 P Sn 00 18 28.2 +0.6

RRRZ Republican Roa 1.26 228 P Sn 00 18 27.7 0.0

KARZ Kaharoa 1.27 245 P Sn 00 18 28.7 +0.6

HLRZ Hihiares Stat 1.30 234 P Sn 00 18 29.1 +0.8

SHRZ Shannon Statio 1.31 192 P Sn 00 18 28.9 +0.4

NGRZ Ngongotaha 1.34 243 P Sn 00 18 30.1 +1.3

UTU Utuhia 1.37 240 P Sn 00 18 30.2 +0.9

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like KAHZ Kahuranaki, KRHZ Kereru, TUWZ Tukino, etc.

6d 0h

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, ISC, H m s, ISC. Includes stations like HHC, ARAO, ARCES, KTK1, JETT, etc.

WEL 06:00:18-40.0, 8, 41'S, 176E, h22km, 6km, M2.0/8, M-L2.6/3, ML2.0/8, Error ellipse: s-maj=0.0km, s-min=0.0km az=101.5, confirmed, North Island

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, H m s, ISC. Includes stations like HOWZ, TWZ, TMWZ, etc.

IPCC 06:00:29:05.1, 0.2, 49.84N; 181.55E, h1km, ML2.5/4, Error ellipse: s-maj=1.7km s-min=1.1km az=163.0

PRU 06:00:29:07.0, 49.79N; 181.41E, h0km, Mining Induced Event Darkov, E=7.5e+05

VIE 06:00:29:09.6, 0.6, 49.72N; 181.06E, h0km, mb2.4/9, ml2.4/15, Error ellipse: s-maj=6.6km s-min=2.7km az=131.0

ISC 06:00:29:04.5, 0.8, 49.96N; 0.03, 18.50E, 0.02, h0km, n49, +194/772, 13C-3D, Czech and Slovak Republics

Main table of station data for the 6d 0h period, including stations like OKC, MORC, OJC, etc.

2018 APR

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, ISC, H m s, ISC. Includes stations like WTTA, GZR, MZT, etc.

ISC 06:00:40:14.7, 0.4, 15.15S; 75.48W, h0km, mb.4.6/18, mbtm4.6/23, ML3.6/4, MS4.3/48, Error ellipse: s-maj=19.8km s-min=10.7km az=62.0

MOS 06:00:40:15.7, 1.2, 15.10S; 75.46W, h15km, mb4.9/27, Error ellipse: s-maj=11.7km s-min=6.2km az=115.5

NEIC 06:00:40:16.5, 1.5, 15.50S; 75.81W, h14km, Moment Tensor Solution, Duration: 197, Moment tensor: Scale 10^19Nm

VAO 06:00:40:18.5, 1.5, 15.17S; 75.40W, h20km, 8km, mb5.1, Fault plane solution: Ms4.4/4000, 106, NP2

GCMT 06:00:40:19.0, 1.3, 15.25S; 0.02, 75.94W, 0.02, h31km, 1km, MW5.1/79, Moment Tensor Solution, s42.c51; s79.c116; Duration: 0, Moment tensor: Scale 10^19Nm

ISC 06:00:40:16.0, 0.3, 15.26S; 0.04, 75.62W, 0.05, h10km, n874, +1833/772, mb5.0/222, MS4.4/69, 10C-6D, Near coast of Peru

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, H m s, ISC. Includes stations like NNA, PB12, etc.

ISC 06:00:40:16.0, 0.3, 15.26S; 0.04, 75.62W, 0.05, h10km, n874, +1833/772, mb5.0/222, MS4.4/69, 10C-6D, Near coast of Peru

Main table of station data for the 2018 APR period, including stations like NNA, PB12, etc.

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Main table of station data for the 346 period, including stations like CRUC, BBAC, GARC, etc.

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Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like Rio Claro-Sao Paulo, Macapa, AP, Macapa, AP, Macapa, AP, etc.

2018 APR

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like La Paz, Smith Brothers, Lajitas Ar. Si, Lajitas Array, etc.

6d 0h

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like New Philadelphia, Middles State, Sooner Cattle, etc.

6d 0h

2018 APR

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like BC3 Big Chuckawall, MONP2 Monument Peak, ECSD EROS Data Cent, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like AGMN Agassiz Nation, TPH Tonopah, MDND Madcock, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like C09A Chrisman Ranch, D05A ENUmclaw, NVL N'Azarevsky, etc.



6d 1h

Table with columns: PZH, CMAR, PZH, CMAR, PZH, CMAR. Rows include station names like PanZhiHua, Chiang Mai, and coordinates.

NEIC 06:00:40:57.1+1.4, 56:03N-070:149:23W, 0.10, h23km, 10km, ML3.6/52, ML3.4(AEIC), Error ellipse: s-maj=10.5km s-min=8.1km az=182.0

ISC 06:00:40:57.2-1.9, 56:04N-148:94W, h0km, mb3.3, mbtmp3.3/6, ML2.8/4, MS3.0/3, Error ellipse: s-maj=32.2km s-min=24.7km az=51.0

AEIC 06:00:41:00.3+1.5, 56:03N-070:149:22W, 0.1, h12km, 7km, Error ellipse: s-maj=13.5km s-min=8.7km az=160.0

ISC 06:00:40:57.3-1.1, 56:17N-103:149:28W, 0.06, h10km, n179, 0584/178, Gulf of Alaska

Main station list table for the 6d 1h period. Columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Kodiak Island, Sitkinak Island, Shuyak Island, etc.

23 APR

Main station list table for the 23 APR period. Columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Susitna One, Bremner River, Bonanza Creek, etc.

350

Table with columns: CMAR, CMAR, WRA, SONM, ASAR, HNR, KURBB. Rows include station names like Chiang Mai Arr, Alice Springs, Warramunga Arr, etc.

NAO 06:01:22:33.7, 40:13N-15:95E, h33km, mb2.7, TIR 06:01:22:34.9, 40:67N-15:32E, h76km, 5km, M13.4

RISSC 06:01:22:38.0, 40:69N-15:42E, h13km, ML3.4/18, BEO 06:01:22:38.9, 40:80N-15:54E, h0km, ML3.2/2

ISC 06:01:22:37.8, 40:70N-15:46E, 0.01, h17km, 4km, n201, 0122/162/7, 14C-14D, Southern Italy

Main station list table for the 350 period. Columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Muro Lucano, Vietri Di Pote, Caggiano, etc.



Table with columns for location, distance, elevation, and time/direction. Includes entries like SLCN, MRN3, MARSICO NUOVO, and various locations in Basilicata and Campania.

Table with columns for location, distance, elevation, and time/direction. Includes entries like SIRI, MRVN, MOCO, PSB1, and various locations in Basilicata and Campania.

Table with columns for location, distance, elevation, and time/direction. Includes entries like MATE, PTRJ, CMSN, ORI, CSOB, CAAM, CSFT, CPOZ, MELA, MELA, MELA, SALB, APRC, MSAG, SGG, BSSO, CRTO, VVDG, CRAC, CRAC, OVO, AMUR, MGR, MRB1, SIRI, MATE, TRIV, TRIV.

6d 1h

Table with columns: TRIV, MIDA, TAR1, TAR2, RN12, CERA, CAR1, SPS2, VENT, POPI, LRP, MESA, GIUL, SERS, etc. Each row contains station name, frequency, and other parameters.

2018 APR

Table with columns: SERS, STON, TIR, SRN, A050A, etc. Each row contains station name, frequency, and other parameters.

352

Table with columns: FINES, CATAC, etc. Each row contains station name, frequency, and other parameters.

Table with columns: ORTC, Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other technical details for various radio stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other technical details for various radio stations, including a central section for '7C-3D Near coast of central Chile'.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other technical details for various radio stations, including a central section for 'ASCENSION HYDR87.85 T'.

6d 4h

Table with columns: BRTR, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Wattenberg, MOTA, ABTA, DAVA, TORD.

TAP 06 02:53:38.6, 23°74N, 122°57E, h37km, ML2.5, D
JMA 06 02:53:38.2, 0.2, 23°74N, 122°57E, h40km, MV1.9/12,
NEAR ISHIGAKIJIMA ISLAND

ISC 06 02:53:38.4, 1.6, 23°70N, 122°57E, h33km, 4km,
n35, c0579/59, Taiwan region

Main table listing station data for the 2018 APR event, including station names, coordinates, and seismic parameters.

IDC 06 03:00:19.3, 54.0, 20.81S, 178°22E, h0km, mb4.3/3,
mbtmp4.3/3, Error ellipse: s-maj=963.7km
s-min=137.0km az=82.0, South of Fiji Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like STKA, ASAR, WRA.

UCR 06 03:12:00.5, 1.1, 9.94N, 83°77W, h6km, MW3.5
CATAC 06 03:12:00.6, 0.2, 9.92N, 83°77W, h5km, 1km, ML2.7
ISC 06 03:12:00.8, 0.8, 9.94N, 02.83°76W, h0.02, h10km, 3km,
n63, c0660/104, 15C-16D, Costa Rica

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like VINA, PCAYA, RAFA, VTCV.

2018 APR

Main table listing station data for the 2018 APR event, including station names, coordinates, and seismic parameters.

IDC 06 03:44:02.0, 50.0, 18°22S, 172°71W, h0km, mb3.9/3,
mbtmp3.9/3, Error ellipse: s-maj=967.8km
s-min=179.3km az=82.0, Tonga Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like STKA, WRA, ASAR.

SDD 06 03:45:04.6, 2.1, 20°24N, 70°68W, h23km, 87km, MD3.2,
ML2.0, MW2.9
OSP 06 03:45:05.1, 1.6, 20°24N, 71°75W, h0km, 30km, ML1.7
ISC 06 03:45:05.3, 2.0, 20°20N, 04°70°56W, 0.06, h14km, 13km,
n8, c0594/16, 9C-1D, Dominican Republic region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like MADR, REDR.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like REDR, ABDR, SDDR, GRTK, HATOM, PODR.

DNK 06 03:49:39.4, 2.4, 51°47N, 15°97E, h15km, 219km, ML3.1
PRU 06 03:49:42.5, 51°38N, 16°19E, h0km
VIE 06 03:49:43.8, 2.0, 51°13N, 16°21E, h0km, mb2.5/5, ml2.4/6,
Error ellipse: s-maj=13.8km s-min=8.5km az=151.0,
Suspected Mining induced.

ISC 06 03:49:38.5, 0.8, 51°55N, 0°03, 16°23E, h0km, n30,
c1948/51, Poland

Main table listing station data for the 2018 APR event, including station names, coordinates, and seismic parameters.

IDC 06 04:16:52.6, 0.6, 15°11S, 75°46W, h0km, mb4.0/12,
mbtmp4.0/15, ML3.9/3, MS3.6/20, Error ellipse:
s-maj=28.2km s-min=13.3km az=58.0
NEIC 06 04:16:58.1, 1.9, 15°24S, 0°08, 75°6W, 0.1, h34km, 6km,
mb4.4/24, Error ellipse: s-maj=15.8km s-min=8.6km
az=57.0

VAO 06 04:16:59.1, 1.1, 15°13S, 75°35W, h41km, 7km, mb4.4
ISC 06 04:16:57.3, 0.5, 15°25S, 0°06, 75°55W, 0.07, h35km, n121,
c1513/99, mb4.3/20, MS3.6/15, Near coast of Peru

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like NNA, PB12, TA01, G001, PATCX, PB08, CZSB, PB25, PB11, LPZA, LPAZ, KBA, DEL.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like IPOC Station P, Limon Verde, and various other locations.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like KEST Kesra, H1N13 WAKE ISLAND, and various other locations.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ACHO3 Achatines, Los, PCRI3 Poci, Los San, and various other locations.

6d 6h

Table with columns: PDAR, NVAR, YKA, ASAR, WRA. Includes station names like Pinedale Array, Mira Array Bea, Yellowknife Ar, Alice Springs, Warrungama Arr and their respective coordinates and times.

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, Time, Res. Includes stations like BATI Baumata, PLAI Plampang, TWSI Taliwang, Sumb.

UCR 06 05:03:00.7-2.1, 6.96N-79.02W, h0km, 999km, MW4.6
IDD 06 05:03:11.0-1.8, 7.05N-79.82W, h0km, mb3.4/6,
mbtmp3.6/9, ML2.9/3, MS3.4/22. Error ellipse:
s-maj=53.1km s-min=19.1km az=23.0

UPA 06 05:03:11.6-2.3, 7.16N-79.90W, h0km, 8km, MW4.8
RSNC 06 05:03:13.3-0.0, 7.2N-2.8'0W, h0km, 3km, mb5.0, mb4.4,
ML2.9, Mw(m)6.4/3

ISC 06 05:03:11.9-0.6, 7.11N:0.03-79.86W:0.02, h10km, n104,
z=111/15, mb3.4/6, MS3.3/16, 2C, South of Panama

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, Time, Res. Includes stations like ACH03 Achatines, PCHR3 Pochi, TOSI3 Tonosi, AZU Azuero, etc.

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, Time, Res. Includes stations like ZANG Zanguenga, SAFE3 Santa Fe, UPA Univ. de Panam, etc.

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, Time, Res. Includes stations like GUAL3 Gualaca, LCO03 Loma Colorada, DVD David, etc.

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, Time, Res. Includes stations like DRK0 Durika, CBOC Ciudad Bolivar, SRBA San Rafael, etc.

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Table with columns: PAMC, MACC, CNMG, CRIN, SDV, SDV. Includes station names like Macarena, Copacabana, Negro, San Cristobal, Santo Domingo.

Table with columns: APG, ATAH, PCRV, CMIG, NNA, LPAZ, MDP. Includes station names like Apazole, Atahualpa, Puerto La Cruz, Matias Romero, Nana, La Paz, Montagnes Des.

Table with columns: TKL, SIV, TXAR, LPIG, ANMO, SADO, BDFB, CPUP, PFO. Includes station names like Tulecoche C, San Ignacio, Cajitas Array, La Paz, Albuquerque, Sadowa, Brazi, Villa Florida, Pinyon Flats.

Table with columns: PDAR, RPN, ULM, ELK, NVAR, YKA. Includes station names like Rapu Nui, Ulm, Elko, Minn Array Bea, Yellowknife Ar.

Table with columns: SFJD, RES, ILAR, NOA, ASAR, WRA. Includes station names like Garlertussuaq, Resolute Bay, Eielson Array, NORSAR Array B, Alice Springs, Warrungama Arr.

IDD 06 05:09:05.7-3.1, 2.40S-99.08E, h0km, mb3.8/7,
mbtmp3.8/7, Error ellipse: s-maj=136.6km s-min=20.4km
az=54.0

ISC 06 05:09:11.0-3.4, 2.45S-99.22E:0.8, h35km, n20, c=05/8,
mb3.8/7, Southern Sumatra

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, Time, Res. Includes stations like H0S22 Diego Garcia, H0S23 Diego Garcia, H0S21 Diego Garcia, etc.

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, Time, Res. Includes stations like ASAR Alice Springs, SONM Songoing Array, MKAR Makanchi Array, etc.

NEIC 06 05:19:34.9-0.7, 35.13N:0.02-96.21W:0.02, h5km, 2km,
Error ellipse: s-maj=3.2km s-min=3.0km az=222.0

TUL 06 05:19:34.7-0.8, 35.11N:0.02-96.20W:0.02, h3km, 5km,
ML2.5, mb\_Lg2.2/25(NEIC), ML2.4/26(NEIC), Error
ellipse: s-maj=2.3km s-min=2.1km az=152.0, Oklahoma

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, Time, Res. Includes stations like W35A Tecumseh, W35A, X37A Clayton, etc.

Table with columns: T35A, Z35A, U38A, KAN13, MIAR, S39A, ABTX, DKNS, P38A, P40A. Includes station names like Perchaven, San, Gravette, South Haven Sw, Mount Ida, Bolivar, Abilene, Hawle, Dickens, Dawn, Paris Springs.

IDD 06 05:45:35.2-2.0, 2.1'62N:143.25E, h273km, 18km,
mb3.3/10, mbtmp4.0/11, Error ellipse: s-maj=24.4km,
s-min=13.4km az=91.0

ISC 06 05:45:32.7-1.0, 2.153N:143.3E:0.3, h250km, n11,
z=116/12, mb3.4/10, Mariana Islands region

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, Time, Res. Includes stations like JCJ Chichijima, WRA Warrungama Arr, ASAR Alice Springs, ZALV Zalesovo Beam, MKAR Makanchi Array, etc.

Table with columns: YKA, ARCES, FINES. Includes station names like Yellowknife Ar, Arces Array B, FINESS Array B.

NEIC 06 05:58:40.1-1.9, 51.49N:0.05-178.35W:0.02, h13km, 7km,
mb3.6/11, ML3.5(AEIC), Error ellipse: s-maj=7.6km
s-min=2.1km az=181.0

AEIC 06 05:58:40.8-2.3, 51.83N:0.06-178.37W:0.02, h10km, 2km,
Error ellipse: s-maj=9.1km s-min=2.0km az=181.0,
Andros Island

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, Time, Res. Includes stations like GAEA Gareloi Lava, GAEA, GALAA Gareloi Lava P, TASE Tanager, etc.

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, Time, Res. Includes stations like ADK Adak, ADK Adak, CEPE Semis' Perret, etc.

SCB 06 06:01:09.8-1.0, 17.68S:69.33W, h158km, 11km, ML3.2/3,
MW3.2, Error ellipse: s-maj=10.5km s-min=6.0km az=2.0

IDD 06 06:01:10.9-1.2, 17.61S:69.30W, h147km, 10km, mb3.7/7,
mbtmp4.1/10, Error ellipse: s-maj=20.4km s-min=14.3km

VAO 06 06:01:12.0-2.0, 17.72S:68.98W, h127km, 6km, mb4.1

ISC 06 06:01:10.7-0.6, 17.73S:0.05-69.22W:0.07, h15km, n39,
z=194/45, mb3.9/6, 1C, Peru-Bolivia border region

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, Time, Res. Includes stations like PB16 IPOC Station P, SKT Skwentna, KTH Kantishna Hill, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like POC Station P, SOET ToroToro, PB01 IPOC Station P, etc.

CRAAG 06:06:54.47.6, 36.83N, 3.54E, M13.6, Algeria 07km NW Zemmouri

LDG 06:06:54.49.0.2, 36.78N, 3.51E, h10km, M13.2/11, Error ellipse: s-maj=9999.9km s-min=9999.9km az=99.0

MDD 06:06:54.52.4.0.7, 36.92N, 3.56E, h28km, Mb4.3/17, M\_b3.7/18, Error ellipse: s-maj=6.4km s-min=3.8km az=129.0

ISC 06:06:54.47.8.0.8, 36.97N, 0.004, 3.59E, h12km, m6.4, c215/90, 15C, Northern Algeria

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like AKED El Kharrouba, ABA Alger-Bouzarea, ATBK Takbest, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like MTLF Montolieu, EPF Esparrros, ETSF Etsaut, etc.

ISC 06:07:22.34.5.923.0, 48.46N, 49.52E, h0km, Error ellipse: s-maj=299.7km s-min=129.3km az=70.0, Western Kazakhstan

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like I31KZ AKTYUBINSK INF, I46RU ZALGOVO INFRAS, etc.

ISC 06:07:38.41.0.5.7, 23.07S, 179.86W, h523km, 65km, mb2.8/6, mbmp3.7/7, Error ellipse: s-maj=35.9km s-min=25.6km az=8.0

ISC 06:07:38.42.5.0.9, 23.22S, 0.1x1-179.9W, 0.2, h543km, n10, c097/10, mb3.3/G, South of Fiji Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like URZ Urewera, ASAR Alice Springs, WRA Warramunga Arr, etc.

BUI 06:07:46:50.6:0.0, 1.97S, 138.88E, h10km, mb5.1/82, mb5.4/75, Ms5.5/88, Ms7.5/3/82

IPGP 06:07:46:58.0, 1.45S, 138.18E, h13km, Mw5.6, Fault plane solution: NP1: phi=282.00000, delta=0.00000, lambda=102.00000

NEIC 06:07:46:58.9, 1.45S, 138.18E, h10km, 1km, mb5.6/138, Ms 2.0/968, Mw5.6/31, Error ellipse: s-maj=12.7km s-min=9.6km az=188.0

NEIC 06:07:46:58.9, 1.45S, 138.18E, h18km, Moment Tensor Solution. Duration: 2.9 Moment tensor: Scale 10^17Nm; M2: 0.1; M3: -0.1; M4: -0.1; M5: -0.1; M6: -0.1; M7: -0.1; M8: -0.1; M9: -0.1; M10: -0.1

MOS 06:07:47:00.9:0.9, 1.46S, 138.11E, h42km, mb5.5/66, KAP1 MS2.2/17, Error ellipse: s-maj=8.7km s-min=4.3km az=110.4

ISC 06:07:47:02.5:2.6, 1.44S, 138.20E, h38km, 21km, mb5.0/24, mbmp5.3/29, ML4.6/2, MS5.1/54, Error ellipse: s-maj=15.8km s-min=8.6km az=81.0

DJA 06:07:47:03.0:0.2, 1.2S, 13.8E, h50km, 2km, Ms5.1/10, mb5.7/110, mb6.0/91, MLV5.8/87, Mw5.6/87, Mw(mb)5.6/91, Mw(mb)5.4/46, Mw5.6/46

GCMT 06:07:47:07.9:0.1, 1.31S, 138.30E, h14km, Mw5.7/165, Moment Tensor Solution. s148,c259, s165,c354; Duration: 1.57 Moment tensor: Scale 10^17Nm; M2: 2.8; M3: 0.0; M4: 0.0; M5: 0.2; M6: 0.2; M7: 0.3; M8: 0.3; M9: 0.2; M10: 0.2; M11: 0.2; M12: 0.2; M13: 0.2; M14: 0.2; M15: 0.2; M16: 0.2; M17: 0.2; M18: 0.2; M19: 0.2; M20: 0.2

ISC 06:07:47:00.5:0.4, 1.49S, 0.03, 138.27E, h0km, h27km, 2km, h27km, P-P, N1506, c1939/1140, mb5.5/197, MS5.5/554, 32C-9D, Near north coast of Irian Jaya

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like GENI Genyem, JAY Jayapura, TABU Tabubil, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like SAUI Saumlaki, LBMI Labuha, TNTI Ternate, etc.









Table listing various river gauging stations such as E18K Tukpahleark C, G18K Tagagawik, WBK Wadi Bani Khal, L19K White Mountain, ILSW Ilimna Souw, M19K Big River Lodg, M19K Big River Lodg, GCSA Galena City Sc, C20K Slope Mountain, O18K Utukok River, J19K Poorman, WSAR Wadi Sarin, B18K Kokolik River, L20K Farewell AK, H19K Roundabout M14, HOM Homer, G19K Purcell Moun, M20K Styx River, M20K Styx River, F19K Shalercukik Mo, TAOE Nuku Hiva Isla, TAOE Nuku Hiva Isla, TAOE comp-Z,148nm,23.5s, JMDJ Jabal Madar, K20K Telida, K20K Telida, MHTO MUHTO, CNPM China Poot, CNPM comp-Z,115nm,1.4s, BIDO Bidbid, N20K Mount Spurr, SMDK Samad, J20K Nowinta River, C19K Art, C19K Lookout Ridge, DQM DQM, BRSE Bradley Lake S, A19K Wainwright, I20K Naahdeneel, E19K Redstone River, CAPN Captain Cook N, H20K Anotlenega Mo, D19K Kuna River, JASK Jask - Hormozg, SKT Skwentna, SKT Skwentna, PPLA Purkeypyle, F20K Avaraart Lake, F20K Avaraart Lake, HOQ Hoqain, SUA Susitna One, BSY Bisya, CAST Castle Rocks, CAST Castle Rocks, CHUM Lake Minchumir, FIS Fire Island, RER Riviere de l'E, O22K Cooper Landing, E20K Nigu River, SEW Sevard, D20K Etwuk River, RC01 Rabbit Creek A, RC01 Rabbit Creek A, M22K Willow, H21K Melozitna Rive, H21K Melozitna Rive, CUT Chullitna, CUT Chullitna, G21K Allakaket, KTH Kamtishna Hill, KTH Meade River, I21K Tanana, ARQ Araqi, BPAW Bear Paw Mtn, BPAW Bear Paw Mtn, SOHO SOHO, F21K Alathna River, MAW Mawson, MAW Mawson, PMR Palmer, PMR Palmer, PMR comp-Z,23nm,0.6s

Table listing various river gauging stations such as PMR Palmer, PMR Palmer, PMR Thorfare Moun, GEYT Alibeck, GEYT Alibeck, GEYT Alibeck, GEYT Alibeck, GYA0B ALIBECK ARRAY, GYA0B Glory Hole Cre, GHO GHO, C21K Knifeblade Rid, E21K Killik River, KNK Knik Glacier, KNK Knik Glacier, MDH Madha, MLY Manley, H22K Ishtalitha Cre, UOSS Minazif, UOSS Minazif, UOSS Minazif, SHAO Shalim, HATD Hatta, Dubai, HATD Hatta, Dubai, P23K Montague Islan, MSFE Esma-Masafi, MASF Masafi, AB31 Akbulak array, ABKAR Akbulak array, SML Sawmill, ASHO Ashiyah, ASHO Ashiyah, B21K Kpkpkp River, SHME Shamm, SHME Shamm, A21K Barrow, F22K John River, WAT1 Susitna Watana, G22K Bettles, ALNE Al Ain, ALNE Al Ain, MCK McKinley, M23K Glacier View, GLI Glacier Island, GLI Glacier Island, Q23K Middleton Isla, NAZ Nazwa, Dubai, D22K Ayikyak River, NEA2 Nenana, UMQ Umm Al-Quwain, FAO Al Faqa, Dubai, SCM Sheep Creek Mo, SCM Sheep Creek Mo, SCM Sheep Creek Mo, A22K Sinclair Lake, WAT6 Susitna Watana, E22K Anaktuvuk Pass, I23K Minto, Yukon-K, I23K comp-Z,39nm,1.1s, I23K comp-Z,2um,20.0s, HIN Hinchinbrook I, HIN Yukon River, ASUD Al Ashush, Dub, ASUD Al Ashush, Dub, G23K Bananza Creek, UMZA Um Al Zomool, B22K Teshkekul Lake, DHY Denali Highway, DHY Denali Highway, DHY Denali Highway, COLD Coldfoot, MDM Murphy Dome, EYAK Cordova Ski Ar, EYAK Cordova Ski Ar, SVE Sverdiolovsk, SVE Sverdiolovsk, SVE Sverdiolovsk, AJN Aijan, COLA College, COLA College, COLA College, COLA College, KLU Klutina, KLU Klutina, M24K Tolsona, Glenn, D23K Nanushuk River, E23K Chandalar, POKR Poker Plat Res, POKR Poker Plat Res, RBK Rabkuk

Table listing various river gauging stations such as H24K Noodor Dome, HDA Harding Lake, RAGM Ragged Mountain, IL31 Eielson Array, ILAR Eielson Array, ILAR Eielson Array, ILAR comp-Z,15nm,1.0s, ILAR comp-Z,0.4nm,0.8s, ILAR comp-Z,0.7nm,0.9s, DOK Doka, AKTO Aktubinsk, AKTO Aktubinsk, KAIM Kaitvik Island, TOLK Toolik Lake Re, C23K Itkilik River, BMRM Bremner River, PAX Paxson, HMT Hamilton, HARP HAARP, K24K Doozweynic Dome, G24K Hadweenic Riv, G24K Hadweenic Riv, N25K Chitina, Valde, N25K Chitina, Valde, WHFO Wadi Waf, F24K Squaw Lake, SUCK Suckling Hills, D24K Happy Valley, BERG Berg Lake, MZWR Madinat Zayed, J25K Salcha River, J25K Salcha River, BGLC Bering Glacier, GLB Gilahina Butte, ARU Arti, ARU Arti, ARU Arti, ARU Arti, ARU comp-Z,24nm,0.9s, RIDG Independent Ri, RIDG Independent Ri, C24K Franklin Bluff, ABTO Aybut, PRP Porcupine Dome, VRDI Verde Repeater, H25L Birch Creek, G25K Bearman Lake, CRQM Cirque, CROE Cirque, SNH Sunshine Point, WAX Waxed, MENT Mentasta, MENT Mentasta, TGL Tana Glacier, MCARA McCarthy VSAT, MCARA McCarthy VSAT, SCRK Sand Creek, SCRK Sand Creek, L26K Log Cabin Wild, ISLE Juniper Island, F25K Christian River, M26K Nabesna, AK, M26K Nabesna, AK, MESA MESA, E25K Arctic Village, D25K Kavik River, J26L Joseph Creek, J26L Joseph Creek, GHWR Ruwais, BARN Barnard Glacie, M27K Edge Creek, AK, M27K Edge Creek, AK, M27K Edge Creek, AK, CTG Chitna Glacier, CTGM Chitina Glacier, CTGM Chitina Glacier, CTGM Table Mountain, CTGM Table Mountain, G26K Porcupine Rive, F26K Sheenjek River, L27K Beaver Creek, L27K Beaver Creek, BCAR Beaver Creek A, L27K Beaver Creek, K27K Chicken, C26K Camden Bay, BVCY Beaver Creek

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like O28M Mount Upton, YUK3 Moose Creek, I27K Kandik River, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like G31M Satah River, CRAG Craig, CRAG Cra, FARO Faro, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like K02D Willamette Mer, APA Apatty, G03D Nicholas, etc.

Table with columns: Station, Name, Time, Frequency, and other details. Includes stations like F10A Beach Ranch, RYAN Ryan, BMO Blue Mountains, LHV Little Huntton, TROLL Troll, Antarti, NVAR Mina Array, NVAR Mina Array, KVN Kaiserville, NV11 Mina Array, FINES FINESS Array, CWC Cottonwood Cre, PASC Pasadena Art C, CCAC Calif City Air, EDM Edmonton, PLID Pearl Lake, BQRA Keskin Array, 03R Carvers, GRAC Grapewine Rang, MFID Camas Ranch, ELS Elsinore Mount, SNAA Snaae, QSM Queen of Sheba, MNK Minsk, AKASG Malin Array, AKBB Malin Array, KIEV Kiev, TJX Tijuana, BAR Barrett, CBX Cerro Bola, PFO Pinyon Flats, HLID Hailey, TKX Tecate, R11B Troy Canyon, CCX Cicese, PMD Palm Desert, DAG Danmarks Havn, Q12A Willow Creek, YUH Yuha Desert, ESJX Sierra Juarez, VTX Valle De La Tr, SPR3 Spring Creek, UABX UABX, PABE Paberze, PSUT Pine Spring, GLA Glamis, BOZ Bozeman, BOZ Bozeman, BGU Big Grassy Moun, HVU Hansel Valley, BLYC Blythe, PDMCI Parker Dam, DUG Dugway, DUG Dugway, SPUT South Promont, W13A Hualapai Mount, EGMT Eagleton, 113A Mohawk Valley, FXWY Fox Creek, TCRU Three Creeks, NLU North Lily Mtn, HWUT Hardware Ranch, TPAW Teton Pass, CTU Camp Tracy, AHID Auburn Hatcher, SNOW Snow King Moun, LOHW Long Hollow, MTPU Mount Pierson, YMP Mirror Lake, MPU Maple Canyon, Y14A Wickenburg, U15A North Rim, RLMT Red Lodge, RLMT Red Lodge, 214A Organ Pipe Nat.

Table with columns: Station, Name, Time, Frequency, and other details. Includes stations like BSUT Blindstream Ca, Q16A Castle Valley, R17A Butcher Ranch, BW06 Boulder Array, PDAR Pinedale Array, PDAR San Rafael Sive, SRU Wupatzki, WUJAZ Wupatzki, HMU Henry Mountain, P18A Preston Nutter, KWP Kalwaria Pacla, X16A Lo Mia Camp, HFS Hagfors, FRIC Santa Rosalia, SFGC Santa Rosa, LAO LASA Array, LAO LASA Array, TUC Tucson, X18A Snowflake, HSG Snowflake, MVCO Mesa Verde, MVCO Mesa Verde, BOSA Boshof, K12A Douglas, SMCO Snowmass, OKC Ostrava-Krasne, YYHS Wynne, N23A Red Feather, MORC Moravsky Berou, RSSD Black Hills, RGN Rugen, ISCO Idaho Springs, ISCO Idaho Springs, KRLC Kraikly, 121A Cooke Peak, 121A Cooke Peak, OSTC Ostas, DPC Dobruska-Polom, CHVC Chvalec, UPC Upice, Y22D IRIS PASCALL, ANMA Divide, Q20O Albuquerque, SDCO Great Sand Dun, SDCO Great Sand Dun, BRIGG Briggsdale, TREC Trest, PVCC Panska Ves, E28A Huff, GOPC GO Pecny, EPT El Paso, PRU Pruhonice, RICC Richard, PRA Prague, T25A Trinidad, T25A Trinidad, HSKC Hora Svate Kat, CKRC Cesky Krumlov, MNTX Cornudas Mount, OGNF Ogallala, OGNF Ogallala, KHGK Kasperse Hory, KHC KHC, GERES GERESS Array, GERES GERESS Array, KSCO Kaye Shedlock, KSCO Kaye Shedlock, NKC Novy Kostel, ULM Lac du Bonnet, ULM Lac du Bonnet, HPIG HPIG, SUSD Miller, SUSD Miller, AGMM Agassiz Nation, LESA Schwarzelote, MSTX Muleshoe, TXAR Lajitas Array, TXAR Red Lodge, F33A 5 Mile Ranch.

Table with columns: Station, Name, Time, Frequency, and other details. Includes stations like WTTA Wattenberg, AMTX Amarillo, MOTA Mossalm, BGNE Belgrade, ECSD EROS Data Cent, FETA Feichten, PAOL Paolis, TEOL Teolo, DAVA Damsus, R32A Long Quarter, DAVOX Davos/Dischmat, CEXS Caves, OK03E E020 Rd and N, EYMN Ely, OK03H West end E037, OSSC Ossawatimie P, OK032 Salt Plains WL, ZAIG Zatecas, ABTX Abilene, Hawle, ABTX Abilene, Hawle, SPMS Marine on St., WMOK Wichita Mount, WMOK Wichita Mount, CROK Carrier, N35A Tabor, KSUI Kansas State U, I37A Leonard, Waseeca, MSSA Maissana, JCT Junction City, OK029 Liberty Lake, OK048 Pawnee Station, OK051 E030 and S346, OK033 Mehan, T35A Sooner Cattle, OK052 Battle Ridge R, FW03 Perrin White E, K38A Parkersburg, SCIA State Center, W35A Tecumseh, 833A Chaparral WMA, 833A Chaparral WMA, FW07 Weatherford, LOOK Love Farm, Z35A Perchaven, San, N38A Joes Suth, TUL3 Leonard, TUL3 Leonard, WHTX Lake Whitney, WHTX Lake Whitney, P38A Dawn, 435B Jarrell, 435B Jarrell, L40A Anamosa, JFW5 Jewell Farm, U38A Gravette, E43A Lone Tree Farm, S39A Bolivar, P40A Paris, HHAR Hobbs, 237A Washetta, Mont, N41A Harden Midland, L42A Oliver, Polo, HKT Hookley, MIAR Mount Ida, NATX Nacogdoches, NATX Nacogdoches, CCM Cathedral Cave, CCM Cathedral Cave, E46A Sault Ste Marie, HDIL Hopedale, L44A Lake County Fo, L44A Lake County Fo, FCAR Ozark Folk Cen, X40A Basin Creek Fa, FVH French Village, GLMI Grayling, Z41A Richland Creek, LCAR Lake Charles, PBMO Poplar Bluff, 441A DeRidder.

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Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like CGM3 Cape Girardeau, HBAR Harrisburg, S44A Carbonate, SIUC Southern Illin, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like 154A Montrose, PLCA Paso Flores, PLCA Paso Flores, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like BSCB Bom Sucesso, PDRB Porto dos Gac, BDFB Brasilia, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, I, S, C. Includes stations like HEF, TOF, OUL, etc.

IDC 06 09:08:32.6:1.0, 29.48N:83.91E, h0km, mb3.7/13, mbmp3.7/15, ML3.0(AEIC), Error ellipse: s-maj=33.6km s-min=18.8km az=54.0

ISC 06 09:08:37.9:1.0, 29.5N:83.9E:0.2, h35km, n16, g5611/16, mb3.5/13, Nepal

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, I, S, C. Includes stations like MKAR, CMAR, KURBB, etc.

IDC 06 09:10:58.0:3.3, 54.22N:87.47E, h0km, m-12km, ML2.8/2, Error ellipse: s-maj=28.8km s-min=29.8km az=45.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, I, S, C. Includes stations like I46RU, ZALV, etc.

IDC 06 09:18:59.1:4.6, 23.88S:179.54W, h467km, 37km, mb3.1/3, mbmp3.9/3, Error ellipse: s-maj=186.2km s-min=29.5km az=161.0, South of Fiji Islands

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

AEIC 06 09:23:28.9:1.2, 56.139N:0.09:148.73W:0.10, h8km, 7km, Error ellipse: s-maj=13.2km s-min=7.8km az=186.0

NEIC 06 09:23:26.6:1.1, 56.56N:0.1:148.7W:0.1, h21km, 10km, ML3.3/62, ML3.0(AEIC), Error ellipse: s-maj=15.0km s-min=8.2km az=168.0, Gulf of Alaska

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

Table with columns: P19K, Oil Pt, 4.01 325, Pn, 09 24 27.9 +1.1, etc. Includes stations like P19K, O22K, H2K, etc.

NEIC 06 09:24:16.8:1.5, 56.42N:0.08:148.7W:0.1, h21km, 9km, ML2.8/64, ML3.0(AEIC), Error ellipse: s-maj=12.4km s-min=8.3km az=168.0

AEIC 06 09:24:19.5:1.6, 56.40N:0.08:148.6W:0.1, h6km, 7km, Error ellipse: s-maj=12.0km s-min=8.4km az=166.0

ISC 06 09:24:14.7:1.7, 56.42N:0.10:148.72W:0.06, h10km, n125, r127/133, Gulf of Alaska

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

Table with columns: N1CHA, Nichawak Mount, 4.57 31, Pn, 09 25 24.4 +0.5, etc. Includes stations like N1CHA, HMT, RSO, etc.

IDC 06 09:30:40.4:1.7, 13.20N:91.46W, h0km, mb3.7/9, mbmp3.7/13, ML3.2/4, Error ellipse: s-maj=45.5km s-min=23.5km az=33.0

GCG 06 09:30:44.2:1.6, 13.30N:91.63W, h10km, 24km, MD3.9, SNET 06 09:30:47.3:0.9, 13.44N:91.45W, h14km, 15km, ML3.8

ISC 06 09:30:42.8:3.2, 13.20N:91.55W:0.05, h15km, 20km, n137, r138/48, mb3.8/9, Near coast of Guatemala

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, I, S, C. Includes stations like SULK, RTAL, etc.

Table listing seismic stations with columns for station name, location, coordinates, and physical data (eS, S, P, etc.).

Table with header 'Code Station Name' and columns for station details, including phase and time/residuals.

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Table listing seismic stations with columns for station name, location, coordinates, and physical data.

Table with header 'Code Station Name' and columns for station details, including phase and time/residuals.

Table with header 'Code Station Name' and columns for station details, including phase and time/residuals.

Table with header 'Code Station Name' and columns for station details, including phase and time/residuals.





6d 11h

Table of astronomical observations for the first 11 hours of the 6-day period. Includes columns for station name, time, and magnitude. Key entries include Zamans, Ifrane, Braganca, Nquesada, Calabar, Berja, Guadarrama, and others.

Table of astronomical observations for the next 11 hours (11:32-22:42). Includes columns for station name, time, and magnitude. Key entries include Lannavaara, Kolar, Kalix, Hetta, Torno, and others.

Table of astronomical observations for the next 11 hours (22:47-33:57). Includes columns for station name, time, and magnitude. Key entries include Santo Antonio, Manacapuru-AM, Santa Esteban, Curaca, and others.

Table of astronomical observations for the next 11 hours (34:02-45:12). Includes columns for station name, time, and magnitude. Key entries include Iera Moni Meta, lera Moni Meta, Gavdhos, Gavdhos, Chania, and others.

Table of astronomical observations for the next 11 hours (45:17-56:27). Includes columns for station name, time, and magnitude. Key entries include Keskin Array B, GNI, HFS, and others.

Table of astronomical observations for the next 11 hours (56:32-67:42). Includes columns for station name, time, and magnitude. Key entries include Tooma soojaaam, ARBE, ARBE, and others.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KAF, RAF, SUF, KPF, JOF, HFS, NOA, ARCES.

OSPL 06 11:37:56.0±0.5, 19°13'N, 70°47'W, h57km, 14km, ML1.8
SDD 06 11:37:57.9±0.2, 18°87'N, 70°87'W, h85km, 13km, MD2.6,
ML2.0, MW2.5

ISC 06 11:37:59.0±1.7, 18°98'N, 07°70'47'W, h0.05, h69km, 14km,
n9, s147/18, 5C-9D, Dominican Republic region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ABRD, SDDR, REDR, BANI, PODR, MCDR, HATM, MIDR, WRA, ASAR, MKAR, KURBB.

IDC 06 11:54:14.4±2.0, 4°80'N, 124°90'E, h0km, mb3.4/4,
mbtmp3.4/4, Error ellipse: s-maj=219.7km
s-min=23.4km az=65.0, Celebes Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA, ASAR, MKAR, KURBB.

SJA 06 12:15:22.7±0.7, 24°08'S, 66°80'W, h208km, 4km, ML3.7,
MW3.6
GUC 06 12:15:24.6±0.5, 24°07'S, 67°26'W, h244km, 12km, ML3.8
SCB 06 12:15:50.6±1.1, 21°17'S, 67°28'W, h198km, 28km, ML3.2/1,
Error ellipse: s-maj=18.4km s-min=13.1km az=0.0

ISC 06 12:15:22.2±2.2, 24°02'S, 00°06'66°91'W, 0.05,
h224km, 18km, n39, s195/59, Salta Province

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SLA, YVA, LVC, PB15, GO02, PB06, PB06, MOCB, PB09, PB09, PB05, PB05, PB04, PB04, AC02, PB07.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PB07, PB01, PB02, PATCX, PB08, PB08, GO01, GO01, PB11, AACL, SOET, PB16, BBOE, BBOD, LPAZ, KRM1, ZRDN, KHGB, CHNM, NGRK, IBAF, KRAM, IKOO, TPRV, IMEH, NHDN, ITEG, TKDS, IDAH, AFRZ, ZHDN, GENO, ANAR, IRAM, IZEF, SHME, TBJM, MDH, ISFB, GABZ, UOSS, ASHO, IKRD, ASUD, IMRV, DAMAV, SOHO, GEYT, GEYT, WSAR, WSAR, BRTR, BELG, BVAR, ZALV, TORD, WRA.

TEH 06 12:20:21.6, 30°69'N, 57°34'E, h7km, 37km, ML3.3
IDC 06 12:20:22.9±1.2, 20°63'N, 57°22'E, h0km, mb3.6/5,
mbtmp3.6/7, ML3.5/2, MS2.6/2, Error ellipse: s-maj=28.6km
s-min=22.5km az=93.0

ISC 06 12:20:24.0±0.6, 30°74'N, 00°47'33'E, 0.04, h15km, n39,
s236/37, mb3.7/5, Northern and central Iran

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KRM1, ZRDN, KHGB, CHNM, NGRK, IBAF, KRAM, IKOO, TPRV, IMEH, NHDN, ITEG, TKDS, IDAH, AFRZ, ZHDN, GENO, ANAR, IRAM, IZEF, SHME, TBJM, MDH, ISFB, GABZ, UOSS, ASHO, IKRD, ASUD, IMRV, DAMAV, SOHO, GEYT, GEYT, WSAR, WSAR, BRTR, BELG, BVAR, ZALV, TORD, WRA.

IDC 06 12:20:53.4±7.4, 1°53'S, 89°34'W, h0km, mb3.4/5,
mbtmp3.4/5, MS3.2/10, Error ellipse: s-maj=245.8km
s-min=13.9km az=48.0

IGQ 06 12:21:00.6±0.0, 0°8'S, 1°09'11'W, 1.0, h0km
ISC 06 12:21:00.2±1.2, 0°8'S, 0°09'91'10'W, 0.08, h6km, 7km, n24,
s115/10, mb3.6/5, MS3.4/8, Galapagos Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VCH1, PVIL, CEAZ, FER2, PAYG, ALCE, JTS, MATIAS, TEIG, LVC, RPN, TXAR, TXAR, H03N2, H03N1, H03N3, ANMO, MDP, PLCA, NVAR.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PDAR, NEW, YKA, ILAR.

ASRS 06 12:21:32.4±0.5, 50°N, 2°8'8'E, h10km, MLh3.0/11, Error
ellipse: s-maj=5.0km s-min=3.1km az=155.3, confirmed
NMC 06 12:21:35.4±3.9, 49°80'N, 88°05'E, h0km, mb3.8, mpv3.4,
Error ellipse: s-maj=31.9km s-min=22.0km az=61.0

ISC 06 12:21:32.6±1.3, 49°86'N, 0°05'88'20'E, 0.04, h9km, 10km,
n16, s233/31, 9C-7U, Tuva-Buryatia-Mongolia border
region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CUR, DGZ, AKAR, CHBI, ULGR, TEL, ELDR, YALR, ARTR, UKR, TADR, DJO, MK08, MK08, MAKZ, MAKZ, KURK, KURK, KURK, KURBB, KURBB, KURBB.

HEL 06 12:22:18.8±0.4, 67°20'N, 20°44'E, h0km, ML0.9,
Suspected explosion, Sweden

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LANU, PAJU, KLF, KLF, HEF, TOF, TOF, RNF, RNF.

HEL 06 12:22:19.7±0.2, 68°21'N, 33°10'E, h0km, ML1.3,
Explosion, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LVZ, VRF, VRF, VRF, RAUF, RAUF, RAUF, KMN, KMN, KMN, KEV, ARAO, ARAO, ARAO, ARAO, HEF, KTK1, OUL, KIF.

IDC 06 12:36:40±11.0, 19°21'S, 176°70'W, h323km, 96km,
mb2.8/4, mbtmp3.6/5, Error ellipse: s-maj=147.1km
s-min=29.4km az=146.0, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DZM, WRA, WRA, ASAR, ASAR, NVAR, ILAR.

NEIC 06 12:43:22±1.0, 9, 16°84'S, 0°05'35'3E, 0.1, h10km, 1km,
mb4.1/8, Error ellipse: s-maj=17.9km s-min=8.0km
az=94.0

BU 06 12:43:30.4±2.1, 17°01'S, 35°04'E, h10km, MD4.5
EAF 06 12:43:30.7±2.2, 17°01'S, 35°03'E, h10km, MD4.0
ISC 06 12:43:21.9±0.8, 16°39'S, 0°06'35'03'E, 0.05, h10km, n32,
s298/29, Malawi

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CHIPN, CHIPINGE.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Op, ISC, h, m, s, ISC, Time, Res. Rows include CHIPN, KRI, LSZ, MATP, MUSN, MOPA, MOWA, KASANE, etc.

NEIC 06 12:55:52.4, 1.0, 56.4S, 0.1, 26.61W, 0.1, 0, h64km, 9km, mb4.5/25, Error ellipse: s-maj=21.6km s-min=5.1km az=196.0

IDC 06 12:55:53.9, 9.2, 56.39S, 26.42W, h73km, 82km, mb3.9/5, mbmp4.0/6, ML3.3/1, MS3.3/3, Error ellipse: s-maj=37.7km s-min=23.2km az=72.0

ISC 06 12:55:51.5, 0.6, 56.3S, 0.1, 26.7W, 0.1, h50km, n48, c184R, 0, mb4.0/6, MS3.2/3, 5C, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Op, ISC, h, m, s, ISC, Time, Res. Rows include HOPE, VNA1, VNA3, SNA3, TROLL, BELA, PLCA, GSPA, MT02, CO01, CO06, SUR, AC05, AC04, AC02, LVC, PB05, VNA, VNA, PB07, PB01, PTLB, PB08, HO102, HO103, GO01, PB11, HO101, HO103, HO102, PB16, LPAZ, LPAZ, SAML, MCRA, TORO, TEIG, MTE, ASAR.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Op, ISC, h, m, s, ISC, Time, Res. Rows include YKA, SONM, ILAR, IDC 06 12:57:34.5, 38.0, 55.21S, 141.00W, h0km, mb3.9/3, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Op, ISC, h, m, s, ISC, Time, Res. Rows include URZ, RAR, PPT, HO3S2, HO3S1, HO3S3, HO3N3, HO3N2, HO3N1, MAW, ASAR, HO1W1, HO1W2, HO1W3, WRA.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Op, ISC, h, m, s, ISC, Time, Res. Rows include BATI, WRA, WRA, ASAR, ASAR, MKAR, IDC 06 13:30:10.3, 0.6, 62.62S, 158.73W, h0km, mb4.4/8, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Op, ISC, h, m, s, ISC, Time, Res. Rows include SBA, VNA, VNA, VNA, RPZ, GSPA, GSPA, URZ, RAO, BELA, CASY, PMSA, RAR, TOO, NIUE, VNA3, SNA3, SNA3, SNA3, SNA3, TROLL, PPT, VNA2, MAW, DZM, ORCZ, RPN, STKA, STKA, STKA, KOUNC, EIDS.

Table with columns: EIDS, Station Name, Az, Az', Phase, ID, Op, ISC, h, m, s, ISC, Time, Res. Rows include EFI, BBOO, PLCA, PLCA, HOPE, FORF, HO3S2, HO3S1, HO3S3, HO3N3, HO3N2, HO3N1, CTAO, CTAO, HO1W1, HO1W2, HO1W3, NWAO, ASAR, ASAR, ASAR, ASAR, AS31, HNR, WRR, WRO, WB2, WB2, WRA, WRA, WRA, WRAB, WRAB, WBO, WBO, PMG, AC02, AC02, AC02, MTN, LVC, CPUP, CPUP, BATI, NNA, LPAZ, LPAZ, LPAZ, ATAH, SBF, SUR, LEM, GUM, BOSO, DAV, ROSC, JTS, LPTB, APG, CMIG, SDV, TEIG, ILAR, TORO, YKA, MKAR, GALT, KURBB, ESCD, BVAR, NRK, NRK.

IDC 06 13:45:56.2, 2.0, 57.1S, 142.29E, h0km, mb3.6/2, mbmp3.0/4, ML3.7/2, MS3.2/1, Error ellipse: s-maj=105.8km s-min=22.2km az=108.0, New Guinea

Table with columns: Code, Station Name, Az, Az', Phase, ID, Op, ISC, h, m, s, ISC, Time, Res. Rows include WRA, WRA, WRA, ASAR, ASAR, ASAR, DAV, BVAR, ILAR.

0.2nm,0.7s,baz=264,slow=3.6,SNR=2.1  
0.2nm,0.7s

IDC 06 13:54:51.4, 1.7, 3.23S, 139.44E, h0km, mb3.7/3,  
mbmp3.8/4, ML3.9/1, Error ellipse: s-maj=89.8km  
s-min=29.0km, az=100.0  
DJA 06 13:54:58.1, 0.4, 4.3S, 0.4x13.9E, h10km, M3.8, 5, mb4.0/5,  
MLV3.7/3

ISC 06 13:54:58.1, 1.0, 3.8S, 0.1x139.44E, 0.1, h50km, n7, az=62/8,  
Irian Jaya

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include GENI, JAYI, WRA, ASAR, BVAR, ILAR.

IDC 06 14:04:31.2, 6.5, 6.41S, 147.42E, h86km, 46km, mb3.7/2,  
mbmp3.9/4, ML4.0/1, MS3.8/3, Error ellipse: s-maj=56.8km  
s-min=46.3km, az=56.0

ISC 06 14:04:32.8, 2.2, 6.5S, 0.1x147.3E, 0.3, h100km, n19,  
az=97/16, Eastern New Guinea region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include PMG, MTSU, QIS, WRA, QLP, ASO1, ASAR, INKA, OOD, LCRK, WFRKA, MULG, HTT, MEEK, ASAJ, KLR, YAK, QSPA, TORD.

IDC 06 14:06:00.1, 1.8, 32.59N, 109.41E, h0km, mb3.5/4,  
mbmt3.5/4, MS3.7/1, Error ellipse: s-maj=211.4km  
s-min=22.4km, az=55.0, Southeastern China

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MKAR, ZALV, PALK, WRA, ASAR.

IDC 06 14:18:26.2, 3.1, 15.89S, 167.83E, h147km, 18km,  
mb3.6/11, mbtmp4.1/12, Error ellipse: s-maj=25.1km  
s-min=14.3km, az=89.0

NOU 06 14:18:28.2, 15.98S, 168.19E, h123km, MLV4.5/15,  
Vanuatu Islands  
ISC 06 14:18:26.2, 0.8, 15.86S, 0.07x168.0E, 0.1, h150km, n26,  
az=163/31, mb3.8/11, Vanuatu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include LIFNC, MARNC, KOUNC, YATNC, DZM, WRA, WRA, ASAR, ASAR, MJAR, VNDA, ASAJ, KSRS, USRK, QSPA, CMAR, SONM, ILAR.

0.4nm,0.5s,baz=238,slow=5.1,SNR=13  
0.4nm,0.5s

SPITS Spitsbergen Ar 116.12 354 PKP PKPdf 14 36 50.2 -0.6  
ARCES ARCES Array B 131.56 145 PKP PKIKP 14 37 01.4 0.0  
FINES FINES Array B 127.01 388 PKP PKIKP 14 37 12.4 -0.1

NEIC 06 14:28:49.6, 1.8, 17.55N, 0.09x148.7E, 0.1, h10km, 1km,  
mb4.4/13, Error ellipse: s-maj=23.7km s-min=14.5km  
az=96.0  
IDC 06 14:28:51.5, 0.9, 17.55N, 148.17E, h0km, mb3.8/13,  
mbmp3.8/14, ML3.9/1, Error ellipse: s-maj=26.7km  
s-min=18.5km, az=102.0

ISC 06 14:28:52.6, 0.7, 17.43N, 0.07x148.1E, 0.1, h10km, n31,  
az=170/27, mb4.0/20, Mariana Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include GUMO, JCJ, PATS, JHJZ, KSRS, WBO, WB2, WRA, FITZ, ASO1, ASAR, ULN, SONM, CMAR, ARMA, BBOO, FORT, MORW, ZALV, MKAR, IM2K, ILAR, KURBB, BVAR, ABKAR, YKA, NVAR, FINES.

IDC 06 14:41:00.0, 1.5, 40.56N, 49.99E, h0km, mb3.8/6,  
mbtmp3.8/3, ML3.3/7, Error ellipse: s-maj=25.9km  
s-min=16.2km, az=174.0

AZER 06 14:41:06.6, 40.58N, 50.24E, h58km, m3.1  
NNC 06 14:41:11.1, 3.8, 41.33N, 50.63E, h0km, mb3.8, Error  
ellipse: s-maj=95.1km s-min=30.1km, az=113.0

ISC 06 14:41:06.6, 0.7, 40.65N, 0.04x50.33E, 0.05, h62km, 6km,  
n50, az=172/83, mb3.6/6, 3C-2D, Caspian Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include NDR, GALA, GOBA, GBS, ATGJ, SIZA, ALIB, PQL, QUBA, JML, KDMR, XNQ, QSAR, QBL, ZRD, LKRN, BLQ, YRD, ASTR, BRDA, SEKA, MNGR, AGDM, LERK, QRD, ZKTA, VSHL, GANJ.

LGD Lagodekhi 3.30 292 P Pn 14 41 56.5 -0.7  
GDB GEDABAY 3.48 273 Sn Sn 14 42 35.4 -0.8

QZX Qazax, Azerbai 3.78 278 Pn Sn 14 42 01.9 -0.5  
QZX Qazax, Azerbai 3.83 284 Pn Sn 14 42 45.1 -0.6  
DGRR David-gareji 4.36 294 Pn Sn 14 42 03.9 -0.8  
SHTL Shatli 4.39 294 Pn Sn 14 42 11.6 +1.2  
CHRG Chargali 4.39 294 Pn Sn 14 42 11.8 +0.3  
CHRG Chargali 4.39 294 Pn Sn 14 43 00.4 -0.3  
KBZ Khabaz 6.32 302 Pn Sn 14 42 34.5 -2.5

KBZ Khabaz 6.32 302 Pn Sn 14 43 00.4 -0.3  
KBZ Khabaz 6.32 302 Pn Sn 14 43 00.4 -0.3

GEYT Alibek 6.62 112 Pn Sn 14 42 41.3 0.0  
GEYT Alibek 6.62 112 Pn Sn 14 42 41.3 0.0

AB31 Akbulak array 10.96 35 Pn Sn 14 43 39.9 -0.6  
AB31 Akbulak array 10.96 35 Pn Sn 14 43 39.9 -0.6

AKTO Aktyubinsk 11.16 26 Pn Sn 14 43 42.3 -0.9  
AKTO Aktyubinsk 11.16 26 Pn Sn 14 43 42.3 -0.9

AKTO Aktyubinsk 11.16 26 Pn Sn 14 43 42.3 -0.9  
AKTO Aktyubinsk 11.16 26 Pn Sn 14 43 42.3 -0.9

BELG Belgoreyevy 11.89 352 Pn Sn 14 43 49.8 -3.3  
ARU Arti 16.68 16 Pn Sn 14 44 54.0 -2.0

AKASG Malin Aray Be 17.79 311 Pn Sn 14 45 07.4 -2.2  
BVAO Borovoye Array 18.40 41 Pn Sn 14 45 18.6 +1.6

BVAR Borovoye Array 18.40 41 Pn Sn 14 45 18.1 +1.7  
KURBB Kurchatov Arr 21.97 54 Pn Sn 14 45 57.7 +2.7

MKAR Makanchi Array 23.79 64 Pn Sn 14 46 16.6 +3.2  
FINES FINES Array B 25.52 333 Pn Sn 14 46 29.2 +0.4

ARCES ARCES Array B 31.75 344 Pn Sn 14 47 26.1 +1.8  
SPITS Spitsbergen Ar 40.08 350 Pn Sn 14 48 37.5 +2.2

TORD Torodi Ar. Bea 50.47 251 Pn Sn 14 49 58.1 -0.2  
NEIC 06 15:05:26.2, 0.5, 36.287N, 0.008x97.52W, 0.01, h5km, 3km,  
Error ellipse: s-maj=1.2km s-min=1.1km, az=53.0

TUL 06 15:05:26.6, 0.4, 36.283N, 0.009x97.508W, 0.009,  
h8km, 10km, ML3.0, mb Lg3.1/102(NEIC), ML2.9/61(NEIC),  
Error ellipse: s-maj=1.4km s-min=1.0km, az=152.0, Oklahoma

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include CROK, OK048, OK029, OK033, BLOK, OK051, GC02, ADOK, OK052, OK052, QUOK, QUOK, KAN13, OK032, OK032, KAN09, OKCSW, OKCSW, KAN01, DEOK, KAN06, KAN06, KAN06, KS21, KS21, OK038, T35A, T35A, T35A, FNO, FNO, W35A, W35A, TUL3, WLOK, WMO, LOOK, LOOK, X37A, X37A, SMWD, U38A, WFTS, FW06, Z36A, AMTX, X40A, RTBA, SN07, MGMO, WLMR, N33A.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include CROK, OK048, OK029, OK033, BLOK, OK051, GC02, ADOK, OK052, OK052, QUOK, QUOK, KAN13, OK032, OK032, KAN09, OKCSW, OKCSW, KAN01, DEOK, KAN06, KAN06, KAN06, KS21, KS21, OK038, T35A, T35A, T35A, FNO, FNO, W35A, W35A, TUL3, WLOK, WMO, LOOK, LOOK, X37A, X37A, SMWD, U38A, WFTS, FW06, Z36A, AMTX, X40A, RTBA, SN07, MGMO, WLMR, N33A.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like UALR, P38A, R40A, N35A, KSCO, Z41A, SGCY, CCM, P40A, 435B, N38A, PBMO, L34A, JCT, OZNA, CGM3, SCIA, SDCO, MNHN, Q24A, S44A, SIUC, N41A, Y45A, P43A, PECS, Q44A, DRIO, SAND, ANMO, PLAL, ALPN, OLIL, PHWY, 833A, O44A, VHRN, EPT, RWWY, RSSD, F33A, SPMN.

IDC 06 15:07:12.9-0.8, 36°38N-97.66W, h0km, mb3.9/3, mbmp3.8/10, ML3.5/7, MS3.0/7, Error ellipse: s-maj=10.6km s-min=8.6km az=154.0
NEIC 06 15:07:12.8-0.3, 36°27N-97.51W-0.01, h5km, 1km, Error ellipse: s-maj=2.9km s-min=1.5km az=249.0
Moment Tensor Solution. Moment tensor: Scale 10^14Nm; Mn=0.41; Mw=7.83; Mx=7.43; My=0.89; Mz=2.76; Mo=0.82;
Fault plane solution: Mb8.21000x10^14 Np2:
o234.85000°, s81.83000°, A.178.84000°. NP2:
o325.02000°, s88.85000°, A.8.17000°. Principal axes: T
8.4357, P1g7.0000°, Azm190.0000°; N -0.4677,
P1g82.0000°, Azm333.0000°; P -7.9680, P1g5.0000°,
Azm102.0000°;

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like CROK, OK048, BLOK, OK033, OK051, OK051, OK029, QUOK, OK052, KAN13, ADOK, KAN14, KAN17, OK032, KAN09, KAN05, OKCSW, DEOK, KAN06, KS21, KS21, T35A, T35A, T35A.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like OK038, KAN12, FNO, FNO, CSTR, W35A, W35A, W35A, TUL3, TUL3, TUL3, ELIS, WMOK, WMOK, RLO, R32A, R32A, SMWD, WTF5, KSU1, KSU1, KSU1, HHAR, CBKS, CBKS, CBKS, FW06, S39A, MIAR, MIAR, MIAR, APMT, AMTX, AMTX, AMTX, FW16, DKNS, ABTX, ABTX, X40A, RTBA, RTBA, MGMO, SN07, WHTX, WHTX, WHAR, FCAR, N33A, SN05, P38A, P38A, P38A, N35A, KSCO, KSCO, Z41A, MSTX, MSTX, MSTX, BGNE, BGNE, LCAR, NATX, CCM, CCM, CCM, CCM, CCM, SGCY, 435B, 435B, HBAR, T25A, T25A, T25A, L34A, OGNE, OGNE, ODSA, GNAR, JCT, 143A, OZNA, OZNA, PARMO.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like MET, PVMO, CGM3, SCIA, SDCO, Q24A, Q24A, MNHN, OXF, OXF, OXF, UTMT, Y45A, HNDO, PECS, PECS, ISCO, ISCO, DRIO, ECSD, ECSD, ANMO, ANMO, ANMO, SAND, SAND, L40A, WWT, ALPN, PHWY, N23A, SMCO, 833A, SUSD, SUSD, I37A, VHRN, JFWS, TXAR, TXAR, TXAR, EPT, M44A, SFIN, WCI, I40A, RSSD, RSSD, HQIL, RWWY, K22A, F33A, SPMN, TKL, TKL, TKL, BW06, PDAR, PDAR, PDAR, PDAR, L48A, AGMN, B35A, EYMN, O41A, N51A, E43A, ULM, ULM, ULM, ULM, E46A, ELK, ELK, ELK, SADO.

Table with 3 columns: Station Name, Frequency, and other parameters. Includes stations like SADO, LPIG, NVAR, YKA, ILAR, FINES.

TIR 06 15:07:35.5, 39°45'N-20°44'E, h2km, 1km, M43.4, M13.6
IDC 06 15:07:35.8-0.8, 39°55'N-20°42'E, h0km, mb3.8/12,
mbtmp3.7/20, ML3.4/6, MS3.2/1, Error ellipse:
s-maj=12.6km s-min=12.0km az=179.0
ATH 06 15:07:36.9, 39°49'N-20°33'E, h7km, 1km, ML3.6/24,
Manual Solution by D.Makariz This location: 2020/05/29
15:29:08 ML Amplitudes are expressed in micrometers, All
distances are expressed in degrees Latitude uncertainty: 0
km, Longitude uncertainty: 1 km
THE 06 15:07:37.1, 39°46'N-20°37'E, h0km, 2km, ML3.5/12, Error
ellipse: s-maj=2.9km s-min=0.6km az=283.0
PDG 06 15:07:37.0, 39°46'N-20°37'E, h10km, 1km, ML3.6/10,
Error ellipse: s-maj=0.7km s-min=1.2km az=0.0
BEO 06 15:07:38.4, 39°42'N-20°18'E, h5km, 4km, ML3.4/3
NAO 06 15:07:51.0, 40°23'N-18°35'E, h33km, m0.3, h
ISC 06 15:07:36.8-0.8, 39°47'N-20°35'E, h2.8, h6km, 5km,
n185, r153/258, mb3.8/12, 14C-7D, Greece-Albania

Main table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations and their parameters.

Table with 3 columns: Station Name, Frequency, and other parameters. Includes stations like FNA, SCITE, EFP, AGG, KTI, RLS, PLS, OHR, OHR, LIT, LTH, DRO, DRO, TIR, TIR, TIR, TIR, TIR, TIR.

Main table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations and their parameters.

Table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations and their parameters.

OSUNB 06 15:15:21.5, 0.2, 17°59'S-54°99'W, h0km, mR2.4/8, Error
ellipse: s-maj=1.5km s-min=2.1km az=0.0
VAO 06 15:15:22.9-1.4, 17°61'S-55°09'W, h0km, mBR2.6
ISC 06 15:15:22.9-1.0, 17°59'S-55°01'W, h12km, 7km,
n20, r094/32, Brazil

Table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations and their parameters.

OSUNB 06 15:19:21.6, 0.3, 17°61'S-55°03'W, h0km, mR2.7/5, Error
ellipse: s-maj=1.7km s-min=3.2km az=0.0
VAO 06 15:19:22.9-0.2, 17°59'S-55°05'W, h0km, mBR2.8
ISC 06 15:19:22.5-1.4, 17°61'S-55°04'W, h3km, 12km,
n17, r192/30, Brazil

Table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations and their parameters.

6d 15h

Table with columns: AQDD, Aquidauana, 2.92 192 eP, Pn, 15 20 10.6 +0.7, etc.

IDC 06 15:20:11.1-1.2, 9.39S, 159.73E, h0km, mb3.6/4, mbmtpp3.6/4, Error ellipse: s-maj=37.0km s-min=10.0km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc.

NEIC 06 15:21:31.0-0.3, 36.284N, 0.010, 97.526W, 0.007, h5km, 3km, Error ellipse: s-maj=1.5km s-min=0.5km

TUL 06 15:21:31.5-0.5, 36.288N, 0.010, 97.52W, 0.011, h8km, 8km, ML3.0, mb, Lg2.6/51(NEIC), ML2.8/53(NEIC), Error ellipse: s-maj=1.5km s-min=1.3km az=51.0, Oklahoma

Main table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc.

2018 APR
Felt [IV] at Khalilno; [III-IV] at Levitirivnyayam.
IDC 06 15:29:17.7-0.5, 60.91N, 166.92E, h0km, mb4.3/32, mbmtpp4.4/38, MLL4.4/5, MS3, 8/57, Error ellipse: s-maj=13.2km s-min=8.4km az=167.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc.

Main table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc.

C18K Utukok River 15.44 47 P P 15 32 57.9 -3.5
N14K Kuskokwim Cree 15.45 80 P P 15 32 59.2 -2.2
H17K Granite Mounta 15.49 61 P Pn 15 32 56.8 -0.7

Main table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc.



Table with columns: Station ID, Name, Comp, Az, El, AzM, ElM, AzE, ElE, AzS, ElS, AzW, ElW, AzN, ElN, AzE, ElE, AzS, ElS, AzW, ElW, AzN, ElN. Includes stations like M19K, H21K, L20K, CHGN, B22K, B22K, D22K, O18K, O18K, N19K, F22K, CHNA, P18K, E22K, E22K, I21K, CHUM, O19K, M20K, M20K, H22K, CAST, CAST, PPLA, D23K, C23K, C23K, MLY, MLY, BPAW, BPAW, COLD, G23K, G23K, RSO, KTH, KTH, N20K, P19K, E23K, SKT, SKT, TOLK, TOLK, Q19K, O20K, GRNR, GRNR, GRNR, GRNR, GRNR, GRNR, H23K, H23K, YSS, YSS, YSS, TRF, TRF, I23K, D24K, D24K, C24K, BWN, BWN, CHIR, CUT, SUA, SUA, NEA2, NEA2, CAPN, F24K, F24K, F24K, F24K, M22K, M22K, M22K, MCK, Q20K, SII, MDM.

Table with columns: Station ID, Name, Comp, Az, El, AzM, ElM, AzE, ElE, AzS, ElS, AzW, ElW, AzN, ElN. Includes stations like H24K, H24K, RND, G24K, G24K, OHAK, CNPM, CNPM, WRH, WRH, COLA, COLA, COLA, COLA, KDAK, KDAK, KDAK, KDAK, KDAK, KDAK, BRLL, BRSE, POKR, WAT1, D25K, D25K, GHO, O22K, O22K, IL31, ILAR, ILAR, ILAR, ILAR, ILAR, G25K, G25K, HDA, HDA, SML, SML, E25K, E25K, E25K, E25K, DHY, DHY, H25L, C26K, M23K, FYU, PRP, PRP, BMAR, SCM, J25K, F26K, K24K, G26K, GLI, GLI, M24K, PAX, RIDG, RIDG, ASAJ, ZEA, ZEA, ZEA, ZEA, KLU, KLU, HARP, SCRK, J26L, E27K, D27M, D27M, EYAK, G27K, G27K, N25K, N25K, Q23K, H27K.

Table with columns: Station ID, Name, Comp, Az, El, AzM, ElM, AzE, ElE, AzS, ElS, AzW, ElW, AzN, ElN. Includes stations like KLR, KLR, L26K, L26K, I27K, BMRM, K27K, GLB, E28M, E28M, M26K, M26K, F28M, F28M, EGAK, EGAK, D28M, VRDI, KAIM, L27K, BCAR, MCARA, MCARA, I28M, I28M, M27K, M27K, CRQM, TEY, TEY, E29M, WAX, WAX, G29M, G29M, H29M, H29M, BVCY, DAWY, DAWY, HEH, HEH, HEH, HEH, CTG, MESA, YUK3, J29N, J29N, LOGN, EPYK, EPYK, G30M, G30M, F30M, YUK8, O28M, L29M, L29M, K30M, I30M, I30M, M29M, M29M, J30M, J30M, INK, INK, G31M, G31M, YUK4, F31M, F31M, H31M, H31M, YUK6, M30M, PNL, O29M, O29M, N30M, HYT.

Table with columns for station call sign, name, coordinates, and status. Includes stations like Haines Junction, Bodabo, USSuriysk Arra, Braeburn, etc.

Table with columns for station call sign, name, coordinates, and status. Includes stations like EDM, KULLO, ZALV, NJ2, DAG, NEW, HOOD, etc.

Table with columns for station call sign, name, coordinates, and status. Includes stations like GOMU, WHUT, BW06, PD31, PDAR, ULM, KIRV, MDND, etc.



6d 16h

Table of satellite data for the 6d 16h period, listing stations like YLYR, CGD, NIZB, BLSR, CIT, TBGR, SYVR, YAK, YK, YAL, YAM, YAO, YAP, YAR, YAS, YAT, YAU, YAV, YAW, YAX, YAY, YAZ, YBA, YBB, YBC, YBD, YBE, YBF, YBG, YBH, YBI, YBJ, YBK, YBL, YBM, YBN, YBO, YBP, YBQ, YBR, YBS, YBT, YBU, YBV, YBW, YBX, YBY, YBZ, YCA, YCB, YCC, YCD, YCE, YCF, YCG, YCH, YCI, YCJ, YCK, YCL, YCM, YCN, YCO, YCP, YCQ, YCR, YCS, YCT, YCU, YCV, YCW, YCX, YCY, YCZ, YDA, YDB, YDC, YDD, YDE, YDF, YDG, YDH, YDI, YDJ, YDK, YDL, YDM, YDN, YDO, YDP, YDQ, YDR, YDS, YDT, YDU, YDV, YDW, YDX, YDY, YDZ, YEA, YEB, YEC, YED, YEF, YEG, YEH, YEI, YEJ, YEK, YEL, YEM, YEN, YEO, YEP, YEQ, YER, YES, YET, YEU, YEV, YEW, YEX, YEY, YEZ, YFA, YFB, YFC, YFD, YFE, YFF, YFG, YFH, YFI, YFJ, YFK, YFL, YFM, YFN, YFO, YFP, YFQ, YFR, YFS, YFT, YFU, YFV, YFW, YFX, YFY, YFZ, YGA, YGB, YGC, YGD, YGE, YGF, YGG, YGH, YGI, YGJ, YGK, YGL, YGM, YGN, YGO, YGP, YGQ, YGR, YGS, YGT, YGU, YGV, YGW, YGX, YGY, YGZ, YHA, YHB, YHC, YHD, YHE, YHF, YHG, YHH, YHI, YHJ, YHK, YHL, YHM, YHN, YHO, YHP, YHQ, YHR, YHS, YHT, YHU, YHV, YHW, YHX, YHY, YHZ, YIA, YIB, YIC, YID, YIE, YIF, YIG, YIH, YIJ, YIK, YIL, YIM, YIN, YIO, YIP, YIQ, YIR, YIS, YIT, YIU, YIV, YIW, YIX, YIY, YIZ, YJA, YJB, YJC, YJD, YJE, YJF, YJG, YJH, YJI, YJJ, YJK, YJL, YJM, YJN, YJO, YJP, YJQ, YJR, YJS, YJT, YJU, YJV, YJW, YJX, YJY, YJZ, YKA, YKB, YKC, YKD, YKE, YKF, YKG, YKH, YKI, YKJ, YKL, YKM, YKN, YKO, YKP, YKQ, YKR, YKS, YKT, YKU, YKV, YKW, YKX, YKY, YKZ, YLA, YLB, YLC, YLD, YLE, YLF, YLG, YLH, YLI, YLJ, YLK, YLL, YLM, YLN, YLO, YLP, YLQ, YLR, YLS, YLT, YLU, YLV, YLW, YLX, YLY, YLZ, YMA, YMB, YMC, YMD, YME, YMF, YMG, YMH, YMI, YMJ, YMK, YML, YMN, YMO, YMP, YMQ, YMR, YMS, YMT, YMU, YMV, YMW, YMX, YMY, YMZ, YNA, YNB, YNC, YND, YNE, YNF, YNG, YNH, YNI, YNJ, YNK, YNL, YNM, YNO, YNP, YNQ, YNR, YNS, YNT, YNU, YNV, YNW, YNX, YNY, YNZ, YOA, YOB, YOC, YOD, YOE, YOF, YOG, YOI, YOJ, YOK, YOL, YOM, YON, YOQ, YOR, YOS, YOT, YOY, YOZ, YPA, YPB, YPC, YPD, YPE, YPF, YPG, YPH, YPI, YPJ, YPK, YPL, YPM, YPN, YPO, YPP, YPQ, YPR, YPS, YPT, YPU, YPV, YPW, YPX, YPY, YPZ, YQA, YQB, YQC, YQD, YQE, YQF, YQG, YQH, YQI, YQJ, YQK, YQL, YQM, YQN, YQO, YQP, YQQ, YQR, YQS, YQT, YQU, YQV, YQW, YQX, YQY, YQZ, YRA, YRB, YRC, YRD, YRE, YRF, YRG, YRH, YRI, YRJ, YRK, YRL, YRM, YRN, YRO, YRP, YRQ, YRR, YRS, YRT, YRU, YRV, YRW, YRX, YRY, YRZ, YSA, YSB, YSC, YSD, YSE, YSF, YSG, YSH, YSI, YSJ, YSK, YSL, YSM, YSN, YSO, YSP, YSQ, YSR, YSS, YST, YSU, YSV, YSW, YSX, YSY, YSZ, YTA, YTB, YTC, YTD, YTE, YTF, YTG, YTH, YTI, YTJ, YTK, YTL, YTM, YTN, YTO, YTP, YTQ, YTR, YTS, YTT, YTU, YTV, YTW, YTX, YTY, YTZ, YUA, YUB, YUC, YUD, YUE, YUF, YUG, YUH, YUI, YUJ, YUK, YUL, YUM, YUN, YUO, YUP, YUQ, YUR, YUS, YUT, YUU, YUV, YUW, YUX, YUY, YUZ, YVA, YVB, YVC, YVD, YVE, YVF, YVG, YVH, YVI, YVJ, YVK, YVL, YVM, YVN, YVO, YVP, YVQ, YVR, YVS, YVT, YVU, YVV, YVW, YVX, YVY, YVZ, YWA, YWB, YWC, YWD, YWE, YWF, YWG, YWH, YWI, YWJ, YWK, YWL, YWM, YWN, YWO, YWP, YWQ, YWR, YWS, YWT, YWU, YWV, YWW, YWX, YWY, YWZ, YXA, YXB, YXC, YXD, YXE, YXF, YXG, YXH, YXI, YXJ, YXK, YXL, YXM, YXN, YXO, YXP, YXQ, YXR, YXS, YXT, YXU, YXV, YXW, YXZ, YYA, YYB, YYC, YYD, YYE, YYF, YYG, YYH, YYI, YYJ, YYK, YYL, YYM, YYN, YYO, YYP, YYQ, YYR, YYS, YYT, YYU, YYV, YYW, YYX, YYZ, YZA, YZB, YZC, YZD, YZE, YZF, YZG, YZH, YZI, YZJ, YZK, YZL, YZM, YZN, YO, YPO, YZP, YZQ, YZR, YZS, YZT, YZU, YZV, YZW, YZX, YZY, YZZ.

2018 APR

Table of satellite data for 2018 APR, listing stations like BMAR, ILAR, A36M, FINES, BCAR, CTGM, N31M, HFS, YKA, TMUT, KOUNC, YATNC, DZM, ARMA, COEN, CMWJ, STKA, OXZ, WR0, WB0, WB2, WRA, WRA, AS31, ASAR, BBOO, MTN, KNR, MJAR, ASAJ, USRK, PETK, KLR, CMAR, SONM, ILAR, MKAR, EAF, BUL, BLWY, MATP, KRI, KRI, MUSN, CHIPN, LBTT, LBTT, MOPA, MOPA, BOSA.

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Table of satellite data for station BOSA, listing stations like BUI, BGR, KRSC, MOS, MOS, NEIC, ISC, Code, Station Name, Az, Phase ID, Time, Res.

Table with columns for station code, name, time, and status. Includes stations like KAMIKAWA-ASAHI, ASAHIKAWA, GORNY, GRNR, GRRN, ERM, BILL, KLR, YAK, ZEA, USA0B, USR, HEH, MDJ, MSHR, BNX, MJB9, MAJO, MJAR, M13K, J14K, F15K, S12K, O14K, K15K, T1X1, N15K, J16K, F17K, M16K, E18K, H18K, M17K, N17K, J18K, C19K, F19K, T20, H19K, D19K, E19K, P18K, N19K, B20K, M20K, H21K, B21K, OHAK.

Table with columns for station code, name, time, and status. Includes stations like D22K, B22K, E22K, C23K, TOLK, GHO, D24K, SML, DHA, HDY, ILAR, SCM, E25K, N25K, RAGM, HMT, VRDI, K27K, WAX, BCAR, M27K, ISLE, BARN, GRNC, CTGM, ULN, E29M, H29M, H11N2, H11N3, H11N1, SONM, SONM, M29M, L29M, G30M, HHC, I30M, ZAK, H11S1, H11S3, H11S2, HYT, MOY, BTO, BTO, BTO, BTO, BTO, N31M, O30N, NJ2, NJ2, NJ2, NRIK, NRIK, NRIK, ZAAO, ZALV, ZALV, YKA, NOR.

Table with columns for station code, name, time, and status. Includes stations like GYA, KURK, KURB, SPA0, SPB2, MAZK, MAZK, NEEM, PZH, BVAR, BVAR, BRVK, BRVK, NEW, KULLO, DAG, VADS, BMO, LVZ, KEV, ARU, ARU, ARU, DBG, APA, APA, ARCES, ARCES, ARCES, ARCES, BPMT, BOOM, BOOM, KTK1, JETT, SUMG, SUMG, SUMG, AAK, AAK, AAK, UMMG, BOZ, BOZ, KIRV, KIRV, WAKR, WAKR, KSH, NVAR, NVAR, KK31, KK31, KK31, KKAR, KKAR, KKAR, LOF, KLMR, CMAR, ABKAR, ABKAR, JOF, R11B, P131, PDAR.

6d 16h

Table with columns: Station, Frequency, Power, Mode, and other parameters. Includes stations like SPR3, MORB, YFAR, RDMU, etc.

2018 APR

Table with columns: Station, Frequency, Power, Mode, and other parameters. Includes stations like STHS, NIE, OSTC, etc.

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Table with columns: Station, Frequency, Power, Mode, and other parameters. Includes stations like PERS, KBA, FRGS, etc.

DJA 06 16:30:45.9.0.2.7.5.3.12.9E.1, h168km, 6km, M4.3/13, mB4.9/6, mb4.0/13, MLV4.4/12, Mw(mB)4.2/6

ISC 06 16:30:44.9.0.6.7.52S.0:07.128.61E.0:06. h151km, n34, a191/36, mb3.6/6, Banda Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual. Includes stations like SAUI, SAUK, etc.







Table with 25 columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Bias, Elevation Bias, Station Type, Date, Time, and Status. Includes stations like O16K, D17K, G17K, etc.



Table with columns: ID, Name, Az, El, AzEl, P, S, Res, AzEl, P, S, Res. Rows include stations like AK02 Malin Array Si, AK11 Malin Array Si, etc.

Table with columns: ID, Name, Az, El, AzEl, P, S, Res, AzEl, P, S, Res. Rows include stations like CONA Conrad Observa, KHC Kasperke Hory, etc.

Table with columns: ID, Name, Az, El, AzEl, P, S, Res, AzEl, P, S, Res. Rows include stations like O28M Mount Upton, O28M, MCARA McCarthy VSAT, etc.

AEIC 06 17:19:36.31, 61.52N:0.02:141.18W:0.04, h18km, 6km, ML2.2, ML2.6/128(NEIC), Error ellipse: s-maj=2.8km s-min=2.1km az=97.0 ANF 06 17:19:36.90, 61.52N:141.17W, h3km, 1km, ML2.5/22, Error ellipse: s-maj=0.9km s-min=0.7km az=35.0 NEIC 06 17:19:37.4, 61.52N:0.01:141.18W:0.03, h5km, 6km, Error ellipse: s-maj=2.1km s-min=1.7km az=105.0 ISC 06 17:19:37.3, 61.52N:0.01:141.17W:0.01, h4km, 10km, n115, o667/153, Southern Alaska

6d 17h

Table listing station data for the 6d 17h period, including station names like Kayak Island, Kutina, Yukon, and various other stations with their respective codes and times.

TEH 06 17:27:22.4, 34°38'N-45°78'E, h11km, 31km, ML3.1
ISN 06 17:27:22.6, 1.2, 34°44'N-45°79'E, h22km, 10km, ML3.1
ISC 06 17:27:22.7, 1.1, 34°39'N-04°45'78'E, h13km, 11km, n21, c1564/24, Iran-Iraq border region

Table listing station data for the ISC 06 17:27:22.7 period, including station names like Ghasr-e-Shirin, Dehraj, Ghaleghazi, and others.

2018 APR

Table listing station data for the 2018 APR period, including station names like Doab, HSAM, MAHS, and others.

IDC 06 17:31:03.7, 8, 19°86'S-179°97'W, h0km, mb3.4/3, mbmtpp3.4/3, Error ellipse: s-maj=339.9km s-min=42.1km az=146.0, Fiji Islands region

Table listing station data for the IDC 06 17:31:03.7 period, including station names like WRA, ASAR, and ILAR.

IDC 06 17:39:37.0, 2, 0, 6°38'S-129°10'E, h0km, mb4.1/1, mbmtpp3.4/3, ML3.3/8, Error ellipse: s-maj=117.7km s-min=30.3km az=68.0

DJA 06 17:39:49.1, 0.4, 6°S-3°13'E, h144km, 10km, M4.0/11, mb3.8/9, mB5.0/1, MLv4.1/11, Mw(mB)4.3/1

ISC 06 17:39:48.9, 0.9, 6°27'S-107°130'E, 0.1, h150km, n19, c1592/21, Banda Sea

Table listing station data for the IDC 06 17:39:48.9 period, including station names like SAUI, BNDI, JASK, and others.

IDC 06 17:51:17.9, 0.6, 28°49'N-52°06'E, h0km, mb4.0/24, mbmtpp4.0/32, ML3.6/8, MS3.6/36, Error ellipse: s-maj=14.7km s-min=12.9km az=14.0

MOS 06 17:51:18.8, 1.4, 28°51'N-52°13'E, h15km, mb4.5/24, Error ellipse: s-maj=6.7km s-min=4.6km az=94.9

NEIC 06 17:51:20.4, 1.7, 28°52'N-52°17'E, 0.06, h10km, 1km, mb4.4/86, Error ellipse: s-maj=10.3km s-min=6.5km az=52.0

TEH 06 17:51:20.1, 28°58'N-52°18'E, h12km, 21km, ML4.3, DSN 06 17:51:23.9, 1.1, 28°28'N-52°22'E, h10km, ML4.2/13, Error ellipse: s-maj=15.6km s-min=7.0km az=8.0

OMAN 06 17:51:23.6, 1.0, 28°47'N-52°45'E, h10km, mb4.8/16, m4.4/16, ms3.3/3, Mwpp5.2/3, Error ellipse: s-maj=8.1km s-min=4.3km az=144.0

ISC 06 17:51:20.7, 0.3, 28°52'N-0°03'-52°17'E, 0.03, h15km, n342, c1542/361, mb4.4/93, MS3.6/32, 6C, Southern Iran

Table listing station data for the IDC 06 17:51:20.7 period, including station names like QIR1, DSBU, SHI, and others.

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Table listing station data for the 386 period, including station names like FAQ, ANAR, KRMI, and others.

Table with columns: Station Name, Frequency, Power, Modulation, and Signal Quality. Includes stations like MMAI Mount Meron Ar, EIL Elat, GAZ Gaziantep, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and Signal Quality. Includes stations like MLR Muntele Rosu, TESR Tescani, AK10 Malin Array Si, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and Signal Quality. Includes stations like ABTA Abfaltersbach, KHC Kasperse KHC, WTAA Wittelsberg, etc.





6d 18h

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

2018 APR

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

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Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like N23A, N23A, N23A, etc.

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

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

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

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like VA03, AVIZ, AAGR, VA01, ARCO, ASAL, RTLS, RTVC, CO02, RTLL, DOCA, ACCO, AROD, AVFE, CO01, AGUA, PLCA, CPUP, LPAZ, SIV, GSPA, TXAR, TORD, PDAR, WRA, BVAR, KURBB, ZALV, IDC 06 19:54:35.2, 0.8, 29.79Nk, 143.16E, h0km, mb3.6/14, mtbpm3.6/15, ML2.8/1, Error ellipse: s-maj=27.8km s-min=18.4km az=80.0, ISC 06 19:54:36.3, 0.7, 29.71N, 0.07x142.9E, 0.1, h10km, n17, c=238/20, mb3.6/14, Southeast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like GCPR, EMPP, HUMP, AOPR, IGPR, CELP, AGPR, OBIP, LSP, GBRP, CRPR, PCDR, SADR, HATM, ABDR, SDDR, GRTK, IDC 06 20:09:19.1, 1.6, 16.54N, 95.15W, h0km, mb3.7/4, mtbpm3.6/6, ML3.1/2, 16.56N, 0.03, 95.23W, 0.02, h25km, 10km, n81, c=216/121, mb3.7/3, Oaxaca

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like HUIG, NEUV, UXUV, OXIG, VHO, PEIG, PUERTO, PEIG, PMUV, TGIG, PCIG, YOSON, YGIG, TOIG, TGIG, TXIG, YGIG, HUIG, TPIG, TPIG, HUIG, HUIG, PNIG, PNIG, FTIG, FTIG, FTIG, JALCOM, JALU, PATR, PAVE, MGIG, MGIG, CHUJ, CRIG, CRIG, CRIG, HUEH, HUEH, RTAL, RTAL, POPCATE, PPM, PPIG, PPIG, MEIG, MEIG, PLIG, PLIG, PLIG, UNM, ANP, APG, APG, CAIG, CAIG, CAIG, PETF, PETF, ARIG, ARIG, ARIG, ESQI, MTO3, MOIG, TEIG, TEIG, CNNG, TXAR, TXAR, TXAR, TXAR, TXAR, BRDY, OZNA, OZNA, ALPN, ALPN, MNHN, MNHN, PLPT, PLPT, ABTX, ABTX, FW03, FW03, PECS, PECS, VHRN, SN05, SN05, LOOK, LOOK, MGMO, ANMO, MVO, EBSB, EROS, NVAR, ULM, ULM, YKA, YKA

PRU 06:20:13:18.3,50:30N:18:93E,h0km
IPEC 06:20:13:18.3,0.2,50:21N:18:99E,h1km,ML2,2/4,Error
ellipse: s-maj=2.4km s-min=1.0km az=167.0

VIE 06:20:13:18.3,0.3,50:22N:18:99E,h0km,mL2,1/1,Error
ellipse: s-maj=3.2km s-min=1.8km az=161.0,Suspected
Mining Induced.

IDC 06:20:13:21.1,2.1,50:29N:18:79E,h0km,mbtmp3,4/3,
ML2,6/3,Error ellipse: s-maj=44.2km s-min=10.6km
az=134.0

ISC 06:20:13:17.3,0.8,50:28N:0:04:18:93E,0:02,h0km,n25,
#052/41,Poland

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include OJC Ojcow, OJC OJC, OKC Ostrava-Krasne, etc.

NEIC 06:20:19:01.9,1.7,55:95N:0:07:149:76W,0:10,h9km,5km,
mb4,2/3,ML4,1/52,ML3,9(AE/C),Error ellipse:
s-maj=10.5km s-min=7.6km az=161.0

IDC 06:20:19:03.4,1.1,56:11N:149:66W,h0km,mb3,8/13,
mbtmp3,8/17,ML3,7/4,Error ellipse: s-maj=28.5km
s-min=14.6km az=28.0

AEIC 06:20:19:07.3,1.6,56:00N:0:07:149:72W,0:09,h10km,5km,
Error ellipse: s-maj=10.6km s-min=7.2km az=192.0

ISC 06:20:19:03.8,0.6,56:07N:0:06:149:79W,0:05,h10km,
n352,1#05/349,mb4,0/16,Gulf of Alaska

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include OHAK Old Harbor, OHAK OHAK, OHAK OHAK, etc.

Table with columns: BRSE, Code, Station Name, Az, Phase, ID, Time, Res. Rows include BRLL Bradley Lake, ANCK Angle Creek, KVTA Katmai Wly 10, etc.

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

2018 APR

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like M14K, PLBC, HYT, ISLZ, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Resolution. Includes stations like BASI, PLAI, MMRI, etc.

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

Table with columns: Station Name, Frequency, Mode, Signal, Date, Time, and other parameters. Includes stations like LuoYang, Diego Garcia, Wujiaji, etc.

Table with columns: Station Name, Frequency, Mode, Signal, Date, Time, and other parameters. Includes stations like Zakamensk, Nilore, Zeya, Kashi, etc.

Table with columns: Station Name, Frequency, Mode, Signal, Date, Time, and other parameters. Includes stations like Berezni, Magadan, Alibeck, etc.

6d 20h

Table with columns: ID, Name, Az, El, P, Res, and various numerical values. Includes entries like Baldwin Pennin, Kiawiki Mouna, Granite Mouna, etc.

2018 APR

Table with columns: ID, Name, Az, El, P, Res, and various numerical values. Includes entries like Nabesna, AK, Coleen River, Chicken, etc.

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Table with columns: ID, Name, Az, El, P, Res, and various numerical values. Includes entries like Kahutara, Denniston Nort, Blackbirch Sta, etc.

ADC 06 20:21:32.5; 0.7, 61.174S; 160.99E, h0km, mb4.7/9, mbmp4.7/11, ML4.5/2, MS4.6/2, Error ellipse: s-maj=33.6km s-min=15.9km az=80.0

NEIC 06 20:21:33.2; 1.9, 61.715S; 161.2E; 0.2, h10km, 1km, mb5.3/67, Error ellipse: s-maj=19.3km s-min=7.5km az=96.0

MOS 06 20:21:33.1; 1.4, 61.73S; 160.96E, h12km, mb5.2/9, Error ellipse: s-maj=41.6km s-min=9.9km az=96.2

GCMT 06 20:21:38.2; 0.1, 61.643S; 0.01; 161.09E; 0.02, h14km, MM5, 4/130, Moment Tensor Solution. s106;c169; s130;c232; Duration: 152 Moment tensor: Scale 1017 Nm; Mn=0.14; 0.2; Mw=1.33; 0.2; M0= -1.19; 0.2; Mo=0.29; 0.4; M1=0.44; 0.2; M2=0.08; 0.4; Best double couple: Mo:1.365000; 1017 NP1:325.00000; 884.00000; 7.9.00000. NP2:234.00000; 881.00000; 174.00000

Principal axes: T: 1.4640, P1g11.0000; Azm190.0000; N -0.1930, P1g79.0000; Azm1.0000; P -1.2670, P1g2.0000; Azm10.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 06 20:21:33.0; 0.3, 61.73S; 0.06; 161.32E; 0.10, h10km, m215, r188/180, mb5.2/39, MS4.6/30, 6C-2D, Balleny Islands region

Table with columns: Code, Station Name, Az, El, P, Res, and various numerical values. Includes entries like Macquarie Isla, Macquarie Isla, Vanda, etc.

Table with columns: ID, Name, Az, El, P, Res, and various numerical values. Includes entries like Alice Springs, Alice Springs, Alice Springs, etc.

Table with columns for call sign (SAUI, BATI, SOEI, etc.), name, frequency, power, and status. Includes stations like Saumlaki, Baunata, Soei, MAMI, etc.

Table with columns for call sign (ARU, FCC, FCC, etc.), name, frequency, power, and status. Includes stations like Fort Churchill, Fort Churchill, Val d'Or, etc.

Table with columns for call sign (KVTA, KAHC, KAHC, etc.), name, frequency, power, and status. Includes stations like Katmai Vly 10, Middleton Isla, etc.

NEIC 06 20:25:38.3z 1.6, 55.95N, 0.06E, 149.75W, 0.09, h10km, 1km, mb4.2/23, ML4.1/54, ML4.0(AEIC), Error ellipse: s-maj=10.8km s-min=8.6km az=164.0
IDC 06 20:25:39.4z 0.8, 56.12N, 149.72W, h0km, mb4.1/24, mbmp4.1/28, ML3.7/4, MS3.5/22, Error ellipse: s-maj=22.3km s-min=13.8km az=23.0
MOS 06 20:25:40.6z 0.9, 56.19N, 149.71W, h20km, mb4.4/12, Error ellipse: s-maj=15.5km s-min=5.7km az=95.0
AEIC 06 20:25:42.1z 1.9, 55.20N, 0.08E, 149.74W, 0.1, h12km, 5km, Error ellipse: s-maj=11.4km s-min=8.5km az=183.0
ISC 06 20:25:39.8z 0.5, 56.04N, 0.06E, 149.78W, 0.04, h10km, n464, r122/448, mb4.3/54, MS3.5/19.8, Gulf of Alaska

6d 20h

2018 APR

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Table with columns for station ID, name, frequency, and signal strength. Includes stations like SML Sawmill, MESA MESA, M23K Glacier View, etc.

Table with columns for station ID, name, frequency, and signal strength. Includes stations like S32K Killisnoo, J19K Poorman, WRH Wood River Hill, etc.

Table with columns for station ID, name, frequency, and signal strength. Includes stations like BILL Bilibino, BMO Blue Mountains, J08A Circle Bar Ran, etc.





6d 21h

Table of flight data for the 6d 21h period, listing flight numbers (e.g., Y57A, 255A, ACON), destinations, times, and status.

2018 APR

Main table of flight data for 2018 APR, listing flight numbers (e.g., Y49A, W50A, L61B), destinations, times, and status.

400

Table of flight data for the 400 period, listing flight numbers (e.g., P40A, L42A, X37A), destinations, times, and status.



6d 21h

Table with columns for station ID, name, frequency, power, and signal quality. Includes stations like Grapevine Rang, Tonopah, and various other local stations.

2018 APR

Table with columns for station ID, name, frequency, power, and signal quality. Includes stations like Campbell River, Curarrehue, and various other stations.

402

Table with columns for station ID, name, frequency, power, and signal quality. Includes stations like Barlow Dome, Eagle Plains, and various other stations.







Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like ECAB Cartagena, CART Cartagena, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like PCVCE Castro Verde, PCBR Castelo Branco, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like NLAI Namlea, JAY Jayapura, WRA Warrungga Arr, etc.

Technical text block containing station identifiers and parameters such as 'IDC 06 22:49:00.5:0.2:93S:127.86E,h0km,mb4.5/21, mbmp4.5/22,ML4.9/1,MS4.4/3, Error ellipse: s-maj=24.4km s-min=7.7km az=73.0'

Technical text block containing station identifiers and parameters such as 'Code Station Name Azimuth Elevation Phase ID Time Res', listing stations like SANI Sanana, LBAI Labuha, etc.

Technical text block containing station identifiers and parameters such as 'Code Station Name Azimuth Elevation Phase ID Time Res', listing stations like SANS Sanana, SANS Sanana, etc.







Table with columns: Station, Frequency, Power, Class, and other technical details. Includes stations like TWSI, MTN, JAGI, KNRA, UGM, TWG, YULB, TPUB, FITZ, NACB, YHNB, QIZ, COEN, WBO, WRAB, WRA, WRO, LWLI, UBPT, PSA00, ASAR, GSI, NJ2, PHRA, CMAR, ENH, KMI, PZH, FORT, MORW, LYN, KRSR, MJAR, XAN, CD2, HNS, BBOO, STKA, BJT, BJI, ARU, L14K, J14K, M14K.

Table with columns: Station, Frequency, Power, Class, and other technical details. Includes stations like LZH, HHC, HHC, HHC, HHC, SHL, USRK, MDJ, MDJ, MDJ, MDJ, MDJ, H11S, H11S, H11S, XLT, ASAJ, LSA, LSA, KOUNC, DZM, KLR, PALK, HEH, UHL, SONM, SONM, SONM, WMQ, WMQ, WMQ, WMQ, MNCI, PETK, PETK, MKAR, MAKZ, TARG, NIL, KSH, KSH, YAK, MA2, AAK, LBZ, ZAAO, ZAAO, ZALV, ZALV, ZALV, DRK, DRK, URZ, KBL, KBL, KURB, KURK, SEY, HRA, BVAR, BVAR, BRVK, BRVK, TIXI, TIXI, CASY, NRIK, NRIK, UOSS, GEYT, GEYT, GYA0B, ABKAK, ABKAK, ARU, ARU, L14K, J14K, J14K, M14K, M14K.

Table with columns: Station, Frequency, Power, Class, and other technical details. Includes stations like C16K, L16K, O16K, F17K, H17K, K17K, E18K, C18K, H18K, L18K, K18K, P18K, J18K, RAYN, C19K, TTA, G19K, D19K, H19K, J19K, ABPO, E19K, E19K, L19K, L19K, F20K, K20K, K20K, B20K, GNI, J20K, J20K, VOI, M20K, M20K, G21K, G21K, VNDA, VNDA, VNDA, B21K, B21K, H21K, H21K, CAST, CAST, SKT, ONI, I21K, I21K, KARS, SUA, SUA, B22K, B22K, BPAW, BPAW, KBZ, KBZ, FIS, E22K, E22K, M22K, MLY, MLY, KVAR, KIV, KIV, TRF, TRF, RC01, GUR0, GUR0, G23K, G23K, C23K, H23K, H23K, I23K, I23K, NEA2, NEA2, RND, KNK, TOLK, TOLK, PPT2, PPT2, SML, WRH, WRH, D24K, D24K, CCB, H24K, H24K, TBI, ILAR, ARPR, GAZ, GAZ.

6d 23h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Table Mountain, Logan Glacier, Babbage River, Keskin Array B, etc.

IDC 06 23:18:53.9, 12.0, 10:89N, 86:09W, h0km, mb3.7/4, mbtmp 3.7/4, ML 1.9/1, MS2.9/1, Error ellipse: s-maj=245.8km s-min=73.6km az=7.0

CATAC 06 23:19:08.7, 0.4, 11:58N, 86:92W, h33km, 5km, ML3.8 SNET 06 23:19:10.5, 1.4, 14:15N, 86:36W, h13km, 34km, ML3.6 ISC 06 23:19:07.8, 1.3, 11:57N, 0:04:86.94W, 0.04, h33km, 3km, n54, c1514/82, mb3.6/4, Near coast of Nicaragua

Main table for 6d 23h section, listing station codes, names, and seismic data. Includes stations like Masachapa, Copaltepe, Nagarote, Centro civic, Cigeo UNAN, etc.

2018 APR

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Acon Acopya, Ampah Amapala, Orteg, Santa, etc.

IDC 06 23:22:36.8, 7.0, 44:11N, 147:00E, h0km, mb3.9/9, mbtmp 3.9/9, ML3.2/1, Error ellipse: s-maj=179.1km s-min=22.0km az=167.0

MOS 06 23:22:42.6, 1.1, 43:71N, 147:31E, h80km, mb4.3/1, Error ellipse: s-maj=25.9km s-min=16.2km az=98.7

NEIC 06 23:22:42.7, 0.6, 44:2N, 0:2:146.9E, 0.2, h35km, 9km, mb4.3/29, Error ellipse: s-maj=25.0km s-min=15.2km az=141.0

SKHL 06 23:22:43.9, 0.2, 43:70N, 147:30E, h84km, 4km, mb4.7/3 JMA 06 23:22:43.6, 0.2, 43:5N, 1:0:14.7E, h54km, MV3.8/36, E OFF HOKKAIDO

ISC 06 23:22:43.8, 1.1, 43:70N, 147:40E, 0.07, h74km, 7km, n73, c1527/85, mb4.2/24, 2D, Kuril Islands

Main table for 2018 APR section, listing station codes, names, and seismic data. Includes stations like Shikotan, Pinedale Array, Lac du Bonnet, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Kamakawa 2, Kanakawa-asahi, Asaj, etc.

CATAC 06 23:33:11.1, 0.4, 13:07N, 89:44W, h27km, 2km, ML3.9 GCG 06 23:33:14.6, 0.4, 13:36N, 89:69W, h118km, 18km, MD3.6 ISC 06 23:33:04.1, 1.5, 13:04N, 0:05:89.46W, 0.03, h26km, 13km, n47, c0849/86, El Salvador

Main table for 410 section, listing station codes, names, and seismic data. Includes stations like Alcalda de L, Jayaya - finc, etc.

Table of astronomical observations with columns for code, station name, station name, phase ID, time, res, and ISC. Includes entries like BOQS Boqueron, SJTE Alceda de S, IGNE Direccin Gen, etc.

IDD 06 23:42:24.0.3.9.34.91Nk:70.20E, h0km, mb3.5/2, mbmp4.5/17, ML2.9/3, Error ellipse: s-maj=85.3km, s-min=29.6km az=140.0

NNC 06 23:42:48.4.14.0.36.39N:69.63E, h168km, 254km, mb2.6, mpv3.2, Error ellipse: s-maj=138.3km s-min=89.3km az=9.0

ISC 06 23:42:41.3.1.9.36J0N:02.69.4E:0.1, h100km, n8, r191/11, 2C-2D, Hindu Kush region

Table of astronomical observations with columns for code, station name, station name, phase ID, time, res, and ISC. Includes entries like KK31 Karatay Array, TKM2 Tokmak 2, etc.

NEIC 06 23:43:46.4.2.4.5.89S:0.08.143.00E:0.07, h10km, 1km, mb4.3/20, Error ellipse: s-maj=15.2km s-min=9.6km az=333.0

IDC 06 23:43:49.4.0.8.6.23S:143.01E, h0km, mb4.0/10, mbmp4.1/12, ML2.3/1, Error ellipse: s-maj=34.2km s-min=18.6km az=68.0

DJA 06 23:43:52.5.0.6.6.5.4.14.3E:1.4, h10km, M4.7/12, mb5.0/7, mb4.5/12, MLv5.2/4, Mw(mB)4.3/7

ISC 06 23:43:49.9.0.6.6.34S:0.07.142.91E:0.07, h10km, n57, r175/53, mb4.0/13, New Guinea

Table of astronomical observations with columns for code, station name, station name, phase ID, time, res, and ISC. Includes entries like TABU Tabubil, MMPI Merauke, JAY Jayapura, etc.

IDD 06 23:44:13.9.0.7.6.26S:142.99E, h0km, mb4.4/13, mbmp4.5/17, ML4.4/3, MS4.0/4, Error ellipse: s-maj=26.1km s-min=14.3km az=84.0

GCMT 06 23:44:18.4.0.2.6.46S:0.01x142.65E:0.02, h12km, MW5.0/96, Moment Tensor Solution, s29.c35; s96.c135; Duration: 0 Moment tensor: Scale 1016N; Mr3.31±.07; Mw=2.07±.07; Mw=1.2±.08; Mw2.01±.26; Mw=1.17±.05; Mw=1.36±.32; Best double couple: M3.93900x10^16 Np1±125.0000; 684.0000; 1.69.0000; NP2: 6.302.0000; 326.0000; 1.91.0000; Principal axes: T 1.460, P107.0000, Az=33.0000; N - 4140; P10.0000; Azm125.0000; P - 3.7320, P19.0000; N2±215.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 06 23:44:16.0.0.7.6.44S:0.08.142.82E:0.09, h10km, n23, r236/19, mb4.5/13, MS4.0/4, New Guinea

Table of astronomical observations with columns for code, station name, station name, phase ID, time, res, and ISC. Includes entries like PMG Port Moresby, WRA Warramunga Arr, etc.

Table of astronomical observations with columns for code, station name, station name, phase ID, time, res, and ISC. Includes entries like STKA Stephens Creek, DZM Mont Dzacam, KRSR Korea Array, etc.

SFS 06 23:50:12.6.36.60N:3.50W, h0km, ML2.4/14, ML2.7/12, MLv2.3/14

MDD 06 23:50:13.4.0.3.36.58N:3.46W, h12km, mb, Lg2.6/34, Error ellipse: s-maj=3.0km s-min=2.0km az=168.0

CNRM 06 23:50:13.8.36.60N:3.51W, h17km, ISC 06 23:50:10.8.1.1.36.62N:0.02.347W:0.02, h3km±10km, n66, r125/109, 2D, Strait of Gibraltar

Table of astronomical observations with columns for code, station name, station name, phase ID, time, res, and ISC. Includes entries like ELGU Los Guajares, BERJ Berja, EQUE Quentar, etc.

7d 1h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like ESDC, Cofrentes, Val, EI Granado, IFR, PVAQ, EBAO, EBAO, EBAO, ECHER, UCM, MD31, MDT, EPLA, GUD, E901, ETOR.

SJA 06:23:54:10.9:0.7, 22745:66:08W, h268km, 4km, ML3.4, MW3.5, Jujuy Province

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like YJA, SLA, LVC, PB09, PB09, PB15, PB06, PB01, PB07, PB04, PB05, PB02, PB08, G002, G002, G001, TA01, PB11, AC02, AC01, PB16.

IDC 07 00:00:34.0:2.2, 6.99S-127.74E, h0km, mb3.6/2, mbtmp3.3/4, ML3.1/2, Error ellipse: s-maj=307.7km

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

DJA 07 00:20:27.6:0.7, 3'S:4'12"8E", h28km, 8km, M4.3/12, mb4.3/5, mb4.8/2, MLV4.3/12, Mw(mb)4.0/2

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like NLAI, SANI, LBMI, BNDI, SWI, FAKI, BATI, WRA, LEM, ASAR, ASAR, GUMO, STKA, CMAR, JNU, MJAR, ASAJ, SONMI.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like MKAR, ZALV, KURBB, BVAR, NRIK, ILAR.

NEIC 07 01:12:38.6:2.1, 53.42N:0.04:164.29W:0.06, h28km, 9km, mb3.6/12, ML3.3/12, ML3.1(AEIC), Error ellipse: s-maj=5.9km s-min=5.0km az=167.0

AEIC 07 01:12:38.5:2.4, 53.48N:0.07:164.29W:0.07, h17km, 5km, Error ellipse: s-maj=11.4km s-min=4.5km az=160.0

ISC 07 01:12:37.9:1.8, 53.44N:0.1:164.25W:0.05, h20km, 10km, n=10, b=0.87, Unimak Island region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like WESE, AKSA, AKUT, AHB, WECS, WECS, WEBT, ZRO, LVA, SSSL, ISLZ, UNV, UNV, UNV, MNAT, FALS, FALS, MGOD, MAPS, HAG, PS4A, PNTA, PNV, PS1A, S12K, S12K.

S12K comp=N, 155nm, 0.6s

SDPT Sand Point 2.95 47 P Pn 01 12 23.9 +0.9

SDPT Sand Point 2.95 47 Pn Pn 01 12 23.5 +0.8

SDPT Sand Point 2.95 47 Pn Pn 01 14 17.3 +0.6

SDPT comp=N, 92nm, 1.1s

SDPT comp=E, 119nm, 0.2s

CNBA Chernabura Isl 3.10 61 Pn Pn 01 13 25.0 +0.1

VNFG Fog Glacier, M 3.97 41 Pn Pn 01 13 38.1 +1.0

CHGN Chignik 4.46 47 Pn Pn 01 13 45.5 +0.8

O14K Tigakauwet M 6.11 15 Pn Pn 01 14 07.8 +1.5

M13K Dill Lake 7.06 14 Pn Pn 01 14 21.4 +2.1

O16K Kokwok River B 7.09 26 Pn Pn 01 14 21.9 +2.1

N15K Kwethluk River 7.17 17 Pn Pn 01 14 22.1 +1.3

OHAK Old Harbor 7.34 54 Pn Pn 01 14 24.1 +1.0

M14K Bethe 7.49 9 Pn Pn 01 14 26.4 +1.2

P18K Big Mountain, 7.82 36 Pn Pn 01 14 30.9 +0.5

KDAK Kodiak Island 7.94 52 Pn Pn 01 14 30.9 +0.4

L14K Cuka Creek 8.02 5 Pn Pn 01 14 34.2 +1.7

O19K Cape Douglas, 8.11 43 Pn Pn 01 14 34.3 +0.5

Q17K Koyuk Hills 8.13 25 Pn Pn 01 14 34.9 +1.1

O18K Koyuk Hills 8.17 34 Pn Pn 01 14 36.1 +1.5

M16K Timber Creek 8.17 18 Pn Pn 01 14 36.0 +1.4

L16K Ohwah River 8.73 15 Pn Pn 01 14 40.0 +1.8

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like GPCR, GPCR, IGPR, IGPR, IGPR, IGPR, EMPR, EMPR, EMPR, EMPR.

CELP Cerrillos 1.84 242f Pn Pn 01 13 09.8 +0.7

CELP Cerrillos 1.84 242f Pn Pn 01 13 32.1 +0.4

CELP Cerrillos 1.84 242f Pn Pn 01 13 09.8 +0.5

OBIP Obispado Ponce 1.88 241f Pn Pn 01 13 10.6 +0.9

OBIP Obispado Ponce 1.88 241f Pn Pn 01 13 10.6 +0.9

OBIP Obispado Ponce 1.88 241f Pn Pn 01 13 32.6 +0.0

OBIP Obispado Ponce 1.88 241f Pn Pn 01 13 33.9 +0.0

AOPR Arcenio Observe 1.88 251 Pn Pn 01 13 09.8 +0.1

AOPR Arcenio Observe 1.88 251 Pn Pn 01 13 32.7 +0.1

AOPR Arcenio Observe 1.88 251 Pn Pn 01 13 38.5 +0.0

AOPR Arcenio Observe 1.88 251 Pn Pn 01 13 03.0 +0.7

AOPR Arcenio Observe 1.88 251 Pn Pn 01 13 32.9 +0.2

SABA Saba 2.05 130f Pn Pn 01 13 14.8 +2.8

SABA Saba 2.05 130f Pn Pn 01 13 36.8 +0.1

SABA Saba 2.05 130f Pn Pn 01 13 41.1 +0.2

AGPR Aguadilla, PR 2.17 257f Pn Pn 01 13 14.1 +0.4

AGPR Aguadilla, PR 2.17 257f Pn Pn 01 13 40.0 +0.2

AGPR Aguadilla, PR 2.17 257f Pn Pn 01 13 13.9 +0.2

AGPR Aguadilla, PR 2.17 257f Pn Pn 01 13 39.8 +0.1

LSP Las Mesas 2.24 250f Pn Pn 01 13 15.8 +1.2

LSP Las Mesas 2.24 250f Pn Pn 01 13 40.6 +0.6

LSP Las Mesas 2.24 250f Pn Pn 01 13 15.8 +1.2

LSP Las Mesas 2.24 250f Pn Pn 01 13 40.3 +1.6

PRSN Puerto Rico Se 2.27 251 Pn Pn 01 13 14.8 +0.3

MLPR Maguayes Islan 2.28 245f Pn Pn 01 13 16.4 +1.2

MLPR Maguayes Islan 2.28 245f Pn Pn 01 13 41.4 +0.9

MLPR Maguayes Islan 2.28 245f Pn Pn 01 13 16.0 +0.8

MLPR Maguayes Islan 2.28 245f Pn Pn 01 13 42.2 +0.6

CRPR Cabo Rojo, PR 3.22 246 Pn Pn 01 13 16.8 +1.0

MBFL Flemmings, Mon 3.32 121 Pn Pn 01 13 30.5 +0.4

ANBD Bethesda, Anti 3.56 132 Pn Pn 01 14 09.2 0.0

ANBD Bethesda, Anti 3.56 132 Pn Pn 01 13 14.9 +0.0

ANBD Bethesda, Anti 3.56 132 Pn Pn 01 14 11.1 -2.1

IDC 07 01:32:54.0:2.1, 16.06N:94.38W, h0km, mb3.7/3, mbtmp3.6/4, ML3.4/1, MS2.9/1, Error ellipse: s-maj=120.6km s-min=20.2km az=65.0

NEIC 07 01:32:59.5:3.0, 16.04N:0.05:95.23W:0.02, h35km, 2km, mb4.0/7, Md4.2/60(MEX), Error ellipse: s-maj=8.1km s-min=3.1km az=193.0

ISC 07 01:32:56.7:2.9, 16.04N:0.04:95.24W:0.02, h11km, 20km, n65, e202/99, mb4.0/5, Oaxaca

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like HUIG, HUIG, HUIG, CMIG, CMIG, CMIG, CARR, CARR, CARR, XUVU, XUVU, XUVU, OXLC, OXLC, NEUV, NEUV, OXIG, OXIG, VHO, VHO, VHO, PEIG, PEIG, PEIG, PCIG, PCIG, PCIG, YONG, YONG, YONG, TOIG, TOIG, TOIG, TXIG, TXIG, TXIG, PNIG, PNIG, PNIG, PATR, PATR, PATR, HLIG, HLIG, HLIG, PAVE, PAVE, PAVE, TPIG, TPIG, TPIG, CHUJ, CHUJ, FTIG, FTIG, FTIG, MGIG, MGIG, MGIG, MAIG, MAIG, MAIG, JAUJ, JAUJ, JAUJ, HUEH, HUEH, HUEH, RETH, RETH, RETH, CRIG, CRIG, CRIG, CRUZ, CRUZ, CRUZ, PPM, PPM, PPM, MEIG, MEIG, MEIG, MEIG, MEIG.



7d 1h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Averroes, Esparrros, EPON, etc.

LDG 0701:44:21.7±0.1, 37.87N±3.26W, h12km, ML3.6/16, Error ellipse: s-maj=2.4km s-min=1.9km az=18.0

MDD 0701:44:22.5±0.2, 37.87N±3.23W, h12km, mb\_Lg3.8/4.0, Error ellipse: s-maj=1.7km s-min=1.4km az=14.0

INMG 0701:44:23.0±2.1, 37.86N±3.24W, h17km, 3km, ML3.5, Error ellipse: s-maj=2.3km s-min=2.1km az=18.0

SFS 0701:44:23.7, 37.86N±3.29W, h21km, ML3.9/16, ML3.8/16, ML3.7/15

ISC 0701:44:21.2±0.8, 37.88N±0.02±3.22W±0.01, h15km, 5km, n101, az=64/175, 2D, Spain

Main station list table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Quesada, Ubeda, Presa de Quent, etc.

2018 APR

Main station list table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Barrancos, Celadas, Torere, etc.

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Main station list table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Saint Saulge, Pioggola, West Dahl East, etc.







2018 APR

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Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like VILB Vilhena, AMBA Ambambai, ETMB Extrema, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like H11N1 WAKE ISLAND, H11S1 WAKE ISLAND, YKA Yellowknife, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like NLAI Namlea, LBMI Labuha, KNRA Kununurra, etc.



Table with columns: SBA, Scott Base, 72.47 175, IAMS\_20, IAMS\_20, 03 38 05.7, etc. Includes stations like SBA, P08K, ZSN, MKAR, MAKZ, SHLS, PDGK, TARG, BILL, ZHN, TAOE, KSH, KSH, KSH, S12K, NIL, NIL, TDK, MDOK, TNS, CHKK, CHKK, BOOM, BOOM, M11K, GAMB, TKM2, S14K, TIKI, TIKI, AAK, AAK, CHGN, M13K, SGDS, SGDS, O14K, KURK, KURK, KURK, KURK, KURB, KURB, M14K, M14K, L14K, O15K, BTLS, BTLS, R16K.

Table with columns: CHIR, Chirikof Islan, 79.96 30, IAMS\_20, IAMS\_20, 03 45 03.0, etc. Includes stations like N15K, M15K, J14K, J14K, MAW, MAW, L15K, TNA, KBL, KBL, P16K, BTk, BTk, ANM, ANM, ANM, GAR, GAR, O16K, K15K, N16K, F14K, DZA, DZA, M16K, SII, L16K, L16K, O17K, P17K, G15K, CHGR, CHGR, SIMJ, N17K, N17K, F15K, F15K, F15K, J16K, J16K, J16K, KK31, KK31, KK31, KKAR, KKAR, KKAR, IUG, IUG, IUG, H16K, OHAK, P18K, P18K, M17K, M17K, I17K, I17K, I17K, L17K, OTUK, CHM, CHM, O18K, O18K, BRLS, BRLS, G16K, G16K, N18K, N18K, K17K, BRZS, BRZS, BRZS, K19K, K19K, K19K, K19K, SVW2, L18K, M18K, O19K, O19K.

Table with columns: H17K, Granite Mounta, 82.67 21, IAMS\_20, IAMS\_20, 03 42 23.1, etc. Includes stations like G17K, N19K, P19K, C16K, F17K, J18K, J18K, TTA, D17K, E17K, L19K, L19K, O20K, M19K, M19K, H18K, H18K, RDOG, RDOG, RDOG, GSPA, GSPA, GSPA, HOM, HOM, C17K, G18K, G18K, G18K, F18K, GCSA, L20K, E18K, E18K, J19K, J19K, J19K, M20K, N20K, BRSE, K20K, K20K, H19K, H19K, H19K, CAPN, C18K, G19K, G19K, F19K, F19K, F19K, F19K, NRIK, NRIK, NRIK, NRIK, J20K, B18K, SKT, SKT, I20K, I20K, BVAO, BVAO, BVAR, BVAR, PPLA, PPLA, SUA, SUA, SUA, BRVK, BRVK, SEW, O22K, H20K, E19K, E19K, E19K, E19K, CHUM, M22K.

7d 2h

D19K	Kuna River	85.16	19	P	P	03 09 25.8	-0.5
D19K	comp=Z,51nm,1.4s			IAMB	IAMB	03 09 29.4	
D19K	comp=Z,983nm,19.0s			IAMS_20	IAMS_20	03 45 29.8	
D19K	Kuna River	85.16	19	P	P	03 09 26.3	0.0
A19K	Wainwright	85.20	17	P	P	03 09 26.9	+0.5
F20K	Avaraart Lake	85.23	20	IAMS_20	IAMS_20	03 43 31.6	
F20K	Avaraart Lake	85.23	20	P	P	03 09 26.5	0.0
CUT	Chulitna	85.28	25	IAMS_20	IAMS_20	03 41 15.3	
CUT	Chulitna	85.28	25	P	P	03 09 26.6	-0.3
IMAR	Indian Mountai	85.45	23	P	P	03 09 27.3	-0.3
PMR	Palmer	85.46	26	P	P	03 09 26.7	-1.1
PMR	Palmer	85.46	26	P	P	03 09 26.9	-0.9
PMR	Palmer	85.46	26	P	P	03 09 26.7	-1.1
KTH	Kantishna Hill	85.47	24	P	P	03 09 26.7	-1.3
GHO	Glory Hole Cre	85.62	26	P	P	03 09 27.9	-0.8
H21K	Melozitna Rive	85.63	22	IAMS_20	IAMS_20	03 40 14.2	
H21K	Melozitna Rive	85.63	22	P	P	03 09 28.6	-0.1
E20K	Nigu River	85.66	19	P	P	03 09 28.9	+0.1
P23K	Montague Islan	85.66	28	P	P	03 09 28.6	-0.3
BPBW	Bear Paw Mtn.	85.67	24	P	P	03 09 28.3	-0.6
BPBW	Bear Paw Mtn.	85.67	24	P	P	03 09 28.1	-0.8
TRF	Thorofare Moun	85.69	25	IAMS_20	IAMS_20	03 45 36.9	
TRF	Thorofare Moun	85.69	25	P	P	03 09 28.1	-1.1
KNK	Knik Glacier	85.69	27	P	P	03 09 28.6	-0.5
I21K	Tanana	85.73	23	P	P	03 09 28.8	-0.3
D20K	Etiwuk River	85.75	19	P	P	03 09 29.5	+0.3
G21K	Allakaket	85.76	21	IAMS_20	IAMS_20	03 45 08.6	
G21K	Allakaket	85.76	21	P	P	03 09 28.9	-0.3
HRA	Herat	85.81	30	P	P	03 09 29.9	-0.5
SML	Sawmill	85.89	26	P	P	03 09 29.3	-0.8
F21K	Alatna River	86.08	20	IAMS_20	IAMS_20	03 44 59.2	
F21K	Alatna River	86.08	20	P	P	03 09 30.3	-0.6
GLI	Glacier Island	86.12	27	P	P	03 09 30.0	-1.2
MLY	Manley	86.15	23	P	P	03 09 31.0	-0.3
M23K	Glacier View	86.16	26	P	P	03 09 30.4	-1.0
WAT1	Susitna Watana	86.18	25	P	P	03 09 30.5	-1.0
B20K	Meade River	86.23	17	P	P	03 09 31.8	+0.3
H22K	Ishlaitna Cre	86.27	22	P	P	03 09 31.8	0.0
SCM	Sheep Creek Mo	86.35	27	P	P	03 09 32.1	-0.3
SCM	Sheep Creek Mo	86.35	27	IAMS_20	IAMS_20	03 42 01.5	
SCM	Sheep Creek Mo	86.35	27	P	P	03 09 31.9	-0.5
SCM	Sheep Creek Mo	86.35	27	P	P	03 09 32.1	-0.3
MCK	McKinley	86.36	24	P	P	03 09 31.2	-1.2
WAT6	Susitna Watana	86.44	26	P	P	03 09 32.0	-0.9
E21K	Killik River	86.47	19	P	P	03 09 33.0	+0.2
C21K	Knifeflade Rid	86.54	19	P	P	03 09 33.1	0.0
EYAK	Cordova Ski Ar	86.63	28	P	P	03 09 33.4	-0.2
NEA2	Nenana	86.63	24	P	P	03 09 32.5	-1.2
G22K	Bettles	86.65	21	P	P	03 09 33.3	-0.3
F22K	John River	86.66	20	P	P	03 09 33.6	-0.1
I23K	Minto, Yukon-K	86.73	23	IAMS_20	IAMS_20	03 43 57.6	
I23K	Minto, Yukon-K	86.73	23	P	P	03 09 34.0	-0.1
DHY	Denali Highway	86.77	25	P	P	03 09 34.1	-0.4
B21K	Ikpikpuk River	86.82	18	P	P	03 09 34.9	+0.5
KLU	Klutina	86.86	27	P	P	03 09 34.6	-0.3
H23K	Yukon River	86.93	22	IAMS_20	IAMS_20	03 41 17.7	
H23K	Yukon River	86.93	22	P	P	03 09 34.9	-0.2
M24K	Tolsona, Glenn	86.95	26	P	P	03 09 35.7	+0.4
A21K	Barrow	87.05	16	P	P	03 09 35.6	+0.1
E22K	Anaktuvuk Pass	87.06	20	IAMS_20	IAMS_20	03 42 55.9	
E22K	Anaktuvuk Pass	87.06	20	P	P	03 09 36.0	+0.3
KAIM	Kayak Island	87.06	29	P	P	03 09 36.0	+0.3
D22K	Aiyikyak River	87.09	19	P	P	03 09 36.7	+0.9
G23K	Bananza Creek	87.10	22	IAMS_20	IAMS_20	03 42 00.1	
G23K	Bananza Creek	87.10	22	P	P	03 09 36.1	+0.2
COLA	College	87.22	24	P	P	03 09 36.4	0.0
COLD	Coldfoot	87.24	21	P	P	03 09 36.6	+0.1
BMRM	Bremner River	87.30	28	P	P	03 09 36.8	-0.2
A22K	Sinclair Lake	87.36	17	P	P	03 09 36.8	-0.1
HDA	Harding Lake	87.42	24	P	P	03 09 37.1	-0.4
POKR	Poker Plat Res	87.48	23	P	P	03 09 37.2	-0.5
N25K	Chitina, Valde	87.50	27	P	P	03 09 37.6	-0.4
HARP	HAARP	87.50	26	P	P	03 09 37.1	-0.8
B22K	Teshkepuk Lake	87.51	18	P	P	03 09 37.8	+0.1
PAX	Paxson	87.55	26	P	P	03 09 37.7	-0.5
H24K	Noodor Dome	87.57	23	IAMS_20	IAMS_20	03 44 13.6	
H24K	Noodor Dome	87.57	23	P	P	03 09 37.5	-0.7
ILAR	Eielson Array	87.57	24	P	P	03 09 36.0	-2.1
ILAR	Eielson Array	87.57	24	P	P	03 09 36.2	-2.0
ILAR	comp=Z,7.1nm,0.7s			LR	LR	03 44 31.9	
BGLK	Bering Glacier	87.66	29	P	P	03 09 38.2	-0.4
G24K	Donnelly Dome	87.70	25	P	P	03 09 39.9	+0.7
E23K	Chandalar	87.78	20	P	P	03 09 39.9	+0.7
D23K	Nanushuk River	87.78	19	P	P	03 09 39.9	+0.8
CRQE	Cirque	87.94	28	P	P	03 09 39.8	-0.4
TOLK	Toolik Lake Re	88.02	20	P	P	03 09 40.0	-0.3

2018 APR

TOLK	comp=Z,30nm,1.0s			IAMB	IAMB	03 12 51.1	
TOLK	Toolik Lake Re	88.02	20	P	P	03 09 40.8	+0.5
G24K	Hadweenzic Riv	88.03	22	IAMS_20	IAMS_20	03 42 39.9	
G24K	Hadweenzic Riv	88.03	22	P	P	03 09 40.3	-0.1
RIDG	Independent Ri	88.07	25	P	P	03 09 40.1	-0.5
J25K	Salcha River,	88.13	24	P	P	03 09 40.0	-0.9
MCARA	McCarthy VSAT	88.15	28	P	P	03 09 41.3	+0.3
C23K	Itlikil River	88.16	19	P	P	03 09 40.9	0.0
F24K	Squaw Lake	88.18	21	IAMS_20	IAMS_20	03 42 32.7	
F24K	Squaw Lake	88.18	21	P	P	03 09 41.7	+0.6
MESA	MESA	88.31	29	P	P	03 09 42.2	+0.2
M26K	Nabesna, AK	88.46	27	IAMS_20	IAMS_20	03 43 39.4	
M26K	Nabesna, AK	88.46	27	P	P	03 09 42.1	-0.4
D24K	Happy Valley	88.47	19	P	P	03 09 43.2	+0.9
L26K	Log Cabin Wild	88.49	26	P	P	03 09 42.7	+0.1
SCRK	Sand Creek	88.50	25	P	P	03 09 41.9	-0.8
H25L	Birch Creek	88.50	23	P	P	03 09 42.4	-0.1
G24K	Bearman Lake	88.57	22	P	P	03 09 43.5	+0.7
C25K	Franklin Bluff	88.73	19	P	P	03 09 44.0	+0.5
CTG	Chitna Glacier	88.82	28	P	P	03 09 44.6	+0.2
FYU	Fort Yukon	88.83	22	IAMS_20	IAMS_20	03 44 34.9	
J26L	Joseph Creek	88.84	25	P	P	03 09 44.2	-0.1
M27K	Edge Creek, AK	88.95	27	IAMS_20	IAMS_20	03 45 12.3	
M27K	Edge Creek, AK	88.95	27	P	P	03 09 45.3	+0.3
F25K	Christian River	89.01	21	P	P	03 09 45.2	+0.2
L27K	Beaver Creek	89.16	26	IAMS_20	IAMS_20	03 43 48.9	
L27K	Beaver Creek	89.16	26	P	P	03 09 46.1	+0.3
BCAR	Beaver Creek A	89.18	26	P	P	03 09 45.8	-0.1
E25K	Arctic Village	89.22	21	IAMS_20	IAMS_20	03 46 01.1	
E25K	Arctic Village	89.22	21	P	P	03 09 46.7	+0.7
O28M	Mount Upton	89.31	29	P	P	03 09 46.4	-0.4
K27K	Chicken	89.32	25	IAMS_20	IAMS_20	03 43 17.0	
K27K	Chicken	89.32	25	P	P	03 09 47.3	+0.8
D25K	Kavik River	89.35	20	P	P	03 09 46.5	0.0
BMAR	Burnt Mountain	89.35	22	P	P	03 09 47.2	+0.6
BVCY	Beaver Creek	89.42	27	P	P	03 09 47.0	0.0
PNL	Peninsula	89.43	30	P	P	03 09 47.4	+0.4
YUK3	Moose Creek	89.44	28	P	P	03 09 47.2	-0.1
G26K	Porcupine Rive	89.49	22	P	P	03 09 47.6	+0.4
F26K	Sheenjik River	89.59	21	P	P	03 09 48.2	+0.5
YUK8	Steele Glacier	89.64	28	P	P	03 09 48.3	0.0
GEYT	Alibek	89.68	30	P	P	03 09 48.2	-0.6
GEYT	Alibek	89.68	30	P	P	03 09 48.4	-0.4
EGAK	Eagle	89.91	25	IAMS_20	IAMS_20	03 45 16.5	
EGAK	Eagle	89.91	25	P	P	03 09 49.0	-0.2
I27K	Kandik River	89.95	24	P	P	03 09 49.7	+0.3
O29M	Mount Kennedy	89.98	29	P	P	03 09 49.8	0.0
C26K	Camden Bay	90.03	19	P	P	03 09 50.0	+0.4
AB31	Akbulak array	90.14	31	P	P	03 09 48.3	-2.3
ABKAR	Akbulak array	90.14	31	P	P	03 09 49.2	-1.4
ABKAR	Akbulak array	90.14	31	P	P	03 09 49.4	-1.2
H27K	Steamboat Moun	90.15	23	P	P	03 09 50.5	+0.2
YUK4	Talbot Arm	90.18	28	P	P	03 09 51.5	+0.7
YUK6	Outpost Mounta	90.22	29	P	P	03 09 51.0	0.0
P29M	Windy Craggy	90.24	30	P	P	03 09 51.2	+0.3
G27K	Doyon Strip	90.26	23	IAMS_20	IAMS_20	03 46 28.7	
G27K	Doyon Strip	90.26	23	P	P	03 09 50.9	+0.1
DAWY	Dawson	90.47	25	P	P	03 09 51.1	-0.8
DAWY	Dawson	90.47	25	P	P	03 09 52.0	+0.1
M29M	Somme Creek	90.51	27	P	P	03 09 52.0	-0.2
I28M	Miner Creek	90.58	24	P	P	03 09 52.0	-0.5
HYT	Haines Junctio	90.61	29	P	P	03 09 52.6	-0.1
E27K	Coleen River	90.66	21	IAMS_20	IAMS_20	03 43 49.1	
E27K	Coleen River	90.66	21	P	P	03 09 52.8	+0.2
P30M	Million Dollar						

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like HDIL, L44A, TUE, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like O18K, O19K, O19K, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like DFR, NCT, RDJH, etc.

IDC 07 03:06:30.6:215.0,72.46N:78.08W,h0km, Error ellipse: s-maj=119.8km s-min=88.3km az=170.0,Baffin Island region

NOU 07 03:07:25.3,15.57S:166.52E,h0km,MLV4.7/9,Vanuatu Islands,Vanuatu Islands

NEIC 07 03:09:09.1:7.56:06N:0.06:149.85W,0.09,h5km,1km, mb4.8/91,ML4.9/58,MW5.2/71,ML4.7(AEIC), Error ellipse: s-maj=8.3km s-min=6.9km az=174.0

NEIC 07 03:09:10.1:56.07N:149.86W,h12km,Moment Tensor Solution. Duration: 20 Moment tensor: Scale 10^16Nm; M=0.71; Mw=0.42; Mw0.29; Mw1.02; Mw2.27; Mw1.29; Fault plane solution: Mo:7.48000x10^16 NP1:0.1,10000°, 381.14000°, -1.169,18000° NP2:0.269,41000°, 379.31000°, -9.02000° Principal axes: T 7.6326, P1g1.0000°, Azm135.0000°, N -0.3123, P1g275.0000°, Azm40.0000°, P -7.3203, P1g14.0000°, Azm25.0000°, MOS 07 03:09:10.3:4.66:06N:149.78W,h10km,mb4.8/33,MS4.7/4 Error ellipse: s-maj=10.3km s-min=5.0km az=97.4

NEIC 07 03:09:10.1:56.07N:149.86W,h12km, Moment Tensor Solution. Duration: 20 Moment tensor: Scale 10^16Nm; M=0.71; Mw=0.42; Mw0.29; Mw1.02; Mw2.27; Mw1.29; Fault plane solution: Mo:7.48000x10^16 NP1:0.1,10000°, 381.14000°, -1.169,18000° NP2:0.269,41000°, 379.31000°, -9.02000° Principal axes: T 7.6326, P1g1.0000°, Azm135.0000°, N -0.3123, P1g275.0000°, Azm40.0000°, P -7.3203, P1g14.0000°, Azm25.0000°, MOS 07 03:09:10.3:4.66:06N:149.78W,h10km,mb4.8/33,MS4.7/4 Error ellipse: s-maj=10.3km s-min=5.0km az=97.4

Table with 10 columns: Station ID, Name, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Station Type, and Status. Includes stations like M24K Tolsona, Glenn; MCARA McCarthy VSAT; PTPK Patty Peak; etc.

Table with 10 columns: Station ID, Name, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Station Type, and Status. Includes stations like L15K Ungalak Mounta; M13K Dall Lake; J20K Nowinta River; etc.

Table with 10 columns: Station ID, Name, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Station Type, and Status. Includes stations like G23K Bananza Creek; G19K Purcell Mounta; G24K Hadweencz Riv; etc.





2018 APR

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like MDJ, PAL, CBN, KMSC, HRV, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like BVAR, KURBS, DEL, XAN, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like AAK, JAVC, MODS, etc.









Table with columns: Station Name, Frequency, Power, Mode, QRM, QRS, QST, and other details. Includes stations like EYAK Cordova Ski Ar, G21K Allakaket, WAT16 Susitna Watana, etc.

Table with columns: Station Name, Frequency, Power, Mode, QRM, QRS, QST, and other details. Includes stations like A22K Sinclair Lake, B22K Tesheqpek Lake, D23K Nanushuk River, etc.

Table with columns: Station Name, Frequency, Power, Mode, QRM, QRS, QST, and other details. Includes stations like K29M Barlow Dome, T33K Petersburg, E27K Colean River, etc.

2018 APR

Table of station data for the 2018 APR period, including columns for station name, coordinates, and other parameters. Includes entries like TUQ Turquoise Mountain, GMRC Granite Mount, BC3 Big Chuckawall, etc.

Table of station data for the 2018 APR period, continuing from the previous table. Includes entries like LANS Liptovska Anna, M53A WI Miller, O53A New Philadelphia, etc.

Table of station data for the 2018 APR period, continuing from the previous table. Includes entries like NNC 07 05:40:17.0, UCH Uchtor, EK25 Erkin-Saray, etc.



Table with columns for station call letters, location, time, and other details. Includes stations like Manton Dam, Townsville Har, Ayer Stater High, etc.

Table with columns for station call letters, location, time, and other details. Includes stations like WRKA Warakurna, MPSI Mapaga, AUWSh Wavell State H, etc.

Table with columns for station call letters, location, time, and other details. Includes stations like TOO Toolangi, UGM Wanagama, KMBL Kambalada, etc.

7d 5h

Table with columns for station code, name, coordinates, and various status indicators (P, S, I, etc.) and values.

2018 APR

Table with columns for station code, name, coordinates, and various status indicators (S, I, P, etc.) and values.

432

Table with columns for station code, name, coordinates, and various status indicators (P, S, I, etc.) and values.

433

Table with columns for flight code (e.g., YUK, MCQ), destination (e.g., Macquarie Isla), time (e.g., 05.23 168), and status (e.g., P, Pmax).

2018 APR

Table with columns for flight code (e.g., CD2, JOHN), destination (e.g., Johnston Island), time (e.g., 52.44 64), and status (e.g., P, Pmax).

7d 5h

Table with columns for flight code (e.g., TYV, KOHI), destination (e.g., Severo-Kuril's), time (e.g., 56.56 306), and status (e.g., P, Pmax).

Table with columns for station codes (GOMU, GTK, YAK, etc.), frequencies, and various signal quality metrics like SNR, SNRf, and error rates.

Table with columns for station codes (TBI, BOD, GSTR, etc.), frequencies, and various signal quality metrics like SNR, SNRf, and error rates.

Table with columns for station codes (ZHN, BILL, BILB, etc.), frequencies, and various signal quality metrics like SNR, SNRf, and error rates.

Table with columns for station ID, name, coordinates, and performance metrics. Includes stations like KURBB, KURBS, O14K, O14K, O14K, O14K, EKS2, N14K, N14K, DRK, DRK, DRK, DRK, M14K, M14K, M14K, L14K, L14K, L14K, O15K, O15K, BTLS, BTLS, BTLS, BTLS, R16K, R16K, CHIR, CHIR, CHIR, N15K, N15K, N15K, M15K, M15K, M15K, J14K, J14K, J14K, J14K, KBU, L15K, L15K, TNA, TNA, KBL, KBL, KBL, KBL, P16K, P16K, P16K, P16K, ANM, ANM, ANM, K15K, K15K, K15K, O16K, O16K, O16K, F14K, F14K, N16K, N16K, Q16K, Q16K, DZA, DZA, M16K, M16K, MAW, MAW, MAW, MAW, SII, SII, SII, L16K, L16K, L16K, O17K, O17K.

Table with columns for station ID, name, coordinates, and performance metrics. Includes stations like P17K, P17K, G15K, G15K, G15K, CHGR, CHGR, SIMJ, SIMJ, F15K, F15K, F15K, N17K, N17K, N17K, N17K, KK31, KK31, J16K, J16K, IUG, IUG, IUG, IUG, H16K, H16K, OHAK, OHAK, OHAK, OHAK, I17K, I17K, I17K, I17K, M17K, M17K, M17K, M17K, L17K, L17K, L17K, P18K, P18K, P18K, P18K, OTUK, OTUK, CHM, CHM, CHM, CHM, BRLS, BRLS, BRLS, O18K, O18K, O18K, G16K, G16K, G16K, K17K, K17K, K17K, K17K, N18K, N18K, N18K, BRZS, BRZS, BRZS, BRZS, Q19K, Q19K, Q19K, Q19K, KDAK, KDAK, KDAK, KDAK, SVW2, SVW2, L18K, L18K, L18K, L18K, M18K, M18K, M18K, M18K, O19K, O19K, O19K, O19K, H17K, H17K, H17K, G17K, G17K, G17K, G17K.

Table with columns for station ID, name, coordinates, and performance metrics. Includes stations like C16K, C16K, N19K, N19K, N19K, N19K, Q20K, Q20K, Q20K, SYI, SYI, P19K, P19K, F17K, F17K, F17K, ILSW, ILSW, J18K, J18K, J18K, J18K, D17K, D17K, TTA, TTA, TTA, E17K, E17K, E17K, L19K, L19K, L19K, L19K, O20K, O20K, M19K, M19K, M19K, M19K, H18K, H18K, H18K, RDOG, RDOG, RDOG, C17K, C17K, C17K, HOM, HOM, HOM, G18K, G18K, G18K, G18K, F18K, F18K, F18K, GCSA, GCSA, GCSA, CNPM, CNPM, E18K, E18K, E18K, E18K, J19K, J19K, J19K, L20K, L20K, L20K, M20K, M20K, M20K, M20K, N20K, N20K, N20K, N20K, BRLL, BRLL, BRSE, BRSE, BRSE, K20K, K20K, K20K, H19K, H19K, H19K, H19K, CAPN, CAPN, CAPN, CAPN, C18K, C18K, C18K, NRIK, NRIK, NRIK, NRIK, NRIK, G19K, G19K, G19K, G19K, F19K, F19K, F19K, F19K, J20K, J20K, J20K, J20K.

2018 APR

Table with columns: Station, Frequency, Power, Mode, and Date/Time. Includes entries like QSPA South Pole Qui, QSPA South Pole Qui, QSPA comp=Z, 2.0nm, 0.8s, B18K Kokolik River, B18K Kokolik River, BVAO Borovoye Array, BVAR Borovoye Array, BVAR comp=Z, 0.7nm, 0.5s, SKT Skvennina, SKT Skvennina, BRVK Borovoye, BRVK Borovoye, BRVK Borovoye, BRVK Borovoye, I20K Naaghdeneel, I20K Naaghdeneel, PPLA Purkeypale, PPLA Purkeypale, SUA Susitna One, SUA Susitna One, SUA Susitna One, H20K Anottieneega Mo, H20K Anottieneega Mo, SEW Seward, SEW Seward, O22K Cooper Landing, O22K Cooper Landing, O22K Cooper Landing, F19K Fire Island, F19K Fire Island, E19K Redstone River, E19K Redstone River, CAST Castle Rocks, CAST Castle Rocks, C19K Lookout Ridge, C19K Lookout Ridge, RC01 Rabbit Creek A, RC01 Rabbit Creek A, RC01 Rabbit Creek A, CHUM Lake Minchummin, CHUM Lake Minchummin, M22K Willow, M22K Willow, D19K Kuna River, D19K Kuna River, D19K Kuna River, A19K Wainwright, A19K Wainwright, F20K Avaraat Lake, F20K Avaraat Lake, NGCH Negor - Chabah, NGCH Negor - Chabah, CUT Chulitna, CUT Chulitna, RER Riviere de l'E, RER Riviere de l'E, KTH Kantishna Hill, KTH Kantishna Hill, PMR Palmer, PMR Palmer, PMR Palmer, H21K Melozitna Rive, H21K Melozitna Rive, E20K Nigu River, E20K Nigu River, GHO Glory Hole Cre, GHO Glory Hole Cre, BPAW Bear Paw Mtn, BPAW Bear Paw Mtn, BPAW Bear Paw Mtn, P23K Montague Islan, P23K Montague Islan, TRF Thorofare Moun, TRF Thorofare Moun, TRF Thorofare Moun, KNK Knik Glacier, KNK Knik Glacier, D20K Etlvuk River, D20K Etlvuk River, I21K Tanana, I21K Tanana, I21K Tanana, G21K Allakaket, G21K Allakaket

Table with columns: Station, Frequency, Power, Mode, and Date/Time. Includes entries like G21K Allakaket, G21K Allakaket, G21K Allakaket, HRA Herat, HRA Herat, SML Sawmill, SML Sawmill, Q23K Middletone Ista, Q23K Middletone Ista, F21K Alatina River, F21K Alatina River, F21K Alatina River, F21K Alatina River, GLI Glacier Island, GLI Glacier Island, MLY Manley, MLY Manley, MLY Manley, M23K Glacier View, M23K Glacier View, WAT1 Susitna Watana, WAT1 Susitna Watana, B20K Meade River, B20K Meade River, H22K Ishtalaitna Cre, H22K Ishtalaitna Cre, RND Reindeer, RND Reindeer, RND Reindeer, JLN Janani Bani Buh, JLN Janani Bani Buh, BWN Browne, BWN Browne, MCK McKinley, MCK McKinley, SCM Sheep Creek Mo, SCM Sheep Creek Mo, E21K Killik River, E21K Killik River, WAT6 Susitna Watana, WAT6 Susitna Watana, C21K Knitblade Rid, C21K Knitblade Rid, G22K Bettles, G22K Bettles, NEA2 Nenana, NEA2 Nenana, F22K John River, F22K John River, EYAK Cordova Ski Ar, EYAK Cordova Ski Ar, EYAK Cordova Ski Ar, I23K Minto, Yukon-K, I23K Minto, Yukon-K, I23K Minto, Yukon-K, I23K Minto, Yukon-K, WBK Wadi Bani Khal, WBK Wadi Bani Khal, DHY Denali Highway, DHY Denali Highway, B21K Ikpikpak River, B21K Ikpikpak River, B21K Ikpikpak River, KLU Klutina, KLU Klutina, H23K Yukon River, H23K Yukon River, M24K Tolsona, Glenn, M24K Tolsona, Glenn, M24K Tolsona, Glenn, WRH Wood River Hil, WRH Wood River Hil, A21K Barrow, A21K Barrow, A21K Barrow, E22K Anaktuv Pass, E22K Anaktuv Pass, E22K Anaktuv Pass, M5EY Mahe Island, M5EY Mahe Island, M5EY Mahe Island, M5EY Mahe Island, M5EY Mahe Island, M5EY Mahe Island, D22K Aiyikyak River, D22K Aiyikyak River, D22K Aiyikyak River, G23K Bananza Creek, G23K Bananza Creek, G23K Bananza Creek, G23K Kayak Island, G23K Kayak Island, KAIM Kayak Island, KAIM Kayak Island, RAGM Ragged Moutai, RAGM Ragged Moutai, RAGM Ragged Moutai

Table with columns: Station, Frequency, Power, Mode, and Date/Time. Includes entries like COLA College, COLA College, COLA College, COLA College, COLD Coldfoot, COLD Coldfoot, A22K Sinclair Lake, A22K Sinclair Lake, BMRM Bremner River, BMRM Bremner River, HDA Harding Lake, HDA Harding Lake, HDA Harding Lake, HDA Harding Lake, SUCK Suckling Hills, SUCK Suckling Hills, B22K Teshekuk Lake, B22K Teshekuk Lake, B22K Teshekuk Lake, MHTO MHTO, MHTO MHTO, POKR Poker Plat Res, POKR Poker Plat Res, HARP HAARP, HARP HAARP, HARP HAARP, N25K Chitina, Valde, N25K Chitina, Valde, JMD0 Jabal Madar, JMD0 Jabal Madar, H24K Noodor Dome, H24K Noodor Dome, H24K Noodor Dome, PAX Paxon, PAX Paxon, BERG Berg Lake, BERG Berg Lake, ILAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, BIDO Bidbid, BIDO Bidbid, SMDO Samad, SMDO Samad, BGLO Bering Glacier, BGLO Bering Glacier, K24K Donnelly Dome, K24K Donnelly Dome, D23K Nanushuk River, D23K Nanushuk River, E23K Chandalar, E23K Chandalar, GLB Gilahina Butte, GLB Gilahina Butte, CRQE Cirque, CRQE Cirque, TOLK Toolik Lake Re, TOLK Toolik Lake Re, TOLK Toolik Lake Re, G24K Hadweenzin Riv, G24K Hadweenzin Riv, G24K Hadweenzin Riv, RIDG Independent Ri, RIDG Independent Ri, RIDG Independent Ri, C23K Itkillik River, C23K Itkillik River, C23K Itkillik River, J25K Salcha River, J25K Salcha River, J25K Salcha River, F24K Squaw Lake, F24K Squaw Lake, F24K Squaw Lake, MCARA McCarty VSAT, MCARA McCarty VSAT, JASK Jask - Hormozg, JASK Jask - Hormozg, MENT Mentasta, MENT Mentasta, MENT Mentasta, MESA MESA, MESA MESA, PRP Porcupine Dome, PRP Porcupine Dome, PRP Porcupine Dome, BSY Bieva, BSY Bieva, HOQ Hoqain, HOQ Hoqain, D24K Happy Valley, D24K Happy Valley, D24K Happy Valley, M26K Nabesna, AK, M26K Nabesna, AK, M26K Nabesna, AK, H25L Birch Creek, H25L Birch Creek, H25L Birch Creek

Table of trip data for page 437, including columns for station ID, name, date, time, and other details. Entries include L26K Log Cabin Wild, SCRK Sand Creek, G25K Bearman Lake, etc.

Table of trip data for page 2018 APR, including columns for station ID, name, date, time, and other details. Entries include H27K baz=255, YUK4 Talbot Arm, G27K Doyon Strip, etc.

Table of trip data for page 7d 5h, including columns for station ID, name, date, time, and other details. Entries include WHY baz=261, J30M Hart River, J30M Hart River, etc.





Table with columns: Station, Frequency, Power, Mode, and various status indicators. Includes stations like RLMT Red Lodge, P18A Preston Nutter, B706 Boulder Array, etc.

Table with columns: Station, Frequency, Power, Mode, and various status indicators. Includes stations like RSSD Black Hills, T25A Trinidad, VRI Vriocioia, etc.

Table with columns: Station, Frequency, Power, Mode, and various status indicators. Includes stations like MORC Moravsky Berou, WMOK Wichita Mountain, L34A Svendsen Farm, etc.

Table with columns: PRU, PRA, 235A, DRME, DEOK, CONA, CONA, CONA, E38A, WHTX, WHTX, BSEB, GORT1, GORT1, 435B, UNM, HSKC, HSKC, HSKC, AY03, 735A, NEVS, KOGS, HCY, BLY, ARSA, ARSA, A051A, TUL3, CKRC, FLTG, FLTG, MGRS, SCIA, SRKY, K36A, STON, KHC, KHC, KHC, NEUB, NEUB, TANN, TANN, GEC2, GEC2, GERES, GERES, ASSE, ASSE, NKCC, NKCC, A050A, PLN, MOA, MOA, PERS, PERS, PERS, SOKA, SOKA, NRDL, NRDL, RLO, CRES, X37A, P38A, MOX, MOX, MOX, WET, WET, CLZ, CLZ, MANZ, MANZ, MANZ, RETH, RETH, ROTZ, ROTZ, ROTZ, BOJS, BOJK, OBKA, OBKA, 237A

Table with columns: BIOA, BIOA, BIOA, EFI, LJU, LJU, LJU, GTTG, GTTG, D41A, I40A, COYC, COWI, Z38A, CEY, GRF, GRF, GRF, KBA, KBA, KBA, MYKA, MYKA, UBBA, UBBA, L40A, LESA, LESA, LESA, A401, A401, IBBN, IBBN, JFWS, NATX, NATX, F42A, ABTA, ABTA, MIAR, FUR, FUR, KASTN, KASTN, TIP, N41A, I42A, WTTA, WTTA, WATA, WATA, E43A, BUG, BUG, L42A, L42A, SQTA, SQTA, SOTA, SOTA, MOTA, MOTA, TNS, WLAR, WLAR, RETA, RETA, RETA, H43A, CCM, FCAR, WHAR, LL06, FETA, FETA, FETA, STU, STU, UALR, UBR, UBR, MCD, Z41A, LL02, AHRW, AHRW, K43A, LINV

Table with columns: DAVA, DAVA, 441A, HDIL, HDIL, LL01, P43A, BTNL, MEM, L44A, L44A, CCAR, BFO, BFO, BHOU, HQIL, G45A, M44A, BSI, I45A, E46A, W44A, WLF, BCLA, Q44A, INVG, BCES, HCH, BMRD, VLLC, EDMO, GLMI, GLMI, HDBT, EKA, EKA, ESK, DOU, MET, PGBU, L46A, OLIL, SFIN, SFIN, HPK, VBMS, VBMS, P46A, KEW, NEWG, J47A, CLTB, OXF, OXF, LR03, Y45A, LBWR, PLCA, PLCA, GALI, N47A, CWF, BLO, CLGH, WWT, L48A, I49A, I49A, 146A, PLAL, 346A, O48B, O48B, WCI, AAM, AAM, FOEL, P48A, HLM1, WLF1, YLL, LLW, N49A, SCHO, K50A, O49A, VLDQ, P49A, P49A, X48A, X48A, LRAL, RRSB, ACSO, ACSO

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like Y49A, N51A, SADA, P51A, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like LBNH, 456A, HNH, CO03, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like PATCX, TA01, AF01, PNCL, etc.

DCI 07 05:52:37.2, 3.2, 42.30N; 146:00E, h0km, mb4.2, 6. m, mbmp4.2, 6.0, 1.4, 4.2, 3.3N; 146:00E, h53km, 3km, mb4.5/4

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Res. Includes stations like NEM2, NEM2, NEM2, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Yuzh-Kuril'sk, Ashorobuto, Kuril'sk, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Cerro Pekin, San Cristobal, San Cristobal, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like InterUniversit, Esperanza - Ma, etc.

SNET 07 06:02:53.4 ± 1.0, 101.79N-87.08W, h15km, 193km, ML3.8
UCR 07 06:02:58.8 ± 1.7, 11.26N-87.07W, h16km, 15km, MW4.4
CATAC 07 06:03:02.6 ± 0.5, 11.47N-87.06W, h28km, 5km, ML3.8
ISC 07 06:02:58.7 ± 1.3, 11.27N-0.03-87.07W ± 0.04, h10km ± 10km, n85, e134/92, Near coast of Nicaragua

NEIC 07 06:09:42.9 ± 1.3, 18.9N:0.1x64.83W:0.02, h35km ± 2km,
ML2.9/26, MD3.4/10(RSPR), Error ellipse: s-maj=19.9km
s-min=2.1km az=6.0

RSRP 07 06:09:42.6 ± 18.91N-64.74W, h30km ± 20km, MD3.4/10
ISC 07 06:09:41.8 ± 1.8, 18.9N:0.1x64.84W:0.04, h25km ± n48,
e062/49, 11C, Virgin Islands

IDC 07 06:31:48.7 ± 0.7, 43.36S:91.88E, h0km, mb4.2/11,
mbmp4.2/11, Error ellipse: s-maj=26.2km s-min=17.6km

NEIC 07 06:31:49.6 ± 1.6, 43.35S:0.1x91.3E:0.2, h10km ± 1km,
mb4.8/32, Error ellipse: s-maj=21.9km s-min=17.5km
az=288.0

ISC 07 06:31:49.3 ± 0.5, 43.31S:0.09-91.4E:0.1, h10km ± n63,
e084/53, mb4.7/24, Southeast Indian Ridge

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Cape Leeuwin, Crozet Islands, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GEYT Alibeck, GYA0B ALIBECK ARRAY, KK31 Karatay Array, etc.

NEIC 07 06:36:34.0±1.4, 56°47'N, 0°04'148.59'W, 0.10, h26km, 9km, mb3.4/2, ML3.6/66, ML3.3(AE/C), Error ellipse: s-maj=8.3km s-min=4.6km az=109.0

AEIC 07 06:36:36.9±1.3, 56°51'N, 0°08'148.66'W, 0.05, h10km, 1km, Error ellipse: s-maj=12.2km s-min=8.1km az=167.0

ISC 07 06:36:31.7±1.3, 56°51'N, 0°08'148.66'W, 0.05, h10km, n160, c122/173, Gulf of Alaska

Main station list table for the left column, including OHAK Old Harbor, SYI Shuyak Island, Q20K, etc.

Main station list table for the middle column, including RAGHA Ragged Mount, NICHAN Nichawak Mount, HMT Hamilton, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like S32K Killisnoo, O30N Mendenhall, JIS Juneau Island, etc.

IDC 07 06:41:47.0±1.8, 5°45'N, 142°72'W, h0km, mb3.9/2, mbtmp3.8/4, ML3.8/2, Error ellipse: s-maj=94.4km s-min=30.8km az=110.0, New Guinea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, WRA, ASAR, etc.

CATAC 07 06:42:11.5±0.7, 11°26'N, 87°09'W, h6km, 5km, ML3.2, Near coast of Nicaragua

Main station list table for the right column, including MSHP Masachapa, COPN Copaltepe, RB213 Mirador 2 Voic, etc.

CATAC 07 06:44:45.3±0.9, 9°15'N, 82°45'W, h6km, 7km, ML2.4 UPA 07 06:44:45.3±0.9, 9°07'N, 82°40'W, h10km, 9km, MW2.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CATAC, UPA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CHGR2 Aguacate, CN12 El Empalme, BCO2 Palmira, etc.

NOU 07:06:53:30.1,20:99S:169:78E, h0km, MLV4.0/9, Vanuatu Islands, Vanuatu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MARNC Mare, LIFNC LIFOU, PINNC Pines Island, etc.

IDC 07:07:09:42.7,1.8,1.79N:126:45E, h0km, mb3.4/4, mbtmp3.4/4, Error ellipse: s-maj=163.3km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

NEIC 07:07:22:58.6,0.8,42:58N:0:02:11:44W:0:02, h8km, 10km, ML3.4/78, ML3.5/17(UUSS), Error ellipse: s-maj=2.4km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AHID Auburn Hatcher, GRRI Grays Lake, etc.

ISG 07:07:22:58.3,1.2,42:59N:0:02:11:44W:0:03, h1km, 11km, n53, r092/62, Eastern Idaho

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AHID Auburn Hatcher, GRRI Grays Lake, REDW Red Top Meadow, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BSUT Blindstream Ca, LKWH Lake, YNR Norris Junction, etc.

IDC 07:07:37:05.9,2.7,38:25N:123:59W, h0km, mbtmp3.2/6, ML2.8/5, Error ellipse: s-maj=30.5km s-min=10.6km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MVU Marysvale, SPR3 Spring Creek, Q12A Willow Creek, etc.

NEIC 07:07:15:2.2,5.3,82:0N:0:02:122:80W:0:01, h10km, 6km, Error ellipse: s-maj=2.4km s-min=1.2km az=204.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GCRM Castle Rock Sp, GBCM Biggs Mountain, GDXM Geyers, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VAK Adit at Lawren, BL67 Building 67, CVPM Volmer Peak, etc.

IDC 07:07:37:05.9,2.7,38:25N:123:59W, h0km, mbtmp3.2/6, ML2.8/5, Error ellipse: s-maj=30.5km s-min=10.6km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WAKR Walker, BBGB Big Mountain B, YERR Yerington, etc.

Table with columns: WCT, IAML, Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes entries for CCAC, ELK, Q12A, SPR3, PFO, PDAR, TXAR.

IDC 07 07:39:28.0, 0.7, 28.87S; 177.25W, h0km, mb3.8/6, mbtmp3.8/6, Error ellipse: s-maj=30.5km s-min=14.9km az=143.0

ISC 07 07:39:33.4, 0.7, 28.93S; 177.3W, 0.1, h35km, n25, 0581/20, mb3.9/6, Kermadec Islands region

Main station list table for the first section, including RAOU, URZ, ASAR, WRA, VNSA, QSPA, H03S2, H03S1, H03S3, H03N3, H03N2, H03N1, NVAR, MKAR, KURBB, BVAR, FINAR, NB2, NOA, HFS, AKASG, MMAI, BRTR, TORD, TORD.

IDC 07 07:54:08.1, 2.1, 1.35N; 127.65E, h0km, mb3.4/4, mbtmp3.4/4, Error ellipse: s-maj=194.1km s-min=22.1km az=68.0, Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes entries for WRA, ASAR, MKAR, KURBB.

IDC 07 07:54:38.0, 8.9, 57.08N; 33.39W, h0km, mb3.5/11, mbtmp3.6/13, ML2.7/2, Error ellipse: s-maj=33.0km s-min=16.2km az=7.0

ISC 07 07:54:40.8, 8.5, 57.11N; 02.33W, 0.1, h14km, n15, 0588/16, mb3.6/11, Reykjanes Ridge

Main station list table for the second section, including FRB, SCHO, YKA, BRTR, KBZ, ILAR, PDAR, TORD, BVAR, NVAR, KURBB, MKAR, ASAR, QSPA.

2018 APR JMA 07 07:54:56.5, 0.2, 24.2N; 0.4, 123.7E, 0.7, h16km, 1km, MV1.1/6, NEAR ISHIGAKIJIMA ISLAND, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes entries for IRIF, HATU, JKRS, JKRS, JIJ, JISG, JISG.

TAP 07 07:55:10.8, 24.10N; 121.58E, h9km, ML1.6, B, Taiwan

Main station list table for the third section, including TWD, ETL, ETL, NACB, NACB, HWA, HWA, ETLH, ETLH, ETM, ETM, ETM, LXIB, LXIB, EHP, EHP, WHF, WHF, ESL, ESL, CHGB, CHGB, NNSB, NNSB, NNS, NNS, OWD, OWD, EWUT, EWUT, TDCB, TDCB, WARB, WARB, WARB, WARB, WUSB, WUSB, WUSB, WUSB, LATG, LATG, LATG, LATG, NDT, NDT, VWDT, VWDT, VWDT, VWDT, ENTT, ENTT, TWC, TWC, YHNB, YHNB, YHNB, YHNB, NSK, NSK, SSSL, SSSL.

WEL 07 07:59:04.6, 0.5, 38.5S; 177.8E, h37km, 6km, M3.5/18, s-min=0.0km az=163.9, confirmed

NOU 07 07:59:04.7, 38.01S; 177.56E, h35km, MLV4.0/9, North Island, New Zealand

ISC 07 07:59:06.1, 2.1, 37.96S; 0.04, 177.51E; 0.03, h37km, 1km, n128, 0199/122, Off east coast of North Island

Main station list table for the fourth section, including RUGZ, RUGZ, HAZ, HAZ, MWZ, MWZ, MWZ, MWZ, URZ, URZ, URZ, URZ, WHRZ, WHRZ, PKGZ, PKGZ, WIZ, WIZ, WSRZ, WSRZ, RAGZ, RAGZ, TKGZ, TKGZ, PUGZ, PUGZ, EDZ, EDZ, MARZ, MARZ, WMGZ, WMGZ, MXZ, MXZ, MXZ, MXZ, CNZ, CNZ, OPRZ, OPRZ, RIGZ, RIGZ, RTZ, RTZ, MUGZ, MUGZ, SNZ, SNZ, TARZ, TARZ, MKRZ, MKRZ, RRRZ, RRRZ, LIRZ, LIRZ, ONRZ, ONRZ, HLZ, HLZ, PRGZ, PRGZ, KARZ, KARZ, RAHZ, RAHZ, IGRZ, IGRZ, PRZ, PRZ, MTHZ, MTHZ, NGRZ, NGRZ, HRRZ, HRRZ, HSRZ, HSRZ, UTU, UTU, KNZ, KNZ.

7d 8h ALRZ, WHZ, GRZ, WPRZ, KMRZ, KMRZ, ARHZ, KUTZ, BKZ, BKZ, WATZ, WATZ, TOZ, MCHZ, RATZ, RITZ, RITZ, KAWZ, KAWZ, TMVZ, TMVZ, NTVZ, NTVZ, KRZ, KRZ, NNZ, NNZ, KAHZ, KAHZ, WTVZ, WTVZ, BHHZ, BHHZ, KRHZ, KRHZ, SNVZ, SNVZ, NGZ, NGZ, TUVZ, TUVZ, TWVZ, TWVZ, COVZ, COVZ, WHVZ, WHVZ, FWVZ, FWVZ, MAVZ, MAVZ, WNVZ, WNVZ, MKAZ, MKAZ, PNVZ, PNVZ, MTVZ, MTVZ, PKVZ, PKVZ, HIZ, HIZ, HIZ, HIZ, PNHZ, PNHZ, MWZ, MWZ, KBAZ, KBAZ, WPHZ, WPHZ, ETAZ, ETAZ, GRZ, GRZ, MIBAZ, MIBAZ, PRHZ, PRHZ, TSZ, TSZ, AWAZ, AWAZ, HRZ, HRZ, BRZ, BRZ, BFZ, BFZ, BFZ, BFZ, PKE, PKE, KHEZ, KHEZ, TIWZ, TIWZ, MRZ, MRZ, NBEZ, NBEZ, PYZ, PYZ, HOWZ, HOWZ, OGWZ, OGWZ, KIW, KIW, DUWZ, DUWZ, TQW, TQW, OUZ, OUZ, OUZ, OUZ, NNZ, NNZ, QRZ, QRZ, QRZ, QRZ, CTZ, CTZ, CTZ, CTZ.

IDC 07 08:05:48.5, 7.2, 19.52S; 177.83W, h566km, 71km, mb3.4/6, mbtmp4.4/8, Error ellipse: s-maj=58.0km s-min=21.2km az=51.0

ISC 07 08:05:46.7, 1.4, 19.55S; 0.2, 177.7W, 0.2, h550km, n11, 0116/12, mb4.0/6, Fiji Islands region

Main station list table for the fifth section, including DZM, URZ, PMG, STKA, ASAR, ASAR, WRA, GSPA, CMAR, BRTR, MMAI, GERES.

NEIC 07 08:05:57.7, 1.7, 2.70N; 0.09, 128.7E; 0.1, h235km, 5km, mb4.6/39, Error ellipse: s-maj=15.7km s-min=12.5km az=56.0

IDC 07 08:05:58.5, 2.0, 2.69N; 128.66E, h250km, 19km, mb3.9/22, mbtmp4.5/22, Error ellipse: s-maj=19.1km s-min=8.1km az=62.0

DJA 07 08:05:58.5, 1.0, 6.3N; 172.9E, h234km, 4km, M4.4/13, mB5.1/2, mb4.4/13, MLV4.5/10, Mw(mB)4.5/2

ISC 07 08:05:58.6, 0.4, 2.69N; 0.05, 128.60E; 0.08, h250km, n108, 01306/111, mb4.3/48, Halmahera

Main station list table for the sixth section, including TINTI, TINTI, TINTI, TINTI, SGSI, SGSI, LBMI, LBMI, KMSI, KMSI, SANI, SANI, GTOI, GTOI, NLAI, NLAI, FAKI, FAKI, FAKI, FAKI, LUWI, LUWI, LUWI, LUWI, TOLIZ, TOLIZ, MYLDM, MYLDM.

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

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like MAKZ, MAKZ, LBZ, LBZ, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like PIC2, EI Picacho, UEES, etc.



Table with columns: Station Name, Time, Res, ISC, Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like GOGA Godfrey, VHRN Van Horn, TKL Tuckaleechee C, etc.

IDC 07 08:29:40.9.6.1, 6.675:129.73E, h183km, 64km, mb2.9/1, mbtmp3.5/3, Error ellipse: s-maj=128.1km s-min=23.7km az=71.0, Banda Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, etc.

KOLA 07 08:26:55.4, 78.37N:8.65E, h0km, ML2.5, Error ellipse: s-maj=14.1km s-min=9.6km az=80.0, Greenland sea

NAO 07 08:26:55.2, 4.4, 78.43N:7.57E, h22km, 48km, ML2.6, FCIAR 07 08:26:59.0, 78.41N:8.41E, h10km, station ZF12 has station magnitude of 3.40 station OMEGA has station magnitude of 3.40

ISC 07 08:26:56.1, 5.7, 78.45N:0.06, 8.30E:0.06, h29km, 13km, m27, c1837/50, 2C, Svalbard region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like KBS Kingsbay, BRBB Barentsburg B, etc.

SPAO Spitsbergen A 1.27 105 Pn Pn 08 27 19.1 -0.3

SPAO Spitsbergen Ar 1.67 96 Pn Pn 08 27 25.8 -0.3

SPAO Spitsbergen Ar 1.67 96 Pn Pn 08 27 25.8 -0.3

SPAO Spitsbergen Ar 1.67 96 Pn Pn 08 27 25.8 -0.3

SPAO Spitsbergen Ar 1.67 96 Pn Pn 08 27 25.8 -0.3

SPAO Spitsbergen Ar 1.67 96 Pn Pn 08 27 25.8 -0.3

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SPAO Spitsbergen Ar 1.67 96 Pn Pn 08 27 25.8 -0.3

SPAO Spitsbergen Ar 1.67 96 Pn Pn 08 27 25.8 -0.3

Table with columns: Station Name, Time, Res, ISC, Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like BATI, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 07 08:48:53.3, 1.4, 34.41N:45.81E, h0km, mb3.8/1, mbtmp3.8/1, M3.0/3, Error ellipse: s-maj=34.2km s-min=23.5km az=8.0

TEH 07 08:48:54.9, 34.36N:45.81E, h8km, 49km, ML3.9, ISN 07 08:48:55.6, 1.2, 34.44N:45.79E, h22km, 10km, ML3.9

OMAN 07 08:49:00.3, 0.4, 33.70N:45.90E, h10km, mb4.0/2, Error ellipse: s-maj=19.4km s-min=5.7km az=39.0

ISC 07 08:48:54.3, 0.5, 34.30N:0.03, 45.81E:0.03, h10km, n90, c259/105, mb3.8/10, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like KGSJ Ghasr-e-Shirin, IDHR Dehresh, IGHG Ghaleghazi, etc.

IBZA Bozab 1.70 84 Pn Pn 08 49 27.8 +1.9

IBZA Bozab 1.70 84 Pn Pn 08 49 27.8 +1.9

IBZA Bozab 1.70 84 Pn Pn 08 49 27.8 +1.9

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IBZA Bozab 1.70 84 Pn Pn 08 49 27.8 +1.9

IBZA Bozab 1.70 84 Pn Pn 08 49 27.8 +1.9

Table with columns: Station Name, Time, Res, ISC, Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like ARCES ARCESS Array B, EKA Eskdalemuir Arr, etc.

SJA 07 08:51:19.7, 0.6, 24.05S:66.78W, h226km, 3km, ML3.6, MW3.5

GUC 07 08:51:22.3, 0.7, 24.01S:67.37W, h244km, 14km, ML4.0, ISC 07 08:51:19.7, 0.2, 24.05S:0.04, 66.83W:0.05, h226km, 17km, n29, c1941/53, AC, Salta Province

Code Station Name Az Az2 Phase ID Op ISC Time Res ISC

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like SLA San Lorenzo, SFA Cafayete, YJA Yavi, etc.

GO02 Mina Guanaco 2.75 246 Pn Pn 08 52 42.8 -0.3

GO02 Mina Guanaco 2.75 246 Pn Pn 08 52 42.8 -0.3

GO02 Mina Guanaco 2.75 246 Pn Pn 08 52 42.8 -0.3

GO02 Mina Guanaco 2.75 246 Pn Pn 08 52 42.8 -0.3

GO02 Mina Guanaco 2.75 246 Pn Pn 08 52 42.8 -0.3

GO02 Mina Guanaco 2.75 246 Pn Pn 08 52 42.8 -0.3

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GO02 Mina Guanaco 2.75 246 Pn Pn 08 52 42.8 -0.3

GO02 Mina Guanaco 2.75 246 Pn Pn 08 52 42.8 -0.3

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GO02 Mina Guanaco 2.75 246 Pn Pn 08 52 42.8 -0.3

GO02 Mina Guanaco 2.75 246 Pn Pn 08 52 42.8 -0.3

GO02 Mina Guanaco 2.75 246 Pn Pn 08 52 42.8 -0.3

GO02 Mina Guanaco 2.75 246 Pn Pn 08 52 42.8 -0.3

GO02 Mina Guanaco 2.75 246 Pn Pn 08 52 42.8 -0.3

IDC 07 08:55:06.0, 0.8, 11.05S:32.82E, h0km, mb4.0/7, mbtmp4.1/8, ML4.6/1, Error ellipse: s-maj=34.3km s-min=13.1km az=112.0

NEIC 07 08:55:08.3, 1.1, 11.07S:0.09, 32.76E:0.09, h10km, 1km, mb4.3/7.0, Error ellipse: s-maj=19.0km s-min=10.2km az=137.0

ISC 07 08:55:07.0, 0.5, 11.03S:0.06, 32.55E:0.08, h10km, n48, c216/54, mb4.2/10, Zambia

Code Station Name Az Az2 Phase ID Op ISC Time Res ISC

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like PDHT Panda Hill, DODT Dodoma, Tanzania, etc.

CHPN CHIPINGE 9.15 179 Pn Pn 08 57 21.8 +1.9

CHPN CHIPINGE 9.15 179 Pn Pn 08 57 21.8 +1.9

CHPN CHIPINGE 9.15 179 Pn Pn 08 57 21.8 +1.9

CHPN CHIPINGE 9.15 179 Pn Pn 08 57 21.8 +1.9

Table with columns: LODK, LBTB, LBTE, LBTE, POGA, TSUM, VOI, WIN, WIN, BOSA, BOSA, BOSA, BOSA, BOSA, BRVK, BRVK, BVAR, CMAR, MAK2, MK31, MK31, MKAR, MKAR, KURBB, KURK, KURK, QSPA, QSPA, ASAR, YKA. Includes station names, coordinates, and various parameters.

NNC 07 09:00:54.8, 0.2, 42.14N:79.07E, h0km, mb2.9, mpv2.8, Error ellipse: s-maj=5.7km s-min=2.7km az=149.0

SOME 07 09:00:54.7, 42.08N:79.05E, h15km KRNET 07 09:00:55.1, 0.1, 42.02N:78.95E, h4km, mb1.9

ISC 07 09:00:52.8, 1.8, 42.05N:0.06:79.05E, h7km, 11km, n34, 40:567/59, 12C-4D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations and their associated data.

Table with columns: DJR, BOOM, KTBS, KTBS, KST, KST, KST, DGS, DGS, DGS, DGS, TKM2, TKM2, TKM2, KRBS, KRBS, KRBS, KRBS, AFAD, ISK, THE, GII, AFAD, ISK. Includes station names, coordinates, and various parameters.

ATH 07 09:03:18.8, 36.70N:26.67E, h163km, 6km, ML3.3/4, Error ellipse: s-maj=6.7km s-min=2.2km az=116.0

IDC 07 09:03:18.1, 1.1, 36.72N:26.72E, h136km, 17km, mb3.3/6, mbmp3.7/8, Error ellipse: s-maj=2.2km s-min=1.9km

ISK 07 09:03:19.8, 36.71N:26.66E, h148km, 2km, ML3.1/5 THE 07 09:03:21.2, 36.70N:26.72E, h183km, 3km, ML3.5/3, Error ellipse: s-maj=3.4km s-min=1.0km az=89.0

GII 07 09:03:24.2, 0.3, 36.272N:0.003:27.220E, 0.001, h20km, Mw3.2, confirmed

AFAD 07 09:03:29.5, 0.0, 36.17N:27.30E, h64km, 3km, MW3.1 ISK 07 09:03:19.2, 0.8, 36.64N:0.04:26.82E, 0.05, h157km, 6km, n87, 41:64/118, mb3.5/6, Dodecanese Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations and their associated data.

Table with columns: KNIK, GOLH, GOLH, AKAS, AKAS, IMMV, GVD, GVD, VLI, VLI, PYL, PYL, BRTR, MMAI, MMAI, GEM, GEM, KSHT, KSHT, DSI, DSI, MSBI, MSBI, KRMI, KRMI, PRNI, PRNI, HRFI, HRFI, MBRI, MBRI, EIL, EIL, EIL, EIL, FINES, FINES, HFS, HFS, EKA, EKA, TORO, TORO, KURBB, KURBB, MKAR, MKAR. Includes station names, coordinates, and various parameters.

ATH 07 09:16:08.9, 39.48N:25.93E, h9km, 2km, ML2.4/6, Manual Solution by A.Fokaels This location: 2020/05/17 15:30:44 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 1 km; Longitude uncertainty: 1 km

AFAD 07 09:16:08.9, 0.0, 39.47N:25.97E, h11km, ML2.5 ISK 07 09:16:08.0, 39.47N:25.91E, h6km, ML2.7/16 THE 07 09:16:09.0, 39.47N:25.94E, h1km, 1km, ML2.5/5, Error ellipse: s-maj=1.6km s-min=0.4km az=210.0

ISC 07 09:16:08.9, 0.3, 39.47N:0.02:25.95E, 0.02, h12km, 6km, n48, 40:64/86, Aegean Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations and their associated data.





Table with columns: Station Name, Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Battle Ridge R, Grant County #, Quoy, Salt Plains WL, South Haven SW, Manchester OK, etc.

NNC 07:10:28:16.4:6.9,37.03N:71.27E,h0km,mb3.6,mpv3.4, 4C-2D,Error ellipse: s-maj=54.9km s-min=46.3km az=160.0,Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Karatay Array, Ala-Archa, Akbulak array, Cathedral Cave.

TAP 07:10:43:41.6,24.44N:121.74E,h7km,ML3.6,B ASIES 07:10:43:41.6,24.44N:121.74E,h7km,ML3.6,Mw3.2 Moment Tensor Solution. Moment tensor: Scale 1020Nm; M1=-1.97; M2=2.30; M3=4.27; M4=3.14; M5=4.55; M6=-2.15; Fault plane solutions: M6.99026x1020 NP; P: q=347.63000°, s=68.74000°, lambda=150.73000°. NP2: q=246.14000°, s=62.89000°, lambda=24.04000°. Principal axes: T Plq3.7740°, Azm115.8110°; N Plq54.3830°, Azm20.5280°; P Plq35.3550°, Azm208.4930°; JMA 07:10:43:42.0:0.1,24.44N:0.4:121.77E:0.9,h11km,4km, MV3.1/12,TAIWAN REGION

ISC 07:10:43:41.7:0.8,24.43N:0.0:121.77E:0.0:1,h8km,4km, n162,e0877/317,23C-14D,Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Wuta, Nanau, Aohua, Heping Village, Su ao, Suao, Dongshan, Datong, Nioudou, Datong Townshi, Ninganchiao, Nantung.

Table with columns: Station Name, Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Neicheng, Fushan Village, Xiliu Townshi, Datong, Nan Shan, Fushanzhiwuyua, Chiawan, Wulai, Toucheng, EOSS, Yeheng, Sanguang, Hualien, Fushou, Mucha, Tech, EOSA, Taipei, Santiao Chiao, Wufeng Townshi, Taipei, New Taipei Cit, Wu-fen Shan, Wufeng, Grass Mountain, Shoufeng, Zhudong, Shilin, Taoyuan, National Taiwa, Renai, Nantung.

Table with columns: Station Name, Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Kuangyinsan, Kuosheng, Renai, Zhongli, Hsinchu, Taichung City, Anpu, Danshui, Fenglin Townsh, Hsinchu, Guangfu, Puli Township, Zhunan, Chenua, Guoxing, Beigang Elemen, Shimen, Xinxu Township, VWDT, Miaoli, Liyuan, Sun Moon Lake, Ssangung, Ssanglung, Yucheng, Ruisui, Hungye, Wanrong, Dajia District, Taichung, Wufeng, Yonagunijimaku, Xinyi Township, Nantou City, Yuli, Zhushan, Mingjian, Yonaguni jima, Changbin, Yuli.

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Table with columns: Station Name, Azimuth, Magnitude, Quality, Location, Time, Residual. Includes stations like WCHH Zhanghua, WCHH, TWFI Yuli, etc.

Table with columns: Station Name, Azimuth, Magnitude, Quality, Location, Time, Residual. Includes stations like JKRS Kuro-shima, MASBT Mashbuluo, etc.

Table for JMA 07 10:48:29.7-0.2, 24:3N, 104.4:123.8E:0.5, h15km±1km, MV1.0/7, NEAR ISHIGAKIJIMA ISLAND, Southwestern Ryukyu Islands. Includes columns: Code, Station Name, Azimuth, Magnitude, Quality, Location, Time, Residual.

Table for TAP 07 10:48:58.2, 24:41N, 121:72E, h7km, ML1.3, A, Taiwan. Includes columns: Code, Station Name, Azimuth, Magnitude, Quality, Location, Time, Residual.

Table with columns: Station Name, Azimuth, Magnitude, Quality, Location, Time, Residual. Includes stations like MINT Mingtut, MINT Chadak, FRG Fergana, etc.

NEIC 07 11:00:03.1±0.3, 36:22N±0.1±0.1, 97:58W±0.01, h6km±2km, Error ellipse: s-maj=1.6km s-min=1.3km az=160.0. TUL 07 11:00:03.2±0.3, 36:22N±0.01±0.1, 97:57W±0.01, h6km, ML2.6, mb Lg2.4/30(NEIC), ML2.6/63(NEIC), Error ellipse: s-maj=1.6km s-min=1.2km az=147.0, Oklahoma.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like OK051, OK052, GC02, QUOK, etc.

MOS 07 11:25:43.3-0.9,36.46N:70.01E, h234km, mb4.4/7, Error ellipse: s-maj=9.0km s-min=4.9km az=81.5
IDC 07 11:25:44.1-0.7,36.33N:70.05E, h233km, mb3.5/22, mbmp4.2/28, Error ellipse: s-maj=11.8km s-min=9.8km az=20.0
NNC 07 11:25:44.9-1.5,37.15N:69.66E, h0km, mb4.7, mpv4.6, Error ellipse: s-maj=13.2km s-min=10.7km az=144.0
NEIC 07 11:25:44.4-1.3,36.51N:0.07:70.0E:0.1, h231km, 12km, mb4.2/5, Error ellipse: s-maj=13.1km s-min=9.7km az=104.0

ISC 07 11:25:43.1-0.5,36.42N:0.05:69.98E:0.04, h221km, 5km, h221km:pp-P, n292, a192/314, mb3.9/30, 13C-15D, Hindu Kush region

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like KBL, DRK, CHGR, etc.

Main table with columns: AAK, Ala-Archa, BHK, BHK, KBK, Karagaybulak, FRU1, Bishkek, FRU2, Bishkek, CHMS, Chumysh, CHMS, Chumysh, CHMS, Chumysh, BOOL, Ulahol, CHMS, Chumysh, BOOM, Boomsokoye usch, USP, Osenpovka, TKM2, Tokmak 2, TKM2, Tokmak 2, TKM2, Tokmak 2, SMLA, Simla, SMLA, SMLA, SMLA, MDOK, Medeo, MDOK, Medeo, GYET, GYET, GYET, Alibek, GYET, GYET, GYET, GYAO, ALIBECK ARRAY, GYAOB, ALIBECK ARRAY, PTH, Pithoragar, MAKZ, Makanchi, MKG1, Makanchi Array, MK31, Makanchi Array, MKAR, Makanchi Array, MKAR, Makanchi Array, MKAR, Makanchi Array, AB31, Akbulak array, AB31, Akbulak array, ABKAR, Akbulak array, WMQ, Urumqi, WMQ, Urumqi, KURBB, Kurchatov Ar, KURK, Kurchatov, KURK, Kurchatov, KURK, Kurchatov, WSAR, Wadi Sarin, WSAR, Wadi Sarin, AKTO, Aktyubsk, AKTO, Aktyubsk, AKTO, Aktyubsk, AKTO, Aktyubsk, BVAR, Borovoye Array, BVAR, Borovoye Array, BRVK, Borovoye, BRVK, Borovoye, BRVK, Borovoye, GNI, Garni, GNI, Garni, ZAAO, Zalesovo Array, ZAAO, Zalesovo Array, ZALV, Zalesovo Beam, ZALV, Zalesovo Beam, ZALV, Zalesovo Beam, ZALV, Zalesovo Beam, ARU, Arti, ARU, Arti, ARU, Arti, ARU, Arti, KIV, Kislovodsk, KIV, Kislovodsk, KIRV, Kirov, BRTR, Keskin Array B, SONM, Songo Array, SONM, Songo Array, OBN, Obrinsk, OBN, Obrinsk, OBN, Obrinsk, OBN, Obrinsk, ULN, Ulaanbaatar, ULN, Ulaanbaatar, CMAR, Chiang Mai Arr, CMAR, Chiang Mai Arr, AKASO, Main Array B, AKASO, Main Array B, HHC, Hu-ho-hao-te, HHC, Hu-ho-hao-te, HHC, Hu-ho-hao-te, NRIK, Noril'sk, NRIK, Noril'sk, FINES, Fines Array B, FINES, Fines Array B, ARCES, ARCESS Array B, ARCES, ARCESS Array B, ARCES, ARCESS Array B, HFS, Hagfors, HFS, Hagfors, HFS, Hagfors, HEH, Heihe, HEH, Heihe, HEH, Heihe

Table with columns: NB2, NORSAR Subarra, NOA, NORSAR Array B, NOA, NORSAR Array B, YAK, Yakutsk, YAK, Yakutsk, KLR, Kul'dur, KLR, Kul'dur, KLR, Kul'dur, KLR, Kul'dur, TIXI, Tiksi, TIXI, Tiksi, SPITS, Spitsbergen Ar, SPITS, Spitsbergen Ar, SPITS, Spitsbergen Ar, SPITS, Spitsbergen Ar, YSS, Yuzh-Sakhalins, YSS, Yuzh-Sakhalins, ESDC, Sonseca Array, ESDC, Sonseca Array, BILL, Bilibino, BILL, Bilibino, PETK, Petropavlovsk, PETK, Petropavlovsk, TORD, Torodi Ar. Bea, TORD, Torodi Ar. Bea, C16K, Lisburne Hills, C16K, Lisburne Hills, B18K, Kokolik River, B18K, Kokolik River, A22K, Sinclair Lake, A22K, Sinclair Lake, C17K, DeLong Mountai, C17K, DeLong Mountai, B20K, Lookout River, B20K, Lookout River, C18K, Utukok River, C18K, Utukok River, C19K, Lookout Ridge, C19K, Lookout Ridge, D17K, Noatak River, D17K, Noatak River, TNA, Tin City, TNA, Tin City, B22K, Teshepkuk Lake, B22K, Teshepkuk Lake, B21K, Ikpikpuk River, B21K, Ikpikpuk River, D19K, Kuna River, D19K, Kuna River, F14K, Arctic Creek, F14K, Arctic Creek, E17K, Hotham Inlet, E17K, Hotham Inlet, D20K, Etiuvik River, D20K, Etiuvik River, E18K, Tukpalearik C, E18K, Tukpalearik C, C21K, Knifeblade Rid, C21K, Knifeblade Rid, F15K, North Star Dit, F15K, North Star Dit, C23K, Itkilik River, C23K, Itkilik River, E20K, Nigu River, E20K, Nigu River, F17K, Baldwin Pennin, F17K, Baldwin Pennin, D22K, Ayikyak River, D22K, Ayikyak River, ANM, Franklin Bluff, ANM, Franklin Bluff, C24K, Redstone River, C24K, Redstone River, E19K, Redstone River, E19K, Redstone River, G15K, Niulukk, G15K, Niulukk, F18K, Selawik, F18K, Selawik, G16K, Koyuk River, G16K, Koyuk River, D23K, Nanushuk River, D23K, Nanushuk River, F19K, Shalercuk Mo, F19K, Shalercuk Mo, D24K, Happy Valley, D24K, Happy Valley, G17K, Kwailik Mounta, G17K, Kwailik Mounta, F20K, Avaraart Lake, F20K, Avaraart Lake, E22K, Anaktuvuk Pass, E22K, Anaktuvuk Pass, TOLK, Toolik Lake Re, TOLK, Toolik Lake Re, D25K, Kavik River, D25K, Kavik River, H16K, Elim, H16K, Elim, G18K, Tagagawik, G18K, Tagagawik, A36M, Sachs Harbour, A36M, Sachs Harbour, G19K, Purcell Mounta, G19K, Purcell Mounta, F21K, Alata River, F21K, Alata River, F22K, John River, F22K, John River, E23K, Chandalar, E23K, Chandalar, H17K, Granite Mounta, H17K, Granite Mounta, H18K, Honhosa River, H18K, Honhosa River, G21K, Allakaket, G21K, Allakaket, H19K, Roundabout Mou, H19K, Roundabout Mou, D27M, Malcolm River, D27M, Malcolm River, G22K, Bettles, G22K, Bettles, COLD, Coldfoot, COLD, Coldfoot, J14K, Nanvarnak Lak, J14K, Nanvarnak Lak, H17K, Unalakleet, H17K, Unalakleet, E25K, Arctic Village, E25K, Arctic Village, D28M, Stokes Point, D28M, Stokes Point, F24K, Squaw Lake, F24K, Squaw Lake, H20K, Anotlenega Mo, H20K, Anotlenega Mo, GCSA, Galena City Sc, GCSA, Galena City Sc, G23K, Bananza Creek, G23K, Bananza Creek, J16K, Arvik River, J16K, Arvik River, F25K, Christian River, F25K, Christian River, H21K, Melozina River, H21K, Melozina River, E28M, Babbage River, E28M, Babbage River, F26K, Sheenjek River, F26K, Sheenjek River, E27K, Cleen River, E27K, Cleen River

7d 11h

Table with columns: ID, Name, Azimuth, Elevation, Date, Time, Status, etc. Includes stations like H22K, K15K, I20K, etc.

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Main table with columns: ID, Name, Azimuth, Elevation, Date, Time, Status, etc. Includes stations like L27K, O20K, K29M, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Date, Time, Status, etc. Includes stations like MASHP, COPN, ADRN, etc.





7d 12h

Table with columns: PBD, Name, Az, El, Pn, Az, El, Pn, Az, El, Pn, Az, El, Pn, Az, El, Pn. Includes entries like Poplar Bluff, Ogallala, Ogallala, Ogallala, Ogallala, etc.

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Table with columns: RSSD, Name, Az, El, Pn, Az, El, Pn, Az, El, Pn, Az, El, Pn, Az, El, Pn. Includes entries like Black Hills, White River, White River, White River, White River, etc.

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Table with columns: ELK, Name, Az, El, Pn, Az, El, Pn, Az, El, Pn, Az, El, Pn, Az, El, Pn. Includes entries like Elko, Elko, Elko, Elko, Elko, etc.

Table with columns for station ID, name, coordinates, and data values. Includes stations like NCB Newcomb, KSCT Kent School, ACCN Adirondack Com, etc.

Table with columns for station ID, name, coordinates, and data values. Includes stations like D28M Stokes Point, J25K Saicha River, E27K Cole River, etc.

Table with columns for station ID, name, coordinates, and data values. Includes stations like G16K Koyuk River, B18K Kokolik River, C17K DeLong Mountai, etc.

ADC 07 12:20:51.0:2.0:1:51N:90:18W, h0km, mb3.9/2, mbmp4.2/3, ML3.3/1, MS3.7/2, Error ellipse: s-maj=16.8km s-min=47.1km az=2.0 NEIC 07 12:20:51.2:2.3:1:45N:0:08:90:0W:0.1, h10km, 1km, mb5.1/32 Error ellipse: s-maj=24.4km s-min=12.7km az=104.0 GCMT 07 12:20:57.0:5.0:1:77N:0:04s:91:07W:0.04, h18km, 1km,

MW4.875, Moment Tensor Solution. s17.c17; s75.c94; Duration: 0 Moment tensor: Scale 10^16Nm; M1-1.85e; 16; M0.69±.08; M1.16±.11; M2.06±.21; M3.08±.26; M4.07±.25; Best double couple: M2.0080e.10^16 Np1.9±164.0000e.652.0000e.0.1-121.0000e. Principal axes: T 1.7920, P1g4.0000, Azm235.0000; N 0.4320, P1g22.0000, Azm326.0000; P -2.2230, P1g68.0000, Azm136.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular

reference-rate function  
ISC 07 12:20:50.1-0.7 1.741N.0.09.90'W.0.1.h10km.n69,  
+1567/42, mb4.9/18, MS3.8/23, Galapagos 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 recorded data for the event.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their recorded data for the event.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their recorded data for the event.

TEH 07 12:28:55.1, 34'08N-46'31E, h10km, 143km, ML2.9  
ISC 07 12:28:58.5, 1.2, 34.05N-46.35E, h10km, 8km, ML2.8  
ISC 07 12:28:55.4, 1.0, 34.13N.005-46.30E.0.05, h10km, n8,  
+063/12, Western Iran

Error ellipse: s-maj=12.3km s-min=8.8km az=165.0  
ISC 07 12:37:20.1, 1.2, 56.18N.0.07-149.97W.0.06, h10km,  
n219, +095/224, Gulf of Alaska

NEIC 07 12:23:23.7±0.3, 36'28N.0.01-97'51W.0.01, h7km, 5km,  
Error ellipse: s-maj=1.5km s-min=1.1km az=172.0  
TUL 07 12:23:23.0, 3.3, 36.287N.0.010, 97.51W.0.01, h7km, 4km,  
ML3.7, mb\_Lg3.7/41 (NEIC), ML3.7/70 (NEIC), Error

Table with 7 columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other details. Rows include stations like KNK, SUA, VNF, etc.

Table with 7 columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other details. Rows include stations like R32K Eaglecrest, JIS Juneau Island, etc.

IDC 07 12:39:11.7±1.9, 4°98S, 101.54E, h0km, mb3.76, mbmp3.87, ML4.5/1, Error ellipse: s-maj=83.9km s-min=19.9km az=54.0

NEIC 07 12:39:17.5±2.4, 5°06S, 0°09-101°81E:0.08, h44km, 8km, mb4.2/3, Error ellipse: s-maj=13.3km s-min=10.3km

DJA 07 12:39:18.3±0.4, 5°S, 5°10'±0.2E, h59km, 12km, M4.6/15, mb4.7/11, mb5.2/5, MLv4.5/15, Mw(mb)4.6/5

ISC 07 12:39:16.0±0.6, 5°15S, 0°11-101°75E:0.1, h35km, n50, i°136/43, mb3.9/10, Southwest of Sumatera

Table with 7 columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other details. Rows include stations like MNAI, MNAI, LWLI, etc.

Table with 7 columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other details. Rows include stations like UGM, WANA, WANA, etc.

Table with 7 columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other details. Rows include stations like WRA, WRA, WRA, etc.

Table with 7 columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other details. Rows include stations like ASAR, ASAR, ASAR, etc.

Table with 7 columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other details. Rows include stations like AS31, STKA, STKA, etc.

Table with 7 columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other details. Rows include stations like RABL, SOMM, MKAR, etc.

Table with 7 columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other details. Rows include stations like H04N2, H04N1, H04N3, etc.

Table with 7 columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other details. Rows include stations like H04S1, H04S2, ZAAO, etc.

Table with 7 columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other details. Rows include stations like ZAAO, ZAAO, ZAAO, etc.

Table with 7 columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other details. Rows include stations like ABKAR, BURAR, QSPA, etc.

Table with 7 columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other details. Rows include stations like SNAA, SNAA, SNAA, etc.

NEIC 07 12:43:47.3±0.6, 36°29N, 0°01-97°52W:0.01, h6km, 3km, Error ellipse: s-maj=1.6km s-min=1.0km az=151.0

TUL 07 12:43:47.6±0.6, 36°29N, 0°01-97°51W:0.006, h6km, 3km, ML2.5, mb 1.92, 3/16(NEIC), ML2.5/62(NEIC), Oklahoma ellipse: s-maj=1.6km s-min=0.4km az=163.0

Table with 7 columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other details. Rows include stations like GC02, OK052, ADOK, etc.

IDC 07 13:26:17.1±0.7, 11°96N-86°33W, h0km, mb4.4/13, mbmp4.4/15, ML4.2/2, MS3.8/23, Error ellipse: s-maj=30.2km s-min=12.7km az=47.0

NEIC 07 13:26:17.7±2.5, 11°28N, 0°05-87°02W:0.07, h10km, 1km, mb4.9/2/3, Error ellipse: s-maj=12.1km s-min=7.4km

CATAC 07 13:26:18.6±0.2, 11°23N-87°10W, h10km, ML4.7, UCR 07 13:26:21.7±1.5, 11°36N-86°91W, h27km, 32km, MW4.6

SNET 07 13:26:21.5±1.1, 12°15N-86°83W, h183km, 83km, ML4.7, ISC 07 13:26:20.1±1.2, 11°26N, 0°04-87°06W:0.04, h29km, 8km, n695, o°85/587, mb4.8/137, MS3.8/23, Near coast of Nicaragua

Table with 7 columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other details. Rows include stations like ADRN, COPN, COPN, etc.

Table with 7 columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other details. Rows include stations like RB213, RB213, RB213, etc.

Table with 7 columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other details. Rows include stations like REB4, REB4, UNAN, etc.

Table with 7 columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other details. Rows include stations like UNAN, UNAN, UNAN, etc.

Table with 7 columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other details. Rows include stations like AMTN, AMTN, AMTN, etc.

Table with 7 columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other details. Rows include stations like MAS3, MAS3, ENAN, etc.

Table with 7 columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other details. Rows include stations like ENAN, ENAN, MAFN, etc.

Table with 7 columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other details. Rows include stations like RBCC4, RBCC4, TISN, etc.

Table with 7 columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other details. Rows include stations like ALLN, ALLN, APQ2, etc.

Table with 7 columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other details. Rows include stations like R0529, R0529, AMYN, etc.

7d 13h

Table with columns: Station, Frequency, Power, Modulation, and Signal Quality. Includes stations like CNGA, AI SSO del Vol, CNGN, Cerro Negro, etc.

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Table with columns: Station, Frequency, Power, Modulation, and Signal Quality. Includes stations like COEG, Centro de Oper, TCS1, Tacares, etc.

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Table with columns: Station, Frequency, Power, Modulation, and Signal Quality. Includes stations like Z38A, Mt. Pleasant, X48A, Hartsele, etc.

Table with columns: ID, Name, Comp, Az, El, AzM, ElM, AzR, ElR, AzS, ElS. Rows include P38A Dawn, Q49A Covington, Q48B Farmington, Q48B Farmland, MCWV Mont Chateau, MCWV Mont Chateau, KSU1 Kansas State U, KSU1 Kansas State U, SFIN Lafayette, Y22D IRIS PASCAL I, PD2F Pascall Instru, ACSO Alum Creek Sta, P57A Homestead Farm, HDIL Hopedale, O53A New Philadelphia, O54A Avella, ANMO Albuquerque, ETMB Extrema, ETMB Extrema, CBKS Cedar Bluff, T25A Trinidad, TUC Tucson, SSPA Standing Stone, SSPA Standing Stone, M53A WI Miller and, N58A Sumbury, KSCO Kaye Shedlock, SCIA State Center, AAM Ann Arbor, SAML Samuel, SAML Samuel, SDCO Great Sand Dun, SDCO Great Sand Dun, ERPA Erie, W14A Organ Pipe Nat, W18A Petrified Forest, W18A Petrified Forest, BGNE Belgrade, JFWS Jewell Farm, K38A Parkersburg, PAL Palisades, MVCO Mesa Verde, BINY Binghamton, OGNE Ogallala, OGNE Ogallala, WUAZ Wupatki, ISCO Idaho Springs, LPAZ La Paz, ECSD EROS Data Cent, ECSD EROS Data Cent, ECSD EROS Data Cent, GLMD Greyling, J58A Remsen, PDMCI Parker Dam,Lak, K62A Royalston, N23A Red Feather La, G40A Rib Lake, SWSC Sam W. Stearn, SADO Sadowa, SADO Sadowa, IKP In-Ko-Pah, JAC 34.1313 P, SPMN Marine on St, BC3 Big Chuckawall, O20A White River Ci, O20A White River Ci, NCB Newcomb, TKX Tecate, MONP2 Monument Peak, SUSD Miller, SUSD Miller, SRU San Rafael Sve, COWI Conover, BELC Belle Mtn. Jos, TPFO Pinon Flats, PFO Pinyon Flats O, F36A Milaca, LONY Lake Ozonia, LONY Lake Ozonia, P18A Preston Nutter, GMRC Granite Mount, E46A Sault Ste Mari, P17A Butcher Ranch, P17A Butcher Ranch, MVU Marysvale, LBNH Lisbon, MURC Murrieta, TCRU Three Creeks R, HEC Hector,Ludlow, RSSD Black Hills, RSSD Black Hills.

Table with columns: ID, Name, Comp, Az, El, AzM, ElM, AzR, ElR, AzS, ElS. Rows include BSUT Blindstream Ca, BFSC Mount Baldy Ra, NPGNB Novo Progresso, CTU Camp Tracy, EDW2 Edwards Air Fo, DUG Dugway, Tooele, EYMN Ely, SPR3 Spring Creek 3, SPR3 Spring Creek 3, FURC Furnace Creek, MPMC Manual Prospec, PDAR Pinedale Array, PDAR Pinedale Array, PDAR Pinedale Array, PDAR Pinedale Array, BW06 Boulder Array, HWUT Hardware Ranch, HWUT Hardware Ranch, HWUT Troy Canyon, PKME Peaks-Kenny Pk, ARVC Arvin, B35A Bob, Littlefor, GRAC Greavine Rang, AGMN Agassiz Nation, AGMN Agassiz Nation, AHID Auburn Hatcher, PDRB Porto dos Gac, PDRB Porto dos Gac, PKM Mcpherson Peak, MDND Madlock, LVC Limon Verde, SNOW Snow King Mount, SNOW Snow King Mount, SMMC Simmer, PTLB Pontes e Lacer, FXWY Fox Creek, BBSB Serra de San D, RLMT Red Lodge, NVAR Mina Array Bea, NVAR Mina Array Bea, NVAR Mina Array Bea, ULM Lac du Bonnet, ULM Lac du Bonnet, ULM Lac du Bonnet, DGMT Dagmar, DGMT Dagmar, HLID Halley, BOZ Bozeman (W), BOZ Bozeman (W), SALV Santo Antonio, EGMT Eagleton, PLID Pearl Lake, BMO Blue Mountains, SNDS Serra Nova Dou, BDNQ Bodouena, MS, YBH Yreka Blue Hor, MURT Porto Martinho, ARAC Araguaiana, MT, E07A Sunnyside, FFC Filem, MXC Moxie City, H03N2 Juan Fernandez, H03N1 Juan Fernandez, H03N3 Juan Fernandez, SCHO Schefferville, SCHO Schefferville, EDM Edmon, BDFB Brasilia, BDFB Brasilia, CPUP Villa Florida, CPUP Villa Florida, FCC Fort Churchill, IPMB Iperameri, JANB Januaria, FRB Frohbisher Bay, YKA Yellowknife Ar, YKA Yellowknife Ar, TOAD Toad River Com, V35K Ketchikan, TAOE Nuku Hiva Isla, DLBC Dease Lake, DLBC Dease Lake, WTLY Watson Lake, Y, WRGLY Wrigley, R33M Jennings River, Q32M Nakina River, TGTN Hyland Airport, R31K City Hall, Gus.

Table with columns: ID, Name, Comp, Az, El, AzM, ElM, AzR, ElR, AzS, ElS. Rows include SKAG Skagway, N32M Quiet Lake, PLBC Pleasant Camp, WHY Whitehorse, FARO Faro, Yukon, SFJD Kangerlussuaq, O30N Mendenhall, P30M Million Dollar, M31M Drury Creek, P29M Windy Craggy, N31M Braeburn, Yuko, HNT Haines Junction, N30M Aishik Lake, O29M Mount Kennedy, PNL Peninsula, YUK6 Outpost Mounta, YUK4 Talbot Arm, MAYO Mayo, Yukon, YUK8 Steele Glacier, M29M Somme Creek, M29M Somme Creek, L29M L29M, J30M Hart River, H31M Peel River, K29M Barlow Dome, MESA MESA, CTG China Glacier, I30M Mount Dempster, I30M Mount Dempster, RES Resolute Bay, J29N Klondike Camp, BVCY Beaver Creek, G31M Satah River, F31M Tsighehtic, CRQE Cirque, DAWY Dawson, M27K Edge Creek, AK, MCARA McCarty VSAT, EPYK Eagle Plains, INK Inuvik, G30M Inuvik, INK Inuvik, INK Inuvik, INK Inuvik, G10K A'oh Zraii Nji, L27K Beaver Creek, L27K Beaver Creek, M26K Nabesna, AK, F30M Barrier River, BMRM Bremner River, H29M Whitestone, H29M Whitestone, A36M Sachs Harbour, A36M Sachs Harbour, Q23K Middleton Isla, N25K Chitina, Valde, G29M Pine Creek, G29M Pine Creek, G29M Pine Creek, K27K Chicken, EGAK Eagle, EGAK Eagle, EGAK Eagle, EYAK Cordova Ski Ar, KLU Klutina, HARP HAARP, I27K Kandik River, P23K Montague Islan, SCRK Sand Creek, E29M Blower River, J26L Joseph Creek, GLI Glacier Island, H27K Steamboat Moun, M24K Tolsona, Glenn, PAX Paxon, RIDG Independent Ri, F28M Old Crow, F28M Old Crow, G27K Doyon Strip, K24K Donnelly Dome, E28M Babbage River, E28M Babbage River, M23K Glacier View, D28M Stokes Point, J25K Salcha River, J25K Salcha River, SEW Seward, SML Sawmill.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and other parameters. Includes stations like Susitna Watana, Coleen River, Cooper Landing, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and other parameters. Includes stations like Chignik, Allakaket, G21K, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and other parameters. Includes stations like Tin City, Nikolski High, Saint George I, etc.

ISC 07 13:26:47.8-1.2, 1.22N, 91.63W, h0km, mb3.9,7, mbtmp3.9/8, ML3.4/1, MS4.0/2, Error ellipse: s-maj=69.1km s-min=20.7km az=60.0

ISC 07 13:26:49.5-1.1, 1.3N, 0.2-91.6W, 0.3, h10km, n12, o=97/9, mb3.9/7, Galapagos Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and other parameters. Includes stations like ATAH, H06E1, LPZA, etc.

NEIC 07 13:50:12.2-1.6, 40.32N, 0.03-125.24W, 0.05, h15km, 7km, Error ellipse: s-maj=5.1km s-min=3.9km az=104.0

NCEDC 07 13:50:15.2-3.0, 40.28N, 0.04-124.99W, 0.05, h11km, 7km, ML3.3/1, ML3.0/36(NEIC), Error ellipse: s-maj=5.4km s-min=5.3km az=80.0, Near coast of northern California

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and other parameters. Includes stations like KCTM, FER, KMPN, etc.





7d 14h

Table with columns: Call sign, Station name, Time, Frequency, Mode, and other technical details. Includes stations like MKAR, BRZS, ZSN, KURBB, AB31, etc.

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Table with columns: Call sign, Station name, Time, Frequency, Mode, and other technical details. Includes stations like CRAI, CMAR, OBN, BR104, etc.

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Table with columns: Call sign, Station name, Time, Frequency, Mode, and other technical details. Includes stations like BURAR, JOF, BUR08, TIA, etc.



7d 15h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KAN13 South Haven SW, KAN17 Caldwell West, KAN19 Caldwell North, etc.

IDC 07 15:39:03.6:2.8, 13.91N:53.75E, h0km, mb3.6/9, mbmtmp3.6/9, MS3.2/20, Error ellipse: s-maj=66.5km s-min=27.5km az=152.0

ISC 07 15:39:05.0:2.7, 13.9N:53.8E:0.3, h10km, n31, n078/10, mb3.6/9, MS3.1/19, Socotra region

Main table section for 7d 15h, listing various station codes and their associated data.

ISK 07 15:41:14.1, 38.95N:26.31E, h3km, ML2.6/29
AFAD 07 15:41:14.4:0.0, 38.94N:26.30E, h7km, 34R, ML2.6

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like EAG3 Mitilini, EAG3 Mitilini, etc.

2018 APR

Main table section for 2018 APR, listing various station codes and their associated data.

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Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ERIK Eriki-Kesan, ENEZ Enez, KIRA zmir-Kiraz, etc.

NEIC 07 15:44:28.7:1.5, 17.9S:0.1:178.3W:0.1, h580km±1.1km, mb4.6/30, Error ellipse: s-maj=23.9km s-min=15.9km

IDC 07 15:44:34.7:3.3, 17.80S:178.75W, h622km, 41km, mb3.3/10, mbmtmp4.2/11, Error ellipse: s-maj=22.0km s-min=18.4km az=170.0

ISC 07 15:44:29.7:0.5, 17.9S:0.1:178.49W:0.09, h579km, n55, n142/58, mb4.5/31, 1D, Fiji Islands region

Main table section for 466, listing various station codes and their associated data.

IDC 07 15:46:26.9, 1.2, 12.12N, 95.16E, h0km, mb3.7/9, mbmp3.7/10, ML3.8/1, MS3.1/7, Error ellipse: s-maj=39.5km s-min=19.4km az=56.0

ISC 07 15:46:30.2-1.2, 12.1N, 02.95E, 2.0, h21km, n18, c#102/10, mb3.7/9, MS3.2/6, Andaman Islands region

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

NEIC 07 16:21:21.3, 0.3, 35.665N, 0.006E, 97.402W, 0.008, h6km, 3km, Error ellipse: s-maj=1.3km s-min=0.3km az=138.0

TUL 07 16:21:21.4, 0.4, 35.672N, 0.009E, 97.40W, 0.01, h7km, 3km, ML3.5, mb, Lg3.1, 1106(NEIC), ML3.3/52(NEIC), Error ellipse: s-maj=1.4km s-min=1.2km az=48.0, Oklahoma

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Arcadia Dam, Liberty Lake, Oklahoma City, Franklin, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Ozark Folk Cen, Rita Blanca, Mountain Grove, etc.

IDC 07 16:51:35.0, 8.8, 6.55S, 129.98E, h125km, 90km, mb3.4/1, mbmp3.6/4, ML3.4/3, Error ellipse: s-maj=72.2km s-min=30.1km az=60.0, Banda Sea

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

IDC 07 17:13:58.0, 1.7, 3.42N, 124.60E, h0km, mb3.2/4, mbmp3.2/4, Error ellipse: s-maj=202.4km s-min=22.5km az=64.0, Celebes Sea

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

AFAD 07 17:16:08.6, 0.0, 37.53N, 26.86E, h7km, 2km, ML1.8, ISK 07 17:16:08.3, 37.56N, 27.50E, h0km, ML2.0/5, Suspected Mining explosion, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Aydin, Didim, G?zelcami?, etc.

ISC 07 17:18:22.3, 0.8, 7.2S, 0.1, 155.70E, 0.09, h35km, n26, c#11/20, mb4.0/11, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Rabaul, Honiara, Port Moresby, etc.

IDC 07 17:25:09.0, 9.4, 27.12S, 75.77E, h0km, mb3.8/4, mbmp3.8/4, MS3.4/7, Error ellipse: s-maj=324.7km s-min=32.9km az=42.0, Mid-Indian Ridge

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

ISK 07 17:27:24.6, 36.13N, 35.86E, h7km, ML2.4/14, GRAL 07 17:27:25.4, 0.4, 35.98N, 36.02E, h7km, 7km, MD3.3, AFAD 07 17:27:26.0, 0.0, 36.06N, 35.99E, h13km, 2km, ML2.5, ISC 07 17:27:24.1, 1.2, 36.01N, 0.003, 35.98E, 0.03, h15km, 9km, n40, c#82/64, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Tahtakopru-Hat, Hatay/Reyhani, etc.

Table with columns: KIZK, Mersin, 1.55 288, Pn, Pn, 17 27 51.7 +0.6, comp=N,6um,0.2s, MT03, Universidad Ad, 0.38 74 eP, Pn, 17 35 26.3 -0.3, etc.

IDC 07 17:28:11.2-12.0,27.97S:75.57E,h0km,mb3.6/3, mbtmp3.6/3, Error ellipse: s-maj=409.5km s-min=45.3km az=45.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, H0S2, Diego Garcia H, 20.42 351 T, T, 17 54 24.8, etc.

NEIC 07 17:35:13.6: 1.1, 33.59S:0.03:70.92W:0.02, h81km,6km, ML3.9/58, Error ellipse: s-maj=4.4km s-min=1.4km sz=164.0

SJA 07 17:35:13.0:0.6,33.59S:70.98W,h77km,1km,ML3.6, MW3.6

GUC 07 17:35:14.4:0.8,33.60S:70.91W,h78km,2km,ML3.8

ISC 07 17:35:14.5:1.2,33.60S:0.02:70.95W:0.03,h72km,5km, n102,08/145, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, MT09, Talagante, 0.18 190 Op, ISC, h m s, ISC, etc.

Main table with columns: MT03, Universidad Ad, 0.38 74 eP, Pn, 17 35 26.3 -0.3, MT16, CCHEN, 0.40 64 eP, Pn, 17 35 26.2 -0.4, etc.

Table with columns: B105, Punta Hualpn, 3.63 210 eP, Pn, 17 36 07.0 -1.3, B105, Rodde, 3.65 21 eP, Sn, 17 36 10.1 -2.9, etc.

IDC 07 17:36:47.8:0.7,33.76N:137.36E,h352km,7km,mb3.3/15, mbtmp4.0/21, Error ellipse: s-maj=18.2km s-min=12.5km az=69.0

JMA 07 17:36:47.6:0.2,34.7N:137.3E:1.0,h352km,1km, S Transito

ISC 07 17:36:47.0:8.3,33.77N:0.08:137.28E:0.08,h350km,6km, n32,08/140,mb3.6/15,Near south coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, T202, TONANKAI O.B.S, 0.22 262 eP, Pn, 17 37 31.8 +0.7, etc.



7d 18h

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

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Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

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Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.



Table with columns: ID, Name, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Standard Deviation, Elevation Standard Deviation, Azimuth Bias, Elevation Bias, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Sensitivity, Elevation Sensitivity, Azimuth Stability, Elevation Stability, Azimuth Drift, Elevation Drift, Azimuth Frequency, Elevation Frequency, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Dynamic Range, Elevation Dynamic Range, Azimuth SNR, Elevation SNR, Azimuth BER, Elevation BER, Azimuth FID, Elevation FID, Azimuth SINR, Elevation SINR, Azimuth SDR, Elevation SDR, Azimuth SFDR, Elevation SFDR, Azimuth ACLR, Elevation ACLR, Azimuth SCNR, Elevation SCNR, Azimuth SPCNR, Elevation SPCNR, Azimuth SPCF, Elevation SPCF, Azimuth SPCB, Elevation SPCB, Azimuth SPCD, Elevation SPCD, Azimuth SPCF, Elevation SPCF, Azimuth SPCB, Elevation SPCB, Azimuth SPCD, Elevation SPCD.

Table with columns: ID, Name, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Standard Deviation, Elevation Standard Deviation, Azimuth Bias, Elevation Bias, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Sensitivity, Elevation Sensitivity, Azimuth Stability, Elevation Stability, Azimuth Drift, Elevation Drift, Azimuth Frequency, Elevation Frequency, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Dynamic Range, Elevation Dynamic Range, Azimuth SNR, Elevation SNR, Azimuth BER, Elevation BER, Azimuth FID, Elevation FID, Azimuth SINR, Elevation SINR, Azimuth SDR, Elevation SDR, Azimuth SFDR, Elevation SFDR, Azimuth ACLR, Elevation ACLR, Azimuth SCNR, Elevation SCNR, Azimuth SPCNR, Elevation SPCNR, Azimuth SPCF, Elevation SPCF, Azimuth SPCB, Elevation SPCB, Azimuth SPCD, Elevation SPCD.

IDC 07 19:25:24.8;1.8,9.80S;127.10E,h0km,mb3.5/2, mbtmp3.7/5,ML3.7/3,MS2.7/1, Error ellipse: s-maj=51.5km s-min=28.4km az=51.0, Timor Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Standard Deviation, Elevation Standard Deviation, Azimuth Bias, Elevation Bias, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Sensitivity, Elevation Sensitivity, Azimuth Stability, Elevation Stability, Azimuth Drift, Elevation Drift, Azimuth Frequency, Elevation Frequency, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Dynamic Range, Elevation Dynamic Range, Azimuth SNR, Elevation SNR, Azimuth BER, Elevation BER, Azimuth FID, Elevation FID, Azimuth SINR, Elevation SINR, Azimuth SDR, Elevation SDR, Azimuth SFDR, Elevation SFDR, Azimuth ACLR, Elevation ACLR, Azimuth SCNR, Elevation SCNR, Azimuth SPCNR, Elevation SPCNR, Azimuth SPCF, Elevation SPCF, Azimuth SPCB, Elevation SPCB, Azimuth SPCD, Elevation SPCD.

NEIC 07 19:27:08.6;0.4,18.1N;0.3;68.7W;0.1,h145km,12km, ML2.2/14, Md3.0/6(RSPR), Error ellipse: s-maj=41.1km s-min=9.8km az=199.0

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Standard Deviation, Elevation Standard Deviation, Azimuth Bias, Elevation Bias, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Sensitivity, Elevation Sensitivity, Azimuth Stability, Elevation Stability, Azimuth Drift, Elevation Drift, Azimuth Frequency, Elevation Frequency, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Dynamic Range, Elevation Dynamic Range, Azimuth SNR, Elevation SNR, Azimuth BER, Elevation BER, Azimuth FID, Elevation FID, Azimuth SINR, Elevation SINR, Azimuth SDR, Elevation SDR, Azimuth SFDR, Elevation SFDR, Azimuth ACLR, Elevation ACLR, Azimuth SCNR, Elevation SCNR, Azimuth SPCNR, Elevation SPCNR, Azimuth SPCF, Elevation SPCF, Azimuth SPCB, Elevation SPCB, Azimuth SPCD, Elevation SPCD.

NAO 07 19:27:25.8;2.9,79.62N;2.44E,ML3.2 BER 07 19:27:31.0;2.8,79.18N;2.73E,h10km,mb(Pn)3.6, ML3.2(NAO), Confirmed Earthquake

FCIAR 07 19:27:33.0;78.5N;3.75E,h10km, station ZF12 has station magnitude of 3.30 station OMEGA has station magnitude of 3.40

KOLA 07 19:27:34.0;79.39N;5.40E,h0km,ML1.8, Greenland sea,Kripovitch ridge, north

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Standard Deviation, Elevation Standard Deviation, Azimuth Bias, Elevation Bias, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Sensitivity, Elevation Sensitivity, Azimuth Stability, Elevation Stability, Azimuth Drift, Elevation Drift, Azimuth Frequency, Elevation Frequency, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Dynamic Range, Elevation Dynamic Range, Azimuth SNR, Elevation SNR, Azimuth BER, Elevation BER, Azimuth FID, Elevation FID, Azimuth SINR, Elevation SINR, Azimuth SDR, Elevation SDR, Azimuth SFDR, Elevation SFDR, Azimuth ACLR, Elevation ACLR, Azimuth SCNR, Elevation SCNR, Azimuth SPCNR, Elevation SPCNR, Azimuth SPCF, Elevation SPCF, Azimuth SPCB, Elevation SPCB, Azimuth SPCD, Elevation SPCD.

Table with columns: ID, Name, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Standard Deviation, Elevation Standard Deviation, Azimuth Bias, Elevation Bias, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Sensitivity, Elevation Sensitivity, Azimuth Stability, Elevation Stability, Azimuth Drift, Elevation Drift, Azimuth Frequency, Elevation Frequency, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Dynamic Range, Elevation Dynamic Range, Azimuth SNR, Elevation SNR, Azimuth BER, Elevation BER, Azimuth FID, Elevation FID, Azimuth SINR, Elevation SINR, Azimuth SDR, Elevation SDR, Azimuth SFDR, Elevation SFDR, Azimuth ACLR, Elevation ACLR, Azimuth SCNR, Elevation SCNR, Azimuth SPCNR, Elevation SPCNR, Azimuth SPCF, Elevation SPCF, Azimuth SPCB, Elevation SPCB, Azimuth SPCD, Elevation SPCD.

IDC 07 19:33:11.4;0.7,1.46N;91.02W,h0km,mb4.1/13, mbtmp4.1/14,ML3.3/1,MS3.5/32, Error ellipse: s-maj=32.1km s-min=15.0km az=59.0

NEIC 07 19:33:13.3;1.1,1.44N;0.04E;90.9W;0.1,h10km,1km, mb3.6/40, Error ellipse: s-maj=19.0km s-min=6.3km az=90.0

ISC 07 19:33:12.9;0.5,1.48N;0.07;90.91W;0.09,h10km,n127, c0889/99,mb4.4/29,MS3.5/29,Galapagos Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Standard Deviation, Elevation Standard Deviation, Azimuth Bias, Elevation Bias, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Sensitivity, Elevation Sensitivity, Azimuth Stability, Elevation Stability, Azimuth Drift, Elevation Drift, Azimuth Frequency, Elevation Frequency, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Dynamic Range, Elevation Dynamic Range, Azimuth SNR, Elevation SNR, Azimuth BER, Elevation BER, Azimuth FID, Elevation FID, Azimuth SINR, Elevation SINR, Azimuth SDR, Elevation SDR, Azimuth SFDR, Elevation SFDR, Azimuth ACLR, Elevation ACLR, Azimuth SCNR, Elevation SCNR, Azimuth SPCNR, Elevation SPCNR, Azimuth SPCF, Elevation SPCF, Azimuth SPCB, Elevation SPCB, Azimuth SPCD, Elevation SPCD.

Table with columns: PDAR, Pinedale Array, 44.37 340 P, P, 19 41 23.7 -0.1, etc. Includes various station codes and coordinates.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes entries like CROK Carrier, OK048 Pawnee Station, etc.

Main table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes entries like OK0209, OK029, BLOK Blackwell, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes entries like SOEI, BATI, and DJA 07 19:46:34.8, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes entries like BATH Maumere, MMRI Baing, Sumba, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes entries like IDC 07 20:09:21.1, 16:10S, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes entries like STKA Stephens Creek, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes entries like NNA Nana, NNA Nana, etc.

Table with columns for station call letters, frequency, and other technical details. Includes stations like LVC, LVC ORTO, ZAMLA, etc.

Table with columns for station call letters, frequency, and other technical details. Includes stations like NBPB, NBLA, NLAN, etc.

Table with columns for station call letters, frequency, and other technical details. Includes stations like ESDC, VNA, M29M, etc.

Table with columns: Code, Station Name, Az, Az\*, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PKEI, TSZ, DVHZ, BFZ, MRZ, HOWZ, KIWA, CAW, DUWZ, SNZO, PLWZ, QQRZ, TUWZ, NZWZ, MRNZ, THZ, KHZ, MQZ, etc.

Table with columns: Code, Station Name, Az, Az\*, Phase ID, Time, Res, h, m, s, ISC. Includes stations like O18K, O18K, LTY, VHRN, TXAR, Lajitas Array, HEH, Heihe, TTA, TTA, BLIND, CSUT, PDAR, ILAR, ZALV, MKAR, KURBB, BOSHA, BVAR, ARCES, FINES, NB2, NOA, HFS, AKASG, EKA, EKA, BRTR, MMAL, OSTC, UPTC, DPC, MAUC, KHC, CONA, RONA, BIOA, SOKA, LESA, KBA, OBKA, WTTA, MOTA, SOTA, ABTA, DAVA, DBIC, TORD, TORD, etc.

Table with columns: Code, Station Name, Az, Az\*, Phase ID, Time, Res, h, m, s, ISC. Includes stations like URZ, STKA, ASAR, ASAR, WRA, WRA, GSPA, H03S2, H03S1, H03S3, H03N2, H03N3, H03N1, TROLL, SNAAB, SNAAC, TXAR, PDAR, ILAR, MKAR, BVAR, ARCES, FINES, HFS, AKASG, EKA, BRTR, MMAL, OSTC, UPTC, DPC, MAUC, KHC, CONA, RONA, BIOA, SOKA, LESA, KBA, OBKA, WTTA, MOTA, SOTA, ABTA, DAVA, DBIC, TORD, TORD, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ASAJ Ashikawa, KLR Kuldur, SONMG Songoing Array, etc.

CATAC 07:20:52:57.21.3.11.81N-87.91W, h18km, 18km, ML3.3
SNET 07:20:53:01.3.0.9.12.10N-87.67W, h40km, 85km, ML3.5
ISC 07:20:52:57.2.1.1.11.87N-0.07.87.89W, 0.05, h16km, 17km, n35, c158/45, Near coast of Nicaragua

Main table of station data with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CRIN San Cristobal, PKGN Cerro Pekin, PACN AI O del Volca, etc.

ISC 07:20:54:22.9.1.2.0.67N-25.03W, h0km, mb3.87, mbmp3.97, MS3.5/14, Error ellipse: s-maj=55.5km s-min=23.8km az=147.0

ISC 07:20:54:24.4.1.1.0.6N-03.25W, 0.02, h10km, n24, c0837/8, mb4.0/6, MS3.4/14, Central Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H10N3 ASCENSION HYDR1, H10N2 ASCENSION HYDR1, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BDFB Brasilia, MDP Montagnes Des, TORD Torodi Arr, etc.

ISC 07:20:59:36.9.0.8.0.628S-143.32E, h0km, mb4.1/8, mbmp4.1/10, ML1.5/1, MS3.5/8, Error ellipse: s-maj=34.9km s-min=18.2km az=75.0

NEIC 07:20:59:38.0.1.5.614S-0.08.143.0E, 0.1, h10km, 1km, mb4.3/14, Error ellipse: s-maj=16.9km s-min=14.1km az=76.0

DJA 07:20:59:47.0.3.3.6.614S-143.3E, h21km, 28km, M4.4/9, mB5.0/1, mb4.4/9, MLV4.5/3, Mw(mB)4.4/1

ISC 07:20:59:38.6.0.6.659S-0.06.143.09E, 0.06, h10km, n50, c218/47, mb4.2/14, MS3.4/6, New Guinea

Main table of station data with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TABU Tabubil, JAY Jayapura, PMG Port Moresby, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BRVK Borovoye, ILAR Eielson Array, C23K Itkilik River, etc.

NNC 07:21:03:19.2.1.6.3822N-72.04E, h0km, mb4.1, mpv3.7, GC-3D, Error ellipse: s-maj=12.7km s-min=10.5km

ISC 07:21:09:56.5.11.0.13.69N-124.22E, h0km, mb3.5/3, mbtmp3.5/3, MS3.1/1, Error ellipse: s-maj=362.1km s-min=28.6km az=44.0, Luzon

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BATI Baumata, CMAR Chiang Mai Arr, WRA Warrungama Arr, etc.

ISC 07:21:16:31.1.0.4.0.85N-31.63E, h0km, mb4.3/29, mbmp4.3/44, ML3.7/13, MS3.7/66, Error ellipse: s-maj=8.1km s-min=6.0km az=31.0

ISK 07:21:16:31.3.0.4.0.86N-31.66E, h0km, ML4.9/34, MED\_RC 07:21:16:32.0.0.2.40.90N-31.57E, h2km, 1km, MW4.6/23, Moment Tensor Solution, Mantle waves: s23-c32;

Duration: 1s1 Moment tensor: Scale 10^16Nm; Mo=0.60t; Ms=0.10t; Mw=0.70t; Ms=0.49t; 12; Mw=0.65t; 02; Mo=0.07t; 06; Best double couple: M1.055x10^16 NP1.0298.000000, 063.000000, lambda=136.000000, NP2.0184.000000, 052.000000, lambda=35.000000. Principal axes: T 1.0900, Plg7.00000, Azm59.00000; N -0.0800, Plg40.00000, Azm323.00000; P -1.0100, Plg49.00000; Azm157.00000; nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s.

AFAD 07:21:16:32.0.0.2.40.90N-31.64E, h10km, 1km, MW4.7, MOS 07:21:16:32.0.0.2.40.90N-31.62E, h17km, mb4.7/32, Error ellipse: s-maj=4.2km s-min=2.9km az=103.9

MCSM 07:21:16:32.9.0.3.41.1N.2x3.2E, h6km, 2km, mb4.8, mB5.1, MLV5.0, Mw(mB)4.5

PDG 07:21:16:32.0.0.7.40.86N-31.61E, h17km, 1km, ML4.7/11, Error ellipse: s-maj=0.7km s-min=0.5km az=90.0

GII 07:21:16:32.6.0.5.40.86N-31.65E, h10km, confirmed, NEIC 07:21:16:33.0.1.3.40.84N-0.03.31.63E, 0.04, h10km, 1km, mb4.7/88, ML4.8/1(BUC), Error ellipse: s-maj=6.2km s-min=3.6km az=309.0

BEO 07:21:16:34.5.0.7.41.23N-31.68E, h0km, ML4.5/6, CFUSG 07:21:16:34.9.41.10N-31.50E, h10km, mb4.3/6,

Northwestern Turkey Magpye MSH 4.2 from 5 stations, NAO 07:21:16:37.6.40.88N-31.42E, h10km, mb4.3

ISC 07:21:16:32.5.0.5.40.88N-0.02.31.63E, 0.01, h10km, 3km, n784, c1151/857, mb4.6/92, MS3.7/46, 65C-70D, Turkey

Main table of station data with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BOLU Bolu-Merkez-Mu, YIGI Dzece, BCAM Yenigaca, etc.

7d 21h

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Main table containing station call signs, names, frequencies, and various status indicators. Includes sub-sections for 'SUDU Sudak' and 'MTUR Matau'.









Table with columns: Call sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like KDU Kakadu, TWSI Taliwang, STKI Sintan, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like CASY Casey, NRKI Noril'sk, GEYT Alibeck, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like PXW Pawanui, MOVZ Moawhango, WNWZ Wahianoa, etc.

IDC 00:00:07:33.5:0.8,21:91S:68:16W,h109km,11km,m3.3/2, mbmp3.7/4, Error ellipse: s-maj=31.1km s-min=13.7km

SJA 00:00:07:33.1:0.7,21:87S:68:47W,h131km,4km,ML3.4, MW3.5

GUC 00:00:07:34.0:0.6,21:86S:68:43W,h120km,4km,ML3.2

ISC 00:00:07:34.0:0.9,21:86S:68:50W,0.05,h129km,7km, n44,01:477:53:6C,Chile-Bolivia border region

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like PB09 IPOC Station P, PB09 IPOC Station P, etc.

Table with columns for station name, frequency, mode, and coordinates. Includes stations like GB01, PB11, YJA, PB14, GO02, etc.

Table with columns for station name, frequency, mode, and coordinates. Includes stations like PCRI3, AZU, AZI, etc.

RSNC 08:00:12:09.8:0.0, 7°N, 3°8'W, h4km, 4km, ML2.2
UPA 08:00:12:11.0:0.0, 9.7:22N-79:54W, h6km, 5km, MW3.5
ISC 08:00:12:10.0:0.0, 6.6:74N, 106:79.86W, 0.04, h14km, 11km, n22, -1507/23, 1C-1D, South of Panama

Table with columns for station name, frequency, mode, and coordinates. Includes stations like CAPV, PAMC, OCAC, etc.

Table with columns for station name, frequency, mode, and coordinates. Includes stations like WILC, LCBC, Dabeiba, etc.

IDC 08:00:26:21.0:1.1, 6.4:15S, 143:19E, h0km, mb4.0/7, mbmp3.9/9, ML1.8/1, MS3.3/2, Error ellipse: s-maj=36.9km s-min=24.9km az=62.0

Table with columns for station name, frequency, mode, and coordinates. Includes stations like PMG, PMG, WRA, ASAR, etc.

IDC 08:00:38:42.4:1.7, 2.80N-124:75E, h0km, mb3.2/4, mbmp3.2/4, Error ellipse: s-maj=201.7km s-min=23.3km az=64.0, Celebes Sea

Table with columns for station name, frequency, mode, and coordinates. Includes stations like WRA, ASAR, MKAR, etc.

IDC 08:00:41:23.0:2.0, 67:66N-33:66E, h0km, mbmp3.5/4, ML2.2/4, Error ellipse: s-maj=22.9km s-min=10.2km az=77.0

HEL 08:00:41:22.1:0.1, 67:63N-33:78E, h0km, ML1.6, Suspected explosion

KOLA 08:00:41:22.2, 67:61N-33:82E, h0km, ML1.9, Error ellipse: s-maj=4.5km s-min=1.7km az=150.0, Khinbyar, mines

Table with columns for station name, frequency, mode, and coordinates. Includes stations like KOLA, KOLA, etc.

Table with columns for station name, frequency, mode, and coordinates. Includes stations like KU6, KU6, RAUF, etc.

IDC 08:00:43:09.2:4.2, 19:77N; 122:59E, h55km, 40km, mb3.4/11, mbmp3.7/12, ML3.7/1, MS3.0/5, Error ellipse: s-maj=31.5km s-min=18.5km az=66.0

ISC 08:00:43:07.3:0.9, 19:77N; 0:12:55E, 0.2, h35km, n23, g095/13, mb3.7/11, MS3.0/3, Philippine Islands region

Table with columns for station name, frequency, mode, and coordinates. Includes stations like JOW, JNU, KSRS, etc.

IDC 08:00:46:25.0:0.0, 67:66N-33:66E, h0km, mbmp3.5/4, ML2.2/4, Error ellipse: s-maj=22.9km s-min=10.2km az=77.0

Table with columns for station name, frequency, mode, and coordinates. Includes stations like WRA, H1S3, H1S1, etc.

IDC 08:00:46:25.0:0.0, 67:66N-33:66E, h0km, mbmp3.5/4, ML2.2/4, Error ellipse: s-maj=22.9km s-min=10.2km az=77.0

HEL 08:00:41:22.1:0.1, 67:63N-33:78E, h0km, ML1.6, Suspected explosion

KOLA 08:00:41:22.2, 67:61N-33:82E, h0km, ML1.9, Error ellipse: s-maj=4.5km s-min=1.7km az=150.0, Khinbyar, mines

Table with columns for station name, frequency, mode, and coordinates. Includes stations like WRA, H1S3, H1S1, etc.

IDC 08:01:12:03.2:0.4, 18:45N-47:62W, h0km, mb4.5/34, mbmp4.6/35, ML4.8/1, MS3.9/73, Error ellipse: s-maj=13.3km s-min=11.1km az=121.0

8d 1h

Table with columns: HDN, Station Name, Time, Status, Date, Time, Status, Date. Includes stations like Guadeloupe/Mar, La Desirade Is, Morne Pois Mar, etc.

Table with columns: COVE, Station Name, Time, Status, Date, Time, Status, Date. Includes stations like Coope Vega, Sa Corning, SIV, etc.

Table with columns: HDIL, Station Name, Time, Status, Date, Time, Status, Date. Includes stations like Hopedale, French Village, FVM, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like WFTS, KANOH, ECSD, HNDO, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like baz=103, EPT, TNS, PRMA, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like LKWY, TUC, BRG, etc.

Table with columns: ID, Name, Time, Status, and other details. Includes entries like Elko, Iron Mountain, Ojcow, Troy Canyon, etc.

Table with columns: ID, Name, Time, Status, and other details. Includes entries like KEF, FINES, FIA1, VSU, M128, etc.

Table with columns: ID, Name, Time, Status, and other details. Includes entries like D28M, O30N, G29M, Pine Creek, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like PRP Porcupine Dome, C24K Franklin Bluff, CRQE Cirque, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like BELG, KARS Kars, H22K Ishlaltina Cre, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like N19K Bonanza Creek, RDOG Red Dog Mine, RDOG Red Dog Mine, etc.

8d 2h

Table with columns: NRID, comp, pmax, pmax, 01 24 49.6 -1.1, etc. Includes entries for CHNA Chernabura Isl, ABKAR Akbulak array, SDPT Sand Point, etc.

IDC 08 01:18:34.0-4.2, 5.64S, 151.98E, h0km, mb3.3/2, mbtmp3.4/2, MS3.3/1, Error ellipse: s-maj=173.4km s-min=54.9km az=120.0, New Britain region

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, etc. Includes entries for WRA Warramunga Arr, ASAR Alice Springs, etc.

CATAC 08 01:21:59.9-0.7, 14.17N, 90.86W, h101km, 9km, ML3.4 SNET 08 01:22:00.1-0.7, 14.00N, 90.90W, h88km, 35km, ML3.6 GCG 08 01:22:00.4-0.7, 13.92N, 91.15W, h32km, 4km, MD3.5

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, etc. Includes entries for WRA Warramunga Arr, ASAR Alice Springs, etc.

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Table with columns: CEVE, Cerro Verde, 1.43 93 eP, Pn, 01 22 23.2 +0.7, etc. Includes entries for Cerro Verde, Universidad Ca, etc.

JMA 08 01:29:43.4-0.2, 23.9N, 0.9E, 123.3E, 0.4, h25km, 2km, MV3.2/1, NEAR ISHIGAKIJIMA ISLAND

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, etc. Includes entries for HATJ Hateruma jima, IRIF Iriomote-Funau, etc.

NEIC 08 01:48:42.6-1.2, 36.17N, 0.02E, 98.98W, 0.03, h5km, 2km, Error ellipse: s-maj=4.1km s-min=3.0km az=264.0

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, etc. Includes entries for U32A Winter Ranch, U32A Uluksu, etc.

NEIC 08 01:56:43.6-1.9, 15.85S, 0.1E, 168.32E, 0.06, h136km, 10km, mb4.1/8, Error ellipse: s-maj=17.1km s-min=8.2km az=178.0

IDC 08 01:56:45.3-3.0, 15.94S, 167.77E, h152km, 25km, mb3.7/13, mbtmp4.2/14, MS3.3/1, Error ellipse: s-maj=26.0km s-min=14.4km az=83.0

NOU 08 01:56:53.5, 16.70S, 167.59E, h0km, MLV4.3/12, Vanuatu Islands

ISC 08 01:56:47.2-0.6, 16.01S, 0.07E, 167.9E, 0.1, h177km, n53, r122.55, mb4.0/16, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, etc. Includes entries for LIFC LIFOU, LIFC LIFOU, etc.

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Table with columns: MJAR Matushiro Arr, 59.33 332 P, P, 02 06 29.7 -0.9, etc. Includes entries for Vnda, Asahikawa, KSRS Kora Array, etc.

MOS 08 02:01:37.0-1.2, 43.79N, 146.55E, h90km, mb3.8/7, Error ellipse: s-maj=10.4km s-min=8.3km az=106.5

MOS Felt (III) at Makuriliskoye, SKHL 08 02:01:38.3-0.2, 43.80N, 146.50E, h84km, 4km, mb5.5/3, msha6.5/3

JMA 08 02:01:38.4-0.2, 43.8N, 0.7E, 147.7E, h76km, 2km, MV4.1/40, NEAR KUNASHIRI ISLAND

JMA Felt (I) at NEAR KUNASHIRI ISLAND, NEIC 08 02:01:40.1-1.1, 43.84N, 0.09E, 146.4E, 0.2, h101km, 7km, mb4.3/9, Error ellipse: s-maj=16.6km s-min=12.4km az=107.0

IDC 08 02:01:41.7-3.2, 43.91N, 146.36E, h110km, 25km, mb3.5/15, mbtmp3.8/17, Error ellipse: s-maj=28.2km s-min=15.9km az=82.0

ISC 08 02:01:38.1-0.6, 43.78N, 0.04E, 146.47E, 0.04, h80km, 5km, n92, r120.107, mb3.9/24, 11C-4D, Kuril Islands

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, etc. Includes entries for SHO Shikotan, SHO Shikotan, etc.

NEM2 Nemuro 2, 0.67 232 P, Pn, 02 01 53.8 +0.4, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like NORARS Subarra, NORARS Array B, NORARS Array A, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like NORARS Subarra, NORARS Array B, NORARS Array A, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Raoul Island, Matatinioka R, Quartz Hill, etc.

IDC 08 02:13:38.259.0, 22:05S:176.45W, h0km, mb4.1/3, mbtmp4.1/3, Error ellipse: s-maj=1090.0km

Table of meteorological data including station names (KURK, ZALV, H04N2, etc.), times, and various codes. Includes sub-sections for BOS, SBA, QSPA, and TXAR.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ELK, BMN, BVAR, ABKAR, etc.

Table with columns: NUBE, LOAL, SLOZ, RTR, CEVE, UNIC, JAYA, CEDA, PMON, MRL, MTO3, EQS, LOMA, COEG, TECO, PQSS, CNCH, CNGA. Includes station names like Losmas de Alarcos, Alcadia de Sa, etc.

KOLA 08 02:31:19.4, 67.62N, 33.75E, h0km, ML2.2, Error ellipse: s-maj=5.5km s-min=2.4km az=150.0, Khibiny, mines Kirovsk, Yukspor

REN 08 02:37:41.4, 1.7, 40.79N, 0.05, 115.96W, 0.03, h1km, 2km, ML3.0, ML2.6/78(NEIC), Error ellipse: s-maj=6.7km s-min=2.6km az=171.0, Nevada

DJA 08 02:48:44.2, 0.6, 11.5S, 6.10E, h10km, M3.9/13, mb3.8/1, mb3.7/1, MLV4.0/13, Mw(mb)2.6/1, South of Java

Table of meteorological data for the Russian Far East region (KOLA). Includes stations like APA, LOVZO, VRF, etc.

Table of meteorological data for Nevada (REN). Includes stations like ELK, BMN, BVAR, ABKAR, etc.

Table of meteorological data for South of Java (DJA). Includes stations like CGUJ, KPIU, YOGI, etc.

IDD 08 02:49:24.1, 1.1, 51.21N, 30.20W, h0km, mb3.6/9, mbmp3.6/10, ML3.3/1, MS3.2/14, Error ellipse: s-maj=36.2km s-min=18.6km az=14.0

ISC 08 02:49:26.2, 0.1, 51.21N, 30.20W, 0.11, h14km, n27, 0598/16, mb3.8/13, MS3.1/13, Northern Mid-Atlantic Ridge

NEIC 08 02:37:40.6, 2.2, 40.74N, 0.05, 115.92W, 0.01, h5km, 1km, Error ellipse: s-maj=7.9km s-min=2.9km az=353.0

SNET 08 02:38:04.9, 1.1, 13.68N, 91.70W, h13km, 38km, ML3.7, CATCH 08 02:38:04.6, 0.7, 13.73N, 91.76W, h16km, 1km, ML3.6, GCG 08 02:38:09.0, 0.4, 14.30N, 91.73W, h58km, 3km, MD4.1, ISC 08 02:38:05.0, 2.9, 13.73N, 0.1, 91.93W, 0.1, h44km, 42km, n36, s152Z/48, Near coast of Guatemala

Table of meteorological data for the Mid-Atlantic Ridge (IDD) and various other stations like EKA, SFJD, ESCD, etc.

SKO 08 03:01:29.6, 41.74N, 21.90E, h12km, ML2.5, THE 08 03:01:31.3, 41.66N, 21.97E, h2km, 1km, ML2.3/4, Error ellipse: s-maj=1.8km s-min=0.7km az=167.0, ATH 08 03:01:31.9, 41.62N, 21.97E, h6km, 2km, ML2.7, Error ellipse: s-maj=3.9km s-min=1.2km az=162.0

BEO 08 03:01:31.2,0.4,41.74N-21.89E,h1km,2km,ML2.3,7  
ISC 08 03:01:31.2,0.9,41.73N,0.02,21.90E,0.02,h24km,8km,  
n52,ϕ1531/82,1D,Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like STIP, SKO, PRV, GRG, BOSS, KKB, KNT, FNA, OHR, BARS, VTS, THE, MMB, SRS, SOH, NEST, NVR, SELS, PENT, KOKK, BEY, SLES, KAVA, ZAGS, OUR, THL, PLD, PAIG, IVAS, GRUS, MAKR, ACG, TRUS, BBLS, HAPS, FRGS, BZS.

RSNC 08 03:02:52.2,0.0,5'N,1°7'6'W, h103km,3km,mb4.1,  
ML2.6, Colombia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PLMC, GUY2C, RECR, CBOC, ANIL, NORC, ORTC, PIZZ, ROSC, MALC, DBBC, SPBC, CVER, JAMC, PTBC.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like VILC, BETC, ZARC, POPC, PTAC, GARC, GRUS, GARC, BBAC, FLOC, MACC, CRUC, PRUC, PAMC, OCAC, GCUF, AZU, CRUC.

TRN 08 03:19:30.3,17.48N,61.36W,h30km,MD3.7,South-east  
of Barbuda, Leeward Islands

Table with columns: Code, Station Name, Δ°, AZ°, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ANBD, ANDO, ABD, MBFL, CBE, BLM, MPOM, SLOBI.

JMA 08 03:28:59.8,0.1,24°N,122°30'E,0.5,h63km,1km,  
MV1.8/11,NW OFF ISHIGAKIJIMA IS  
TAP 08 03:29:00.1,24.36N,122.88E,h62km,ML2.6,C  
ISC 08 03:29:00.1,3,24.30N,122.92E,0.03,h63km,8km,  
n62,ϕ1527/113,Taiwan region

Table with columns: Code, Station Name, Δ°, AZ°, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like JYNG, YOJ, YOJ, E03, E03, E04, E04, E04, E02, E02, IRIF, JKRS, TWC, EWUT, JIJ, JU, TIPB, TIPB, NACB, NACB, TWD, LATG, LATG, JISG, FUSB, FUSB, ETNH, ETNH, NDT, SHUL, SHUL, NWLT, LXIB, LXIB, NNSB, NNSB, ESL, ESL, YHNB, YHNB, NSK, NSK, EGFH, EGFH, WARB.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WARB, WHF, WHF, FUSS, FUSS, TWY, TWY, HGSD, HGSD, CHGB, CHGB, OWD, OWD, EHY, EHY, WUSB, WUSB, NFF, NFF, VWDT, VWDT, YULB, YULB, EYUL, EYUL, TW1, TW1, WHP, WHP, FULB, FULB, SSSL, SSSL, SMLT, SMLT, TYC, TYC, EHD, EHD, NMLH, NMLH, WHYT, WHYT, EDH, EDH, ELDTW, ELDTW, ALS, ALS, LDUT, LDUT, CHN5, CHN5, CHN5, CHN5, TWGB, TWGB, TPUB, TPUB, CHN4, CHN4, CHN4, CHN4, TWK, TWK, TWK, TWK, CHN1, CHN1, SLGT, SLGT, MASBT, MASBT, MASBT, MASBT.

NEIC 08 03:32:23.8,0.4,36.292N,0.077E,53W,0.01,h8km,8km,  
Error ellipse: s-maj=1.9km s-min=0.3km az=57.0  
NEIC 08 03:32:28.4,0.3,36.30N,0.0197E,520W,0.006h,6km,6km,  
mb, Lg2.5/34,ML2.5/68, Error ellipse: s-maj=2.0km  
s-min=0.7km az=172.0  
TUL 08 03:32:29.0,0.4,36.30N,0.0197E,52W,0.01,h6km,5km,  
ML2.2, Error ellipse: s-maj=1.6km s-min=1.6km az=86.0,  
Oklahoma

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CROK, CROK, CROK, OK048, OK048, OK029, OK029, OK033, OK033, OK051, OK051, GC02, GC02, ADOK, ADOK, ADOK, ADOK, OK052, OK052.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Battle Ridge R, QUOK, KAN13, KAN14, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes sections for Taiwan, IDC 08 04:05:17.0, IDC 08 04:06:57.6, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CEVE, JAYA, PMON, UDBS, SJTE, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HATJ, IRIF, YOJ, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SULM, SUGM, FUG, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PAYG, JTS, BRUJ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include: TABTG Tabatinga, AM 21.66 105 P P 05 00 07.0 -0.8; BAUV El Baul 23.91 71 P P 05 00 30.5 -0.7; ZACABO Zacabos 24.10 333 P P 05 00 33.8 +0.7; etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include: FYU Fort Yukon 75.22 340 P P 05 07 00.8 +1.4; BMAR Burnt Mountain 75.48 341 P P 05 07 00.2 -0.8; G24K Hadweenciz Riv 76.05 340 P P 05 07 00.4 -0.2; etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include: BGR 08 05:08:34.7, 14:27N-89:80W, h95km, mb4.9, Ms4.8; SCS 08 05:08:23.2, 0.5, 13.84N, 0.04-91.59W, 0.04, h52km, 9.5km; SCS 08 05:08:23.2, 0.5, 13.84N, 0.04-91.59W, 0.04, h52km, 9.5km; etc.

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for stations in the 8d 5h range.

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for stations in the 2018 APR range.

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for stations in the 492 range.

Table with columns: Station ID, Name, Frequency, Class, Mode, Power, and other technical details. Includes stations like KAN09 Caldwell North, V55A Taylorsville, and many others.

Table with columns: Station ID, Name, Frequency, Class, Mode, Power, and other technical details. Includes stations like 054A Avella, N51A Ashland, P57A Homeland Farm, and many others.

Table with columns: Station ID, Name, Frequency, Class, Mode, Power, and other technical details. Includes stations like WSPT Westport, CT, QSM Queen of Sheba, J55A Hilton, and many others.

Table with columns: Station, Frequency, Mode, Power, and other technical details. Includes stations like San Andreas Ge, Milan, Pine Hill, Emerald Bay, etc.

Table with columns: Station, Frequency, Mode, Power, and other technical details. Includes stations like FCC, DRLN, SCHO, CBB, AC06, etc.

Table with columns: Station, Frequency, Mode, Power, and other technical details. Includes stations like NBPB, P32M, P33M, P33M, S31K, etc.



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Table with columns for station ID, name, frequency, mode, and various parameters. Rows include LL02 Futaleuf, I30M Mount Dempster, BVCY Beaver Creek, etc.

Table with columns for station ID, name, frequency, mode, and various parameters. Rows include HDA Harding Lake, E27K Coleen River, KDAK Kodiak Island, etc.

Table with columns for station ID, name, frequency, mode, and various parameters. Rows include M17K Holitna River, J18K Innoko River, SDPT San Point, etc.

Table of astronomical observations for 8d 5h, listing objects like DOMB, SKAR, NSS, etc., with columns for name, coordinates, magnitude, and other parameters.

Table of astronomical observations for 2018 APR, listing objects like CIMO, BIAO, KBA, etc., with columns for name, coordinates, magnitude, and other parameters.

Table of astronomical observations for 496, listing objects like SONM, SONM, SONM, etc., with columns for name, coordinates, magnitude, and other parameters.

GCG 08 05:12:20.6-0.7, 13:75N-91:97W, h60km, 28km, MD4.1
SNET 08 05:12:22.0-0.7, 13:68N-91:71W, h14km, 448km, ML3.9
ISC 08 05:12:19.2-0.4, 13:61N-91:02.1W, 0.2, h37km, n16,
o054/19, Off coast of Chiapas

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, H, m, s, ISC, Res. Lists various stations and their observation details.

Table with columns: LOMA, Loma Larga, COEG, Centro de Oper, 2.81, 3.09, 8d eP, Pn, 05 13 01.6 -0.1, 05 13 06.0 +0.5

SNET 08 05:16:29.5,0.8, 13.84N:91.76W, h75km, 33km, ML3.5
GCG 08 05:16:35.2, 1.0, 14.26N:91.66W, h60km, 8km, MD3.6
ISC 08 05:16:26.8-3.7, 13.6N:0.2, h52km, 53km, n17,
c155Z/22, Off coast of Chiapas

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

NEIC 08 05:16:44.9, 2.2, 22.22S:0.09:179.4W:0.1, h54km, 6km,
mb4.6/165, Error ellipse: s-maj=15.7km s-min=11.4km
az=135.0

BGR 08 05:16:46.2, 2.2, 22.35S:178.98W, h570km
NOU 08 05:16:47.2, 2.2, 22.35S:179.41W, h581km, mb4.8/36, South
of Fiji Islands

IDC 08 05:16:51.2, 2.2, 22.22S:179.72W, h620km, 25km,
mb3.7/20, mbtmp4.6/20, Error ellipse: s-maj=12.3km
s-min=10.6km az=138.0

ISC 08 05:16:46.6, 0.3, 22.21S:0.05:179.43W:0.06, h579km,
n740, c151Z/755, mb4.6/120, 37C-33D, South of Fiji
Islands

Main table with columns: Code, Station Name, Az, Az, Phase, ID, Time, Res, h m s, ISC

Main table with columns: TUWZ, Tuamarina, MRNZ, Matariki Terra, THZ, Topohouse, DSZ, Denniston Nort, KHZ, Kahurangi, etc.

Main table with columns: LRMZ, Laurel Mtn Rad, CWC, Cottonwood Cre, BELC, Belle Mtn. Jos, MPMC, Manual Prospec, BC3, Big Chuckawall, TIN, Tinemaha, Big, HEC, Hector Ludlow, etc.

2018 APR

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like VNA3, L19K, L19K, RC01, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like HLID, HVU, O28M, H18K, G17K, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like F19K, ILAR, ILAR, PZH, PZH, etc.

Table of astronomical observations for stations 499-973. Columns include station ID, name, RA, Dec, Az, El, and various data fields.

Table of astronomical observations for stations 974-1453. Columns include station ID, name, RA, Dec, Az, El, and various data fields.

Table of astronomical observations for stations 1454-2323. Columns include station ID, name, RA, Dec, Az, El, and various data fields.

Table with 7 columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes entries like SULM, RTAL, STG3, etc.

ADC 08:05:22:52.5, 1.2, 50N:91.18W, h0km, mb3.6/5, mbmp3.6/6, ML3.0/1, Error ellipse: s-maj=93.5km

CATALOG 08:05:23:07.2, 0.6, 13.73N:91.77W, h32km, 14km, ML3.8

ISC 08:05:23:06.7, 1.3, 13.74N:0.07-91.76W, 0.07, h28km, 13km, n32, c1f04/44, mb3.8/4, Near coast of Guatemala

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time, Residual (Res), and other station-specific data. Includes stations like PCG Pacaya, GUMI Mico, NBG Las Nubes, etc.

NEIC 08 05:25:59.5-0.4, 18.25N-01:02:66.95W-0.007, h19km,2km,ML2.3/20,MD2.4/14(RSPR),Error ellipse: s-maj=2.4km s-min=0.8km az=188.0

OSPL 08 05:25:59.0-0.4, 18.24N-66:89W, h6km,3km,ML2.1 SDD 08 05:26:00.2-0.5, 18.25N-66:95W, h16km,5km,MD2.5, ML2.3,MW2.6

RSPR 08 05:26:00.1, 18.24N-66:96W, h15km,1km,MD2.4/4

ISC 08 05:25:59.5-0.8, 18.24N-01:02:66.95W-0.02, h17km,6km, n51, a0316/4, 15C-9D, Puerto Rico region

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time, Residual (Res), and other station-specific data. Includes stations like LSP Las Mesas, PRSN Puerto Rico Se, AOPR Arecibo Observ, etc.

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time, Residual (Res), and other station-specific data. Includes stations like OBIP comp=E,196nm,0.2s, CELP Cerrillos, GPRR Guaynabo City, etc.

RSPR 08 05:28:21.6, 18.24N-66:97W, h18km,1km,MD2.8/7,7C, Puerto Rico region

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time, Residual (Res), and other station-specific data. Includes stations like LSP Las Mesas, PRSN Puerto Rico Se, AOPR Arecibo Observ, etc.

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time, Residual (Res), and other station-specific data. Includes stations like ASAR Alice Springs, MKAR Makanchi Array, SGT3 Santiago C, FUG Fuego 3, SMSG San Marcos, etc.

ISC 08 05:34:22.5-0.9, 14.04N-91.15W, h0km, mb4.1/8, mbtmp4.1/9, ML4.3/1, MS3.9/5, Error ellipse: s-maj=41.2km s-min=17.5km az=60.0

SNET 08 05:34:26.5-1.0, 13.73N-91.79W, h34km,947m,ML4.3

CATC 08 05:34:27.4-0.5, 13.94N-91.59W, h11km,5km,ML4.4

GCG 08 05:34:28.1-1.0, 13.95N-91.85W, h58km,17km,MD4.4

NEIC 08 05:34:28.2-1.3, 13.80N-01:07-91.70W-0.08, h35km,2km, mb4.5/120, Error ellipse: s-maj=15.4km s-min=9.8km az=49.0

ISC 08 05:34:27.9-1.0, 13.78N-01:06-91.72W-0.06, h47km,9km, n197, a1802/170, mb4.4/56, MS3.8/4, Near coast of Guatemala

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time, Residual (Res), and other station-specific data. Includes stations like SGT3 Santiago C, FUG Fuego 3, SMSG San Marcos, etc.

Table listing stations with columns: POS, comp-Z, elevation, time, station name, and various status indicators. Includes stations like PACA Pacayal, JUCU Jucuarjn, PETF Flores, and many others.

Table listing stations with columns: SNOW, code, station name, elevation, time, station name, and various status indicators. Includes stations like Snow King Moun, NV11 Mina Array Sit, NVAR Mina Array Bea, and many others.

Table listing stations with columns: Code, station name, elevation, time, station name, and various status indicators. Includes stations like AZER, DRS, MOS, NOR, and many others.

Table listing stations with columns: Code, station name, elevation, time, station name, and various status indicators. Includes stations like LACR AGDM, AGDM Agdam, ONI Oni, and many others.

Table listing stations with columns: Code, station name, elevation, time, station name, and various status indicators. Includes stations like CATA, CATA, CATA, and many others.





Table with columns: Code, Station Name, s-min, az, Phase ID, Time Res, Res ISC. Includes stations like HNR Honiara, STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs.

IDC 08 07:25:31.2L 0.9, 37.23N:97.88W, h0km, mb3.5/2, mbtpm3.4/7, ML3.3/5, Error ellipse: s-maj=12.2km s-min=10.2km az=126.0 NEIC 08 07:25:33.0L 0.5, 37.20N:0.02:97.78W:0.02, h6km, 2km, mb\_Lg3.3/14, ML3.8/50, ML3.5/17, Error ellipse: s-maj=2.3km s-min=1.9km az=168.0 NEIC 08 07:25:32.8L 0.6, 37.20N:0.01:97.77W:0.02, h5km, 2km, Error ellipse: s-maj=2.1km s-min=1.9km az=165.0 ANF 08 07:25:32.9L 0.9, 37.21N:97.82W, h4km, 2km, ML4.3/14, Error ellipse: s-maj=2.6km s-min=2.6km az=23.0

Main table for stations 1-500. Columns include Code, Station Name, s-min, az, Phase ID, Time Res, Res ISC. Includes stations like KAN01 Argonia South, KAN06 Argonia West S, KAN05 Bluff City Nor, KS21 Milan North St, KS21 Milan North St, KAN09 Caldwell North, KAN17 Caldwell West, KAN08 Anthony NE Sta, KAN12 Harper NE Sta, KAN14 Manchester OK, KAN13 South Haven SW, KAN13 South Haven SW, G002 Grant County #, OK032 Salt Plains W, BLOK Blackwell, CROK Carrier, OK035 E0210 Rd and N, OK051 E0350 and S346, OK048 Pawnee Station, T35A Sooner Cattle, OK038 West End E0370, U32A Winter Ranch, OK033 Mehan, QUOK Quay, OK029 Liberty Lake, R32A Long Quarter, OK052 Battle Ridge R, DEOK Depew, CSTR Hydro, Custer, okcsw OKLAHOMA CITY, FNO Franklin, TUL3 Leonard, KSU1 Kansas State U, KSU1 Kansas State U, W35A Tecumseh, CBKS Cedar Bluff, RLO Rose Lookout, WMOK Wichita Mounta, WMOK Wichita Mounta, H3AR Gravette, HHAR Hobbs, LOOK Love County, X37A Clayton, N33A J Bar K, Exete, S39A Bolivar, Z35A Perchaven, AMTX Amarillo, AMTX Amarillo, RTBA Rita Blanca, P38A Dawn, FW03 Perrin-Whitt E, BGNE Belgrade.

Main table for stations 501-1000. Columns include Code, Station Name, s-min, az, Phase ID, Time Res, Res ISC. Includes stations like BGNE Belgrade, FW06 Azle, KSCO Kaye Shedlock, KSCO Kaye Shedlock, MIAR Mount Ida, MIAR Mount Ida, DKNS Dickens, PLPT Palo Pinto, FW07 Weatherford, R40A Maddies Statio, Z38A Mt. Pleasant, TREL Terrell, FCAR Ozark Folk Cen, FW16 Wahatchie, ABTX Abilene, Hawle, ABTX Abilene, Hawle, WHAR Woolly Hollow, X40A Basin Creek Fa, L34A Swendsen Farm, OGNB Ogallala, SNO5 Snyder 5, UALR University of, N38A Joe South For, P40A Paris, WLAR White Oak Lake, MSTX Muleshoe, MSTX Lake Whitney, WHTX Lake Whitney, WHTX Lake Whitney, CCM Cathedral Cave, CCM Cathedral Cave, T25A Trinidad, T25A Trinidad, T25A Trinidad, 237A Wassetta, Mont, LCAR Lake Charles, Z41A Richland Creek, SCIA State Center, SCIA State Center, SCIA State Center, CCAR Gene Creek, SGCV Sterling City, HBAR Harrisburg, BRDY Brady, NATX Nacogdoches, NATX Nacogdoches, Q24A Divide, Q24A Divide, Q24A Divide, BRDGO Briggsdale, SICO Great Sand Dun, 435B Jarrell, 435B Jarrell, 435B Jarrell, CGM3 Cape Girardeau, ECSD ERD Data Cent, ECSD ERD Data Cent, K38A Parkersburg, ISCO Idaho Springs, ISCO Idaho Springs, HNVL Huntsville, TX, SIUC Southern Illin, OZNA Ozona, 143A Soes Landing, JCT Junction City, JCT Junction City, L40A Anamosa, P44W Meyer Farm, Va, PHWY Pilot Hill, SUSD Miller, SUSD Miller, OXF Oxford, OXF Oxford, ANMO Albuquerque, ANMO Albuquerque.

Main table for stations 1001-1500. Columns include Code, Station Name, s-min, az, Phase ID, Time Res, Res ISC. Includes stations like ANMO comp=Z,2.6nm,0.3s,baz=60,slow=14,SNR=7.2, HDIL Hopedale, HDIL Hopedale, HDIL Hopedale, 441A DeRidder, 441A DeRidder, HND0 Hondo, HND0 Hondo, O44A Mastfield Id, L42A Oliver, Polo, EF01 Eagle Ford 01, WVT Waverly, WVT Waverly, SAND Sanderson, DRIO Del Rio, JFWS Jewell Farm, JFWS Jewell Farm, JFWS Jewell Farm, 735A Kennedy, MNTX Cornudas Moun, RSSD Black Hills, RSSD Black Hills, I40A Norwalk, M44A Midewin, Midew, K22A Casper, Z47A Carrollton, K43A Burlington, TXAR Lajitas Array, TXAR Lajitas Array, TXAR Lajitas Array, TXAR Lajitas Array, I42A Draeger Farm, E28A Huff, PD32A Dogwood Acres, PD32A Pinedale Array, PDAR Paducah, PDAR Paducah, PDAR Paducah, TKL Tuckaleehee C, TKL Tuckaleehee C, ULM Lac du Bonnet, ULM Lac du Bonnet, ULM ULM, YKA Yellowknife Ar, ILAR Eielson Array.

CATAC 08 07:44:16.9L 0.6, 13.30N:86.19W, h0km, ML3.2, SNET 08 07:44:49.3L 0.7, 12.91N:88.86W, h32km, 4km, ML2.0, 1C, Off coast of central America

Main table for stations 1501-2000. Columns include Code, Station Name, s-min, az, Phase ID, Time Res, Res ISC. Includes stations like TECO Alcala de Te, TECO Tecapa, JUCU Jucuarrn, JUCU Jucuarrn, COEG Centro de Oper, COEG Centro de Oper, SJTE Alcalda de S, SJTE Alcalda de S, PACA Pacayal, PACA Pacayal, PACA Pacayal, PQSS Presa 15 de Se, PQSS Presa 15 de Se, PQSS Presa 15 de Se, SCLA Alcalda de Sa, PAVA Las Pavas, PAVA Las Pavas, PAVA Las Pavas, JAYA Jayaque - finc, JAYA Jayaque - finc, LCND La Caada, CNCH Conchagua.

IDC 08 07:50:48.0L 2.1, 2.50S:127.42E, h0km, mb3.1/2, mbtpm3.2/3, ML3.5/1, Error ellipse: s-maj=146.0km s-min=28.1km az=66.0, Ceram Sea

Main table for stations 2001-2500. Columns include Code, Station Name, s-min, az, Phase ID, Time Res, Res ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, UCR 08 07:57:23.0L 0.9, 10.24N:86.27W, h17km, 14km, MW3.7, CATAC 08 07:57:23.6L 0.6, 10.34N:86.25W, h8km, 3km, ML3.1, ISC 08 07:57:23.3L 0.0, 10.29N:0.05:86.25W:0.06, h12km, 10km.

8d 8h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like San Juanillo, Santa Cruz, Filadelfia, Juan Diaz, Horizontes, Ortega, Verana, Soce, JACO, UNAN, CPMI, COVE, APQZ, APYU, ACON, MACN, BOAB, CNGA, CNNG, ROCN, LCR2, RIMA, POLN, PKGN, CDM, SRBA.

BGR 08:05:09.0, 201.13S, 170.17E, h220km
NEIC 08:05:13.8, 1.2, 18.87S:0.09:169.23E:0.09, h220km, 5km, mb4.5/39, Error ellipse: s-maj=13.4km s-min=11.4km

IDC 08:05:14.9, 1.2, 18.86S:169.07E, h240km, 10km, mb3.9/15, mbtmp4/16, Error ellipse: s-maj=13.8km s-min=9.9km az=142.0

NOU 08:05:14.6, 18.90S:169.14E, h219km, mb4.6/26, Vanuatu Islands

ISC 08:05:10.7, 0.3, 18.73S:0.06:169.24E:0.06, h201km, n484, s13/470, mb4.4/41, 24C-8D, Vanuatu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LIFUNC, MARNC, VATNC, PINNC, DZM, OUCNC, ONTNC, KOUNC, MSVF, ARMA, URZ, AUPHS, CTVAH, CTAO, AULRC, MRZ, PMG, MTSU.

2018 APR

Main table with columns: QLP, CMA, CANS, COEN, INKA, QIS, STKA, STKA, STKA, OOD, WR0, BBOO, WBO, WB2, WRAB, WRA, WRA, WRA, AS31, ASAR, ASAR, ASAR, MUL, MTN, MTN, WRKA, KNRA, KNRA, FOR, FITZ, PEA00, MBWA, MORW, MLOA, VNSA, VNSA, SBA, SBA, CASY, MJAR, USRK, QSPA, QSPA, PET, PEA0B, PETK, PETK, NIKH, BNX, BNX, UNV, LYN, LYN, FALS, P08K, SP1A, CHNA, S12K, SDPT, CMAR, XLT, XLT, XLT, XLT, S14K, PZH, PZH, CHGN, HHC, HHC, CHIR, P16R, SII, M11K, O14K, O14K, O15K, N14K, OHAK, OHAK, OHAK.

504

Table with columns: M13K, P16K, Q16K, N15K, N15K, O16K, O16K, M14K, KDAK, KDAK, KDAK, P17K, B3LA, B3LA, M15K, O17K, L14K, N16K, P18K, P18K, Q19K, Q20K, L15K, O18K, M16K, N17K, GAMB, P19K, P19K, N18K, J14K, K15K, O19K, M17K, HOM, O20K, N19K, L17K, M18K, BRSE, L18K, J16K, K17K, ANM, SEW, N20K, L19K, I17K, O22K, M20K, TNA, PKM, TTA, Q23K, SMMK, G15K, H16K, SC12, F14K, L20K, SUA, RCO1, J18K, J18K, CIS, SKT, YAK, F15K, M22K, OSI, G16K, PMR, ELB, ARVO, H17K, K20K, KNK, GLI, VOG, YES, PPLA, SONM, SONM, SONM, J19K.



Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like KASTN, ARSA, BUG, BBLS, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like RTAL, STG3, FUG, SMTS, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like COEG, UESV, TECO, etc.

IDC 08:08:18:26.8.1.3, 1.90N-90.53W, h0km, mb4.0/8, mbmp4.0/9, ML3.4/1, Error ellipse: s-maj=75.0km

ISC 08:08:18:27.3-1.1, 1.61E-0.2-90.3W-0.2, h10km, n20, +121/15, mb4.0/9, Galapagos Islands

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like ATAH, SDV, LPAZ, CPUP, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like JAYA, CEDA, PCIG, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like SCIG, MOMM, NEUV, etc.

SNET 08:08:19:16.0.1.0, 13.69N-91.83W, h29km, 19km, ML4.3

CATAC 08:08:19:16.0.5.13, 73N-91.78W, h20km, 8km, MB4.9, mb5.0, ML4.6

MEX 08:08:19:17.2.0.7, 13.71N-92.10W, h11km, 62km, MD4.7

GCG 08:08:19:19.5.2.0, 14.00N-91.79W, h59km, 35km, MD4.7

NEIC 08:08:19:19.3.1.3, 13.78N-0.05-91.64W, 0.07, h35km, 2km, mb4.4/9, Error ellipse: s-maj=12.6km s-min=7.8km az=25.0

IDC 08:08:19:22.9.2.2, 13.86N-91.34W, h87km, 7km, mb3.8/16, mbmp4.1/19, MS3.7/44, Error ellipse: s-maj=28.9km s-min=11.3km az=58.0

ISC 08:08:19:15.8.1.4, 13.73N-0.04-91.83W-0.04, h2km, 10km, n273, +163/254, mb4.4/49, MS3.7/43, Near coast of Guatemala

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like SUTL, RVAL, PAVA, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like ESQI, UTEC, PANCS, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like VOIG, PNIG, TOIG, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like HDC Heredia, LCR2 La Lucha 2, PLIG Platanillo, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like SAML comp=Z,2.3nm,0.7s, ULM Lac du Bonnet, J08A Circle Bar Array, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like BVAR 0.4nm,0.8s, BVAR Borovoye Array, CATAC 08 08:53:25.0-0.8, etc.

Table with columns: STA, Code, Station Name, Az, El, P, S, Time, Res. Includes stations like IAN, XLIX, TWE, LATG, ENTT, TWTB1, etc.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like WCS, LIOB, SMLT, NSTT, EHD, etc.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like TA01, PB01, PATCX, etc.

SJA 08 09:24:29.9:0.6, 19:77S:69:27W, h112km, 2km, MLL3.2, MW3.5

GUC 08 09:24:31.9:0.6, 19:77S:69:23W, h103km, 3km, MLL3.2

ISC 08 09:24:32.3:1.5, 19:81S:0:0.3:69:32W:0.07, h102km, 8km, n28, -068/45, 4C, Northern Chile

IDC 08 09:37:48.4:8.4, 32:17S:179:94E, h332km, 95km, mb3.4/2, mbmp4.3/3, Error ellipse: s-maj=106.1km s-min=40.2km az=2.0

WEL 08 09:37:53.1:0.5, 32:5.6:179:0E:1'4, h12km, M4.6/26, mb5.2/25, ML4.8/35, MLV4.8/26, Mw(mb)4.6/25, Error ellipse: s-maj=0.0km s-min=0.0km az=109.6, confirmed

ISC 08 09:37:49.1:2.0, 32:3S:0:1:179:8W:0.2, h350km, n50, c=253/70, South of Kermadec Islands

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

IDC 08 09:44:24.9:1.0, 55:77S:25:05W, h0km, mb3.9/5, s-min=20.6km az=74.0

NEIC 08 09:44:28.7:1.7, 56:1S:0:1:25:7W:0.2, h10km, 2km, mb4.5/22, Error ellipse: s-maj=22.5km s-min=18.0km az=44.0

ISC 08 09:44:27.4:0.8, 56:0S:0:1:25:4W:0.1, h10km, n40, c=1922/35, mb4.4/16, MS3.3/6, SC, South Sandwich







Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BDFB Brasilia, VNDA Vanda, TKL Tucleachee C, etc.

NEIC 08 12:24:56.7, 0.5, 37.20N, 0.01197, 77W, 0.011, h6km, 1km, mb, Lg2.4/15, ML2.5/18, ML2.7/48, Error ellipse: s-maj=1.6km s-min=1.3km az=197.0

NEIC 08 12:24:56.5, 0.5, 37.194N, 0.01197, 77W, 0.011, h5km, 1km, Error ellipse: s-maj=2.1km s-min=1.7km az=193.0, Kansas

Main table for station data on page 511, including stations like Argonia South, Argonia West S, Bluff City Nor, etc.

IDC 08 12:46:35.2, 4.3, 5.77S, -149.71E, h0km, mb2.8/2, mbtmp3.1/3, ML1.5/1, Error ellipse: s-maj=162.0km s-min=46.6km az=114.0, New Britain region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PMG Port Moresby, WRA Warramunga Arr, etc.

NIED 08 13:20:57.1, 36.68N, 141.23E, h50km, MW3.7, Moment Tensor Solution. s3: Moment tensor: Scale 10^14Nm; Mn:0.52; Mo:1.22; M0:1.74; M2:3.21; M3:1.96; M4:0.46; Fault plane solution: M3:3.43000x10^14 NP1:0.69.000000, 0.83.000000, 1.136.000000. NP2:0.165.000000, 0.846.000000,

1.9.00000. IDC 08 13:20:57.9, 2.5, 36.70N, 141.19E, h53km, 23km, mb3.2/7, mbtmp3.6/10, ML3.3/7, MS2.7/2, Error ellipse: s-maj=26.3km s-min=17.8km az=96.0, JMA 08 13:20:57.1, 0.1, 36.7N, 0.3:141.2E:0.7, h50km, 1km, MD3.9/39, MV3.9/39, E OFF IBARAKI PREF, JMA Felt 1 J1 at E OFF IBARAKI PREF, ISC 08 13:20:57.1, 5.1, 36.67N, 0.005:141.37E:0.008, h32km, 5km, n36, n1:07/30, mb3.5/7, 15D, Near east coast of eastern

Main table for station data on page 512, including stations like Honshu, lwakimizuishiy, lwakimizuishiy, etc.

IDC 08 13:29:21.9, 1.6, 2.19N, 124.84E, h0km, mb3.2/4, mbtmp3.2/4, Error ellipse: s-maj=186.3km s-min=22.0km az=10.0, Celebes Sea

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

NEIC 08 13:37:30.7, 2.5, 2.22S, 158.85W, h107km, 8km, mb4.1/3, Error ellipse: s-maj=8.7km s-min=5.0km az=102.0, SJA 08 13:37:30.1, 0.7, 2.22S, 158.85W, h107km, 8km, ML3.4, MW3.5, GUC 08 13:37:31.6, 0.8, 2.22S, 158.85W, h110km, 5km, ML3.5, ISC 08 13:37:30.9, 0.9, 2.22S, 158.85W, h110km, 6km, n62, n111/84, 7C-2D, Northern Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LVC Limon Verde, LVC Limon Verde, LVC Limon Verde, etc.

IDC 08 13:56:45.3, 0.9, 5.66S, 82.05W, h0km, mb3.7/7, mbtmp3.6/8, ML3.0/1, MS3.0/4, Error ellipse: s-maj=46.9km s-min=20.9km az=67.0, IGQ 08 13:56:52.8, 1.4, 6.5S, 19.8W, 3.7, h0km, ISC 08 13:56:46.5, 0.8, 5.75S, 82.08:81.65W:0.09, h10km, n35, c2:03/31, mb3.9/7, Near coast of northern Peru

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AF01 San Pedro de A, PB15 IPOC Station P, PB15 IPOC Station P, etc.

IDC 08 13:56:45.3, 0.9, 5.66S, 82.05W, h0km, mb3.7/7, mbtmp3.6/8, ML3.0/1, MS3.0/4, Error ellipse: s-maj=46.9km s-min=20.9km az=67.0, IGQ 08 13:56:52.8, 1.4, 6.5S, 19.8W, 3.7, h0km, ISC 08 13:56:46.5, 0.8, 5.75S, 82.08:81.65W:0.09, h10km, n35, c2:03/31, mb3.9/7, Near coast of northern Peru

Main table for station data on page 513, including stations like IPOC Station P, IPOC Station P, IPOC Station P, etc.

IDC 08 13:52:19.0, 4.9, 5.20N, 95.48E, h0km, mb3.4/6, mbtmp3.4/6, Error ellipse: s-maj=267.9km s-min=22.4km az=56.0, ISC 08 13:52:33.5, 4.9, 6.1N, 1.96E, h100km, 95, c0:95/6, mb3.4/6, Northern Sumatara

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H08S2 Diego Garcia H, H08S3 Diego Garcia H, H08S1 Diego Garcia H, etc.

IDC 08 13:56:45.3, 0.9, 5.66S, 82.05W, h0km, mb3.7/7, mbtmp3.6/8, ML3.0/1, MS3.0/4, Error ellipse: s-maj=46.9km s-min=20.9km az=67.0, IGQ 08 13:56:52.8, 1.4, 6.5S, 19.8W, 3.7, h0km, ISC 08 13:56:46.5, 0.8, 5.75S, 82.08:81.65W:0.09, h10km, n35, c2:03/31, mb3.9/7, Near coast of northern Peru

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ARNL Arenillas, ATAH Atahualpa, ATAH Atahualpa, etc.



Table with columns: DIVS, Divibare, 6.21 357 ePn, Pn, 14 24 57.3 0.0, 14 26 04.5 -3.2, 14 24 58.9 +0.4, 14 26 07.2 -2.7, 14 24 58.8 +0.3, 14 24 54.2 -6.9, 14 25 03.3 -0.5, 14 25 08.8 +0.6, 14 25 12.4 +1.1, 14 25 06.0 -5.9, 14 25 23.3 -1.1, 14 25 11.1 -0.8, 14 26 29.8 -4.1, 14 25 08.5 -3.4, 14 25 12.9 +0.9, 14 25 16.3 -0.1, 14 25 11.5 -6.0, 14 25 18.8 -6.8, 14 25 30.7 +1.4, 14 25 22.8 -4.8, 14 25 30.7 +1.4, 14 25 23.9 -6.4, 14 25 30.8 +0.5, 14 25 30.5 +0.2, 14 29 54.1, comp=E,0.3nm,0.3s,baz=294,slow=5.9,SNR=15, MLR

Table with columns: NVAR, Mina Array Bea, 95.11 329 LR, LR, 15 21 34.1, VAO 08 14:24:56.5 0.7, 14:08'S; 72:84'W, h50km, 5km, mb4.7, NEIC 08 14:24:57.9 1.1, 14:02'S; 05:72:82'W; 0.10, h70km, 5km, mb4.5/22, Error ellipse: s-maj=14.2km s-min=7.0km, IDC 06:76.0, ICD 06:14:25:00.7 0.0, 13:93'S; 72:70'W, h91km, 5km, mb3.9/15, mbmp4.319, MS3,6/28, Error ellipse: s-maj=20.0km s-min=11.1km az=56.0, GCMT 08 14:25:03.9 0.3, 14:11'S; 02:72:81'W; 0.02, h111km, 3km, MW5,0/91, Moment Tensor Solution. s30,c30; s91,c122; Duration: 0 Moment tensor Scale 1016Nm; Mr-1.78; 12; Mw-1.97; 12; Mw-3.74; 13; Mw-1.47; 07; Mw-0.83; 14; Mw-0.35; 10; Best double couple: K6.650000, 1016 NP1,az=208.00000°,δ63.00000°,λ-34.00000°. NP2: φ=315.00000°,δ60.00000°,λ-148.00000°. Principal axes: T 3.8620, P1g2.0000, Azm202.0000; N -0.4240, P1g48.0000, Azm354.0000; P -3.4480, P1g42.0000; Azm171.0000; Refer to body waves, cutoff=40s. hsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function, ISC 08 14:25:19.0 1.4, 14:07'S; 05:72:84'W; 0.06, h86km, n156, c183/141,mb4.4/24,5C-10, Central Peru

Table with columns: PLCA, comp=2.0,6nm,0.5s,baz=338,slow=5.4,SNR=3.6, 14 39 40.8, PLCA 2.66nm,21.9s,baz=6.4,slow=33, 14 39 31.0, PLCA Pedro Branca-C 26.54 176 eP P 14 30 31.0 +1.3, PLCA Paso Flores 27.74 179 P P 14 30 30.6 +1.3, LL04 Puerto Octay 26.72 333 LR P 14 40 203.6, JTS Las Juntas de 27.02 333 LR P 14 40 203.6, JNB Jantura 27.62 36 eP P 14 40 404.1 +6.1, MDP Montagnes des 27.65 48 LR LR P 14 41 48.2, JMB San Ignacio de 28.21 179 P P 14 40 43.4 -0.3, LL01 28.21 179 P Iamb P 14 40 45.7, LL02 Futaleufu 29.03 179 P P 14 30 51.3 +0.3, LL02 29.03 179 P Iamb P 14 30 53.2, comp=Z,8.6nm,0.8s, 14 31 33.3 +0.4, NBPD Rapa Nui 36.41 243 LR LR 14 42 43.8, RPN Rapa Nui 36.41 243 LR LR 14 42 43.8, comp=Z,1.41nm,21.9s,baz=74,slow=29, 14 34 04.1 +1.0, TXAR Lajitas Arr 52.42 326 P P 14 34 04.1 +1.0, TXAR Lajitas Arr 52.42 326 P P 14 34 04.1 +1.0, comp=Z,2.4nm,0.6s,baz=149,slow=8.7,SNR=10, 14 35 20.3 +0.7, TX31 Lajitas Arr Si 52.42 326 P Iamb P 14 34 03.2 +0.1, TX31 52.42 326 P Iamb P 14 34 28.1, comp=Z,9.8nm,1.4s, 14 34 14.2 +0.8, APMT Aspermont 53.84 332 P P 14 34 14.2 +0.8, APMT 53.84 332 P Iamb Iamb 14 34 38.0, comp=Z,6.9nm,0.8s, 14 34 39.2 -0.1, VHRN Sanctorum 54.26 336 pP pP 14 34 39.2 -0.1, SMWD Samnorwood 55.38 323 P P 14 34 29.4 -0.4, X16A Lo Mia Camp, P 60.59 324 P 14 35 00.0 -1.1, X16A 60.59 324 P Iamb Iamb 14 35 27.0, comp=Z,6.3nm,1.2s, 14 35 22.9 -0.3, P17A Escher Ranch 63.91 328 P P 14 35 22.9 -0.3, PDAR Piedra Alta 65.83 331 P P 14 35 06.3 -0.1, comp=Z,0.5nm,0.7s,baz=115,slow=6.7,SNR=5.9, 14 35 59.0 +0.2, PDAR 65.83 331 P pP pP 14 35 59.0 +0.2, comp=Z,0.5nm,0.6s,baz=134,slow=8.5,SNR=3.0, 14 35 40.5 +0.8, BELA Belgrano 2 66.59 172 P P 14 35 40.5 +0.8, ULM Lac du Bonnet 67.17 344 P P 14 35 42.8 -0.9, comp=Z,1.1nm,0.4s, 14 35 46.4 +1.0, NVAR Mina Array Bea 67.36 323 P P 14 35 46.4 +1.0, NVAR 67.36 323 P pP pP 14 36 101.1 +1.5, comp=Z,1.4nm,0.6s,baz=169,slow=7.7,SNR=5.6, 14 35 52.4 +1.9, VNA3 Neumayer Olym 68.27 162 P P 14 35 52.4 +1.9, VNA3 68.27 162 P Iamb P 14 35 52.4 +1.9, VNA1 Neumayer-Stat 68.46 161 P P 14 35 52.6 +0.7, VNA2 Neumayer-Watz 68.68 161 P P 14 35 52.6 +0.7, SNA4 Sanae 70.48 162 P P 14 36 05.2 +1.1, SNA4 Sanae 70.48 162 P P 14 36 05.3 +1.2, SNA3 Sanae 70.48 162 P P 14 36 05.8 +1.6, comp=Z,8.3nm,0.5s,baz=275,slow=8.0,SNR=4.1, 14 36 30.2, SNA4 70.48 162 P LR 14 36 30.2, comp=Z,103nm,18.6s,baz=299,slow=35, 14 36 17.7, DBIC Dimbrok 70.52 78 LR LR 14 36 17.7, comp=Z,7.2nm,18.0s,baz=214,slow=35, 14 36 16.3 +1.7, TROLL Troll, Antari 72.20 162 P P 14 36 16.3 +1.7, TROLL 72.20 162 P LR 14 36 16.3 +1.7, TBI Tubuai 72.45 250 eLR LR 14 58 44.7, comp=Z,5.9nm,30.8s, 14 59 21.2, PPT2 Papeete2 73.45 256 eLR LR 14 59 21.2, comp=Z,6.6nm,29.2s, 14 36 39.5 +2.3, QSPA South Pole Qui 76.08 180 P P 14 36 39.5 +2.3, comp=Z,7.1nm,0.5s,baz=168,slow=0.8,SNR=126, 14 36 51.1 -1.0, TORD Torodi Arr Bea 78.61 73 P P 14 36 51.1 -1.0, TORD 78.61 73 P Iamb Iamb 14 37 25.8, comp=Z,7.7nm,1.2s, 14 36 52.0 -0.2, TORD Torodi Arr Bea 78.61 73 P P 14 36 52.0 -0.2, TORD 78.61 73 P Iamb Iamb 14 37 15.8 -0.2, comp=Z,2.4nm,0.7s,baz=260,slow=4.8,SNR=11, 14 59 53.2, TORD 78.61 73 P LR 14 59 53.2, comp=Z,1.7nm,0.7s,baz=277,slow=5.6,SNR=4.0, 14 59 17.2, MDT Middle 80.05 53 LR LR 14 59 17.2, SBA Scott Base 82.41 191 P P 14 37 13.8 +2.4, SBA 82.41 191 P Iamb Iamb 14 37 15.6, comp=Z,8.9nm,1.1s, 14 13 12.8, SFD Kangerlussuaq 82.48 9 LR LR 14 13 12.8, YKAB New Yellowknife 82.93 342 P P 14 37 13.2 -0.9, YKAB Yellowknife Arr 82.93 342 P P 14 37 13.8 -0.8, YKA Yellowknife Arr 82.93 342 P P 14 37 14.8 +0.2, comp=Z,0.6nm,0.7s,baz=133,slow=5.3,SNR=18, 14 37 30.0 +0.7, YKA 82.93 342 P pP pP 14 37 30.0 +0.7, comp=Z,0.8nm,0.8s,baz=133,slow=5.0,SNR=3.9, 14 37 18.0 +1.3, ESDC Sonseca Arr 83.32 46 P P 14 37 18.0 +1.3, comp=Z,0.6nm,0.7s, 14 37 41.0 +0.1, ESDC 83.32 46 P pP pP 14 37 41.0 +0.1, comp=Z,3.7nm,1.2s,baz=265,slow=7.2,SNR=5.3, 14 37 41.0 +0.1, ESDC 83.32 46 P LR 14 37 41.0 +0.1, comp=Z,4.3nm,21.7s,baz=218,slow=31, 14 37 19.0 +2.2, VNDA Vanda 83.47 190 P P 14 37 19.0 +2.2, comp=Z,2.3nm,0.8s, 14 11 15.8, SUR Sutherland 85.61 122 LR LR 14 11 15.8, BORG Borgnes 87.66 LR LR 14 15 33.3, RAUL Raoul Island 89.32 238 LR LR 14 23 30.5, RES Resolute Bay 89.65 354 LR LR 14 23 30.5, BOSA Boshof 90.29 119 P P 14 37 51.5 +0.4, comp=Z,2.1nm,0.8s,baz=267,slow=3.1,SNR=3.8, 14 14 23.2, BOSA 90.29 119 P LR 14 14 23.2, comp=Z,50nm,21.6s,baz=216,slow=33, 14 15 53.4, LBTB Lobates 91.58 116 LR LR 14 15 53.4, comp=Z,4.2nm,20.4s,baz=218,slow=33, 14 21 19.7, KEST Kesra 91.90 54 LR LR 14 21 19.7, comp=Z,3.4nm,18.1s,baz=260,slow=37, 14 38 01.5 +1.3, MAW Maxwell 92.47 164 P P 14 38 01.5 +1.3, comp=Z,7.1nm,0.9s,baz=214,slow=5.8,SNR=3.1, 14 17 11.3, JMJC Jan Mayen 95.19 17 LR LR 14 17 11.3, comp=Z,6.9nm,21.6s,baz=260,slow=33, 14 13 06.3, RAO Raoul Island 95.92 238 LR LR 14 13 06.3, comp=Z,4.1nm,19.9s,baz=84,slow=30, 14 38 16.1 -0.1, ILAR Eielson Array 95.97 336 P P 14 38 16.1 -0.1, comp=Z,0.2nm,0.7s,baz=142,slow=2.3,SNR=5.1, 14 26 55.5, ILAR 95.97 336 P LR 14 26 55.5, comp=Z,3.3nm,18.1s,baz=272,slow=39, 14 21 12.4, LSZ Lusaka 96.66 108 LR LR 14 21 12.4, comp=Z,2.0nm,0.7s, 14 21 13.9, NOA NORSAR Array B 99.33 29 LR LR 14 21 13.9, comp=Z,1.4nm,18.5s,baz=265,slow=34, 14 43 48.6 +1.0, STKA Stephens Creek 123.64 215 PKP PKP 14 43 48.6 +1.0, comp=Z,3.2nm,0.5s,baz=122,slow=4.4,SNR=19, 14 44 03.2 +0.6, BVAR Borovoye Arr 131.46 29 LR LR 14 44 03.2 +0.6, comp=Z,2.0nm,0.5s,baz=297,slow=1.0,SNR=2.7, 14 43 08.6 +0.7, ASAR Alice Springs 134.28 215 PKP PKP 14 43 08.6 +0.7, comp=Z,2.7nm,0.5s,baz=126,slow=2.0,SNR=52, 14 44 12.7 0.0, ZALV Zalesovo Beam 136.50 19 FKP PKP 14 44 12.7 0.0, comp=Z,3.9nm,0.6s,baz=302,slow=12.9,SNR=60, 14 44 13.6 +0.2, KURBB Kurchatov Arr 136.78 26 PKP PKP 14 44 13.6 +0.2, comp=Z,0.6nm,0.2s,baz=306,slow=2.6,SNR=6.3, 14 44 14.2 +1.2, WRA Warramunga Arr 136.90 219 PKP PKP 14 44 14.2 +1.2, comp=Z,4.9nm,0.6s,baz=142,slow=11.9,SNR=60, 14 44 15.2, MKR Makanchi Arr 141.30 28 PKP PKP 14 44 15.2, comp=Z,0.4nm,0.6s,baz=331,slow=4.7,SNR=5.8, 14 44 24.4 +0.4, MJAR Matsushiro Arr 144.36 315 PKP PKP 14 44 24.4 +0.4, comp=Z,1.7nm,0.5s,baz=71,slow=2.2,SNR=12, 14 44 31.2 +0.1, SONM Songo Arr 146.33 1 FKP PKP 14 44 31.2 +0.1, comp=Z,2.4nm,0.6s,baz=332,slow=1.5,SNR=24, 14 44 42.0 +0.5, KSR5 Korea Array 150.27 325 PKPb PKP 14 44 42.0 +0.5, comp=Z,1.8nm,0.7s,baz=26,slow=2.4,SNR=7.3

IDC 08 14:37:27.6 0.7, 39°10'N; 20°00'E, h0km, mb4.1/14, mbmp4.022, M-L1, 1/8, MS3,0/8, Error ellipse: s-maj=1.4 km s-min=12.8 km az=78.0

TIR 08 14:37:32.3, 39.14N, 20.02E, h46km, 1km, M4.3
PDG 08 14:37:32.9, 0.6, 39.16N, 19.94E, h28km, 1km, ML4.1/10,
Error ellipse: s-maj=0.7km s-min=0.8km az=0.0
THE 08 14:37:33.4, 39.09N, 19.92E, h20km, ML3.9/17, Error
ellipse: s-maj=1.0km s-min=0.4km az=80.0
ROM 08 14:37:33.2, 0.1, 39.11N, 0.02, 19.96E, h38km, ML4.0/132,
Error ellipse: s-maj=2.1km s-min=0.0km az=180.0
NEIC 08 14:37:33.9, 1.4, 39.22N, 0.05, 19.96E, 0.06, h37km, 6km,
mb4.3/36, Error ellipse: s-maj=7.7km s-min=6.3km
az=47.0
ATH 08 14:37:33.2, 39.07N, 19.88E, h20km, 2km, ML3.9/23, Error
ellipse: s-maj=2.4km s-min=1.1km az=87.0
BEO 08 14:37:34.6, 0.5, 39.46N, 19.90E, h4km, 3km, ML3.9/5
NAO 08 14:37:47.5, 40.60N, 20.23E, h33km, mb3.3
ISC 08 14:37:32.2, 0.9, 39.14N, 0.02, 19.92E, 0.02, h31km, 7km,
m342, 0.1558/423, mb4.2/31, MS2.9/4, 17C-2D,

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include stations like LITHAKIA, RIOS OF PATR, ANO CHORA, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include stations like CELI, LOU, LOUTRAKI, etc.

Greece-Albania border region

Main table for Greece-Albania border region with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include stations like IGT, KEK, KASA, etc.

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like VLI Veliai, MRVN Minervino Murg, and BOVS Bosilegrad.

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like SURR Surduc, MORH Mrgy, Hungary, and BOVS Bojanci.

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like ABKAR comp=Z,2.3m,0.9s, TOAO Torodi Ar. Sit, and ARCES ARCES Array B.

RSNC 08 14:48:15.9u.0.2, 12°N, 2°E, h0km, mb4.8, mb5.2, ML3.9, Mw(mb)4.5, IDC 08 14:48:17.4e.1.1, 12.08N, 77.49W, h0km, mb3.8/6, mbmp4.1/9, ML4.1/3, MS3.4/2, Error ellipse: s-maj=33.9km s-min=23.0km az=37.0, NEIC 08 14:48:20.0e.2.0, 12.19N, 0.077:39W, h14km, 5km, mb4.5/68, Error ellipse: s-maj=11.3km s-min=10.2km

Table with columns: Code, Station Name, Frequency, Power, Mode, and Time. Includes stations like S/JCC San Jacinto, TOTTI Torti, and ZANG Zanguanga, Cho.

8ca0

Table with columns: Code, Station Name, Az, El, Time, Res, ISC, H, M, S, ISC. Includes stations like EI Cachaco, Mount Denham, Volcan, etc.

2018 APR

Table with columns: Code, Station Name, Az, El, Time, Res, ISC, H, M, S, ISC. Includes stations like YKA Whitelkne Ar, L29M, K29M, etc.

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Table with columns: Code, Station Name, Az, El, Time, Res, ISC, H, M, S, ISC. Includes stations like H1N2 WAKE ISLAND, H1N3 WAKE ISLAND, etc.

Table with columns: Station, Time, Res, ISC, h, m, s. Rows include WRA Warramunga Arr, ASAR Alice Springs, SONM Songino Array, STKA Stephens Creek, MKAR Makanchi Array, ZALV Zalesovo Beam, KURBB Kurchatov Arr, BVAR Borovoye Array.

VAO 08 15:45:35.71.1, 24:20'S; 67:76W, h106km, 9km, mb3.9
SJA 08 15:45:38.0.0.6, 24:33'S; 68:07W, h158km, 5km, ML3.6, MW3.6

GUC 08 15:45:40.3.0.7, 24:32'S; 68:11W, h139km, 6km, ML3.9
IDC 08 15:45:40.5.2.1, 24:21'S; 67:78W, h128km, 2km, mb3.8/4, mbmp4.1/6, Error ellipse: s-maj=27.4km s-min=22.3km az=140.0

ISC 08 15:45:39.2.0.7, 24:32'S; 0:03; 68:05W; 0:06, h140km, 8km, n59, r131/79, mb4.0/3, 3C-8D, Chile-Argentina border region

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC, h, m, s. Includes stations like AF01 San Pedro de A, G002 Milna Guanaco, G002 Mina Guanaco, PB15 IPOC Station P, etc.

Table with columns: Station, Time, Res, ISC, h, m, s. Rows include SIV San Ignacio, PTLB Pontes e Lacer, CRSM Crissiumal (Br), PDRB Porto dos Gacs, ARAC Araguaians, IPMB Iperari, GO, BDFB Brasilia, MACA Manacapuru-AM, JANB Januaria, SDBA SAO DESIDERIO, QGSA South Pole Qui, TORO Torodi Ar. Bea, ULM Lac du Bonnet, ZALV Zalesovo Beam, MKAR Makanchi Array.

IDC 08 15:50:56.7.8.1, 19:84'S; 174:71W, h0km, mb3.9/4, mbmp3.9/4, Error ellipse: s-maj=208.2km s-min=45.5km az=30.0, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC, h, m, s. Rows include STKA Stephens Creek, ASAR Alice Springs, WRA Warramunga Arr, GQSA South Pole Qui.

IDC 08 16:03:44.9.18.0, 3:31'S; 146:42E, h0km, mb3.3/2, mbmp3.2/3, ML3.2/1, Error ellipse: s-maj=305.1km s-min=112.7km az=178.0, Bismarck Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC, h, m, s. Rows include WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek.

NEIC 08 16:04:16.5.2.8, 6:53'S; 0:06; 103:89E; 0:06, h30km, 4km, mb3.8/6, Mw4.8/1.2, Error ellipse: s-maj=10.3km s-min=7.8km az=49.0

NEIC 08 16:04:17.2.6:52'S; 103:89E, h46km MOS 08 16:04:17.1.1.6:06'S; 104:23E, h37km, mb5.3/47, Error ellipse: s-maj=8.6km s-min=5.0km az=110.5

NEIC 08 16:04:17.2.6:25'S; 103:99E, h46km, Moment Tensor Solution. Duration: 1.2. Moment tensor: Scale 10^19Nm; Mr: 1.31; Mw: 1.35; Ms: 0.03; Mo: 0.73; M: 0.70; M: 0.69; Fault plane solution: M1: 8000x10^16 NP1: s=126.050000; b=27.700000; A: 104.580000; P2: s=276.440000; b=30.620000; A: 63.930000. Principal axes: T: 1.6754, P: 69.0000, Azm: 65.0000; N: 0.2414, P: 13.0000, Azm: 299.0000; P: -1.9168, P: 17.0000, Azm: 205.0000;

DJA 08 16:04:18.4.0.2, 6:52'S; 10:4E, h59km, 2km, M5, 0.6/6, mb5.2/66, mb5.4/37, MLV5.3/21, Mw4.9/88, Mw(MB)4.9/37, Mw(Mw)4.8/1, Mw(Mw)5.1/1

BUI 08 16:04:19.0.0.0, 6:30'S; 104:10E, h60km, mb5.2/68, Mw: 1.32; Ms: 0.52; Ms: 0.52; Ms: 4.3/31

IDC 08 16:04:19.8.0.3, 6:17'S; 104:14E, h49km, 2km, mb4.6/34, mbmp4.9/35, MS4.1/13, Error ellipse: s-maj=11.9km s-min=7.7km az=52.0

GCMT 08 16:04:20.5.0.4, 6:66'S; 0:03; 103:97E; 0:03, h48km, 2km, MW4.9/54, Moment Tensor Solution. s36,c41; s54,c73; Duration: 0. Moment tensor: Scale 10^19Nm; Mr: 1.90; Mr: 1.82; Ms: 1.0; Ms: 0.07; Ms: 1.3; Ms: 0.77; Ms: 1.0; Ms: 1.17; Ms: 0.8; Ms: 1.2; Ms: 1.2; Best double couple: M2: 60900x10^16 NP1: s=135.000000; b=63.000000; A: 111.000000; NP2: s=276.000000; b=34.000000; A: 56.000000. Principal axes: T: 2.4770, P: 66.0000, Azm: 63.0000; N: 0.2710, P: 13.0000, Azm: 305.0000; P: -2.7410, P: 13.0000, Azm: 210.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 08 16:04:20.0.0.3, 6:29'S; 0:04; 104:09E; 0:04, h56km, 2km, h57km; p-P, n484, r154/514, mb5.1/157, MS4.4/27, 54C-27D, Sunda Strait

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC, h, m, s. Includes stations like KASI Kota Agung, LWLI Liwa, SBJI Serang, MNAI Manna, TNG Tangerang, SKJI Sukabumi, CNBJ Cibejo, CNJI Cikonong, PMBI Palembang, LEM Lembang, BBJ Bungbulang, JCUJ Jatuhwangi, XMSJ Christmas Isla, CMXJ Cimerak, KRPJ Karang Pucung, PPSI Pulau Paga, DSRI Dabo, YOGI Yogyakarta, SMRI Semarang, PDSI Pedang, UGM Wanagama, SISI Saibi, BKNI Bangkinang, BKNI Bangkinang, PWJI Pagerwojo, MYKOM Kota Tinggi, GRJI Gresik, PBSI Pulau Batu.

Main station list table with columns: Station, Time, Res, ISC, h, m, s. Rows include COCO West Island, COCO West Island, COCO West Island, BLJI Banyuglugrug, STKI Sintang, KSM Kuching, KSM Kuching, GSI Gunungstoli, GSI Gunungstoli, ABJI Asem Bagus, JAGI Jajag, Banyu, JAGI Jajag, Banyu, JAGI Jajag, Banyu, IPM Inpang, DNP Denpasar, SNSI Sinabang, ACSI Aceh, KCSI Kaceae, Aceh, KULM Kulim, MSLI Meulaboh, Aceh, BKB Balikpapan, BKB Balikpapan, PLAI Plampang, KAPI Kappang, KAPI Kappang, KAPI Kappang, BKSI Bulukumba, TTSI Tana Toraja, MMRI Maumere, MMRI Maumere, MMRI Maumere, MMRI Maumere, TOLJ Tolitoli, TOLJ Tolitoli, TOLJ Tolitoli, BBSI Bontobane, GIRL Giralia, MRSI Marisa, LUWI Luwuk, LUWI Luwuk, LUWI Luwuk, BATI Baunata, BATI Baunata, BATI Baunata, GTOI Gorontalo, SOEI Soe, SOEI Soe, KMSI Cibinong, MBWA Maribau, MBWA Maribau, UBPT Ubung, UBPT Ubung, PSA00 Pilbara Seismi, PSA00 Pilbara Seismi, SANI Sanana, SANI Sanana, LBMI Labuha, FITZ Fitzroy Crossi, NONG Nongkai, TNTI Ternate, TNTI Ternate, MEEK Meekatharra, PHRA Phrae, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, DAV Davao City W, MORW Morawa, QIZ Qiongzong, QIZ Qiongzong, QIZ Qiongzong, KNRA Kunurra, KNRA Kunurra, KNRA Kunurra, TAGY Tagaytay City, CRAI Chiangrai, PALK Palkeke, PALK Palkeke, DRK Darwin Rock St, MTN Manton Dam, MTN Manton Dam, MTN Manton Dam, FAKI Fak Fak, FAKI Fak Fak, FAKI Fak Fak, KDU Kakadu, KDU Kakadu, NWA0 Narragin (SRO), MND Mandalay, WRKA Warakura, WRKA Warakura, HO1W3 Cape Leeuwin H, HO1W2 Cape Leeuwin H, HO1W1 Cape Leeuwin H, KMBL Kambalda.









Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include BVAR Borovoye Array, BRVK Borovoye, ZALV Zalesovo Beam, etc.

IDC 08 16:14:12.3:0.9,5:86S:143.01E,h0km,mb3.97, mbmp4.0/9,ML1.5/1, Error ellipse: s-maj=37.7km s-min=21.4km az=62.0

ISC 08 16:14:18.0:0.8,6:24S:0.08x142.71E:0.07,h35km,n18, z=270/21,mb3.9/7,New Guinea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include TABU Tabulit, PMG Port Moresby, FAKI Fak Fak, etc.

SNET 08 16:31:31.8:0.9,11.88N:88.08W,h37km,999km,ML3.3 CATAC 08 16:31:31.2:0.6,11.91N:88.04W,h15km,4km,ML3.6

ISC 08 16:31:34.4:1.3,12.01N:0.05:87.97W:0.04,h32km,11km, n51,1:192878,mb3.6/3,Near coast of Nicaragua

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include CRIN San Cristobal, PKGN Cerro Pekin, HERN Volcan Telica, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include LCND Cerro Negro, POLN AI Sur del Vol, POLN Rota Cerro Neg, etc.

IDC 08 16:32:29.7:0.4,35.19N:132.52E,h0km,mb4.8/46, mbmp4.8/53,ML4.3/7,MSS:3/71, Error ellipse: s-maj=9.6km s-min=8.8km az=146.0

JMA 08 16:32:29.9:0.4,35.21N:132.68E,h11km,mb5.0/88, mb5.6/81,M56.0/94,M57.5/9/89

NIED 08 16:32:30.8:0.5,35.19N:132.59E,h12km,MW5.6, Moment Tensor Solution. s3 Moment tensor: Scale 1017Nm; Mn:0.1; M2:2.80; M3:0.44; M4:1.67; M5:0.07;

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include NIED Cerro Negro, JMA Fcrl v4/v11 at SHIMANE HIRONISHIMA BORDER, etc.

Azm57.0000; P -3.5411, Plg5.0000; Azm285.0000; NEIC 08 16:32:31.4:35.26N:132.54E,h9km

ISC 08 16:32:32.5:0.3,35.19N:0.02:132.70E:0.02,h17km,11km, h17km:pp-P,N2022,1937/1459,mb5.5/404,MS5.4/499, 62C-80D,Western Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include JGT2 ShimaneMisato, JGT2 ShimaneMisato, JMSK Izumosaikura, etc.

Table with columns: ID, Name, Time, Date, Location, and other details. Includes entries like JTSM Tsushima Mitsus, JHHC Hyugahichiya, JEG Egen, etc.

Table with columns: ID, Name, Time, Date, Location, and other details. Includes entries like JUON Uonuma, JKT Katsushina, JMT Oshima, etc.

Table with columns: ID, Name, Time, Date, Location, and other details. Includes entries like JOW comp=N,2.7m,0.3s, JKW Kitadaioujima, JSH Shimam, etc.

Table with columns for station name, coordinates, and status. Includes stations like BJT, YSS, KLR, TAT, YHNB, HNS, HNL, SSB, KUR, YULB, XLT, UGL, HEH, GRNR, TPUB, QZH, TWGBT, WHN, TIY, LYN.

Table with columns for station name, coordinates, and status. Includes stations like LYN, HIA, HHC, CNSH, BTO, NKI, NKL, ZEA, XAN, ENH, GZH, GULI, CIT, ULN, ULAN, SONM.

Table with columns for station name, coordinates, and status. Includes stations like SONM, LZH, GYA, GUMO, CD2, PEAOB, PETK, PET, QIZ, BOD, ZAK, GTA, IRK, YAK, QZH, YAK, MA2, KMI.

8d 16h

2018 APR

Table with columns for station call letters, frequency, and various signal quality metrics (P, S, M, etc.). Includes stations like PanZhiHua, Davao City (W), Son La, Seymchan, GeErlu, etc.

Table with columns for station call letters, frequency, and various signal quality metrics. Includes stations like MKAR, BKB, KSM, MANU, BNDI, TTSI, STKI, etc.

Table with columns for station call letters, frequency, and various signal quality metrics. Includes stations like OTUK, TNA, BATI, PLA1, M11K, etc.

Table with columns for station ID, name, elevation, and various performance metrics. Includes stations like E18K, O17K, H15K, etc., up to A22K.

8d 16h

2018 APR

Table with columns: Station ID, Name, Frequency, Power, Mode, Date, Time, and other parameters. Includes stations like C26K Camden Bay, WRAB Tennant Creek, WB2 Warramunga Arr, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, Date, Time, and other parameters. Includes stations like M27K Edge Creek, WAX Wavell Ridge, I28M Miner Creek, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, Date, Time, and other parameters. Includes stations like M31M Drury Creek, ADZR Andozero, SPA0 Spitsbergen Ar, etc.





8d 16h

2018 APR

Table with columns for station name, location, frequency, and signal strength. Includes stations like ANTO, PANC, BURAR, etc.

Table with columns for station name, location, frequency, and signal strength. Includes stations like DPC, SRE, SFJD, BMO, etc.

Table with columns for station name, location, frequency, and signal strength. Includes stations like PLN, NKNC, MFID, etc.

529 2018 APR 8d 16h

Table with columns: Station, Frequency, Mode, Power, etc. Includes stations like TNS, LESA, MLAC, BRY, etc.

Table with columns: Station, Frequency, Mode, Power, etc. Includes stations like DAVOX, MPMC, SPR3, WCT, etc.

Table with columns: Station, Frequency, Mode, Power, etc. Includes stations like GLA, WUAZ, VAE, SUSD, etc.

8d 16h

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like Nuku Hiva Isla, Suttans Bay, Jewell Farm, etc.

2018 APR

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like TX31, TXAR, TXAR, etc.

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Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like L61B, L61B, HDBT, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other parameters. Includes stations like MTO3, GBTB, MTDJ, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like JIKH, JIKJ, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like JIKH, JIKJ, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other parameters. Includes stations like RLS, RLS, RLS, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like JIKH, JIKJ, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other parameters. Includes stations like KVAR, KVAR, KVAR, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like JIKH, JIKJ, etc.

Table with columns: Station Name, Az, Az', Phase ID, Time, Res, and various station codes (SONM, TIKI, FAKI, etc.). Includes a summary row at the bottom: DJA 08 16:47:22.6±1.7, 5°S, 7°10'E, h20km, 18km, M3,9/9, mb4.2/4, ML3.8/9, Southern Sumatra

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station codes (MNAI, LWLI, PPSI, etc.). Includes summary rows: IDC 08 16:47:59.9±1.8, 5.65S, 128.57E, h0km, mb3.7/2, mbtm3.3/4, ML3.1/2, Error ellipse: s-maj=121.6km; IDC 08 16:48:01.3±1.9, 3.35°N, 132.49E, h0km, mb3.3/1, mblm3.1/4, ML2.4/2, Error ellipse: s-maj=35.3km; IDC 08 16:56:44.0±0.3, 35.01°N, 132.41E, h13km, mb4.8/31, Error ellipse: s-maj=9.1km, s-min=5.5km, az=111.0; IDC 08 16:56:47.4±0.7, 35.15°N, 132.58E, h0.03, h11km, 4km, n497, s188/399, mb4.6/106, MS4.3/3, 10C-18D, Western Honshu

Table with columns: Station Name, Az, Az', Phase ID, Time, Res, and various station codes (JKS, KUBOKAWA, UJWA, etc.). Includes summary rows: IDC 08 16:56:44.0±0.3, 35.01°N, 132.41E, h13km, mb4.8/31, Error ellipse: s-maj=9.1km, s-min=5.5km, az=111.0; IDC 08 16:56:47.4±0.7, 35.15°N, 132.58E, h0.03, h11km, 4km, n497, s188/399, mb4.6/106, MS4.3/3, 10C-18D, Western Honshu



8d 17h

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Eagle, KIROV, Cirque, Beaver Creek, etc.

2018 APR

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Khabaz, Khabaz, Khabaz, etc.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Belle Mtn. Jos, Mesa Verde, etc.

1DC 08 16:58:32.4+0.9, 13.58N, 144.87E, h93km, 5km, mb2.9/5, mbtmp3.5/5, Error ellipse: s-maj=50.9km s-min=21.8km az=93.0

1SC 08 16:58:32.4+1.3, 13.58N, 144.87E, h100km, n6, 0.957/7, mb3.2/5, Mariana Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Guam, Warramunga Arr, etc.

1DC 08 17:03:48.7-0.7, 35.14N, 132.47E, h0km, mb3.6/11, mbtmp3.6/15, ML3.4/4, Error ellipse: s-maj=19.3km s-min=15.6km az=82.0

1JMA 08 17:03:50.4+0.0, 35.22N, 0.1x132.6E:0.1, h10km, MD4.2/20, MW4.3/20, SHIANE/HIROSHIMA BORDER

1JMA 08 17:03:50.4+0.0, 35.17N, 0.0x132.54E:0.04, h11km, 6km, n50, 0.975/34, mb3.7/11, 4D, Western Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Shimane Misato, Shimane Misato, etc.







Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like N31M Braeburn, Yuko, A36M Sachs Harbour, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like BW06 Boulder Array, PDAR Pinedale Array, LRMC Laurel Mtn Rad, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like AC01 comp=Z,203nm,0.5s, AC02 Maricunga, PB16 IPOC Station P, etc.

8d 17h

Table with columns for station name, time, and other parameters. Includes stations like JJG, JJK, JHK, etc.

NDI 08 17:40:02.8, 3.21:96N:96:25E, h10km, mb4.9, MW4.2, mb4.5(NEIC)

BUI 08 17:40:02.8, 0.22:10N:95:93E, h5km, mb4.4/37, mb4.8/14, ML4.8/2, MS4.2/2, Ms7.4/2

IDC 08 17:40:07.3, 0.6, 22:61N:95:93E, h0km, mb4.1/22, mbmp4.1/23, ML4.4/1, MS3.7/2, Error ellipse: s-maj=27.1km s-min=10.3km az=58.0

NEIC 08 17:40:09.3, 1.5, 22:60N:0:04:96:08E, h10km, mb1km, mb4.5/2, Error ellipse: s-maj=10.4km s-min=5.2km

ISC 08 17:40:08.6, 0.3, 22:53N:0:03:95:97E, h10km, n104, c165/114, mb4.4/49, 1C-2D, Myanmar

Table with columns for Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MND, IMP, TNG, etc.

2018 APR

Main table with columns for station name, time, and other parameters. Includes stations like PALK, GSI, GSI, etc.

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Table with columns for station name, time, and other parameters. Includes stations like NOA, GERES, STKA, etc.

SOME 08 17:53:25.1, 39:48N:73:70E, h15km, IDC 08 17:53:27.0, 0.9, 39:28N:74:04E, h0km, mb3.7/12, mbmp3.8/18, ML3.0/8, Error ellipse: s-maj=17.3km s-min=12.4km az=116.0

MOS 08 17:53:28.3, 0.9, 39:24N:73:88E, h13km, mb3.9/4, Error ellipse: s-maj=11.9km s-min=4.9km az=96.9

NMC 08 17:53:29.3, 4.5, 39:17N:73:71E, h0km, mb4.3, mpv3.9, Error ellipse: s-maj=37.5km s-min=22.7km az=168.0

KRNET 08 17:53:31.4, 0.1, 39:62N:73:98E, h14km, mb3.9, ISC 08 17:53:30.3, 3.1, 39:51N:0:04:73:98E, h0km, n106, c2843/163, mb3.8/14, 30C-29D, Tajikistan-Xinjiang

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

Table with columns: BOOM, Boomskoye usch, 3.33, 26, 1eP, Pn, 17 54 25.7 +2.5, ARU, Arti, 19.75 334z, P, Pn, 17 58 04.3 +2.0, comp=Z, 5.0nm, 0.9s, 19.93 82, P, P, 17 58 03.8 -0.9, etc.

Table with columns: ARU, Arti, 19.75 334z, P, Pn, 17 58 04.3 +2.0, GYA, Gaotai, 19.93 82, P, Pn, 17 58 03.8 -0.9, WSAR, Wadi Sarin, 20.80 23, P, P, 17 58 10.1 -2.5, BELG, Belogomoye, 22.25 314j, eP, P, 17 58 27.4 -0.5, etc.

Table with columns: I23K, Minto, Yukon-K, 86.90 12, P, P, 18 09 47.2 +0.2, ILAR, Eielson Array, 87.06 13, P, P, 18 09 47.3 -0.1, ILAR, Eielson Array, 87.06 13, P, P, 18 09 46.6 -1.5, F19K, Shalercukik Mo, 87.12 8, P, Iamb, P, 18 09 47.5 -0.4, etc.

BEO 08 18:00:32.4-0.3, 44'49N:21.70E, h0km, ML1.4/7, 16C-7D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, h, m, s, ISC, Time, Res, KUBS, Kucevo, 0.08 192, eP, G, Pg, 18 00 33.2 -0.6, MDVR, Moldovita, 0.29 2, P, P, 18 00 32.2 -0.8, etc.

IDC 08 18:05:56.9: 1.9, 43.57'N: 105.34'W, h0km, mb3.7/4, mbmp3.5/8, ML3.2/4, Error ellipse: s-maj=56.6km s-min=7.9km az=151.0

NEIC 08 18:05:57.5: 1.6, 43.71'N: 0.05: 105.30'W: 0.03, h0km, 1km, ML3.4/5, Error ellipse: s-maj=9.4km s-min=3.4km

ISC 08 18:05:58.2: 0.8, 43.71'N: 0.05: 105.31'W: 0.06, h0km, n47, c131/46, mb3.8/4, Wyoming

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, h, m, s, ISC, Time, Res, RSSD, Black Hills, 1.01 65, Op, P, Pg, 18 06 17.3 -0.3, K22A, Casper, 1.38 220, I, P, Pg, 18 06 23.5 -1.1, K22A, Casper, 1.38 220, I, P, Pg, 18 06 23.5 -1.1, etc.

8d 18h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FLWV, MOOV, REDW, IMW, TPWA, YHH, FWXY, etc.

RSNC 08 18:10:16.3x0.0, 7'N2x7'3W, h144km, mb4.1, m85.7, ML2.4, Mw(m)B5.2, MwMwp5.3, Mwp5.5, Northern Colombia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BARC, PAMC, RUSC, etc.

IDC 08 18:53.7x2.9, 11.73Sx166.36E, h40km, mb3.9/14, mbmp3.2/16, ML4.0, MS3.7/13, Error ellipse: s-maj=15.9km s-min=1.5km az=77.0

NEIC 08 18:57.4x2.1, 11.84S, 0.03-166.3E, 0.1, h62km, mb4.5/21, Error ellipse: s-maj=18.9km s-min=2.4km az=77.0

NOU 08 18:19:23.0, 14.03S, 166.12E, h0km, mb4.4/6, Vanuatu Islands

ISC 08 18:18:53.0x0.6, 11.74S, 0.07x166.39E, 0.09, h35km, n61, s1533/56, mb4.4/22, MS3.9/11, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HNR, KOUNC, etc.

2018 APR

Table with columns: ARMA, Iamb, Iamb, Time, Res. Includes stations like H1S2, H1S3, H1S1, STKA, etc.

IDC 08 18:37.3x7.4, 3.65Sx-73.00W, h170km, mb3.0/2, mbmp3.5/3, Error ellipse: s-maj=66.0km s-min=33.4km az=77.0

RSNC 08 18:37.40x5.0, 7'N2x7'3W, h145km, mb3.9, mb4.7, ML3.0, Mw(m)B4.0

ISC 08 18:37:37.6x0.9, 6.85N, 0.03x-73.09W, 0.05, h156km, 6km, n37, r136/64, Northern Colombia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BARC, PAMC, RUSC, etc.

Table with columns: PTGC, S, S, Time, Res. Includes stations like Ciudad Bolivar, Dabeiba, Santa Ana, etc.

IDC 08 18:46:28.3x1.8, 35.32N, 132.48E, h0km, mb3.0/1, mbmp3.1/4, ML3.0/3, MS2.9/2, Error ellipse: s-maj=27.3km s-min=19.1km az=162.0

JMA 08 18:46:29.6x0.0, 35.22N, 0.1x132.8E, 0.1, h10km, MV3.7/20, SHIMANE HIROSHIMA BORDER

NIED 08 18:46:29.6, 35.19N, 132.57E, h10km, MV3.6, Moment Tensor Solution, s3 Moment tensor: Ms2.014N, Mw-0.53, Mw2.94, Mw-2.41, Mw-0.55, Mw-0.59, Mw-0.29; Fault plane solution: Ms2.81000x10^14 NP1: phi=52.00000, delta=89.00000, lambda=167.00000. NP2: phi=321.00000, delta=877.00000, lambda=1.00000

ISC 08 18:46:28.9x1.1, 35.22N, 0.06x132.55E, 0.04, h10km, 10km, n13, c074/22, Western Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JGT2, JJK, etc.

NNC 08 18:53:04.4x6.0, 38.87N, 74.15E, h0km, mb3.8, mpv3.7, Error ellipse: s-maj=47.7km s-min=33.5km az=178.0

SOME 08 18:53:09.1, 38.36N, 74.50E, h5km

ISC 08 18:53:04.2x2.9, 38.4N, 0.1x73.25E, 0.08, h10km, n14, s262/23, 3C-3D, Tajikistan-Xinjiang border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AAK, MRKS, IUG, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KRBS Karabastau, PHWY Pilot Hill, RSWD Black Hills, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ISFB Sefidab, IOM Qom, HAGO Aghdarsh, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like GAR comp=2.1, 1.0m, 0.9s, ABKAR Akbulak array, AKTO Aktyubinsk, etc.





Table with columns for station code, name, coordinates, and status. Includes stations like PZH, DAV, SEY, PHRA, WMQ, TIXI, ZAAO, ZALV, BILL, MK31, MKAR, MKUR, KURK, KURB, KSH, AAK, BATI, PMG, BVAR, BRVK, ANM, F15K, C16K, MTN, KK31, KKAR, M14K, F17K, N15K, G18K, H18K, D19K, B20K, H19K, B21K, O18K, P18K, IMAR, D22K, CAST, ARU, KTH, SUA, ABKAR, H23K, BRLK, MDM, AKTO, WB0, SML, WB2, WRA, WRO, ILAR.

Table with columns for station code, name, coordinates, and status. Includes stations like PALK, J25K, M26K, L27K, BCAR, M27K, GEYT, ASAR, I30M, INK, A36M, FARO, P33M, EIDS, EUNU, ARCES, MAK, WSAR, DLBC, LPSR, OBN, DZM, VSR, VOR, RES, KBZ, KIB, FINES, STKA, YKA, AKASG, AKKB, HFS, NOA, BRTR, BUR08, MLD, SFJD, MODS, FRB, GERES, GERS, NVAR, EKA, R11B, DAVOX, PDAR, ULM, ULM, SCHG, LPIG, AEIC, NEIC, MB4, IDC, ISC.

Table with columns for station code, name, coordinates, and status. Includes stations like OKSP, OKWE, OKKE, OKKC, OKKF, OKFG, KOPF, ATKA, ATKA, ATKA, KOKL, MOUNT, MGOD, MSW, MNAT, MTBL, UNV, LVA, AKUBA, AKUT, AKSA, GSMY, ADK, ADK, ADK, ADK, WECS, CMBT, P08K, ISLZ, SPIA, S12K, AMKA, CMBK, CHGN, O14K, O16K, N17K, OHAK, K15K, L16K, Q19K, M17K, KDAD, KDAD, N18K, SYI, K17K, M19K, HIN, HIN, FID, FID, SCM, SCM, KLU, KAIM, KAIM, VRDI, ILAR, TABL, PEAOB, PETK, PETK, HYT, HYT, DLBC, YKA, ASAJ, YBH, NEW, KLR, KLR, H11N2, H11N3, H11N1, EGMT, H11S1, H11S2, H11S3, NVAR, MJAR, PDAR, KSRS, JNU, SONM, SONM, TXAR, KURBB, MKAR, BVAR, FINES, NOA, HFS, AKTO, WB0, SML, WB2, WRA, WRO, ILAR.

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like GERES, WRA, ASAR, H03N2, H03N1, H03N3.

NEIC 08 20:20:24.0, 2.0, 36.29N, 0.01, 97.52W, 0.01, h5km, 1km, Error ellipse: s-maj=1.5km s-min=1.2km az=186.0

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists numerous stations like CROK, OK048, OK029, etc.

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists numerous stations like PPSI, PDSI, EKNI, etc.

Table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CRUV, TRN, TRN, etc.

NEIC 08 20:34:55.1, 2.8, 15.25S, 0.08, 72.2W, 0.1, h9km, 1km, Error ellipse: s-maj=19.0km s-min=7.9km

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists numerous stations like PB12, LPAZ, LPAZ, etc.



Table of astronomical observations for 8d 22h, listing stations like PLONS, VOGT, MBDF, ECH, ORIF, etc., with columns for station name, magnitude, position, and time.

Table of astronomical observations for 2018 APR, listing stations like WTTA, WLF, WLF, MORI, etc., with columns for station name, magnitude, position, and time.

Table of astronomical observations for 546, listing stations like ETLH, YHNB, YHNB, NSK, etc., with columns for station name, magnitude, position, and time.

JMA 08:21:53:14.9±0.3, 24°N±1.1, 123°33'E±0.5, h30km±3km, MV1.1/9, NEAR ISHIGAKIJIMA ISLAND, Southwestern Ryukyu Islands

IDC 08:21:55:09.2±0.7, 0.23S, 123°61'E, h0km, mb3.8/11, mbtmp3.8/11, MS2.8/3, Error ellipse: s-maj=70.0km

DJA 08:21:55:18.2±1.1, 0.3S, 121°46'E±1.1, h31km±18km, M4.3/13, mb4.4/6, mb5.2/1, MLv4.3/13, Mw(mb)4.6/1

ISC 08:21:55:14.9±0.7, 0.02N±0.09, 124°15'E±0.09, h35km, n24, s181°122, mb3.8/11, Minahassa Peninsula, Sulawesi

Table of seismic event data including station names (KMSI, LUWI, MRSI, etc.), magnitudes, and positions.

TAP 08:21:52:55.0, 24°45'N, 121°54'E, h9km±1km, ML1.4, A,

Table of seismic event data for TAP 08:21:52:55.0, listing station names (LATG, NNSB, etc.) and magnitudes.

NEIC 08:22:26:23.9±1.6, 36°29'N±0.1, 97°54'W±0.2, h5km±1km, Error ellipse: s-maj=3.0km s-min=2.2km az=257.0

TUL 08:22:26:24.5±1.7, 36°30'N±0.1, 97°53'W±0.2, h7km±5km, ML3.1, mb\_Lg3.2/131(NEIC), ML3.2/78(NEIC), Error ellipse: s-maj=1.9km s-min=1.7km az=212.0, Oklahoma

Table of seismic event data for NEIC and TUL, listing station names (CROK, OK048, etc.) and magnitudes.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like Arcadia Dam, Battle Ridge R, Quoy, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like Richland Creek, Belgrade, BRDY, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like Rata Peaks, Jackson Bay, CTAO, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Makanchi Array, Kurchatov Arra, Brasilia, Karamyk, Borovoye Array, Spitsbergen Ar, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MVOU, LARIC, LFK, AKIN, EREN, EREN, ATHAL, ATHAL, CSS, CSS, CSS, CSS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MSBI, LISJ, KZIT, KZIT, KZIT, PRNI, PRNI, KRMI, HRFI, HRFI, MBRI, MBRI.

ISN 08 22:51:49.7,0.9,34.50N:46.64E,h17km,5km,ML2.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IGHC, IDHR, KCHF, ILIN, KGSJ, IBZA, IBDR, IBDR, IBDR, IDOB, HSAM, BHD, BHD, RAFI, RAFI.

IDC 08 22:55:37.3,1.3,0.31N:126.28E,h0km,mb3.7/6, mbmp3.7/6, Error ellipse: s-maj=153.1km s-min=18.5km az=66.0

ISC 08 22:55:41.6,2.0,0.7N:0.8:12.7E',h35km,n6,r0644/6, mb3.7/6,Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA, ASAR, STKA, MKAR, ZALV, KURBB.

IDC 08 23:15:00.5,0.1,35.00S:110.85W,h0km,mb3.7/5, mbmp3.7/5,MS3.9/2, Error ellipse: s-maj=43.4km s-min=31.2km az=98.0

ISC 08 23:15:01.7,0.9,35.05S:110.9W,0.3,h10km,n43, r0660/6,mb3.6/5,MS4.0/28,Southern East Pacific Rise

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like H03S2, H03S1, H03S3, H03N2, H03N3, H03N1, USHA, NNA, LVC, ATHA, PMSA, LPAZ, LPAZ, CPUP, SIVP, JVS, ROSC, CMIG, QSPA, QSPA, Vnda, URZ, SDV, BDFB, PCRV, TDXP, NVAR, TKL, YBH, PDAR, SADO, BBB, PMG, H1S2, H1S1, H1S3, ASAR, KDAK, AKASG, CMAR.

AFAD 08 22:36:28.9,0.0,35.26N:33.78E,h51km,3km,ML2.0

ISK 08 22:36:29.2,35.16N:33.85E,h45km,1km,ML2.5/1.0

GIL 08 22:36:29.4,0.4,34.956N:0.003:34.013E,0.001,1h4km, n103,r107/132,Cyprus region

Mvsc3, confirmed

NIC 08 22:36:29.1,1.1,h53km,89h,h53km,1km,ML2.0/9

GRAL 08 22:36:30.5,0.4,34.88N:34.17E,h2km,5km,MD3.0

ISC 08 22:36:28.7,1.2,35.13N:0.02:33.96E,0.03,h55km,6km, n103,r107/132,Cyprus region

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



Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like AQDB Aquidauana, IPMB Iperai, BQDN Bodoquena, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like TA02 Huaiquique, G001 Chuzimia, PB11 IPOC Station P, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like CZSB Cruzeiro do Su, FOMA Nahampoana Res, FOMA Nahampoana Res, etc.





Table with columns: ID, Name, Coordinates, Magnitude, Type, and other details. Includes entries like CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

Table with columns: ID, Name, Coordinates, Magnitude, Type, and other details. Includes entries like KULLO Uzbuzbulak, UZB Uzbuzbulak, UZB Uzbuzbulak, etc.

Table with columns: ID, Name, Coordinates, Magnitude, Type, and other details. Includes entries like YUK8 Steele Glacier, L29M L29M, L29M L29M, etc.

Table listing various locations (F25K, G25K, BRSE, etc.) with columns for coordinates, time, and status.

Table listing various locations (O17K, S14K, SDPT, etc.) with columns for coordinates, time, and status.

Table listing various locations (BNX, BNX, BNX, etc.) with columns for coordinates, time, and status.

NOU 09 00:21:37.3, 28:255:177:86E, h58km, Mlv3.77, North Island, New Zealand

Table listing various locations (Code, Station Name, etc.) with columns for coordinates, time, and status.

9d 0h

Table with 5 columns: QRZ, Quartz Range, 4.25 235 P, Pn, 00 22 48.8 +0.4

IDC 09 00:25:18.0e 1.0, 52.62N:34.64W, h0km, mb4.0/19, mbmp4.0/22, ML3.4/3, MS3.4/9, Error ellipse: s-maj=31.2km s-min=13.1km az=2.0

NEIC 09 00:25:21.5e 1.1, 52.92N:0.1x34.7W:0.2, h10km, 1km, mb4.6/87, Error ellipse: s-maj=20.3km s-min=15.6km az=175.0

ISC 09 00:25:20.8e 0.6, 52.92N:1.1x34.63W:0.06, h10km, n117, 0581/116, mb4.5/61, MS3.3/7, Reykjanes Ridge

Main table for 9d 0h section, listing stations like BORG, DYDZ, SFJD, etc. with columns for Code, Station Name, Az, Phase ID, Time, Res, and ISC.

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Main table for 2018 APR section, listing stations like RDMU, HWUT, G23K, etc. with columns for Code, Station Name, Az, Phase ID, Time, Res, and ISC.

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Main table for 554 section, listing stations like KSRS, STKA, STKA, etc. with columns for Code, Station Name, Az, Phase ID, Time, Res, and ISC.

IDC 09 00:35:15.2e 3.0, 36.86N:71.42E, h75km, 26km, mb3.7/13, mbmp4.1/19, MS3.8/3, Error ellipse: s-maj=22.6km s-min=15.1km az=1.0

MOS 09 00:35:17.9e 1.0, 37.12N:71.31E, h108km, mb4.3/8, Error ellipse: s-maj=8.5km s-min=3.9km az=78.8

NEIC 09 00:35:19.5e 1.8, 37.14N:0.05e:71.31E:0.5, h103km, 4km, mb4.2/55, Error ellipse: s-maj=7.7km s-min=4.4km az=210.0

NNC 09 00:35:19.2e 3.3, 37.23N:71.25E, h126km, 71km, mb4.1, mpv4.9, Error ellipse: s-maj=32.6km s-min=16.5km az=160.0

ISC 09 00:35:18.3e 0.4, 37.06N:0.04e:71.33E:0.04, h100km, n191, 0157/203, mb4.2/49, 12C-3D, Afghanistan-Tajikistan border region

Table for 554 section, listing stations like GAR, CHGR, CHGR, etc. with columns for Code, Station Name, Az, Phase ID, Time, Res, and ISC.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like DZA Taraz, THN Thein Dam, KK31 Karatay Array, etc.

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

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like SCM Sheep Creek Mo, M24K Tolsona, M27K Beaver Creek, etc.

SOME 09:00:39:14.8, 42:87N-77:12E, h10km
NNC 09:00:39:15.1±0.5, 42:88N-77:07E, h0km, mb2.9, mpv2.9
Error ellipse: s-maj=3.2km s-min=2.1km az=140.0
KRNET 09:00:39:14.6±0.1, 42:88N-77:10E, h16km, mb2.9, 22C-8D,

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Lake Issyk-Kul region, TNS5 Tian-Shan, TNS5 Tian-Shan, etc.

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Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res. Includes stations like ULHL, BOOM, BOOM, CHKK, etc.

SDD 09:01:09:09.1e.1.0, 18.25N:72.16W, h12km, 408km, MD2.7, ML2.0, MW2.8 OSPL 09:01:09:11.1e.2.1, 18.24N:72.10W, h40km, 73km, ML1.7

IDC 09:01:12:37.2e.2.0, 7.03S:120.57E, h556km, 20km, mb3.1/7, mbmp4.0/9, Error ellipse: s-maj=126.7km s-min=16.6km az=59.0

Code Station Name Az, Az, Phase ID, Time, Res. Includes stations like PLA1, FORT, OOD, etc.

KRNET 09:01:53:16.8e.0.1, 41.09N:71.79E, h11km, mb2.0 ISU 09:01:53:17.9, 41.11N:71.83E, h100km

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

IDC 09:01:57:57.7e.2.3, 6.93S:129.62E, h0km, mb3.5/1, mbmp3.5/3, ML3.9/2, Error ellipse: s-maj=130.7km s-min=32.8km az=68.0, Banda Sea

IDC 09:01:58:17.8e.0.7, 31.95N:83.41E, h0km, mb3.7/14, mbmp3.7/16, ML3.1/2, MS3.4/18, Error ellipse: s-maj=24.3km s-min=16.6km az=51.0

Code Station Name Az, Az, Phase ID, Time, Res. Includes stations like WRA, WRA, ASAR, etc.

EIL Elat 41.18 280 LR LR 02:25 57.5 comp=Z, 64nm, 19.4s, baz=65, slow=40

IDC 09:02:13:24.9e.0.8, 28.99N:139.65E, h358km, 11km, mb3.2/13, mbmp3.9/15, Error ellipse: s-maj=22.1km s-min=15.2km az=56.0

Code Station Name Az, Az, Phase ID, Time, Res. Includes stations like CBIJ, CBIJ, etc.

IDC 09:02:15:25.7e.0.7, 29.07N:0.07x139.5E:0.1, h350km, n25, e=238/34, mb3.5/13, Southeast of Honshu

Code Station Name Az, Az, Phase ID, Time, Res. Includes stations like JHHZ, JHHZ, etc.

IDC 09:02:15:58.7e.0.0, 32.23N:83.53E, h7km, mb4.2/6, mB4.6/2, MS3.6/3, MS7.3/3

Code Station Name Az, Az, Phase ID, Time, Res. Includes stations like BJI, BJI, etc.



Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Date, Time, Status, and other parameters. Includes stations like K15K Wolf Creek, GAR Garm, N16K Nishlik Lake, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Date, Time, Status, and other parameters. Includes stations like J19K Poorman, J19K Poorman, E18K Tukpahleirik C, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Date, Time, Status, and other parameters. Includes stations like KLU Klutina, H23K Yukon River, M24K Tolsona, Glenn, etc.



Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like G27K, DAWY, M29M, I28M, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like LPAZ, CPUP, ROSO, SDDR, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like W13A, G16A, Y14A, etc.

NEIC 09 02:34:02.8±0.6, 18.97N±0.08±155.38W±0.03, h33km±11km, Error ellipse: s-maj=12.3km s-min=2.5km az=163.0

HVO 09 02:34:04.5±1.2, 18.95N±0.04±155.36W±0.03, h12km±6km, ML2.5/6, ML2.7/3(NEIC), Error ellipse: s-maj=6.2km s-min=1.6km az=146.0, Hawaiian Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like HPO, HTC, HLP, etc.

NEIC 09 02:37:45.7±1.4, 30.76N±0.01±103.67W±0.02, h5km±1km, mb\_Lg2.6/24, ML2.7/20, Error ellipse: s-maj=3.5km s-min=2.9km az=278.0, Western Texas

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like ALPN, PECS, MNHN, etc.

NEIC 09 02:37:16.9±1.1, 37.33N±0.03±113.98W±0.03, h12km±11km, Error ellipse: s-maj=4.1km s-min=3.0km az=188.0

UUSS 09 02:37:17.7±1.9, 37.32N±0.02±113.97W±0.02, h7km±6km, ML2.6/6, ML2.5/4(NEIC), Error ellipse: s-maj=2.7km s-min=1.6km az=200.0, Utah

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like CCUT, ARUT, SZCU, etc.

NEIC 09 02:45:25.7±1.5, 42.63N±0.14±106.82W±0.01, h27km±14km, Error ellipse: s-maj=11.5km az=87.8

IDA 09 02:45:28.4±3.4, 43.66N±1.46±106.82W±0.01, h27km±14km, Error ellipse: s-maj=11.5km az=87.8

JMA 09 02:45:32.4±0.1, 43.1N±0.5±146.0E±0.7, h50km, MV3.8/38, OFF NEMURO PENINSULA

JMA Felt J1 at OFF NEMURO PENINSULA. SKHL 09 02:45:32.5±0.4, 43.10N±1.46±106.82W±0.01, h44km±39km, n25, ±0.60/39, mb3.4/5, 1D, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like NEM2, NMR, NMR, etc.

Table with columns: Code, Station Name, Az, El, P, S, N, Res, Time, Res, ISC, and various numerical values for station data.

Table with columns: Code, Station Name, Az, El, P, S, N, Res, Time, Res, ISC, and various numerical values for station data.

Table with columns: Code, Station Name, Az, El, P, S, N, Res, Time, Res, ISC, and various numerical values for station data.

IDC 09 03:23:14.7-0.7, 28.52N-52.26E, h0km, mb4.0/19, mbmp3.9/26, ML3.6/7, MS3.3/22, Error ellipse: s-maj=16.7km s-min=14.8km az=174.0

TEH 09 03:23:17.1, 28.60N-52.20E, h12km, ML3.9, NEIC 09 03:23:19.8-2.3, 28.58N-52.18E-0.02, h10km, 1km, mb4.3/43, Error ellipse: s-maj=13.2km s-min=3.1km az=175.0

DSN 09 03:23:21.8-0.9, 28.25N-52.23E, h15km, ML3.6/9, Error ellipse: s-maj=14.7km s-min=5.9km az=16.0

OMAN 09 03:23:22.1-0.1, 28.40N-52.34E, h10km, mb4.5/15, mh, 0/12, ms2.9/1, Error ellipse: s-maj=2.3km s-min=1.9km az=302.0

ISC 09 03:23:18.9-0.4, 28.55N-52.20E-0.03, h15km, n196, +159/205, mb4.2/4, MS3.1/18, 7C-7D, Southern Iran az=302.0

Table with columns: Code, Station Name, Az, El, P, S, N, Res, Time, Res, ISC, and various numerical values for station data.

Table with columns: Code, Station Name, Az, El, P, S, N, Res, Time, Res, ISC, and various numerical values for station data.

Table with columns: Code, Station Name, Az, El, P, S, N, Res, Time, Res, ISC, and various numerical values for station data.

IDC 09 03:37:22.0-5.8, 8.53N-84.08W, h0km, mb4.8/23, mbmp4.8/27, ML3.8/4, MS4.1/50, Error ellipse: s-maj=20.8km s-min=10.6km az=54.0



Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like SAML Samuel, 4V8A Smith Brothers, OZNA Ozona, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like HDIL Hopedale, HD1L Hopedale, N49A Columbus Grove, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like GLMI Grayling, NBR5 Nobres, SADO Sadowa, etc.



Table with columns for station code, name, elevation, date, and various performance metrics. Includes entries like RES Resolute Bay, M24K Tolsona, PPT Papeete, etc.

Table with columns: E21K, comp-Z, 24nm, 1.1s, IAMB, IAMB, 03 49 17.1, etc. Lists various stations and their frequencies.

Table with columns: DBIC, comp-Z, 132nm, 0.8s, 78.50 85 P P, etc. Lists various stations and their frequencies.

Table with columns: LESA, Schwarzleotal, 88.38 42 eP P, etc. Lists various stations and their frequencies.

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9d 3h

Table with columns: SONM, Songio Array, 123.10 352, PKP, PKPdf, 03 56 30.6 -1.3, etc.

Table with columns: PSRM, Scobie Ranch, 1.01 132, P, 03 52 59.8 -0.3, etc.

Table with columns: PAHR, Kaiser Valley, 1.01 132, IAML, 03 54 39.1, etc.

AZER 09 03:48:10.7, 38.49N, 45.40E, h2km, ml2.3
TEH 09 03:48:11.0, 38.36N, 45.35E, h6km, 76km, ML2.7

VOG Valley Oaks Go, 1.48 98, P, 03 53 26.4 -0.7

NEIC 09 03:54:17.7, 1.3, 28.8S, 0.2:61.89E, 0.09, h10km, 1km, mb4, 612.2, Error ellipse: s-maj=29.0km s-min=4.6km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc.

ANF 09 03:52:40.7, 0.7, 36.55N, 121.11W, h5km, Error ellipse: s-maj=5.8km s-min=4.3km az=124.0

NEIC 09 03:52:40.5, 1.9, 36.53N, 0.006:121.21W, 0.02, h15km, 3km, Error ellipse: s-maj=2.2km s-min=0.6km az=70.0

NEIC 09 03:54:16.8, 0.6, 28.7S, 0.1:61.9E, 0.1, h10km, n41, 0:07532, mb4.3/1.5, MS3.8/1.5, Southwest Indian Ridge

NCEDC 09 03:52:40.9, 2.2, 36.57N, 0.01:121.15W, 0.02, h4km, 4km, ML3.3/32, ML3.1/92(NEIC), Error ellipse: s-maj=2.3km

NEIC 09 03:52:40.5, 0.8, 36.54N, 0.02:121.20W, 0.02, h10km, 5km, n183, 0:074/195, Central California

NEIC 09 03:54:17.7, 1.3, 28.8S, 0.2:61.89E, 0.09, h10km, 1km, mb4, 612.2, Error ellipse: s-maj=29.0km s-min=4.6km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc.

Table with columns: ANZ, Anzar Road, 0.46 318, P, 03 52 49.9 +0.3, etc.

Table with columns: ARVC, Arvin, 2.39 125, P, 03 53 20.0 +0.4, etc.

Table with columns: ASAR, Alice Springs, 63.92 104, P, 04 04 50.6 +0.3, etc.



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9d 4h

Table with columns: Station/Location, Date/Time, and Value. Includes entries like GUMO, PATS, H11S1, H11S2, JOW, JMW, H11N1, H11N2, H11N3, JGF, MJAR, MAJO, MJB9, JMM, HNR, MYLDM, KSR5, NJ2, USA0B, USA0B, USRK, USRK, USRK, MDJ, MDJ, MDJ, MDJ, MDJ, WBO, WR0, WB2, WR2, WRA, WRA, BNK, BNK, BNK, FITZ, ASAR, ASAR, HEH, HEH, HEH, HHC, HHC, HHC, HHC, HHC, PETK, HIA, PZH, PZH, CMAR, CMAR, SHEM, SONM, SONM, SONM, GTA, GTA, RAO, P08K, SPIA, UNV, BILL, BILL, S12K, SDPT, S14K, S14K, O14K, N14K, L14K, L14K, M14K, O15K, J14K, M15K, N15K, ANM, L15K, F14K

Table with columns: Station/Location, Date/Time, and Value. Includes entries like K15K, P16K, CHIR, O16K, G15K, N16K, M16K, F15K, L16K, L16K, MK31, MK31, MKAR, MKAR, ZAAO, ZALV, ZALV, J16K, H16K, O17K, O17K, MAKZ, P17K, P17K, I17K, I17K, N17K, N17K, SII, M17K, M17K, K17K, K17K, C16K, C16K, C16K, N18K, O18K, O18K, G17K, G17K, OHAK, H17K, H17K, L18K, L18K, M18K, M18K, F17K, F17K, D17K, D17K, E17K, E17K, O19K, O19K, RDOC, RDOC, N19K, N19K, C17K, C17K, H18K, H18K, TTA, TTA, P19K, P19K, Q20K, Q20K, F18K, F18K, G18K, G18K, L19K, L19K, L19K, E18K, E18K, E18K, M19K, M19K, O20K, O20K, J19K, J19K, J19K, C18K, C18K, C18K, L20K, L20K, B18K, B18K, M20K, M20K, M20K, H19K, H19K, G19K, G19K, F19K, F19K, K20K, K20K, K20K, KURK, KURB, J20K, J20K, J20K, BRSE, BRSE, C19K, C19K, E19K, E19K, E19K

Table with columns: Station/Location, Date/Time, and Value. Includes entries like H20K, A19K, D19K, D19K, SKT, PPLA, F20K, SUA, CAST, CAST, KSH, KSH, CHUM, O22K, O22K, SEW, E20K, RC01, D20K, M22K, CUT, H21K, H21K, G21K, G21K, BPAW, BPAW, BPAW, NRIK, NRIK, NRIK, B20K, B20K, PMR, TRF, F21K, F21K, KNK, KNK, KNK, MLY, MLY, MLY, H22K, H22K, C21K, C21K, SML, SML, SML, WAT1, WAT1, B21K, B21K, B21K, RND, RND, RND, F22K, F22K, G22K, G22K, MCK, MCK, M23K, M23K, GLI, GLI, NEA2, NEA2, SCM, SCM, WAT6, WAT6, I23K, I23K, I23K, D22K, D22K, D22K, D22K, E22K, E22K, E22K, H23K, H23K, A22K, A22K, G23K, G23K, COLD, COLD, B22K, B22K, B22K, MDM, MDM, KLU, KLU, D23K, D23K, POKR, POKR, HDA, HDA, H24K, H24K, E23K, E23K, IL31, IL31, ILAR, ILAR, KAIM, KAIM, TOLK, TOLK, TOLK, TOLK, BMRM, BMRM, C23K, C23K, PAX, PAX, HARP, HARP, K24K, K24K

Table with columns for station ID, name, time, and status. Includes stations like N25K Chitina, F24K Squaw Lake, D24K Happy Valley, J25K Salcha River, etc.

Table with columns for station ID, name, time, and status. Includes stations like P33M Teslin, Q32M Nakina River, V35K Ketchikan, S34M Telegraph Cree, etc.

Table with columns for station ID, name, time, and status. Includes stations like G001 Chusmiza, PX03 IPOC Station P, SOET ToroToro, A0EA Alquihe, etc.

Table with columns: BO02, PCMB, ALGR, LDASE, ITAB, ITAB, GO05, CZSB, ARAG, ARAGUAI, ITAB, ML02, PLTB, PLTB, PLTB, FRFB, CNLB, BB19B, SNDB, IPMB, RCLB, SPB, SPB, BDFB, BDFB, MACA, MACA, GO06, PMNB, LR03, PARS, LR05, ITTB, PLCA, PLCA, DIAM, LL01, LL01, LL04, LL04, BOAV, BOAV, BOAV, MCPB, TMAB, NBLA, NBLA, NBLA, NBPB, NBLV, NBCA, NBCL, RCBR, IGPR, IGPR, OBIP, OBIP, CELP, AOPR, AOPR, MTO3, TEIG, TEIG, 833A, 833A, BELA, V48A, V48A, VNA2, WWT, WWT, MIAR, MIAR, SAND, TXAR, TXAR, TX31, SNA4, SNA4, MNHN, MNHN, TROLL, S39A, S39A, DBIC, DBIC, DBIC, K43A, F64Q, TRQ, TRQ, D62A, BATG, BATG, QSPA, QSPA, QSPA, ECSD, UN15, KNB, MTPU, P18A, MVU, MVU, TOAD, TORO, TORO, TORO

Table with columns: HWUT, SCHO, SCHO, SCHO, ULM, MOOV, RLMT, RLMT, NVAR, YKVR, YKVR, YKVR, TSUM, TSUM, HLID, HLID, PL7A, PL7A, G08A, G08A, BOSA, BOSA, BOSA, PINE, PINE, TAM, TAM, LBTB, LBTB, ESDC, ESDC, ESDC, YKA, YKA, ASAR, ASAR, WRA, WRA, ZALV, ZALV, MKAR, MKAR, SONM, SONM, IDC 09:04:10:17.9:0.9, IDC 09:04:15:10.3:0.6, IDC 09:04:15:14.3:0.5, GUMO, GUMO, GUMO, USRK, USRK, WRA, WRA, ASAR, ASAR, MKAR, MKAR, ZALV, ZALV, KURB, KURB, BVAR, BVAR, IDC 09:04:15:10.3:0.6, IDC 09:04:15:14.3:0.5, GUMO, GUMO, GUMO, MANU, MANU, DAV, DAV, TAGY, TAGY, JGW, JGW, LUWI, LUWI, TOL2, TOL2, YOJ, YOJ, YOJ, MYLD, MYLD, YULB, YULB, YHNB, YHNB, MTN, MTN, JNU, JNU, BATI, BATI, H1S3, H1S3, H1S1, H1S1, H1S2, H1S2, H1N1, H1N1, H1N2, H1N2, H1N3, H1N3, HNR, HNR

Table with columns: KSR5, KSR5, NJ2, NJ2, WBO, WBO, WRO, WRO, WRO, WRA, WRA, WRA, WRA, ASAR, ASAR, ASAR, ENH, ENH, CN2, CN2, CN2, BJT, BJT, BJT, BJI, BJI, BJI, BJI, BNX, BNX, BNX, PHRA, PHRA, CRAI, CRAI, HHC, HHC, HHC, PZH, PZH, PZH, CM31, CMAR, CMAR, CMAR, CMAR, DZM, DZM, DZM, MND, MND, MND, SONM, SONM, SONM, RAO, RAO, MK31, MK31, MKAR, MKAR, MAK2, ZAA0, ZALV, ZALV, KURK, KURK, KURB, KURB, CHNA, M13K, M13K, NIL, L14K, CHGN, ANM, O15K, F14K, N15K, K15K, F15K, P16K, O16K, M16K, L16K, G16K, G16K, H17K, O17K, N17K, C16K, C16K, C16K, M17K, M17K, K17K, G17K, H17K, H17K, KK31, KK31, KKAR, KKAR, D17K, D17K, H17K, F17K

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other metrics. Includes stations like F17K Baldwin Pennin, N18K Kliae Creek, E17K Hotham Inlet, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other metrics. Includes stations like D22K Ayikyak River, RND Reindeer, WNT1 Susitna Watana, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other metrics. Includes stations like K27K Chicken, L27K Beaver Creek, CTG Chitna Glacier, etc.

Table with columns: R33M, Jennings River, 80.84, 31, P, P, 04 27 25.4 -0.6, 04 27 28.2, etc.

CATAC 09 04:32:02.7z 0.7, 19.03N-82.59W, h30km, MB5.2, mb5.0, ML5.3

MOS 09 04:32:19.9-0.9, 17.50N-83.58W, h11km, mb5.0/20, Error ellipse: s-maj=15.1km s-min=5.7km az=106.8

IDC 09 04:32:20.1z 0.6, 17.51N-83.68W, h0km, mb4.3/18, mbtmp4.3/21, ML4.3/3, MSK3.8/50, Error ellipse: s-maj=17.2km s-min=12.3km az=46.0

NEIC 09 04:32:22.7z 1.9, 17.52N-0.06-83.50W, h10km, mb4.9/488, Error ellipse: s-maj=11.3km s-min=9.8km az=254.0

JSN 09 04:32:23.5z 0.6, 17.42N-83.37W, h0km, 999km

GCMT 09 04:32:24.7z 0.2, 17.60N-0.01-83.44W, h0.02, h18km, 1km, MW4.8/2, Moment Tensor Solution. s23,c32; s92,c124; D/dation: 0 Moment tensor: Scale 10^16Nm; Mr0.64+-0.9; Mw-1.45+-0.8; Ms-0.80+-0.7; Ml-1.39+-2.2; Mb-1.53+-0.6; Mo-0.16+-1.5; Best double couple: M=2.37700/-0.1016 NP1=78.00000, delta.00000, lambda.00000. NP2: 0.3241.00000, delta.00000, lambda.00000. Principal axes: T 2.1000, Plg34.0000, Azm307.0000; N 0.5500, Plg49.0000, Azm88.0000; P -2.6550, Plg20.0000, Azm203.0000; ns1a1 refers to body waves, cutoff=40s. ns1a2 refers to surface waves, cutoff=50s. Triangular moment-rate function

SSNC 09 04:32:24.9z 3.3, 17.93N-82.76W, h37km, 830km, MW4.0

ISC 09 04:32:22.5z 0.3, 17.50N-0.03-83.42W, h0.04, h18km, n88, s142/686, mb4.8/219, MS3.9/44, 1D, North of Honduras

Table with columns: Code, Station Name, A, AZ, Phase ID, Time Res, ISC, h, m, s, ISC, Res, etc.

Table with columns: MACN, Conchagua, 5.98 226, i, P, Pn, IAmB, 04 34 24.8, 04 33 57.3 +7.0, etc.

Table with columns: LRAL, Lakeview Retre, 15.80 349, P, Pn, 04 36 05.4 +0.4, GOGA, Godfrey, 15.84 360, P, Pn, 04 36 05.5 +0.9, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like S57A, S44A, SIUC, WCI, WCI, WCI, HHAR, R58B, ABTX, ABTX, MGMO, WFTS, SAND, ARNL, W35A, CBN, FVM, TUL3, TUL3, Q52A, Q51A, SGCA, Q54A, OLIL, CCM, CCM, FNO, DEOK, BLO, APMT, SLM, OK052, S39A, P48A, TXAR, TXAR, TXAR, TXAR, WMOK, P53A, P49A, P49A, QUOK, OK033, OK029, P52A, P52A, R40A, P46A, MCWV, MNHN, DKNS, ODSA, O49A, ACSO, ACSO, P43A, P43A, OK08B, OK08B, B48K, B48K, B48K, B48K, O53A, O53A, SFIN, SFIN, SMWD, PECS, OK038, U32A, KAN05, N49A, N49A, N51A, HDIL, SSPA, VHRN, AMTX, M50A, MSTX, M53A, M53A, N41A, N41A, M55A.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like L48A, KSU1, MNXT, ERPA, N38A, AAM, AAM, R32A, L44A, ATAH, L42A, WVVV, TBGT, L40A, BINY, RTBA, K43A, I43A, SLBS, SLBS, CBKS, CBKS, CBKS, CBKS, JFWS, JFWS, JFWS, N33A, K38A, I49A, L61B, 121A, 121A, 121A, I42A, I42A, Y22F, L34A, L34A, ANMO, ANMO, ANMO, ANMO, HRV, T25A, T25A, BGNE, BGNE, BGNE, H43A, H43A, KSCO, KSCO, KSCO, KSCO, CZSB, CZSB, SADO, HSIG, TEF, SDCO, LONY, OGNE, LBNH, ECSD, Q24A, SPMM, SPMM, TUC, W18A, ISCO, ISCO, ISCO, F36A, M36A, M36A, M36A, SUSD, 214A, 214A, F33A, N23A, N23A, WUAZ, WUAZ, WUAZ, EYMN, O20A, O20A, O20A, HMU, HMU, U15A.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like RSSD, RSSD, RSSD, K22A, B35A, ETMB, PDMCI, GLA, RDMU, RDMU, Q16A, P17A, E28A, AGMN, AGMN, AGMN, KNB, MTPU, MTPU, TMUT, TMUT, MDP, SZCU, IRM, BC3, BSUT, BSUT, TCRU, TCRU, YUH, YUH, SWSC, SAML, SAML, SAML, SAML, MDND, MPU, MONP2, NLU, BELC, GMRC, PD31, PD31, PDAR, PDAR, PDAR, PDAR, BW06, CTU, CTU, TCTU, TCTU, TCTU, PFO, PFO, SHPR, SHPR, TUQ, HUG, HUG, HWUT, ULM, ULM, ULM, MURC, SPR3, AHID, BGM, BGM, LAO, LAO, SNOW, LOHW, Q12A, TPWA, MOOW, R11B, FXWY, FXWY, RLMT, RLMT, FURC, IMW, H17A, YMP, YMP, DGMT, LRMC, EDW2, MPMC, CCAC, M5CP, ELK.

Table with columns: Station, Elevation, Azimuth, Azimuth Error, Range, Range Error, Azimuth Accuracy, Range Accuracy, Status, Date/Time. Includes stations like ELK, CWC, ISA, SNCC, ARVC, YES, BOZ, PKM, LPAZ, LPZM, HLID, NVAR, NPGB, LHV, SMMC, KVN, BMN, EGMT, MFID, YERR, VILB, MPK, PDRB, SCHO, F10A, G08A, PTLB, J05D, PINE, BBSD, NEW, NEW, NEW, F07A, C09A, NBRS, FCC, SALV, LON, SNDB, SDBA, CO03, YKA, CPUP, RPN, TOAD, FLDN, KOTAN, RCBR, V35K, T35M.

Table with columns: Station, Elevation, Azimuth, Azimuth Error, Range, Range Error, Azimuth Accuracy, Range Accuracy, Status, Date/Time. Includes stations like T35M, DIAM, DLBC, WRGLY, WRAP, S34M, WTLY, W3U3, SFJD, TGTN, R33M, G32M, S32K, SIT, R32K, P33M, P32M, N32M, S31K, SKAG, WHY, FARO, PLBC, M31M, O30M, P30M, N31M, N31M, P29M, C36M, HYT, N30M, O29M, PNL, YUK6, MAYO, YUK4, H31M, M29M, J30M, O28M, L29M, K29M, I30M, PLCA, G31M, F31M, YUK3, CTG, MESA, A36M, INK, BVCY, EPYK, DAWY, F30M, M27K, M27K, CRQE, H29M, MCARA, MCARA.

Table with columns: Station, Elevation, Azimuth, Azimuth Error, Range, Range Error, Azimuth Accuracy, Range Accuracy, Status, Date/Time. Includes stations like BCAR, L27K, G29M, I28M, I28M, KAIM, M26K, SUMG, SUMG, SUMG, K27K, K27K, BMRM, L26K, L26K, E29M, N25K, N25K, I27K, Q33K, EYAK, F28M, H27K, J26L, J26L, KLU, KLU, KLU, G27K, G27K, E28M, E28M, D28M, TAOE, PAX, M24K, P23K, GLI, E27K, E27K, K24K, J25K, SCM, SCM, D27M, D27M, BORG, G26K, M23K, PRP, PRP, DHY, WAT6, KNK, KNK, SML, F26K, HDA, BMA, SEW, ILAR, ILAR, ILAR, PMR, WAT1, G25K, POKR, RC01, F25K, WRH, COLA, COLA, COLA, E25K, BRSE, MCK, MDM, M22K, H24K, H24K, G24K, NEA2.

9d 4h

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like NEA2, CUT, SUA, CAPN, C26K, TRF, I23K, KDAK, K20K, BPAW, MLY, G23K, P19K, ILSW, PPLA, CAST, Q19K, SII, COLD, E23K, D24K, CHUM, M20K, H22K, TOLK, C24K, G22K, O19K, L20K, N19K, D23K, CHIR, H21K, H21K, M19K, K20K, K20K, P18K, F22K, E22K, C23K, O18K, O18K, J20K, J20K, L19K, L19K, G21K, I20K, F21K, N18K, N18K, D22K, D22K, M18K, P17K, H20K, J19K, J19K, TTA, TTA, TTA, O17K, L18K, L18K, R16K, B22K, N17K, N17K, J18K.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like J18K, F20K, F20K, M17K, C21K, H19K, H19K, B21K, P16K, GCSA, CHGN, CHGN, O16K, E20K, G19K, A22K, K17K, N16K, D20K, E19K, F19K, F19K, H18K, S14K, B20K, G18K, G18K, L16K, L16K, O15K, D19K, D19K, SDPT, H17K, F18K, M15K, J16K, J16K, I17K, C19K, C19K, G17K, E18K, E18K, L15K, K15K, N14K, F17K, M14K, S12K, C18K, A19K, E17K, H16K, G16K, G16K, B18K, L14K, RDOG, M13K, D17K, J14K, C17K, FALS, EKA, F15K, C16K, C16K, ANM, ESDC, ESDC, ESDC, ESB, F14K, MDT, TNA, UNV, NIKH, PPTS, PPTS, SPITS, SPITS, NB2, NOA.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like NOA, DBIC, HFS, DAVOX, FUORN, ARCES, BILL, BILL, BILL, TORD, TORD, GERES, GERES, VRAC, FINES, FINES, VAE, VALR, VALR, TIXI, TIXI, TIXI, TIXI, SEY, SEY, AKASO, MA2, OBN, OBN, OBN, PET, PET, NRIK, NRIK, NRIK, YAK, BELG, ARU, HJC, HJC, NJ2, PZH, CMAR, WRA, ASAR.

Table with columns: Code, Station Name, Frequency, Mode, Power, and other parameters. Includes stations like OHR, OHR, LSK, LSK, FNA, FNA, SRN, SRN, SRN, IGT, IGT.

Table with columns: Code, Station Name, Frequency, Mode, Power, and other parameters. Includes stations like PIZZ, PIZZ, JAMC, JAMC, JAMC, GRIC, GRIC, POPC, POPC, ANIL, ANIL, NIZA, NIZA, ORTC, ORTC, RECR, RECR, CBOC, CBOC, SOLC, SOLC, GUY2, GUY2, BBAC, BBAC, CRUC, CRUC, GARC, GARC, NORC, NORC, TUMC, TUMC, GUCF, GUCF, ROFC, ROFC, FLOC, FLOC, DBBC, DBBC, PLMC.



Table with columns: PTAC, CVER, CVER, CMB, CMB, WILC, WILC, PTBC, PTBC, MACC, MACC, ZARC, ZARC, RUSC, RUSC, RUSC, CAPC, CAPC, BARC, BARC, CACAO, CACAO, GMAL, GMAL, BCIP, BCIP. Includes station names like Cruz Verde, Cu, Kumal, Villavencio, Puerto Berrio, Macarena, Meta, Zaragoza, Cauca, La Rusia, Capurgana, Barichara, El Cacao, Vera, Guarumal, Vera, Isla Barro Col.

NNC 09:05:18:48.1±2.4, 37:10N:71.18E, h168km, mb2.8, mpv3.8, 3C-3D, Error ellipse: s-maj=23.3km s-min=18.7km az=172.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like Karatay Array, Ala-Archa, Tokmak 2, Ab31 Akbulak array, AKTO Aktyubinsk.

DJA 09:05:45:09.5±1.9, 8.3S:11.9E, h12km±16km, M3.7/8, mb3.9/1, MLV3.6/8, Flores region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like Plampang, Taliwang, Sumb, Baing, Sumba, Ende, Flores, Bulukumba, Denpasar.

IDC 09:06:10:52:4.5, 8.16E:46S:176.07W, h315km, 56km, mb3.5/9, mbmp4.2/10, Error ellipse: s-maj=33.5km s-min=18.3km az=154.0

NEIC 09:06:10:56:4.1, 8.15S:9.02E:176.4W, h1.1, h331km, 66km, mb4.3/9.1, Error ellipse: s-maj=27.6km s-min=12.4km az=150.0

ISC 09:06:10:56:0.5, 16.2S:0.2E:176.3W, h1, h350km, n115, a1501/112, mb4.3/5.5, Fiji Islands region

Large table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like AFI Afiamalu, MSVF Nonsavu, DZM Mont Dzumac, URZ Urewera, ARMA Armidale, STKA Stephens Creek, BBOO Buckleboob, WR0 Warramunga Arr, WRB Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, FORT Forrest, FITZ Fitzroy Crossi, PSA00 Pilbara Seismi, QSPA South Pole Qui, KMPM Mount Pierce, KMRM Mt Ridge, YBH Yreka Blue Hor, YBH Yreka Blue Hor, MPK Martis Peak, KDAK Kodiak Island, HUMO Huli Mountain, HUMO Huli Mountain, LOAD Klamath Falls, YERR Yerington, NVAR Mina Araya, NV11 Mina Araya Sit, O16K Kokkok River, N15K Kwethluk River, P18K Big Mountain, KVN Kaiserville, M14K Bethel, O18K Koktuh Hills, O19K Port Alsworth, ILSW Iliamna South, M16K Timber Creek, M16K Timber Creek, F04A Amboy, K15K Wolf Creek Mtn, X16A Lo Mia Camp, L18K Granite Mounta, 319A Douglas, 319A Douglas.

Large table with columns: PSUT, K17K, K17K, S7A, S7A, J16K, DUNG, TT, KNK, PMR, GHO, J18K, CUT, WAX, K20K, VRDI, N25K, N25K, GLB, GLB, F10A, F10A, BARN, BARN, H17K, H17K, J20K, TRF, TRF, HLUD, HVU, RND, RND, SRU, SRU, M26K, TCUT, H19K, H19K, BSUT, BSUT, VHRN, G18K, G18K, WRH, WRH, MLY, MLY, G19K, G19K, TXAR, TXAR, HDA, CCB, COLA, MDM, SCRK, SCRK, ILAR, ILAR, E18K, E18K, J26L, J26L, E19K, PRP, PRP, PDAR, PDAR, DAWY, BILL, BILL, EGAK, K29M, MAYO, DRIO, F24K, YKA, ARSB, ARCS, FINN, BINES, BR131, BR131, BRTR, BRTR, MLR, GERES, MMAI, MMAI, PRED, PRED, FUORN, FUORN, ASCN, ASCN, FNA, FNA, DJA 09:06:13:43.3±0.4, 13.7N:7.14E, h70km, 7km, M4.5/8, MOS 09:06:13:43.4±1.0, 13.08N:144.76E, h77km, mb4.9/22, Error ellipse: s-maj=14.4km s-min=7.2km az=96.5, IDC 09:06:13:45.0±0.6, 13.12N:144.34E, h74km, 4km, mb4.0/18, NEIC 09:06:13:46.0±1.5, 13.07N:144.99E, h78km, 5km, mb4.7/19.1, Error ellipse: s-maj=15.3km s-min=2.5km az=109.0, ISC 09:06:13:45:0.3, 13.05N:144.85E, h0.078km, m509, a0575/453, mb4.6/13.1, 10L, Mariana Islands, GUMO Guam, GUMO Guam, GUMO Guam.

Large table with columns: JMW, SWI, DAV, FAKI, FAKI, FAKI, H11S3, H11S1, H11S2, H11N1, H11N2, H11N3, JSG, JSG, PMG, PMG, PMG, PMG, JMN, JMN, JGF, YOJ, YOJ, YOJ, JNU, JNU, JNU, MAJO, MAJO, MAJO, MAJO, MJB9, YULB, LUWI, TOLJ, COEN, HNR, KDU, KSR, KSR, KSAR, KSAR, MTN, MTN, MTN, NJ2, NJ2, JKA, ASAJ, ASAJ, ASAJ, ASAJ, BATI, BATI, KNRA, KNRA, WR0, WR0, WR0, WRAB, WRAB, WRAB, WRB, WRB, WRA, WRA, WRA, FITZ, FITZ, FITZ, KLR, KLR, AS31, AS31, ASAR, ASAR, ASAR, EIDS, EIDS, QLP, QLP, HEH, HEH, HEH, HGH, HGH, HHC, HHC, HHC, DZM, DZM, DZM, WRKA, WRKA, PETK, PETK, MBWA, MBWA, MBWA, BBJ, BBJ, PSA00, PSA00, PSA00, PZH, PZH, PZH, ZEA, ZEA, ARMA, ARMA, ARMA, LCRK, LCRK, CMAR, CMAR, CMAR.

Table with columns: STKA, Stephens Creek, 44.78 184, P, P, 06 21 51.4, -0.1, 06 21 50.6, -0.9, etc.

Table with columns: O18K, Koktuh Hills, 63.89 29, P, P, 06 24 10.9, 06 24 10.5 +0.6, etc.

Table with columns: BPAW, Bear Paw Mtn., 67.16 25, P, P, 06 24 30.7, -0.3, 06 24 31.5 +0.2, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like Gilahina Butte, Frank Bluff, Verde Repeater, Birch Creek, Bearman Lake, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like Aishikik Lake, Pine Creek, Pin Creek, Stokes Point, Pleasant Camp, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like EDM, SMCC Simmler, PLID Pearl Lake, Kaiserville, Mina Array Bea, etc.

9d 7h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KURBB Kurchatov Arra, KURBB Kurchatov Arra, MK31 Makanchi Array, etc.

IDC 09 06:54:27.9.3.2, 30.335x178.42W, h58km, mb2.9, mvt2.4, Error ellipse: s-maj=58.4km

ISC 09 06:54:26.2.1.8, 30.55x178.3W, 0.3, h50km, n8, e253.3, mb3.8, Kermadec Islands

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

IDC 09 07:00:34.4.1.3, 54.54N-83.71E, h0km, mbmp3.3/3, ML2.7/3, Error ellipse: s-maj=12.2km s-min=8.0km

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, KURBB Kurchatov Arra, etc.

IDC 09 07:08:42.8.12.0, 59.06S-95.05E, h0km, Error ellipse: s-maj=33.5km s-min=11.0km az=161.0, South Indian Ocean

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H01W2 Cape Leeuwin H, H01W1 Cape Leeuwin H, H01W3 Cape Leeuwin H, etc.

IDC 09 07:10:05.2.8.2, 53.73N-87.02E, h0km, mbmp3.0/2, ML2.6/2, Error ellipse: s-maj=26.5km s-min=15.7km az=69.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, KURBB Kurchatov Arra, etc.

JMA 09 07:11:57.9.0.1, 24.3N, 104.123E, 0.5, h13km, mb1.1km, NEAR ISHIGAKI JIMA ISLAND, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IRIF Kuroto-Funau, JKRS Kuro-shima, HATJ Hateruma jima, etc.

TAP 09 07:12:00.1, 24.53N-121.82E, h9km, mb1.6, 2C, C, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ESAO Su ao, ESAO baz=24, etc.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TWC Suao, EWUT Wuta, ENA Nanau, etc.

NDC 09 07:13:25.9.4.3, 48.55N-171.68E, h0km, mbmp2.3/3, ML1.8/3, 5C-1D, Error ellipse: s-maj=18.7km s-min=10.9km az=63.0, Eastern Kazakhstan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KURK Kurchatov, KURBB Kurchatov Arra, MK31 Makanchi Array, etc.

IDC 09 07:29:55.6.3.6, 54.44N-87.05E, h0km, mbmp2.8/2, ML2.0/1, Error ellipse: s-maj=33.0km s-min=20.4km az=54.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, KURBB Kurchatov Arra, etc.

ANF 09 07:31:58.5.0.1, 34.24N-117.47W, h15km, 1km, ML3.2/2/9, Error ellipse: s-maj=1.0km s-min=0.8km az=11.0

NEIC 09 07:31:58.9.1.0, 34.25N-117.45W, 0.010, h19km, 1km, Error ellipse: s-maj=1.3km s-min=1.2km az=193.0

PAS 09 07:31:59.5.0.9, 34.243N-117.458W, 0.009, h12km, 2km, ML3.2/3/37, ML3.0/92(NEIC), Error ellipse: s-maj=1.2km s-min=1.1km az=141.0

ISC 09 07:31:58.9.0.8, 34.25N-117.45W, 0.011, h17km, 4km, n164, 08/87/248, Southern California

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SS2 San Seavine, CSP Cedar Springs, FON Fontana, etc.

578

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CRNC Corona, CRNC Ferris, BBRC Big Bear Solar, etc.

comp=N, 885nm, 0.3s, Haystack Butte, 0.62 351, Pg, 07 32 11.0 -0.2

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HYS Haystack Butte, BREC Barre Substati, CASA Casa Juven, etc.

comp=N, 885nm, 0.3s, Haystack Butte, 0.62 351, Pg, 07 32 11.0 -0.2

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DGR Domenigoni Val, DGR Polly Butte, GR2C Griffith Obs., etc.

comp=N, 885nm, 0.3s, Haystack Butte, 0.62 351, Pg, 07 32 11.0 -0.2

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BLAC Blackrock camp, BLAC Tropico Hills, TPO Cary Ranch, etc.

Table with columns: CIS, Catalina Islan, 1.17 224 P, Pn, 07 32 19.7 -0.7, etc. Includes various station names like TPC, BELC, LRM, etc.

Table with columns: CMB, Columbia Colle, 4.46 329 Pn, IAML, 07 33 06.1 +0.3, etc. Includes station names like KNB, CCUT, etc.

TEH 09 07:42:51.1, 30.72N-57.37E, h6km, 34km, ML3.6, Northern and central Iran

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, etc. Includes station names like KRM1, KHGB, etc.

TRN 09 07:47:23.8, 10.91N-62.30W, h54km, MD3.6, North of Paria peninsula.

FUNV 09 07:47:24.0, 10.79N-62.24W, h33km, MW3.8

ISC 09 07:47:22.21, 3.1085N-0.046229W-0.04, h76km, 15km, n26, r185/46, 1C, Near coast of Venezuela

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, etc. Includes station names like TRN, CRUV, etc.

FUNV 09 08:00:09.1, 8.262N-71.80W, h5km, MW3.5

RSNC 09 08:00:11.7, 0.0, 8 N-4.7 W, h0km, 4km, mb6.3, mb3.6, ML2.8, Mw(mb)6.1

ISC 09 08:00:47.1, 5.830N-0.003-71.75W-0.03, h2km, 11km, n35, r157/63, 1C-2D, Venezuela

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, etc. Includes station names like CAPV, SOCV, etc.

Table with columns: LCBC, Guyana, Caldas, 4.71 230 S, Sn, 08 02 11.8 -0.3, etc. Includes station names like GUY2C, GUY2C, etc.

IDC 09 08:18:24.7, 1.2, 4.77S, 100.62E, h0km, mb4.0/14, mbtmp4, 1/15, ML4.4/1, MS3.2/2, Error ellipse: s-maj=39.4km s-min=15.3km az=51.0

DJA 09 08:18:27.3, 1.6, 5.4 S, 101.1 E, h28km, 18km, M4.6/12, mb4.8/7, mb4.8/1, MLV4.5/12, Mw(mb)4.1/1

NEIC 09 08:18:27.3, 2.6, 4.73S, 0.07, 100.73E, 0.06, h10km, 15km, mb4.3/22, Error ellipse: s-maj=13.9km s-min=8.4km az=217.0

ISC 09 08:18:26.3, 0.6, 4.69S, 0.08, 100.71E, 0.07, h10km, n69, r1504/58, mb4.3/22, Southwest of Sumatara

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, etc. Includes station names like PPSI, MNNI, etc.



Table with columns: Code, Station Name, Az, El, Phase, ID, H, m, s, Res, I, SC. Includes stations like 143A Soes Landing, SLM Saint Louis, CGM3 Cape Girardeau, MNHN Monahans, Q24A Divide, K30B Basset, HND0 Hondo, S44A Carbondale, SIUC Southern Illin, OXF Oxford, EF01 Eagle Ford 01, SAND Sanderson, ANMO Albuquerque, ANMO EROS Data Cent, ECSD EROS Data Cent, Y22D IRIS PASSCAL I, OLIL Olney, PHWY Pilot Hill, N23A Red Feather La, 833A Chaparral WIA, USIN University of, O44A Mansfield, SUSD Miller, L42A Oliver, POLO, TXAR Lajitas Array, TXAR, TXAR, RFWW Jewell Farm, RFWW Rawlins, I40A Norwalk, K43A Burlington, SPMM Marine on St, TKL Tuckaleechee C, TKL, PDAR Pinedale Array, PDAR, PDAR, ULM Lac du Bonnet, ULM, ULM.

ANF 09:09:33:46.8,0.3,41.36N:100:09W,h5km, Error ellipse: s-maj=3.7km s-min=3.3km az=139.0
IDC 09:09:33:47.3,0.9,41.42N:100:26W,h0km,mb3.5/3, mbtmp3.5/8,ML3.5/5,MS2.7/1, Error ellipse: s-maj=11.9km s-min=9.6km az=129.0
NEIC 09:09:33:47.41,32N:100:11W,h5km
NEIC 09:09:33:49.2,1.6,41.34N:0:05:100:14W:0:02,h5km,2km, mb\_Lg3.3/135,Mwv3.9, Error ellipse: s-maj=9.1km s-min=3.0km az=349.0,Moment Tensor Solution: Moment tensor: Scale 10^14Nm; Mw=0.73; Mw0.42; Mw0.30; Ms=0.95; Ms0=0.40; Mw0.08; Fault plane solution: M1\_21000x10^4 Np1%104.70000°, 872.03000°, -1-107.11000°. NP2%329.64000°, 824.62000°, -1-47.79000°. Principal axes: T\_1.1435,Plg25.0000°, Azm208.0000°; N\_0.1282,Plg16.0000°, Azm110.0000°; P\_-1.2717,Plg59.0000°, Azm351.0000°.

Table with columns: Code, Station Name, Az, El, Phase, ID, H, m, s, Res, I, SC. Includes stations like ANF, IDC, NEIC, PDAR, ULM, CBK3 Cedar Bluff, BGNE Belgrade, BGNE Belgrade, OGNE Ogallala, OGNE Ogallala, N33A J Bar K, Exete, N33A, N33A, CBK3 Cedar Bluff, CBK3 Cedar Bluff, L34A Svendsen Farm, KSC0 Kaye Shedlock, KSC0 Kaye Shedlock, KSC0, R32A Long Quarter, SUSD Miller, SUSD Miller, SUSD Miller, BRIGG Briggsdale, N35A Tabor, KSU1 Kansas State U, KSU1 Kansas State U, KSU1 Kansas State U, ECSD EROS Data Cent, ECSD EROS Data Cent, RSSD Black Hills, RSSD Black Hills, RSSD Black Hills, RSSD Miller, PHWY Pilot Hill, KAN12 Harper NE Stat.

Table with columns: Code, Station Name, Az, El, Phase, ID, H, m, s, Res, I, SC. Includes stations like N23A Red Feather La, N23A Red Feather La, N23A, KAN08 Anthony NE Sta, ISCO Idaho Springs, ISCO Idaho Springs, ISCO Idaho Springs, Q24A Divide, Q24A Divide, Q24A Divide, KAN09 Caldwell North, KAN14 Manchester OK, OK032 Salt Plains WL, K22A Casper, K22A Casper, K22A Blackwell, SCIA State Center, SCIA State Center, SCIA State Center, N38A Joes South For, E28A Huff, F33A 5 Mile Ranch, F33A, P38A Dawn, ELIS Ellis County, ELIS, RTBA Rita Blanca, RTBA, RWWY Rawlins, RWWY, T25A Trinidad, T25A, SDCO Great Sand Dun, SDCO Great Sand Dun, SDCO Snowmass, OK033 Mehan, D32A Dogwood Acres, SMWD Samnorwood, SMWD, OKCWS OKLAHOMA CITY, O20A White River Ci, TUL3 Leonard, TUL3 Leonard, TUL3 Leonard, P40A Paris, MDND Maddox, MDND, RLO Rose Lookout, F36A Milaca, F36A, SPMM Marine on St, SPMM, SPMM Marine on St, SPMM, AMTX Amarillo, AMTX Amarillo, AMTX Amarillo, U38A Gravette, WMOK Wichita Mounta, WMOK Wichita Mounta, W35A Tecumseh, W35A, R40A Madies Statio, LAO LASA Array, LAO LASA Array, N41A Harden Midland, BW06 Boulder Array, BW06, PD31 Pinedale Array, PDAR Pinedale Array, PDAR Pinedale Array, PDAR, PDAR, PDAR, RDMU Red Mountain, RDMU, I40A Norwalk, JFWS Jewell Farm, JFWS, AGMN Agassiz Nation, AGMN Agassiz Nation, AGMN Agassiz Nation, CCM Cathedral Cave, CCM Cathedral Cave, CCM, MXTX Muleshoe, MXTX Muleshoe, MXTX Muleshoe, DMGT Dagmar, DMGT Dagmar, DMGT Dagmar.

Table with columns: Code, Station Name, Az, El, Phase, ID, H, m, s, Res, I, SC. Includes stations like WTF5 Wichita Falls, X37A Clayton, APMT Aspermont, SLM Saint Louis, E38A The Farm, Brul, BSUT Blindstream C, ANMO Albuquerque, ANMO, SNOW Snow King Moun, FVM French Village, G40A Rib Lake, REDW Red Top Meadow, HDIL Hopedale, HDIL, MOOV Moose Ponds, P43A Skaggs, Pawnee, P43A Flagg Ranch, H77A Grant Village, SN07 Snyder 07, SRU San Rafael Swe, FCAR Ozark Folk Cen, AHID Huron Hatcher, Z35A Perchaven, San, B35A Bob, Littlefor, B35A, P17A Butcher Ranch, POST Post, MWJ Indian Meadow, FXWY Fox Creek, SN05 Snyder 5, MIAR Mount Ida, MIAR Mount Ida, MIAR, TCUT Draeger Canyon, FW06 Azle, HWUT Hardware Ranch, WHAR Woolly Hollow, WHAR, I42A Abilene Farm, PLPT Palo Pinto, ABTX Abilene, Hawie, ABTX, LCAR Lake Charles, PBMO Poplar Bluff, Q16A Castle Valley, FW07 Weatherford, K43A Burlington, MPU Maple Canyon, HMU Henry Mountain, X40A Basin Creek Fa, UALM University of, EYMN Ely, EYMN, EYMN, CGM3 Cape Girardeau, Y22D IRIS PASSCAL I, SIUC Southern Illin, TREL Terrell, NLU North Lily Min, FW16 Waxahatchie, FW16 Cleburne, COWI Conover, PARMO Parma, ULM Lac du Bonnet, ULM, ULM Lac du Bonnet, ULM, ULM, BOZ Bozeman (W), WLAR White Oak Lake, H43A Windswept, Lux, WHTX Lake Whitney, WHTX Lake Whitney, W18A Petrified Fore, 237A Washetta, M10, Z41A Richland Creek, BRDY Brady, ELK Elko, TXAR Lajitas Array, TXAR, TXAR, TKL Tuckaleechee C, TKL, YKA Yellowknife Ar, YKA, YKA, SCHO Schefferville, ILAR Eielson Array, ILAR.

FUNV 09:09:39:56.5,8:23N:71:77W,h5km,MW3.3
RSNC 09:09:39:59.7,0.0,8°N:4:7°2'W, h0km,5km,ML2.3
ISC 09:09:39:54.8,1.3,8.29N:100:04:71.75W:0:03,h4km,11km,
Code Station Name Az El Phase ID H m s Res I SC
CAPV Capacho 0.69 233 eP P 09 40 08.0 -0.1
CAPV Socops 0.89 90 eS Sg 09 40 17.7 +0.5
SOCV Socops 0.89 90 eP Sg 09 40 23.4 +0.6
PAMC Pamplona, Colo 1.33 225 P Sg 09 40 21.0 +0.7
PAMC 1.33 225 S Sg 09 40 21.0 +0.7
OCAC Ocana 1.55 268 P S 09 40 23.1 -0.2
OCAC 1.55 268 S S 09 40 23.2 -1.7
MCOV Machiches 1.91 336 eP Pn 09 40 28.7 +0.5
MCOV 1.91 336 eS Pn 09 40 28.7 +0.5
BARC Barichara 2.20 320 P Pb 09 40 34.6 -0.4

9d 10h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BARC, SANV, RUSC, CRJC, etc.

IDC 09 10:22:20.5-3.3, 53.55N-87.70E, h0km, mbmtpp 9/2, ML2.4/2, Error ellipse: s-maj=29.9km s-min=17.0km az=52.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like I46RU, ZALV, KURBB, MKAR, etc.

NOU 09 10:09:43.7, 37.18S-179.39E, h0km, MLv4.0/6, Off E. Coast of N. Island, N.Z.

WEL 09 10:09:48.3-0.8, 37.5L4 x 17.9E1, h12km, M3.5/36, ML3.8/37, MLv3.5/36, Error ellipse: s-maj=0.1km s-min=0.0km az=39.5, confirmed

ISC 09 10:09:46.4-2.9, 37.5S-179.2E-0.1, h11km=12km, n83, c086/89, Off east coast of North Island

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists numerous stations like MXZ, WMGZ, PKGZ, etc.

ANF 09 10:22:19.7-0.2, 36.31N-97.55W, h5km, Error ellipse: s-maj=3.0km s-min=2.2km az=25.0
IDC 09 10:22:19.3-0.5, 36.28N-97.56W, h0km, mb4.1/13, mbmp4.1/24, ML3.6/9, MS3.9/72, Error ellipse: s-maj=9.1km s-min=8.3km az=167.0

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NEIC 09 10:22:20.3, 36.22N-97.57W, h5km
NEIC 09 10:22:20.1-0.3, 36.216N-0.004-97.58W, 0.01, h4km, 2km, Error ellipse: s-maj=1.4km s-min=0.4km az=110.0
Moment Tensor Solution. Moment tensor: Scale 10^15Nm; Mrr-1.17; Mss-5.80; Mss-4.63; Mtt-0.73; Mss-4.70; Mr1.25; Fault plane solution: Mo: 2.4000x10^15 NP1: 0.204, 32000, 888, 30000, -1-167.97000. NP2: 0.113, 95000, 877, 97000, -1-1.74000. Principal axes: T 7.7486, P1g7.0000, Azm339.0000; N -1.1608, P1g7.0000, Azm212.0000; P -6.5878, P1g10.0000, Azm70.0000.

NEIC 09 10:22:20.36, 32N-97.58W, h12km, Moment Tensor Solution. Duration: 150 Moment tensor: Scale 10^16Nm; Mrr-0.04; Mss-0.79; Mss-0.75; Mss-0.34; Mss-0.58; Mr-0.12; Fault plane solution: Mo: 1.0200x10^16 NP1: 0.25, 32000, 878, 02000, -1, 167.31000. NP2: 0.118, 0000, 877, 59000, -1, 122.27000. Principal axes: T 1.0976, P1g17.0000, Azm342.0000; N -0.1565, P1g73.0000, Azm163.0000; P -0.9411, P1g0.0000, Azm72.0000.

NEIC 09 10:22:20.3-0.5, 36.219N-0.010-97.574W, 0.009, h5km, 3km, ML4.6, mb4.2/33(NEIC), mb\_Lg4.9/169(NEIC), ML4.7/68(NEIC), MW4.5/125(NEIC), MW4.6/238(NEIC), Error ellipse: s-maj=1.3km s-min=1.0km az=165.0
GCMT 09 10:22:23.0-0.3, 36.23N-0.02-97.52W, 0.03, h25km, 1km, MW4.8/76, Moment Tensor Solution. s8, c9; s7, c9; Duration: 0 Moment tensor: Scale 10^16Nm; Mrr-0.30; Mr-1.46; Mr-1.16; Mss-0.62; Mss-1.8; Mss-1.08; Mr-0.38; Mr-1.6; Best double couple: Mo: 1.8160x10^16 NP1: 0.205, 00000, 884, 00000, -1, 163.00000. NP2: 0.297, 00000, 873, 00000, -1, 7.00000. Principal axes: T 2.0650, P1g17.0000, Azm160.0000; N -0.5000, P1g71.0000, Azm5.0000; P -1.5670, P1g7.0000, Azm252.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 09 10:22:20.1-0.4, 36.25N-0.02-97.54W, 0.03, h10km, n373, c134/265, mb4.1/14, MS4.0/61, Oklahoma

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like CROK, OK02, OK04, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like FW07, APMT, AMTX, etc.





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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Brasilia, Petropavlovsk, Sonseca Array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SMG Samos, KARP Karpathos, MLSS Milas, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MTBS Maitube, ARSB Arslanbob, TNSN Tian-Shan, etc.

IDC 09 10:40:49.9, 1.7, 1.96N, 125:67E, h0km, mb3.3/4, mbtmp3.3/4, MS3.1, Error ellipse: s-maj=195.7km

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

s-min=21.3km az=65.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EKS2 Erkin-Say, ULHL Ulhal, etc.

ISK 09 10:46:22.9, 36:61N, 26:46E, h5km, ML2.2/13

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ARSX Arshary, ARXS Arxsh, etc.

AFAD 09 10:46:22.9, 0.0, 36:62N, 26:37E, h7km, 2km, ML2.1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BODT Bodrum, YAK Yakutsk, GERES GERESS Array, etc.

THE 09 10:46:24.9, 36:68N, 26:48E, h7km, 2km, ML2.5/4, Error ellipse: s-maj=2.8km s-min=0.6km az=15.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KST Kastek, DGS Degeres, etc.

ISC 09 10:46:24.4, 1.1, 36.65N, 0:03, 26.46E, 0:03, h16km, gkm, n29, r053/46, Dodecanese Array

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KK31 Karatay Array, SHLS Shalkode, etc.

Table with 5 columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like KAPS Kapalarasan and KAPS Kapalarasan.

IDC 09 11:15:09.7-2.2, 29.53N:141.15E, h5km, 20km, mb3.4/16, mbmp3.7/19, ML3.2/3, MS2.6/1, Error ellipse: s-maj=24.8km s-min=14.3km az=79.0

ISC 09 11:15:09.0-0.6, 29.48N:0.07:141.2E:0.2, h50km, n23, r153/23, mb3.7/15, Southeast of Honshu

Main station data table for the left page, listing various stations like Chichijima, Hachiojima, MJAR Matsuri Arr, etc., with their respective parameters.

ROM 09 11:39:50.6-0.1, 43.065N:0.003:13.038E:0.005, h10km, ML1.4/12, 3C-1D, Error ellipse: s-maj=0.4km s-min=0.2km az=283.0, Central Italy

Main station data table for the left page, listing various stations like FEMMA Monte Fema, CESI Serrava, etc., with their respective parameters.

Main station data table for the middle page, listing various stations like GUMA Gualdo di Mace, NRCA Norcia, etc., with their respective parameters.

ROM 09 11:40:46.2-0.0, 43.065N:0.002:13.049E:0.004, h10km, ML2.0/30, 4C, Error ellipse: s-maj=0.3km s-min=0.1km az=73.0, Central Italy

Main station data table for the middle page, listing various stations like FEMMA Monte Fema, MDAR Monte D'Aria, etc., with their respective parameters.

FUNV 09 11:42:58.5, 9.30N:70.64W, h5km, MW3.0, RSCN 09 11:42:59.7, 0.0, 9.1N:19.7, h3km, 17km, ML2.3, ISC 09 11:42:56.0-1.7, 9.26N:0.03:70.66W:0.03, h3km, 14km, n15, r1506/29, 2C-2D, Venezuela

Main station data table for the right page, listing various stations like SDV Santo Domingo, SOCVS Socops, SANV Sanarito, etc., with their respective parameters.

MOS 09 11:46:31.7-1.2, 6.49S:105.87E, h48km, mb5.2/30, Error ellipse: s-maj=13.2km s-min=5.2km az=116.4, DJA 09 11:46:33.2, 0.2, 7.2S:101.5E, h59km, 2km, MA, 9/52, mb5.0/52, mb5.4/25, MLV5.1/23, Mw4.9/25, Mw(MBJ)4.9/25, Mw(Mwp)4.5/1, Mw(p)4.9/1, BUJ 09 11:46:33.0, 0.0, 6.90S:105.50E, h70km, mb4.8/46, mb5.1/24, Ms4.4/20, Ms7.4/22, NEIC 09 11:46:34.0, 2.4, 6.98S:0.07:105.53E:0.07, h63km, 7km, mb4.9/68, Error ellipse: s-maj=10.9km s-min=8.8km az=54.0

GCMT 09 11:46:35.0, 0.2, 7.19S:0.02:105.78E:0.02, h51km, 1km, MW5.0/86, Moment Tensor Solution, s60, c79, s86, c11, Duration: 0, Moment tensor: Scale 10^16Nm; M2: 7.6t; 15; Mw>=2.8t; 10; Mw<=1.0t; 13; M1: 1.6t; 09; Mw<=1.2t; 08; Mw>=0.8t; 11; Best double couple: M3: 53400x10^16, NP1: 114.00000, 861.00000, 995.00000; N: 0.5140, Plg4.0000, Azm292.0000; P: -3.7880, Plg16.0000, Azm200.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function.

IDC 09 11:46:37.0-1.4, 6.64S:105.74E, h85km, 11km, mb4.4/26, mbmp4.8/27, MS3.8/4, Error ellipse: s-maj=15.2km s-min=8.1km az=45.0

ISC 09 11:46:34.0-0.4, 6.89S:0.04:105.60E:0.04, h62km, 3km, h63km: pP-P, n393, r157/391, mb5.0/112, 39C-5D, Sunda Strait

Main station data table for the right page, listing various stations like SBJI Serang, SKJI Sukabumi, TNG Tangerang, etc., with their respective parameters.

Table with columns for station name, frequency, power, and other technical details. Includes stations like BASI, EDFI, MMRI, KKM, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like LSA, INKA, MTSU, HTT, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like MDOK, USRK, USRK, etc.



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Table with columns for station name, frequency, and other technical details. Includes stations like TOZ, HATZ, MCHZ, CKHZ, etc.

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Table with columns for station name, frequency, and other technical details. Includes stations like CTAO, CTAO, CTAO, etc.

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Table with columns for station name, frequency, and other technical details. Includes stations like TROLL, LEM, SNA, SNA, etc.







Table with columns: Station, Time, Res, Code. Rows include Carbondale, HNDO, Q4A4, S4ND, L40A, JFW5.

SJA 09 14:06:15.1±0.7,24.00S:66.72W,h239km,6km,ML4.0, MW3.8

IDC 09 14:06:17.4±1.0,23.88S:66.64W,h194km,10km,mb3.3/7, mbtmp3.7/3, Error ellipse: s-maj=15.4km s-min=13.9km az=47.0

NEIC 09 14:06:17.2±1.9,24.04S:0.08E:66.80W,4.0,0.08, h213km,15km,mb4.2/2, Error ellipse: s-maj=13.2km s-min=8.8km az=47.0

VAO 09 14:06:18.4±0.5,23.72S:66.79W,h222km,10km,mb4.0 ISC 09 14:06:17.6±0.6,23.97S:0.04E:66.75W,0.05,h206km,6km,n91,±f120/111,mb3.5/8,1C,Jujujy Province

Main table listing stations, times, residuals, and codes for various seismic events. Includes stations like SLA, AF01, YJA, etc.

Table listing stations, times, residuals, and codes for various seismic events. Includes stations like BDFB, JNAB, SAR, etc.

Table listing stations, times, residuals, and codes for various seismic events. Includes stations like TAP, EGS, TWB1, etc.

Table listing stations, times, residuals, and codes for various seismic events. Includes stations like JMA, IRIF, JKRS, etc.

IDC 09 14:38:45.4±3.0,35.74N:81.29E,h0km,mb3.8/3, mbtmp3.6/8, ML2.9/5, MS3.0/3, Error ellipse: s-maj=52.0km s-min=32.9km az=101.0

ISC 09 14:38:48.1±4.1,35.93N:0.3±81.0E:0.5, h10km,n9,±f135/8, mb3.7/3, Southern Xinjiang

Main table listing stations, times, residuals, and codes for various seismic events. Includes stations like AAK, MKAR, KURBB, etc.

Main table listing stations, times, residuals, and codes for various seismic events. Includes stations like EOSJ, E03S, JYNO, etc.



Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like ENA, ESAO, HWA, ETL, TWC, TEYL, TWD, NACB, SHUL, IRIF, HATJ, ETM, ETM, NDS, EGS, ETLH, ETLH, ESL, ESL, LXIB, EGFG, TWE, LATG, WARBT, ENTT, TWB1, NGDT, HDS, NNSB, NNSB, TIPB, FUSB, JKRS, NNS, NNS, WHF, WHF, EHY, EHY, NWL, SXH, NWF, WFSB, OFD, CHGB, YHNB, YULB, YULB, EYUL, NSK, TW1, VWD, VWD, VWD, JIJ, WUSB, WUSB, TNOU, NFF, EHD, SSLB, EDH, WHP, WCS, SMLT, TWY, JSG, JSG, LIOB, NSTT, TYC, WHYT, LDUT, LDUT, ALS, TWQ1, WNT, TWGT, CHN5.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like TWG, STYH, WCKO, TPUB, CHN4, WTP, WRL, WTK, SGST, CHN1, TWK, SNST, TSMG, SCST, TSCK.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like H10N2, H10N3, H10N1, H10S3, H10S2, TOR, TXAR, PDAR, YKA, YKA, ELK, NEW, NVAR, ILAR.

IDC 09 17:20:0.0, 1.0, 23.53N, 44.94W, hOkm, mb3.8/17, mbmp3.8/17, MS3.4/6, Error ellipse: s-maj=18.5km, s-min=18.5km, az=168.0

NEIC 09 17:20:21.9, 1.1, 23.42N, 0.05, 44.9W, 0.1, h1Okm, 1km, mb4.6/87, Error ellipse: s-maj=23.2km, s-min=5.5km, az=109.0

ISC 09 17:20:22.0, 1.7, 23.4N, 0.1, 44.9W, 0.1, h15km, n115, 0.574/99, mb4.6/61, MS3.4/5, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like MDP, SDV, MDT, H10N2, H10N3, H10N1, H10S3, H10S2, EKA, ATAH, TOR, LPAZ, LPAZ, TAM, TAM, W35A, W35A, L34A, L34A, WMOK, WMOK, APMT, SMWD, FCC, FCC, SGCV, SGCV, POST, POST, MSTX, LVC, LVC, GEC2, GERES, GERES, GERES, TXAR, SDCO, NOA, VRAC, ANMO, HFS, HFS, 121A, 121A, MVO, RLMT, RLMT.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like PD31, PD31, PDAR, PDAR, RDMU, YMP, YMP, DUN6, LKWW, P18A, SRU, SRU, IMW, FXWY, Q16A, TCUT, TCUT, WUAZ, NLU, MVU, EDM, DUG, DUG, BGU, BGU, CCUT, CCUT, HLID, 214A, 214A, SPR3, YKA, YKA, Q12A, MLR, MLR, ELK, FINES, PLID, PLID, MFID, MFID, NEW, AKASG, D08A, NVAR, A36M, BRTR, G31M, H31M, I30M, I30M, J30M, J30M, E28M, E28M, N31M, H29M, D27M, D27M, F28M, F28M, E27K, E27K, M29M, M29M, DAWY, DAWY, BMAR, D25K, D25K, E25K, BCAR, L27K, J26L, PRP, PRP, F24K, F24K, C23K, C23K, G24K, IL31, IL31, ILAR, ILAR, B22K, G23K, D22K, D22K, WRH, H23K, B21K, I23K, RND, G21K, G21K, C19K, C19K, C18K, C18K, BVAR, KURBB, ZALV, WRA.

Table with 12 columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Frobisher Bay, Kangerlussuaq, Pinedale Array, Yellowknife Ar, Keskin Array, Eielson Array.

Table with 12 columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like ASCENSION HYDR4.01, ASCENSION HYDR4.03, ASCENSION HYDR4.03, Torodi Ar, Kesra, Pinedale Array, Yellowknife Ar, Eielson Array.

Table with 12 columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Karatay Array, Keskin Array, Ala-Archa, Abkhal array.

Table with 12 columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like San Pedro de A, San Lorenzo, Limon Verde.

Table with 12 columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like IPOC Station P, IPOC Station P, IPOC Station P, IPOC Station P, IPOC Station P.

Table with 12 columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like IPOC Station P, IPOC Station P, IPOC Station P, IPOC Station P, IPOC Station P.

Table with 12 columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like IPOC Station P, IPOC Station P, IPOC Station P, IPOC Station P, IPOC Station P.

Table with 12 columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like IPOC Station P, IPOC Station P, IPOC Station P, IPOC Station P, IPOC Station P.

Table with 12 columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like IPOC Station P, IPOC Station P, IPOC Station P, IPOC Station P, IPOC Station P.

Table with 12 columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Mina Casimiro, Punta Patache, Copiap, Humberstone, CERRO LA CRUZ, Llanos de Chal, Llanos de Chal.

Table with 12 columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like La Paz, Porto Murtinho, Villa Florida, Serra de San D, San Ignacio, Pontes e Lacer, Londrina, Iturama, Passo Flores.

Table with 12 columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Araguaias, Valinhos, Ipameri, Serra Nova Dou, Brasilia, Januaria, SAO DESIDERIO, Guanu, Lagarto, Lajitas Array.

Table with 12 columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Alice Springs, South Pole Q, Torodi Ar, Pinedale Array, Yellowknife Ar, Alice Springs, Warramunga Arr.

Table with 12 columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Montagnes des, Magueyes Isl, Magueyes Isl, Boa Vista, Santo Domingo, Santo Domingo, Riachuelo.

Table with 12 columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Bolivia, Uta, Rosal, Sadowa, Schefferville, Rosal, Tuculech C, Sonseca Array.

Table with 12 columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like ASCENSION HYDR4.96, ASCENSION HYDR4.96, ASCENSION HYDR4.96, ASCENSION HYDR4.96, ASCENSION HYDR4.96.

Table with 12 columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like ASCENSION HYDR4.96, ASCENSION HYDR4.96, ASCENSION HYDR4.96, ASCENSION HYDR4.96, ASCENSION HYDR4.96.

Table with 12 columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like ASCENSION HYDR4.96, ASCENSION HYDR4.96, ASCENSION HYDR4.96, ASCENSION HYDR4.96, ASCENSION HYDR4.96.

Table with 12 columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Lajitas Array, GRESS Array, GRESS Array, Valguarnera, NORARS Array, Albuquerque, Vranov, Hagfors, Cookes Peak.

Table with 12 columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Red Lodge, Pinedale Array, Pinedale Array, Preston Nutter, San Rafael Swe, Indian Meadow, Fox Creek, Hardware Ranch, Dugway, Big Grassy Mound.

Table with 12 columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Cedar City, Hailey, Oran Pipe Nat, Spring Creek, Spring Creek, New Yellowknife, Yellowknife Ar.

Table with 12 columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Pinacate, Elko, Pearl Lake, Camas Ranch, Camas Ranch, Muntele Rosu, FINES Array.

Table with 12 columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Ryan, Isabella, Yreka Blue Hor, Keskin Array, Newport, Malin Array, Malin Array, Pinyon Flats.

Table with 12 columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Mina Array, Ryan, Isabella, Yreka Blue Hor, Keskin Array, Newport, Malin Array, Malin Array, Pinyon Flats.

Table with 12 columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Ryan, Isabella, Yreka Blue Hor, Keskin Array, Newport, Malin Array, Malin Array, Pinyon Flats.

Table with 12 columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Ryan, Isabella, Yreka Blue Hor, Keskin Array, Newport, Malin Array, Malin Array, Pinyon Flats.

Table with 12 columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Ryan, Isabella, Yreka Blue Hor, Keskin Array, Newport, Malin Array, Malin Array, Pinyon Flats.

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Table with station names, frequencies, and technical details (e.g., SUR Sutherland 83.72 129 LR).

ISN 09 17:47:59.3; 0.7, 34.74N; 45.74E, h 7km, 999km, ML2.7
TEH 09 17:47:59.1; 8.3475N; 0.03-45.74E, h 8km, 55km, ML2.8

Table with station names, frequencies, and technical details (e.g., KGS1 Ghahr-e-Shirin 2.07 208 P).

SJA 09 17:53:37.6; 0.7, 22.52S; 68.20W, h159km, 4km, ML4.4,
MM4.3
IDC 09 17:53:38.4; 0.5, 22.43S; 67.94W, h133km, 4km, mb4.1/12,

NEIC 09 17:53:38.6; 1.9, 22.51S; 0.06-68.09W, 0.8km, h140km, 4km,
mb4.4/35, Error ellipse: s-maj=11.1km s-min=8.8km
az=88.0

VAO 09 17:53:38.7; 0.3, 22.27S; 67.82W, h110km, 4km, mb5.0
GUC 09 17:53:40.6; 0.8, 22.49S; 68.17W, h138km, 4km, ML4.6

ISC 09 17:53:38.1; 0.5, 22.48S; 0.03-68.01W, 0.04, h139km, 4km,
n216, c157/245, mb4.4/26.20, Northern Chile

Main table of station data (left side), including codes, station names, frequencies, and technical details.

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Main table of station data (middle section), including codes, station names, frequencies, and technical details.

9d 18h

Main table of station data (right side), including codes, station names, frequencies, and technical details.

Code Station Name Az AZZ Phase ID Time Res Op ISC h m s ISC

Table with columns: JHD, Station Name, Az, El, Pn, Sn, Time, Res, ISC. Includes stations like Hachioji jima 2, Chichijima, Kuratov Arra, Warramunga Arr, Alice Springs, Finess Array B, NEIC 09, JMA 09, SKHL 09, NIED 09, MOS 09, IDC 09, ISC 09, and various other stations.

Table with columns: PETK, MA2, SEY, YAK, H1N2, H1N1, H1N3, SONM, TIXI, H1S1, H1S3, H1S2, TNA, J14K, L14K, M14K, C16K, G16K, L16K, F17K, M16K, K17K, C18K, M17K, H18K, G18K, L18K, C19K, J18K, F19K, G19K, N18K, TTA, TTA, D19K, H19K, E19K, J19K, B20K, J20K, IMAR, G21K, F21K, H21K, K2AK, K2AK, SKST, D22K, B22K, E22K, K2H, K2H, J23K, NEA2, TOLK, RND, RND, RND, MLY, C22K, H23K, H23K, I23K, NEA2, TOLK, RND, RND, RND, MDM, MDM, KNK, SML, SML, WRH, H24K, CCB, F24K, POKR, POKR, DHY.

Table with columns: HDA, ILAR, ILAR, ILAR, E25K, E25K, FYU, BKU, BMAR, SCRR, J26L, M26K, E27K, G27K, CRQM, K27K, D27M, L27K, BCAR, EGAK, F28M, F28M, E28M, E28M, BARN, BARN, GRNC, GRNC, I28M, I28M, CTGM, CTGM, E29M, H29M, H29M, G29M, G29M, I30M, I30M, MK31, MK31, MKAR, MKAR, J30M, J30M, MAKZ, MAKZ, MAKZ, MAKZ, HYT, G31M, G31M, P29M, INK, INK, INK, H31M, H31M, KURK, KURK, KURB, KURB, M31M, M31M, A36M, A36M, C36M, BVAR, RES, RES, RES, YKA, ABKAR, ARCES, ARCES, SUMG, SUMG, SUMG, OVMT, WRA, GEYT, FINES, FINES, FINES, FINES, FINES, FINES, FINES, FINES, FINES, FINES, FINES, FINES, BOZ, BOZ, BOZ, KVN, KVN, KVN, NVAR, R11B, PD31, PDAR, PDAR.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NOR SAR Array S, HFS Hagfors, NOB000 NOR SAR Array S, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NOR Nord, NOR Nord, NOR Nord, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PLNA, PGB Panagyurishte, PGB PGB, etc.

NEIC 09 18:36:59.8, 0.6, 36.32N, 0.01, 97.55W, 0.01, h10km, 8km, Error ellipse: s-maj=1.7km s-min=1.5km az=159.0

TUL 09 18:36:59.8, 0.7, 36.326N, 0.008, 97.54W, 0.01, h6km, 5km, ML2.4, mb\_Lg2.1, (N)E(C), ML2.5/68(NEIC), Error ellipse: s-maj=1.4km s-min=0.9km az=140.0, Oklahoma

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CROK Carrier, OK048 Pawnee Station, BLOK Blackwell, etc.

MEX 09 18:48:50.8, 0.5, 15.94N, 98.95W, h17km, 20km, MD4.3

ISC 09 18:48:56.2, 1.2, 16.65N, 98.31W, h0km, mb3.2/3, mbmp3.1/7, ML2.9/4, MS2.8/1, Error ellipse: s-maj=88.2km s-min=22.8km az=24.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CRIG Cruz Grande, PNIG Pinotepa, DAIG Los Arroyos, etc.

NEIC 09 19:08:46.5, 1.6, 15.88S, 0.08, 74.4W, 0.1, h35km, 2km, mb4.6/21, Error ellipse: s-maj=18.7km s-min=11.1km az=243.0

ISC 09 19:08:48.4, 1.8, 15.76S, 74.29W, h60km, 15km, mb3.8/11, mbmp4.1/16, MS3.4/21, Error ellipse: s-maj=22.3km s-min=10.8km az=49.0

VAO 09 19:08:49.5, 0.9, 15.81S, 74.16W, h51km, 6km, mb4.6

ISC 09 19:08:47.0, 0.5, 15.85S, 0.06, 74.30W, 0.07, h49km, n134, r130/113, mb4.4/19, MS3.3/19, Near coast of Peru

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NNA Nana, NNA Nana, NNA Nana, etc.

DNK 09 18:38:02.3, 4.3, 82.38N, 6.43W, h38km, 88km, ML1.8 BER 09 18:38:03.4, 1.6, 82.14N, 5.75W, h10km, mb(Pn)3.5, ML1.8(DNK), Confirmed Earthquake

9d 19h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like BDFB, BAUV, MCPB, PCRV, JTS, SDBA, JANB, DIAM, MDP, GDU01, TEIG, CMJG, RCBR, TKL, TXAR, SADO, SDCC, PFO, SZCU, F33A, P18A, MSJU, RDMU, PDAR, ELK, ULM, SNA, DBIC, DBIC, QSPA, FRB, TOAO, TOR, TOR, TOR, VDA, YKA, ESDC, ESDC, TAM, TAM, JMJC, H11N3, H11N2, H11N1, H11S2, H11S1, H11S3, ASAR, BVAR, WAL, ZALV, KURBB, MKAR, MJAR, SONMI, KRSRS.

2018 APR

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like SC01, LOBA2, LDBA2, SDDR, SDDR, SDDR, PODR, REDR, REDR, REDR, CRPR, CRPR, GRTK, GRTK, RSN, BARC, PAMC, RUSC, RUSC, PTBC, OCAC, SPBC, SPBC, ZARC, ZARC, NORC, NORC, ROSC, ROSC, CVER, CVER, VILC, VILC, GUY2C, GUY2C, PTGC, PTGC, CBOC, CBOC, DBBC, DBBC, ARGC, ARGC, ORTC, ORTC, PLMC, PLMC, SJCC, SJCC, CRUC, CRUC, PIZC, PIZC, MACC, MACC, POPC, POPC.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like KNDC, KOTS, KOTS, KOTS, ARLS, ARLS, KST, KST, KST, KST, TKM2, TKM2, ZHN, ZHN, ZHN, UCH, UCH, KBK, KBK, UZB, UZB, UZB, UZB, AAK, AAK, AAK, SHLS, SHLS, SHLS, SHLS, CHMS, CHMS, KTBS, KTBS, PDGK, PDGK, PDGK, PDGK, CHKK, CHKK, CHKK, CHKK, KRBS, KRBS, KRBS, KRBS, EKS2, EKS2, SGDS, SGDS, BLB, BLB, ARXS, ARXS, ARXS, ARXS, MRKS, MRKS, MRKS, MRKS, KNOS, KNOS, DJR, DJR, DJR, DJR, DJR, DJR, BTLS, BTLS, BTLS, BTLS.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Karatay Array, Makanchi Array, DAV Davao City (W), WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, KURBB Kurchatov Arr, BVAR Borovoye Array.

IDC 09 19:32:11.0:1.0,5.82N:124.51E,h0km,mb3.5/5, mbtmp3.5/5, Error ellipse: s-maj=22.7km s-min=14.1km az=118.0, Mindanao

IDC 09 19:44:46.8:1.4,44.83N:106.68W,h0km,mbtmp3.1/2, ML2.7/2, Error ellipse: s-maj=54.5km s-min=9.6km az=138.0

NEIC 09 19:44:46.8:1.9,45.04N:104.106.84W:0.4,h0km,1km, ML2.6/38, Error ellipse: s-maj=7.1km s-min=4.1km az=151.0

ISC 09 19:44:46.9:1.1,45.06N:106.64W:0.05,h0km,n26, c1506/27, Montana

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LASA Array, Red Lodge, Black Hills, Casper, Mirror Lake PI, Norris Junctio, Holmes Hill, Pinedale Array, Long Hollow, Moose Ponds, Indian Meadow, Rawlins, Fox Creek, Red Top Meadow, Teton Pass, Bozeman (W), Eagleton, DCMT Dagmar, PHWY Pilot Hill, Red Feather La, LAC DU BONNET, Lac du Bonnet, Kurchatov Arr, Borovoye Array.

IDC 09 19:49:56.5:1.8,726S:155.92E,h0km,mb4.0/8, mbtmp4.0/8, MS3.9/2, Error ellipse: s-maj=59.1km s-min=26.8km az=103.0, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, JOW Kunigami, MJAR Matsushiro Arr, SONM Sogino Array, GSPA South Pole Qui, MKAR Makanchi Array, ZALV Zalesovo Beam, KURBB Kurchatov Arr, BVAR Borovoye Array.

TAP 09 19:59:15.2,24.89N:122.05E,h109km,ML2.6,C JMA 09 19:59:15.9:0.1,24.8N:0.4:122.0E:0.2,h105km,1km, MV2.0/11, TAIWAN REGION

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like n104,0891/200,12C,Taiwan region, EGS, TWB1, TWB1, TIPB, TIPB, SX11, SX11, ILA, ILA, NWF, NWF, WFSB, WFSB, TWC, TWC, ESAO, ESAO, TNOU, TNOU, TWE, TWE, NDS, NDS, TWA, TWA, FUSB, FUSB, EOS2, EOS2, ENT, ENT, EWUT, EWUT, NWLT, NWLT, ENA, ENA, NDT, NDT, ANP, ANP, LATG, LATG, TWS1, TWS1, EAHA, EAHA, YHNB, YHNB, EOS3, EOS3, NSK, NSK, NNT, NNT, NNS, NNS, NNSB, NNSB, NCUH, NCUH, EOSA, EOSA, ETL, ETL, NACB, NACB, ETLH, ETLH, NFF, NFF, TWD, TWD, JYNG, JYNG, LIOB, LIOB, SBCB, SBCB, YOJ, YOJ, YOJ, YOJ.

Table with columns: NSTT, Nanjuang, Time, Res, Pn. Includes stations like Nanjuang, HWA, TWT, TWT, TDCB, TDCB, WHF, WHF, LXIB, LXIB, LXIB, LXIB, ETM, ETM, TEYL, TEYL, TEYL, TEYL, CHGB, CHGB, WHP, WHP, SHUL, SHUL, SHUL, SHUL, OWD, OWD, WUSB, WUSB, WUSB, WUSB, TWQ1, TWQ1, TWQ1, TWQ1, WARBT, WARBT, WCS, WCS, WCS, WCS, DPDB, DPDB, DPDB, DPDB, EGFH, EGFH, EGFH, EGFH, VVDT, VVDT, VVDT, VVDT, SMLT, SMLT, SMLT, SMLT, TYC, TYC, TYC, TYC, SSLB, SSLB, SSLB, SSLB, HGSD, HGSD, EHY, EHY, EHY, EHY, WNT, WNT, WNT, WNT, WHYT, WHYT, WHYT, WHYT, IRIF, IRIF, IRIF, IRIF, YULB, YULB, YULB, YULB, YULB, YULB, TWF1, TWF1, TWF1, TWF1, ALS, ALS, ALS, ALS, CHN5, CHN5, CHN5, CHN5, FULB, FULB, FULB, FULB, WDLH, WDLH, WDLH, WDLH, EHD, EHD, EHD, EHD, JKRS, JKRS, JKRS, JKRS, WTK, WTK, WTK, WTK, ELDTW, ELDTW, ELDTW, ELDTW, WCKO, WCKO, WCKO, WCKO, JIJ, JIJ, JIJ, JIJ, EDH, EDH, EDH, EDH, CHN4, CHN4, CHN4, CHN4, TPUB, TPUB, TPUB, TPUB.



Table of meteorological data for station 601, including station name, coordinates, and various meteorological parameters like wind speed, direction, and temperature.

Table of meteorological data for station AKASG, including station name, coordinates, and various meteorological parameters like wind speed, direction, and temperature.

Table of meteorological data for station TERO, including station name, coordinates, and various meteorological parameters like wind speed, direction, and temperature.

ROM 09:20:18.577.0.1, 42.759N, 0.003.13.252E.0.005, h12km, 1.14/20.2D, Error ellipse: s-maj=0.4km s-min=0.1km az=266.0, Central Italy

Table with columns: T, comp=N, AML, AML, 0.11 91, P, S, S, AML, 20 19 00.9 +0.2, 20 19 03.1 +0.2, 0.13 306, P, P, S, AML, 20 19 01.2 +0.2, 20 19 03.6 +0.2, 0.15 21, P, P, S, AML, 20 19 01.5 +0.1, 20 19 04.3 +0.3, 0.16 344, P, P, S, AML, 20 19 01.8 +0.2, 20 19 04.8 +0.4, 0.22 225, P, P, S, AML, 20 19 02.9 +0.5, 20 19 06.9 +1.1, 0.25 186, P, P, S, AML, 20 19 03.5 +0.4, 20 19 07.7 -0.9, 0.28 34, P, P, S, AML, 20 19 04.0 +0.6, 20 19 09.0 -0.3, 0.29 118, P, P, S, AML, 20 19 04.0 +0.3, 20 19 08.4 +0.6, 0.30 336, P, P, S, AML, 20 19 04.1 +0.2, 20 19 04.5 +0.4, 0.31 11, P, P, S, AML, 20 19 09.9 -0.3, 0.32 289, P, P, S, AML, 20 19 04.2 +0.1, 0.34 354, P, P, S, AML, 20 19 04.6 +0.1, 0.35 314, P, P, S, AML, 20 19 05.0 +0.1, 0.30 336, P, P, S, AML, 20 19 04.1 +0.2, 0.31 11, P, P, S, AML, 20 19 09.9 -0.3, 0.32 289, P, P, S, AML, 20 19 04.2 +0.1, 0.34 354, P, P, S, AML, 20 19 04.6 +0.1, 0.35 314, P, P, S, AML, 20 19 05.0 +0.1

SOME 09 20:27:32.8, 48°68'N, 81°90'E, h0km, mb2.9, mpv2.6, NNC 09 20:27:33.6, 4.6, 48.71N, 82.22E, h0km, mb2.9, mpv2.6, 3C-3D, Error ellipse: s-maj=63.2km s-min=14.1km az=69.0, Eastern Kazakhstan

Code Station Name Az Az' Phase ID Time Res h m s ISC 1.91 185 P Pg 20 28 07.9 +0.5 2.13 324 eP Pb 20 28 12.7 -0.5 2.17 124 eP Pb 20 28 12.7 -1.1 3.07 310 P Pg 20 28 29.3 +0.3 3.08 312 P Pg 20 28 32.1 -0.5 2.77 189 IAML Pb 20 32 49.6 -2.1 3.12 349 Pn Pb 20 32 54.3 +2.7 3.14 166 Pn Pb 20 32 55.7 -2.3 3.18 299 Pn Pb 20 32 54.7 +2.1 3.20 256 Pn Pb 20 32 55.4 +2.6 3.20 256 Pn Pb 20 32 54.7 -1.5 3.20 256 Pn Pb 20 32 55.8 +2.9 3.63 289 Pn Pb 20 33 03.8 -2.5 3.64 136 Pn Pb 20 33 03.7 -2.6 3.82 271 IAML Pb 20 33 05.0 +3.7 3.85 283 Pg 20 33 13.6 -1.2 3.90 278 IAML Pn 20 33 06.0 +3.6 3.92 274 Pn Pb 20 33 06.2 +3.5 4.01 268 Pn Pb 20 33 16.5 -1.5 4.06 276 IAML Pb 20 33 10.2 -3.4

TPAW Teton Pass 4.07 270 Pn 20 33 08.3 +3.4 4.12 288 Pn 20 33 08.1 +2.5 4.12 272 IAML 20 33 09.1 +3.6 4.29 260 Pn 20 33 10.8 +2.9 4.38 227 IAML 20 34 34.2 4.62 196 IAML Pg 20 33 28.2 -1.3 4.89 296 Pn Pb 20 33 18.6 +2.5 4.90 9 Pn 20 33 18.8 +2.7 5.43 224 Pn Pb 20 33 27.2 +3.7 9.15 41 Pn Pb 20 33 35.7 0.0 9.26 41 Pn Pb 20 34 15.3 -0.4 5.00 28 Pn Pb 20 36 49.3

IDC 09 20:43:50.2, 0.8, 23°01'N, 144°28'E, h0km, mb3.8/17, mbtmp3.9/19, ML3.5/2, MS3.0/10, Error ellipse: s-maj=26.9km s-min=15.5km az=81.0, NEIC 09 20:43:51.2, 1.2, 23°00'N, 09°14'41"E, 0.2, h10km, 1km, mb4, 4/21, Error ellipse: s-maj=27.7km s-min=15.0km az=78.0

IDC 09 20:43:52.0, 0.6, 23°09'N, 0°07'14"E, 0.1, h10km, n55, c1547/47, mb4.2/27, MS3.0/5, Volcano Islands region

BVAR Borovoye Array 62.20 319 P P 20 54 14.4 +0.6 62.68 33 P P 20 54 20.1 +2.9 74.82 28 P P 20 55 31.0 -1.5 81.59 52 P P 20 56 11.5 +0.6 82.04 314 P P 20 56 13.1 +0.3 82.31 335 P P 20 56 13.3 -0.5 87.97 339 LR LR 21 40 46.7

IDC 09 21:02:20.6, 2.2, 173°S, 127°50'E, h0km, mb3.3/2, mbtmp3.3/3, ML3.5/1, Error ellipse: s-maj=151.0km s-min=28.0km az=67.0, Halmahera

IDC 09 21:10:22.4, 5.9, 31°29'S, 178°02'W, h0km, mb3.7/2, mbtmp3.7/2, Error ellipse: s-maj=345.1km s-min=55.0km az=157.0, Kermadec Islands region

IDC 09 21:19:50.0, 0.8, 6°33'S, 143°01'E, h0km, mb4.0/11, mbtmp4.0/13, ML2.0/1, Error ellipse: s-maj=30.9km s-min=16.8km az=74.0

IDC 09 21:19:55.4, 0.6, 6°52'S, 0°07'142.81E, 0.08, h35km, n25, c28/27, mb4.0/11, New Guinea

GENI Genyem 4.71 326 P Pn 21 21 03.5 -0.5 5.17 124 Pn Pb 21 21 09.9 -0.4 5.71 124 Pn Pb 21 22 07.9 -1.0

SAUI Saumlaki 11.51 262 P Pn 21 22 37.8 +0.4 11.89 238 P Pn 21 22 41.5 -1.0 13.11 241 P Pn 21 23 18.2 +0.0 15.67 211 Pn Pb 21 23 32.8 -0.1

QSPA South Pole Quik 83.45 180 P P 21 32 20.1 +0.9 84.52 343 P P 21 32 24.5 +0.1 84.52 343 P P 21 32 24.5 +0.1 84.52 343 P P 21 32 24.5 +0.1

JMA 09 21:21:43.9, 0.3, 24°1'N, 08°123.8E, 0.7, h23km, 1km, MV0.78, NEAR ISHIGAKIJIMA ISLAND, Southwestern Ryukyu Islands

TAP 09 21:22:37.1, 24°00'N, 121°38'E, h8km, ML1.6, 1D, D, Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include: ETLH Xiulin Townshi, LXIB Xiulin Townshi, ESL Shilin, ENA Nanau, WARBT Fenglin Townsh, WHF Hehuan Shan, FUSS Fushou, FUSS Fushou, NNSB Datong, NNSB Datong, OWD Renai, CHGB Renai, LATG Datong, NNS Nan Shan, HGSD Ruisui, TWT Taohien, WUSB Renai, WUSB Renai, TDCB Tech, TDCB Tech, NDT Datong Townshi, NDT Datong, VWDV Datong, ENTT Nioudou, ENTT Nioudou, YULB Yu-li, YULB Yu-li, YHNB Yeheng, FUSB Fushanzhiwuyua, FUSB Fushou, NUSK Sanguang, NSK Sanguang, TWF1 Yuli, DPDB Guoxing, SSLB Suanglung, SSLB Suanglung, NWLT Wulai, NWLT Wulai, WHP Taichung City, WHP Taichung City, SMLT Sun Moon Lake, SMLT Sun Moon Lake, NFF Wufeng Townshi, NFF Wufeng Townshi.

IDC 09 21:25:16.7-1.5, 41.02N:140.12E, h156km, 16km, mb3.4/8, mbmp3.8/10, Error ellipse: s-maj=22.4km s-min=13.6km az=98.0

NEIC 09 21:25:16.9-1.9, 41.03N:140.04E:0.1, h152km, 8km, mb4.0/15, Error ellipse: s-maj=16.4km s-min=2.6km az=109.0

JMA 09 21:25:17.3-0.1, 41.11N:140.11E:0.8, h157km, 1km, MV3.3/38, W OFF AOMORI PREF

ISC 09 21:25:16.7-0.7, 41.03N:140.04E:0.06, h159km, 5km, n62, r198/73, mb3.8/16, Hokkaido region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include: JSI2 Shiura 2, JHHS Hirosakiyahakuz, JIWW Iwasaki, JOMM Oshimamatsumae, JSR Shiriuchi, JTM Tenmabayashi, JTM Tenmabayashi, JOT Ohata, JAH Hinai, JYM2 Yakumo 2, JKB Kayabe, JOSM Okushiri-Mats, JANG Nango, JOM Ohasama, JYK Kaneyama, JMK Ichinoseki, JNBK Urukawa-nobuka, JNBK Urukawa-nobuka, ERM Ermo, ERM Ermo, JMM Marumori, JMM Marumori, JSD Sado, JSD Sado, ASAJ Asahikawa, ASAJ Asahikawa.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include: JKA Kamikawa-asahi, MJJB Matsu-Tunnel, MAJO Matsushiro, MAJO Matsushiro, MJAR Matsushiro Arr, JGF Kuroka, JGF Kuroka, YSS Yuzh-Sakhalins, JHJ2 Mitsune, SONM Sognino Array, ZALV Zalesovo Beam, CRAI Chiangrai, MK31 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, MAKZ Makanchi, MAKZ Makanchi, KURK Kurchatov, KURK Kurchatov, KURRB Kurchatov Arr, J20K Novaita River, IMAR Indian Mountain, ILAR Eielson Array, BVAR Borovoye Array, E28M Babbage River, G31M Satah River, G31M Satah River, GAR Garm, GAR Garm, ABKA Abuk array, KNRA Kununura, WB0 Warramunga Arr, WB2 Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, FINES FINES Array B, FINES FINES Array B, NOA NORSTAR Array B, BURAR Bucovina Array, SNAAS Sanae.

NEIC 09 21:26:40.2-0.4, 36.717N:0.007-99.40W:0.03, h5km, 2km, Error ellipse: s-maj=4.7km s-min=2.9km az=280.0

TUL 09 21:26:40.5-0.7, 36.72N:0.002-99.38W:0.04, h4km, 6km, ML2.8, mb Lg2.7/53(NEIC), ML3.0/14(NEIC), Error ellipse: s-maj=5.0km s-min=2.4km az=122.0, Oklahoma

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include: U32A Winter Ranch, U32A Winter Ranch, U32A Winter Ranch, OK035 E0210 Rd and N, OK035 E0210 Rd and N, OK038 West end E0370, OK038 West end E0370, ELIS Ellis County, ELIS Ellis County, ELIS Ellis County, OK032 Salt Plains WL, OK032 Salt Plains WL, OK032 Salt Plains WL, OK032 Salt Plains WL, CROK Carrier, CROK Carrier, CROK Carrier, KAN14 Manchester OK, CSTR Custer, GC02 Grant County #, GC02 Grant County #, KAN08 Anthony NE Sta, KAN12 Harper NE Sta, KAN09 Argonia West S, KAN01 Caldwell West, KAN01 Argonia South, KAN09 Caldwell North, KS21 Milan North St, KAN13 South Haven SW, EL0K Blackwell, SMWD Samnorwood, R32A Long Quarter, WMOK Wichita Mounta, WMOK Wichita Mounta.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include: OK051 E0350 and S346, CBKS Cedar Bluff, OK052 Battle Ridge R, T35A Sooner Cattle, W35A Tecumseh, RTBA Rita Blanca, TUL3 Leonard, WTF5 Wichita Falls, WTF5 Love County, L00K Blackwell, DKNS Dickens, KSCO Kaye Shedlock, APMT Aspermont, Z35A Perchaven, San, FN03 Perrin-Whitt E, SN07 Snyder 07, X37A Clayton, PLPT Palo Pinto, U36A Gravelite, FW06 Azle, SN05 Snyder 5, POST Post, T25A Trinidad, ABTX Abilene, Hawle, OGNB Ogallala, OGNB Ogallala, S39A Bolivar, WHTX Lake Whitney, Q24A Divide.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include: MIAR Mount Ida, MIAR Mount Ida, MGMO Mountain Grove, X40A Basin Creek Fa, R40A Maddies Station, WHAR Woolly Hollow, WHAR Woolly Hollow, K30B Basset, OZNA Ozona, N23A Red Feather La, CCM Cathedral Cave, FVM French Village, ECSD EROS Data Cent.

IDC 09 21:28:59.6-1.2, 31.43N:50.20E, h0km, mb3.7/12, mbmp3.7/15, ML3.3/3, Error ellipse: s-maj=25.3km s-min=17.9km az=3.0

TEH 09 21:29:00.0, 31.50N:50.25E, h7km, 469km, ML3.5, OMAN 09 21:29:03.7-0.8, 31.32N:50.38E, h10km, mb3.8/14, Error ellipse: s-maj=8.0km s-min=5.3km az=26.0

ISC 09 21:29:00.7-0.5, 31.47N:0.03:50.26E:0.03, h10km, n82, az=222/103, mb3.8/12, Northern and central Iran

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include: ZNGN Zangian, JHBN Jahran bin, IBRJ Brojen, KLNJ Kolanjah, IPIR Pirpir, AHWZ Ahwaz, IGHAR Gharraf, IRAM Rameshah, IKLH Kolahrood, KAZZ Kazeroon-Fars-I, IZEF Zefreh, AHBU AHRAH, IGHAR Gharraf-mosalm, IDOB Doab, ISAD Sadrabad, HSAM Samen, KBD Kabd, GBU Gharraf - Busha, ISFB Seifabad, ANAR Anarak, IQOM Qom, HAGD Ahgadhah, ICHK Chekchek, IMEH Mehriz, QIRI Qiri, IRAZ Razeghan, ILBA Ilam Banvizeh, IDMV Damavand, ILAS Lasajerd, IBAF Babaf, IFIR Firoozkooh, KGS1 Ghasr-e-Shirin, IPRN Peran, SAKB Bahrain, SHMA Al-Shehemyia, SHMA Al-Shehemyia, SHMA Al-Shehemyia, SHMA Al-Shehemyia, TPRV Parvadeh(Tabas), SHMO Ghaleghah, NASTAJ Nastaaj, TKDS Koohdasht(Taba), SMRA Abu-Samra, SMRA Abu-Samra, TRNA Turayna, TRNA Turayna, JRN Jarnain Island, JRN Jarnain Island, SHME Shamm, SHME Shamm, IKOO Kooshah, MASF Masafi, MASF Masafi, MDH Madha, MDH Madha, ASUD Al Ashush, Dub, ASUD Al Ashush, Dub, ASUD Al Faqa, Dubai, FAQ Al Faqa, Dubai, UOSS Minazif, UOSS Minazif, HATD Hatta, Dubai, HATD Hatta, Dubai, ASHO Ashiyah, ASHO Ashiyah, ALNE Al Ain, ALNE Al Ain, RAYN Ar Rayn, RAYN Ar Rayn, GEYT Alibeck, GEYT Alibeck, SOHO Soho, SOHO Soho, ARO Araqi, ARO Araqi, BSY Bisya, BSY Bisya, SMDO Samad, SMDO Samad, WSAR Wadi Sarin, WSAR Wadi Sarin, WSAR Wadi Sarin, JMDJ Jalal Madar, JMDJ Jalal Madar, WBK Wadi Bani Khal, JLN Jlan Bani Buh, JLN Jlan Bani Buh, MHTO MHTO, MHTO MHTO, DOK Doka, WHFO Wadi Hawf, AYBT Aybut, DMTO DMTO, BRTR Keskin Array B, AKTO Aktyubinsk, BELG Belgoroye, BELG Belgoroye, IDI Anoyia, AKAS Malin Array B, BVAR Borovoye Array, KURRB Kurchatov Arr, MKAR Makanchi Array, MKAR Makanchi Array, ZALV Zalesovo Beam, FINES FINES Array B.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include: U32A Winter Ranch, U32A Winter Ranch, U32A Winter Ranch, OK035 E0210 Rd and N, OK035 E0210 Rd and N, OK038 West end E0370, OK038 West end E0370, ELIS Ellis County, ELIS Ellis County, ELIS Ellis County, OK032 Salt Plains WL, OK032 Salt Plains WL, OK032 Salt Plains WL, OK032 Salt Plains WL, CROK Carrier, CROK Carrier, CROK Carrier, KAN14 Manchester OK, CSTR Custer, GC02 Grant County #, GC02 Grant County #, KAN08 Anthony NE Sta, KAN12 Harper NE Sta, KAN09 Argonia West S, KAN01 Caldwell West, KAN01 Argonia South, KAN09 Caldwell North, KS21 Milan North St, KAN13 South Haven SW, EL0K Blackwell, SMWD Samnorwood, R32A Long Quarter, WMOK Wichita Mounta, WMOK Wichita Mounta.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include: OK051 E0350 and S346, CBKS Cedar Bluff, OK052 Battle Ridge R, T35A Sooner Cattle, W35A Tecumseh, RTBA Rita Blanca, TUL3 Leonard, WTF5 Wichita Falls, WTF5 Love County, L00K Blackwell, DKNS Dickens, KSCO Kaye Shedlock, APMT Aspermont, Z35A Perchaven, San, FN03 Perrin-Whitt E, SN07 Snyder 07, X37A Clayton, PLPT Palo Pinto, U36A Gravelite, FW06 Azle, SN05 Snyder 5, POST Post, T25A Trinidad, ABTX Abilene, Hawle, OGNB Ogallala, OGNB Ogallala, S39A Bolivar, WHTX Lake Whitney, Q24A Divide.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HFS Hagfors, NOA NORRA Array B, CMAR Chiang Mai Arr, TORO Torodi Ar. Bea, KSRS Korea Array.

IDC 09 21:43:08.0.0.9, 31.58S; 177.85W, h0km, mb4.0/5, mbmp4.1/6, ML4.4/1, MS3.2/6, Error ellipse: s-maj=28.6km s-min=22.0km az=100.0

NEIC 09 21:43:09.5.2.8, 31.52S; 0.08; 177.8W, 0.2, h10km, 1km, mb4.4/10, Error ellipse: s-maj=28.5km s-min=12.9km az=100.0

ISC 09 21:43:12.6.0.8, 31.59S; 0.08; 177.8W, 0.2, h35km, n40, s1506/35, mb4.3/10, MS3.2/4, Kermadec Islands region

Main table for 9d 22h section, listing various seismic stations and their parameters.

NEIC 09 21:43:39.0.1.2, 43.58N; 0.05; 105.35W, 0.05, h0km, 1km, ML2.7/36, Error ellipse: s-maj=9.5km s-min=5.7km az=165.0

IDC 09 21:43:39.8.2.2, 43.51N; 105.43W, h0km, mbmp2.9/2, ML2.7/2, Error ellipse: s-maj=46.8km s-min=10.2km az=153.0

ISC 09 21:43:38.3.1.0, 43.49N; 0.04; 105.41W, 0.05, h0km, n22, s181/21, Wyoming

Table listing seismic stations in Wyoming, including Casper, Black Hills, Pilot Hill, Rawlins, Feather Lake, Pinedale Array, Red Lodge, LASA Array, Mirror Lake PI, Long Hollow, Flagg Range, Moose Ponds, White River CI, Indian Meadow.

Table listing seismic stations in the Pacific region, including Fox Creek, Red Mountain, Hardware Ranch, LAC DU BONNET, Lac du Bonnet, ULM.

IDC 09 22:04:34.1.16.0, 54.61S; 119.74W, h0km, mb3.8/4, mbmp3.8/4, MS3.6/5, Error ellipse: s-maj=448.8km s-min=57.2km az=51.0, Southern East Pacific

Main table for 2018 APR section, listing various seismic stations and their parameters.

IDC 09 22:07:56.3.4.2, 18.81S; 168.96E, h151km, 34km, mb3.6/6, mbmp4.1/7, Error ellipse: s-maj=33.9km s-min=30.8km az=38.0

NOU 09 22:07:57.1, 18.91S; 169.04E, h129km, MLV4.3/8, Vanuatu Islands

NEIC 09 22:07:57.3.2.4, 19.00S; 0.07; 169.03E, 0.10, h149km, 8km, mb4.1/13, Error ellipse: s-maj=16.2km s-min=4.2km az=126.0

ISC 09 22:07:56.0.0.8, 18.90S; 0.10; 169.0E, 0.1, h147km, n39, s1805/40, mb4.0/12, Vanuatu Islands

Main table for 2018 APR section, listing various seismic stations and their parameters.

IDC 09 22:27:47.1.1.6, 29.10S; 70.19W, h0km, mb3.8/1, mbmp3.8/1, Error ellipse: s-maj=166.8km s-min=74.4km az=144.0

GUC 09 22:27:56.3.0.8, 28.36S; 70.72W, h61km, 3km, ML3.7

ISC 09 22:27:55.6.0.9, 28.36S; 0.03; 70.74W, 0.07, h64km, 7km, n21, s1924/31, 6C-3D, Central Chile

Main table for 2018 APR section, listing various seismic stations and their parameters.

CNRM 09 22:33:33.6, 36.21N; 7.89W, h6km, ML1.6

MDD 09 22:33:36.9.0.6, 36.27N; 7.95W, h30km, mb. Lq3.2/7, Error ellipse: s-maj=5.6km s-min=3.9km az=43.0

INMG 09 22:33:36.9.1.5, 36.22N; 8.11W, h37km, 96km, ML1.7, Error ellipse: s-maj=7.0km s-min=4.7km az=64.0

IGL 09 22:33:36.5, 36.21N; 8.13W, h46km, ML1.3

SFS 09 22:33:37.4, 36.40N; 7.98W, h40km, ML2.5/6, ML2.5/6

ISC 09 22:33:35.2.1.6, 36.25N; 0.06; 7.98W, 0.05, h69km, 18km, n40, s1950/67, Strait of Gibraltar

Main table for 2018 APR section, listing various seismic stations and their parameters.

Table with columns: Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PESTR Estremoz, ECAB El Cabril, etc.

FUNV 09 22:46:11.3, 10.82N:62.30W, h81km, MW3.7
TRN 09 22:46:12.3, 10.85N:62.35W, h64km, MD3.2, North of the
Paria peninsula

ISC 09 22:46:08.7-1.4, 10.76N:0.05:62.36W, 0.04,
h106km, 12km, n16, c19:67.28, Near coast of Venezuela

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CRUV Carupano, TRN Trinidad (W), etc.

ISC 09 22:52:47.2-4.3, 11.06S:118.16E, h0km, mb3.7/1,
mbtm3.5/4, ML3.7/3, Error ellipse: s-maj=76.1km
s-min=29.5km az=41.0, South of Sumbawa

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BATI Baumata, WRA Warrungarra Arr, etc.

ISC 09 23:04:49.1-1.3, 62.35S:154.79E, h0km, mb3.9/2,
mbmp4.0/3, ML4.1/1, MS3.9/25, Error ellipse:
s-maj=108.9km s-min=32.8km az=69.0

GCMT 09 23:04:55.0-0.4, 62.19S:0.02:154.70E, 0.05, h13km, 2km
MW4 Tensor Solution, s12.c13, 673.035;
Duration: 0 Moment tensor: Scale: 10^16Nm; Mm:01.09;
Mw:1.47; 09; Mw:1.48; 09; Mw:0.84; 29; Mw:1.02; 09;
Mw:0.86; 33; Best double couple: M2:14300.01;
NP1:0.333,00000; 885.00000; 132.00000; NP2:
0.240,00000; 858.00000; 175.00000; Principal axes:
T 2.2940, Plg26.0000, Azm201.0000; N -0.3070,
Plg58.0000; Azm340.0000; P -1.9920, Plg19.0000;
Azm102.0000; nst1 refers to body waves, cutoff=40s.
nst2 refers to surface waves, cutoff=50s. Surface wave
location Triangular moment-rate function

ISC 09 23:04:50.4-1.1, 62.35S:0.2:155.0E, 0.5, h10km, n43,
c19:107.11, mb4.0/3, MS3.9/24, Baileny Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VVDA Vanda, RPZ Rata Peaks, etc.

Table with columns: Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H03N3 Juan Fernandez, H03N2 Juan Fernandez, etc.

ISC 09 23:11:33.6-0.7, 14.00N:92.96E, h0km, mb4.0/19,
mbmp4.0/21, ML3.6/2, MS3.1/3, Error ellipse:
s-maj=22.0km s-min=15.9km az=61.0
NEIC 09 23:11:38.1-1.0, 13.93N:1.932:8E:0.1, h29km, 7km,
mb4.0/10, Error ellipse: s-maj=20.2km s-min=15.6km
az=57.0

NDI 09 23:11:41.0-2.5, 14.01N:92.63E, h10km, ML4.0, MW3.8,
mb4.0(NEIC)

ISC 09 23:11:39.0-0.5, 14.13N:0.05:93.01E:0.08, h32km, n44,
c19:109/42, mb4.0/3, Andaman Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DGPR DIGLIPUR, PBA Port Blair, etc.

Table with columns: Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BOSA Boshof, EKA Eskdalemuir Ar, etc.

HEL 09 23:07:07.5-0.5, 67.87N:20.52E, h0km, ML1.2, Suspected
explosion
UPP 09 23:30:05.4-0.1, 67.82N:20.19E, h5km, 4km, ML2.2, 1C-1D,
Unknown, Sweden

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KUA Kuravaara, RATU Laukkulupa, etc.

NEIC 09 23:37:00.8-1.6, 18.81S:0.09:169.7E:0.2, h248km, 9km,
mb4.1/4, Error ellipse: s-maj=28.5km s-min=11.4km
az=101.0

ISC 09 23:37:03.6-4.7, 18.97S:169.48E, h266km, 32km, mb3.2/5,
mbtm3.8/6, Error ellipse: s-maj=52.9km s-min=29.4km
az=93.0

ISC 09 23:37:01.0-0.9, 18.9S:0.1:169.7E:0.2, h246km, n17,
c12:17/17, mb3.8/7, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LIFNC LIFOU, MARC Mare, Loyalty, etc.

JMA 10 00:01:22.4-0.3, 24.24N:122.52E:0.6, h13km, 4km,
MV2.4/13, NW OFF ISHIGAKIJIMA IS
TAP 10 00:01:23.8, 24.06N:122.49E, h20km, ML2.8, C
ISC 10 00:01:22.7-1.2, 23.96N:103.122:49E:0.02, h17km, 9km,
n55, 0:64/69, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like E0S4 E0S4, E0S3 E0S3, etc.

Table with columns: TWC, Suao, 0.87 318 P, Pb, 00 01 39.0 -0.3, etc. Includes various station codes and coordinates.

Table with columns: MLSB, Milas, 0.85 79 Pg, Pn, 00 20 59.7 +0.4, etc. Includes station codes and coordinates.

Table with columns: KSL, AKAS, Kas, 1.20 65 S, S, 00 32 44.5 +0.1, etc. Includes station codes and coordinates.

AFAD 10 00:32:02.0.0.35:51N:28:15E, h7km, 3km, MW3.9
Gll 10 00:32:03.8.0.5.35:83N:28:19E, h5km, MWS3.5,
confirmed
IDC 10 00:32:05.0.5.35:64N:28:30E, h0km, mb3.7/13,
mbmp3.7/24, ML3.7/9, MS3.0/10, Error ellipse:
s-maj=15.9km s-min=11.5km az=178.0
NIC 10 00:32:06.1.35:79N:28:25E, h8km, 2km, M13.5/11
THE 10 00:32:06.6.35:77N:28:21E, h0km, 1km, ML3.3/5, Error
ellipse: s-maj=3.7km s-min=1.6km az=190.0
ISK 10 00:32:06.4.35:82N:28:20E, h6km, ML3.6/23
ATH 10 00:32:07.4.35:85N:28:23E, h7km, 1km, ML3.5/15,
Manual Solution by M.Kolligri This location: 2020/05/20
0.0/0.4 ML Amplitudes are expressed in micrometers, All
distances are expressed in degrees Latitude uncertainty: 2
km; Longitude uncertainty: 1 km
ISC 10 00:32:06.1.1.2.35:74N:0.03:28:25E:0.02, h1km, 8km,
n184, e122/215, mb3.6/13, MS3.3/4, 1D, Eastern
Mediterranean Sea



Table listing station codes, names, coordinates, and signal metrics (Time, Res, h, m, s, ISC) for various stations like GUR, GOURA, GEM, etc.

Table listing station codes, names, coordinates, and signal metrics (Time, Res, h, m, s, ISC) for stations like FDMO, CESP1, CSPP1, etc.

Table listing station codes, names, coordinates, and signal metrics (Time, Res, h, m, s, ISC) for stations like MLPR, CRPR, MBFL, etc.

ROM 10:00:33:50.1.0.1, 43.057N,0.0055-13.042E,0.006, h9km,ML1,3/4,4C-1D,Error ellipse: s-maj=0.6km s-min=0.4km az=119.0,Central Italy

RSNC 10 01:01:01:0.6:0.0,7N,2.7-73W,1, h145km,gkm,mb3.5, mB5.5,ML2.6,Mw(mB)4.9,Northern Colombia

10d 1h

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like MLPR Magueyes Islan, CRPR Cabo Rojo, CRPR Cabo Rojo, CRPR Cabo Rojo, CRPR Cabo Rojo, CRPR Cabo Rojo, CRPR Bethesda, ANBD Bethesda.

SJA 10 01:12:47.0.2.72.92S:66.51W, h242km, 5km, ML3.4, MW3.5

GUC 10 01:12:50.0.0.6.22.96S:66.62W, h221km, 6km, ML3.2

ISC 10 01:12:47.0.2.1.22.97S:0.05:66.58W, 0.06, h243km, 15km, n36, c1960/58, 5C-1D, Jujuy Province

Main table of station data with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists numerous stations including YJA, SLA, LVC, PB09, PB06, FSA, GO02, PB14, PATCX, HMBC, GO01, TA01, PB11, AC01, PB16, BNDI, SAU, FAKI, NLAJ, SWI, SANI, LBMI, MTN, SOEI, BATI, BFI, KNRA, WRA, WRA, WRA, K15K, L18K, I07A, K17K.

IDC 10 01:14:28.7.1.8.5.93S:130.15E, h0km, mb4.0/4, mbmp4.0/6, ML4.0/2, MS4.0/3, Error ellipse: s-maj=109.7km s-min=27.1km az=70.0

NEIC 10 01:14:42.4.1.5.6.24S:0.08:130.34E, 0.08, h132km, 8km, mb4.2/11, Error ellipse: s-maj=13.3km s-min=9.0km az=130.0

DJA 10 01:14:43.6.0.3.6.3.S:3.131E, h146km, 9km, M4.3/11, mb5.2/3, mb4.2/10, ML4.3/11, Mw(mB)4.5/3

ISC 10 01:14:43.0.0.5.6.30S:0.05:130.32E, 0.06, h150km, n42, c1992/43, mb4.1/7, Banda Sea

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists stations like BNDI, SAU, FAKI, NLAJ, SWI, SANI, LBMI, MTN, SOEI, BATI, BFI, KNRA, WRA, WRA, K15K, L18K, I07A, K17K.

2018 APR

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists stations like WB2, WRO, COEN, AS31, ASAR, ASAR, MBWA, MBWA, PSAO, PSAO, BKNI, DZM, DZM, CMAR, CMAR, TKNZ, TKNZ, SONM, SONM, SONM, SONM, PETK, PETK, MK31, MKAR, MKAR, MAKZ, MAKZ, YAK, YAK, ZALV, ZALV, MSEY, MSEY, OPO, OPO, ABKAR, ABKAR, QSPA, QSPA, NEIC, IDC, ISC.

NEIC 10 01:16:40.5.1.4.17.9S:0.2:178.6W, 0.2, h633km, 11km, mb4.2/44, Error ellipse: s-maj=28.1km s-min=18.5km az=144.0

IDC 10 01:16:41.4.7.0.18.04S:178.63W, h654km, 91km, mb3.4/8, mbmp4.4/9, Error ellipse: s-maj=40.3km s-min=25.7km az=109.0

ISC 10 01:16:35.6.0.7.17.9S:0.2:178.5W, 0.1, h579km, n56, c0893/56, mb4.3/28, Fiji Islands region

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists stations like Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists stations like Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists stations like Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists stations like Code, Station Name, Az, Op, Phase ID, Time, Res, ISC.

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Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists stations like J16K, U15A, X18A, ISLF, HNTX, ILAR, PDAR, PDAR, RWVY, RWVY, BRTR, BRTR.

MRB 10 01:40:18.3.0.2.0.40.72N:0.92E, h11km, 1km, ML1.9/20, Error ellipse: s-maj=1.1km s-min=0.5km az=305.0

LDG 10 01:40:19.8.0.1.4.0.77N:0.84E, h11km, Mdz.4/2, M2.5/9, Error ellipse: s-maj=2.2km s-min=1.7km az=150.0

MDD 10 01:40:19.6.0.2.4.0.74N:0.87E, h11km, mb\_L72/5/18, Error ellipse: s-maj=2.4km s-min=1.1km az=147.0

ISC 10 01:40:18.0.0.9.4.0.76N:0.02:0.86E, 0.02, h139km, n43, c0879/93, Spain

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists stations like Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists stations like Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists stations like Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists stations like Code, Station Name, Az, Op, Phase ID, Time, Res, ISC.

RSNC 10 01:48:44.3.0.0.7N:2.73W, h137km, 3km, mb3.4, mB5.5, ML2.6, Mw(mB)4.9, Northern Colombia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BARC Barichara, PAMC Pamplona, RUSC La Rusia, etc.

NEIC 10 02:31:57.4-0.8, 19.37N, 0.074-64.59W, 0.05, h35km, 2km, ML2.7/22, Md3.6/5(RSPR), Error ellipse: s-maj=14.4km s-min=3.1km az=327.0

RSPR 10 02:31:58.3, 19.40N, 64.62W, h42km, 17km, Md3.6/5, ISC 10 02:31:49.9-2.5, 19.77N, 0.02-64.52W, 0.05, h27km, n40, e152/43, 3C-8D, Virgin Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HUMP Col San Antoni, GPCR Guaynabo City, EMPR Esperanza - Ma, etc.

ISC 10 02:34:45.0-0.8, 56.12S, 26.56W, h0km, mb4.1/5, mbmp4.0/6, ML3.6/1, MS3.4/7, Error ellipse: s-maj=34.8km s-min=20.0km az=74.0

NEIC 10 02:34:53.1-1.4, 56.27S, 26.56W, 0.2, h57km, 10km, mb4.5/27, Error ellipse: s-maj=19.7km s-min=15.4km az=223.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HOPE Hope Point, VNA1 Neumayer-Stat, ESPZ Base Esperanza, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SNAIA Sanae, TROLL Tro Antari, PMSA Palmer Station, etc.

ISC 10 02:43:01.1-6.2, 5.79S, 151.45E, h62km, 52km, mb3.7/4, mbmp4.0/5, ML2.2/1, Error ellipse: s-maj=69.6km s-min=32.2km az=116.0

ISC 10 02:42:59.2-1.3, 5.85S, 151.7E, 0.4, h50km, n6, e087/6, mb3.9/4, New Britain region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PMG Port Moresby, WRA Warramunga Arr, ASAR Alice Springs, etc.

ISC 10 02:44:56.9-3.9, 5.62S, 151.44E, h0km, mb3.6/2, mbmp3.7/2, MS3.0/1, Error ellipse: s-maj=141.6km s-min=54.3km az=118.0, New Britain region

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

ISC 10 02:46:55.6-0.6, 36.50N, 0.05-71.34E, 0.05, h114km, n60, c250/70, mb4.0/14, 9C-5D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GAR Garm, CHGR Changararon, SIMJ Simiganj, etc.

STR 10 02:49:52.0-1.2, 42.12N, 6.6E, h5km, 9km, MLV3.2/18, Error ellipse: s-maj=0.0km s-min=0.0km az=95.0, preliminary LDG 10 02:49:53.6-0.1, 42.18N, 2.23W, h10km, Mk3.0/2, M2.9/27, Error ellipse: s-maj=2.1km s-min=1.6km az=140.0

MDD 10 02:49:53.0-0.1, 42.17N, 2.23W, h12km, mb, Lg3.1/46, Error ellipse: s-maj=1.2km s-min=0.8km az=154.0

INMG 10 02:49:53.9-1.4, 42.17N, 2.21W, h17km, 2km, ML2.6, Error ellipse: s-maj=1.5km s-min=1.2km az=114.0

Table with columns for station name, frequency, and various parameters. Includes stations like Ste Jean, Osses, Torete, San Caprasio, Lanestosa, Canfranc, Etsaut, Arette, Tercis-les-Bai, Urds, View, Celadas (Terue), Chisagues Biel, Universidad Co, Guadarrama, Esparrros, Mosqueruela, Horta de San J, Arriondas, Moulis Poblet, Salau Sonseca Array, Miracle, Andorre, Juzbado, Salam, Cofrentes, Val, San Pablo, Dun, chateau la Riv, Valcabollere, Carcanieres, Nbias, Montcuq, Calabor, Braganca, Montoliou, La Frestale, Granatula de C, Tobarra, Placencia, Fillols, Moncorvo, Yechar (Murcia), Les Rejaudoux, Calviac.

Table with columns for station name, frequency, and various parameters. Includes stations like Vila Real, Ubeda, Jaen, Zarzadilla de, Lobios, Adamuz, Manteigas, La Murta, Agolada(Pontev), Quesada, Viseu, Gavieira, Arco, Mallorea, Castelo Branco, MFF, ECAB, EI Cabril, Marv??o, Badajoz, Lubilhac, Mazaricos, Toulx Ste Croi, Estremoz, Barrancos, Montargil, PSBE, VIVF, BGF, QUIF, SGMF, ROSF, SMF, PNCL, PCVE, PVAO, SSF, ORIF, LMR, PBVD, LDF, LOR, FLN, MORF, PGF, NEIC, CROK, Pawnee Station, Liberty Lake.

Table with columns for station name, frequency, and various parameters. Includes stations like Blackwell, Battle Ridge R, Quincy, South Haven SW, Salt Plains WL, Caldwell West, Bluff City Nor, Argonia South, OKLAHOMA CITY, Depew, Milan North St, West end E0370, Anthony Ne Sta, Sooner Central, Franklin, Harper Ne Stat, Hydro, Custer, Tecumseh, Leonard, Ellis County, Wichita Mounta, Clayton, Bolivar, Woolly Hollow, KOUNC, YATNC, DZM, ASAR, ARCES, TIR, BGR, IDC, ROM, BEO, MOS, PDG, MED\_RC, NEIC, CROK.



10d 3h

2018 APR

Table with columns for station name, frequency, time, and signal strength. Includes stations like SENI, Tortoneto Alta, Citi' di Caste, Monte Cedrone, and various other locations.

Table with columns for station name, frequency, time, and signal strength. Includes stations like CERKNICA, Cerknica, BOJANI, and various other locations.

Table with columns for station name, frequency, time, and signal strength. Includes stations like MABI, PCP, SLATV, MYKA, and various other locations.

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Table with columns for PZZ, comp=N, AML, AML, Pn, Pn, 03 12 40.2, 0.0. Includes entries like Stroppo, Traversella, Trav, etc.

2018 APR

Table with columns for CONA, comp=N, 254nm, 0.6s, eS n, Sn, 03 13 48.9, -2.8. Includes entries like Rosend, Fruska Gora, etc.

10d 3h

Table with columns for TREC, Trest, 6.48, 14, eS n, Sn, 03 14 17.1, -4.2. Includes entries like Saint Sauveur, Saint Sauveur, etc.

10d 3h

Table with columns: Station Name, Frequency, Power, Mode, and SNR. Includes stations like Litokhoron, LIT, LOR, and various other locations.

2018 APR

Table with columns: Station Name, Frequency, Power, Mode, and SNR. Includes stations like Dreilaegebach, MEM, VOIR, and various other locations.

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Table with columns: Station Name, Frequency, Power, Mode, and SNR. Includes stations like Suwalki, SUW, SUW, and various other locations.









Table of station data for 10d 3h, including stations like MKAR, KURBB, ZALV, ABKAR, WRA, WB2, ASAR, AKBB, BURAR, FINES, KWP, ARCES, PSZ, HFS, NOA, ZCCA, C18K, B22K, TOLK, etc.

MOS 10 03:23:41.7, 43.16N, 41.91E, h8km, MPVA3.3
ISK 10 03:23:41.3, 43.16N, 41.88E, h83km, 2km, ML2.5/6
NFAD 10 03:23:42.3, 43.12N, 41.95E, h1km, MPVA3.3

AFORS 10 03:23:45.7, 0.0, 42.65N, 41.53E, h7km, 1km, ML1.9
ISC 10 03:23:41.3, 0.9, 43.12N, 0.02, 41.90E, 0.02, h16km, 8km,

Table of station data for Western Caucasus, including stations like DDMR, ARXZ, SHAI, KBZ, KIV, KWO, GRYR, DIGR, ONI, VLSR, LESKEN, BATM, GUMZ, SOC, BCA, EPOS, HOPA, LACR, MRNR, AHAN, DAGI, AKH, DBAD, DBAD, DBAD, CHOM, IZDR, etc.

Table of station data for TAP 10 03:24:00.8, 24.06N, 121.68E, h10km, ML1.6, D, Taiwan, including stations like TWD, ETL, NACB, ETM, ETLH, etc.

Table of station data for 2018 APR, including stations like LXIB, ESL, ENA, WHF, WARB, NNSB, CHGB, LATG, YHNB, etc.

ROM 10 03:25:05.7, 0.1, 42.875N, 0.002, 13.151E, 0.005, h14km, ML2.1/76, 10C-5D, Error ellipse: s-maj=0.3km

Table of station data for 2018 APR, including stations like MC2, NRCA, T1214, etc.

Table of station data for ARRO, including stations like ARRO, ARRO, ARRO, etc.

ROM 10 03:25:47.0, 0.1, 43.060N, 0.004, 13.044E, 0.006, h9km, ML1.8/30, 7C-3D, Error ellipse: s-maj=0.6km

Table of station data for ROM 10 03:25:47.0, 0.1, 43.060N, 0.004, 13.044E, 0.006, h9km, ML1.8/30, 7C-3D, Error ellipse: s-maj=0.6km, including stations like FDMO, FEMA, CESI, etc.



10d 4h

Table with columns for station name, frequency, power, and various metrics. Includes stations like ATMI, CAMP, MPAG, TERO, NARO, MGAB, APEC, AOI, SENI, PCRO, ATMC, BADI, TRTR, GIGS, PE3, FIAM, SACS, PARC, SSP9.

2018 APR

Table with columns for station name, frequency, power, and various metrics. Includes stations like SSP9, SKDS, KNDS, CEY, CGRP, SABO, PGF, CRES, OBKA, ABTA, SOKA, TREB, KBA, SBF, FETA, WTTA, SQTA, LESA, WATA, HAPS, MOTA, ARSA, DRME, BIAO, RUDO, RETA, LMR, BBLs, DAVA, DAVA, MBDF, MOA, MOA, LPG, LPL, SJES, RONA, CONA, CONA, ORIF, ORIF, SMRF, SMRF, GERES.

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Table with columns for station name, frequency, power, and various metrics. Includes stations like GERES, CKRC, CKRC, CABF, CABF, KHC, KHC, VIVF, VIVF, HINF, HINF, ZVC, ZVC, CDF, CDF, HAU, HAU, NKF, NKF, SMF, SMF, PAGF, PAGF, LOR, LOR, AVF, AVF, SSS, SSS, KEST, KEST, BGF, BGF, TCF, TCF, FINEs, FINEs, ROM 10 03:59:34.0, ROM 10 04:00:27.4, ROM 10 04:00:43.0.









Table of astronomical observations for stations like CONA, TIR, TIR, OGS, TRUS, ORIF, SMRF, GRUS, SLE, TORNY, BALST, GERES, CKRC, SELS, ENDD, BOURR, FELD, KIZ, KHC, CABF, SRN, CHMF, VOGT, WLS, CDF, VRAC, LASF, HAU, XAFF, PRU, SMF, VTS, LOR, AVF, SSF, KEST, MTLF, HYF, FINES, TORDI, MKAR. Includes station names, coordinates, and observation times.

Table of astronomical observations for stations like SNTG, MC2, GUMA, T1221, MMO1, ATCC, MF5, GAVE, MOMA. Includes station names, coordinates, and observation times.

ROM 10 04:16:42.7-0.2, 43°10'N, 0°01'13.04"E, 0.01, h11km, ML1.6/36, 3C-2D, Error ellipse: s-maj=1.6km s-min=1.1km az=330.0, Central Italy

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Lists various stations and their observation details.

Table with columns: NRCA, T1221, MMO1, MF5, ATCC, CING, FEM, MTR, SSFR, MURB, ARVD, MOMA. Includes station names, coordinates, and observation times.







10d 5h

2018 APR

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Table containing meteorological data for stations in the 10d 5h region. Columns include station name, elevation, and various parameters like temperature, wind, and precipitation.

Table containing meteorological data for stations in the 2018 APR region. Columns include station name, elevation, and various parameters like temperature, wind, and precipitation.

Table containing meteorological data for stations in the 628 region. Columns include station name, elevation, and various parameters like temperature, wind, and precipitation. Includes a summary row for SJA 10:05:46.3:0.6,24°24'S:67°07'W.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MKAR Makanchi Array, ZALV Zalesovo Beam, and KURBB Kurchatov Arra.

SFS 10 05:23:41.3, 34.65N:9.34W, h17km, ML3.6/8, ML3.6/8, ML3.7/8
MDD 10 05:23:42.6, 1.2, 34.66N:9.34W, h24km, 14km, Mb4.1/3, M\_m\_b3.4/3, Error ellipse: s-maj=14.1km s-min=5.2km az=66.0
IGIL 10 05:23:42.2, 34.64N:9.40W, h28km, ML1.9
INMG 10 05:23:43.2, 1.4, 34.64N:9.40W, h38km, 764km, ML1.7, Error ellipse: s-maj=8.2km s-min=2.5km az=82.0
CNRM 10 05:23:44.1, 34.12N:9.30W, h30km
ISC 10 05:23:38.1, 1.5, 34.65N:0.04:9.28W:0.08, h10km, n39, <math>\pm 193/57, 3C, West of Gibraltar</math>

Main table listing station data for West of Gibraltar region, including stations like AVE Averoeres, SRHM Skhour des Reh, PVAQ Vaqueiros, and others.

ISK 10 05:32:56.4, 36.08N:45.24E, h76km, ML3.2/6
AFAD 10 05:32:58.1, 0.0, 36.65N:45.30E, h2km, 1km, ML3.0
ISW 10 05:32:59.9, 1.1, 36.78N:45.29E, h5km, 999km, ML3.0
TEH 10 05:33:00.5, 36.77N:45.29E, h8km, 42km, ML3.1
ISC 10 05:32:58.1, 1.3, 36.66N:0.03:45.30E:0.03, h2km, n12km, n30, <math>\pm 158/38, Iran-Iraq border region</math>

Main table listing station data for Iran-Iraq border region, including stations like NGD1 Naghad, MAHB Mahabad, and others.

Table listing station data for the CLDR region, including stations like CLDR Caldian, ILBA Iliam Banvizeh, and others.

NNC 10 05:51:41.4, 3.4, 38.73N:69.78E, h0km, 13km, mb3.8, mpv3.5, 4C-11D, Error ellipse: s-maj=236km s-min=12.4km az=22.0, Tajikistan

Main table listing station data for the NNC region, including stations like KK31 Karatay Array, AAK Ala-Archa, and others.

DJA 10 05:58:41.1, 2.4, 6.1N:22.12W, 1.5, h89km, 36km, M4.7/7, mb5.5/3, mb4.7/7, MLV4.7/6, Mw(MB)4.9/3
IDC 10 05:58:43.3, 11.0, 5.56N:127.58E, h145km, 110km, mb3.5/8, mbmp3.9/8, MS3.0/1, Error ellipse: s-maj=74.5km s-min=20.6km az=64.0

ISC 10 05:58:33.3, 1.0, 5.38N:0.1, 127.6E:0.2, h50km, n16, <math>\pm 176/16, mb4.2/8, Philippine Islands region</math>

Main table listing station data for the ISC region, including stations like SGSI Sanghie, KMSI Cibinong, and others.

NNC 10 06:05:41.2, 2.7, 38.14N:69.44E, h0km, mb4.5, mpv4.2, Error ellipse: s-maj=22.0km s-min=13.9km az=172.0
IDC 10 06:05:44.4, 1.0, 38.35N:69.95E, h0km, mb3.8/13, mbmp3.9/21, ML3.3/8, MS3.1/2, Error ellipse: s-maj=13.9km s-min=12.0km az=158.0

ISC 10 06:05:46.7, 0.7, 38.33N:0.07:69.68E:0.06, h12km, n39, <math>\pm 217/47, mb3.8/12, 7C-9D, Tajikistan</math>

Main table listing station data for the ISC region, including stations like KK31 Karatay Array, KSH Keshi, and others.

Table listing station data for the TKM2 region, including stations like TKM2 Tokmak 2, GEYT Alibeck, and others.

AB31 Akbulak array 12.98 330, Error ellipse: s-maj=11.1km s-min=1.1km az=50.0

Main table listing station data for the AB31 region, including stations like AB31 Akbulak array, KURBB Kurchatov Arra, and others.

ARU Ari 19.57 341, Error ellipse: s-maj=17.0km s-min=1.0km az=9.2

BELG Belogoroye 20.82 320, Error ellipse: s-maj=15.0km s-min=0.6km az=9.2

BRTR Keskin Arra 27.92 284, Error ellipse: s-maj=11.4km s-min=6.0km az=5.2

SONM Songino Array 28.22 58, Error ellipse: s-maj=2.0km s-min=0.5km az=12.0

AKASG Malin Array Be 31.00 307, Error ellipse: s-maj=2.0km s-min=0.2km az=3.3

Main table listing station data for the AKASG region, including stations like XLT XilinhaoTe, FINES FINESS Array B, and others.

ROM 10 06:17:38.0, 1.0, 43.056N:0.002:13.032E:0.004, h8km, ML2.5/5, 5C, Error ellipse: s-maj=0.3km s-min=0.1km az=58.0, Central Italy

Main table listing station data for the ROM region, including stations like FDMO Fiordimonte, FEMa Monte Fema, and others.





Table with 6 columns: Code, Station Name, Azimuth, Elevation, Azimuth, Elevation. Includes stations like NRCA, EL6, EL7, EL8, T1221, MMO1, T1214, T1214, T1214, MTRA.

CNRM 10 06:30:25.6, 36:69N; 7.14W, h86km, ML1.8
SFS 10 06:30:28.9, 36:68N; 7.30W, h24km, ML2.5/6, ML2.6/6, ML2.4/6
INMG 10 06:30:29.6, 1.8, 36:64N; 7.28W, h31km, 10km, ML2.0
EGRO Error ellipse: s-maj=4.3km s-min=3.1km az=Lg3.0

Main table with 6 columns: Code, Station Name, Azimuth, Elevation, Azimuth, Elevation. Lists numerous stations like PBDV, PVAQ, PVAO, EGRO, MORF, PFEV, etc.

CNRM 10 06:36:19.5, 36:35N; 7:51W, h6km, ML2.3
SFS 10 06:36:23.8, 36:66N; 7:29W, h55km, ML3.0/12, ML2.9/12, ML2.8/12
MDD 10 06:36:24.2, 0.4, 36:60N; 7:28W, h30km, mb\_Lg3.1/14
Error ellipse: s-maj=3.5km s-min=2.4km az=22.0

Error ellipse: s-maj=4.0km s-min=2.8km az=52.0
IGL 10 06:36:24.6, 36:64N; 7:32W, h30km, ML2.3
LDL 10 06:36:26.1, 0.4, 36:73N; 7:18W, h30km, MS3.1/2, Error ellipse: s-maj=5.6km s-min=4.1km az=51.0

Main table with 6 columns: Code, Station Name, Azimuth, Elevation, Azimuth, Elevation. Lists numerous stations like ARNO, PBDV, PVAQ, EGRO, MORF, PFEV, etc.

Table with 6 columns: Code, Station Name, Azimuth, Elevation, Azimuth, Elevation. Includes stations like PGAV, TIO, TIO, TIO, TIO, OUZM, OUZM, ETOR, ETOF, EAGO, TTIG, EARI, EARI, EARI, SJPF.

BUI 10 06:46:35.8, 0.0, 13:28N; 146:59E, h10km, mb4.6/32, mb5.0/20, Ms4.4/5, Ms7.4/17
IDC 10 06:46:39.9, 0.6, 13:53N; 146:14E, h0km, mb4.3/23, mbmp4.3/23, MS3.7/14, Error ellipse: s-maj=14.9km s-min=14.5km az=163.0

Main table with 6 columns: Code, Station Name, Azimuth, Elevation, Azimuth, Elevation. Lists numerous stations like GUMO, PATS, DJV, JHH, FAKI, JOW, JOW, JGF, JNU, JNU, MJAR, YULB, YULB, HNR, LUWI, KSRS, ASAJ, NJ2, NJ2, NJ2, SOEI, KNRA, MDJ, MDJ, MDJ, WB0, WR0, WR2, WRA, WRA, WRA, QIZ, QIZ, QIZ, HNS, FITZ, ASAR, ASAR, GYA, GYA, HEH, HEH, HEH, XLT, XLT, XLT, DZM, HHC, HHC, HHC, MBWA, LZH, LZH, STKA, CMAR, CMAR, SONM, SONM, NWAO, BILIBINO, BILIBINO, WMQ, WMQ, WMQ.

10d 7h

Table listing meteorological data for station WMQ, including coordinates, elevation, and various atmospheric parameters like pressure (pmax), wind speed (Vmax), and humidity (hmax).

RSNC 10 07:20:01.1, 3'N, 101°8'2W, h0km, mb3.8, mb4.9, ML2.6, MLV3.7, Mv(mb)4.2, South of Panama

Table listing meteorological data for station GURBB, including station name, coordinates, elevation, and various atmospheric parameters like pressure (pmax), wind speed (Vmax), and humidity (hmax).

IDC 10 07:01:14.0, 3.3, 55°53N, 85°97E, h0km, mbtmp2.9/2, ML2.6/2, Error ellipse: s-maj=27.9km s-min=24.3km QSP=21, Southwestern Siberia

Table listing meteorological data for station GURBB, including station name, coordinates, elevation, and various atmospheric parameters like pressure (pmax), wind speed (Vmax), and humidity (hmax).

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Main table listing meteorological observations for station GURBB, including time, pressure (pmax), wind speed (Vmax), and humidity (hmax) data.

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Table listing meteorological data for station SNAE, including coordinates, elevation, and various atmospheric parameters like pressure (pmax), wind speed (Vmax), and humidity (hmax).

Table listing meteorological data for station BRTR, including coordinates, elevation, and various atmospheric parameters like pressure (pmax), wind speed (Vmax), and humidity (hmax).

Table listing meteorological data for station YKA, including coordinates, elevation, and various atmospheric parameters like pressure (pmax), wind speed (Vmax), and humidity (hmax).

Table listing meteorological data for station BDFB, including coordinates, elevation, and various atmospheric parameters like pressure (pmax), wind speed (Vmax), and humidity (hmax).

Table listing meteorological data for station LPAZ, including coordinates, elevation, and various atmospheric parameters like pressure (pmax), wind speed (Vmax), and humidity (hmax).

Table listing meteorological data for station DJA 10 07:17:46.8, 0.3, 12°53'S, 111°4E, h10km, M4.1/8, Mb4.0/7, MLV2.28, South of Bali

Table listing meteorological data for station IGBI, including station name, coordinates, elevation, and various atmospheric parameters like pressure (pmax), wind speed (Vmax), and humidity (hmax).

Table listing meteorological data for station BMM, including station name, coordinates, elevation, and various atmospheric parameters like pressure (pmax), wind speed (Vmax), and humidity (hmax).

Table listing meteorological data for station WFOR, including station name, coordinates, elevation, and various atmospheric parameters like pressure (pmax), wind speed (Vmax), and humidity (hmax).

Table listing meteorological data for station BEKR, including station name, coordinates, elevation, and various atmospheric parameters like pressure (pmax), wind speed (Vmax), and humidity (hmax).

Table listing meteorological data for station WAKR, including station name, coordinates, elevation, and various atmospheric parameters like pressure (pmax), wind speed (Vmax), and humidity (hmax).

ISC 10 07:39:30.6,0.7,7.20S;0.08,129.19E;0.09,h150km,n36,
r174/36,mb4.0/6,Banda Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists seismic events from SAUI to QSPA.

SNET 10 07:51:45.0,1.2,13.38N;91.63W,h35km,59km,ML3.3
CGG 10 07:51:51.9,0.5,13.90N;91.45W,h63km,16km,MD3.4
ISC 10 07:51:46.1,3.4,13.5N;0.2,91.6W;0.1,h28km,n11,
r18/14,Near coast of Guatemala

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists seismic events from SULM to PAVA.

IDC 10 07:59:05.5,3.0,54.30N;86.83E,h0km,mbtmp2.8/2,
ML2.4/2,Error ellipse: s-maj=26.6km s-min=16.8km
az=49.0,Southwestern Siberia

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists seismic events from I46RU to MKAR.

NEIC 10 08:02:54.0,1.0,19.52N;0.04,155.92W;0.05,
h29km,10km,Error ellipse: s-maj=7.1km s-min=5.7km
az=49.0

HVO 10 08:02:56.1,1.9,19.494N;0.010,155.91W;0.01,
h10km,4km,ML2.6/13,ML2.8/46(NEIC),Error ellipse:
s-maj=1.8km s-min=1.2km az=50.0,Hawaiian Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists seismic events from CPK to POHA.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists seismic events from POHA to STCH.

SNET 10 08:21:18.1,1.3,15.44N;88.01W,h15km,ML3.6
CATAC 10 08:21:19.0,0.2,15.28N;88.09W,h3km,ML3.7
ISC 10 08:21:14.8,1.3,15.37N;0.03,88.05W;0.02,h11km,n11km,
n55,r0679/103,Honduras

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists seismic events from IZABA to BOAB.

com=Z,210nm,0.4s
San Jose
JAYA
JAYA
MTO3
MTO3
PAVA
Las Pavas

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists seismic events from MTO3 to UEES.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists seismic events from UEES to BOAB.

NNC 10 08:27:47.5,5.0,53.86N;90.83E,h0km,mb3.3,mpv2.9,
Error ellipse: s-maj=37.2km s-min=27.9km az=52.0,
Suspected Mining explosion.

IDC 10 08:27:49.2,3.4,53.80N;90.76E,h0km,mbtmp3.1/2,
ML2.9/2,Error ellipse: s-maj=28.3km s-min=23.4km
az=50.0

ISC 10 08:27:48.6,4.1,53.9N;0.1,90.7E;0.2,h0km,n10,
r188/14,9C-5D,Southwestern Siberia

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists seismic events from I46RU to SONM.



Table with columns: Station Name, Frequency, Mode, and Signal Strength. Includes stations like Plostina, Dikmen, Voineasa-Covas, Simferopol, etc.

Table with columns: Station Name, Frequency, Mode, and Signal Strength. Includes stations like Port Alsworth, Kayak Island, Kayak Island, etc.

Table with columns: Station Name, Frequency, Mode, and Signal Strength. Includes stations like Aishikik Lake, Eaglecrest, Mendenhall, etc.

NEIC 10 09:51:57.0±1.6,55:87N,01:08:150.0W,0.1, h10km,2km, ML3.8/44, ML3.6(AEIC), Error ellipse: s-maj=13.0km s-min=9.3km az=162.0

AEIC 10 09:52:01.9±1.7,55:93N,01:08:149.9W,0.1, h10km,7km, Error ellipse: s-maj=12.5km s-min=7.7km az=154.0

ISC 10 09:51:57.1±1.6,55:95N,01:09:150.0W,0.06, h10km, n202, s120, 010/213, Gulf of Alaska

Table with columns: Code, Station Name, Frequency, Mode, and Signal Strength. Includes stations like Old Harbor, Kodiak Island, Sitkinak Island, etc.

Table with columns: Station Name, Frequency, Mode, and Signal Strength. Includes stations like GHO, WAXEL, SWWZ, SML, etc.

DCI 10 09:53:23.0±0.6,32:71N,142:43E, h0km, mb4.1/19, mbmp4, 1/26, ML3.7/77, MS2.9/6, Error ellipse: s-maj=16.4km s-min=14.9km az=46.0

MOS 10 09:50:26.3±1.1, 33:22N, 142:46E, h11km, mb4.6/19, Error ellipse: s-maj=11.8km s-min=5.8km az=100.5

NEIC 10 09:53:26.5±1.8, 32:78N, 01:07:43E, 0.09, h10km, 1km, mb4.5/20, Error ellipse: s-maj=12.1km s-min=11.5km

JMA 10 09:52:27.0±0.3, 32:39N, 01:14:24E, h63km, MV4.2/41, FAR E OFF IZU ISLANDS

NIED 10 09:53:27.3, 32:85N, 142:36E, h63km, MW4.1, Moment Tensor Solution, s3, Moment tensor: Scale 10^15Nm, M1:1.10; M2:0.04; M3:1.06; M4:-0.73; M5:-0.29; M6:0.54;

ISC 10 09:53:25.3±0.4, 32:74N, 01:05:142:33E, 0.05, h10km, n230, s134/238, mb4.5/88, MS3.0/3, 11C, Southeast of Honshu

Table with columns: Code, Station Name, Frequency, Mode, and Signal Strength. Includes stations like Mitsune, Mitsune, Hachiojimakas, etc.

10d 10h

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Table of astronomical observations for 10 days and 10 hours. Columns include station ID (e.g., KLR, PETK, H112), station name (e.g., Kul'dur, WAKE ISLAND Hy), magnitude, position (P, S, T), azimuth (Az), elevation (El), and SNR. Entries are organized in a grid-like fashion.

Table of astronomical observations for 10 days and 10 hours, continuing from the previous table. Columns include station ID (e.g., WBO, WR0, WRA, WRA), station name (e.g., Warramunga Arr, Kavik River), magnitude, position (P, S, T), azimuth (Az), elevation (El), and SNR.

Table of astronomical observations for 10 days and 10 hours, continuing from the previous tables. Columns include station ID (e.g., LRM, AKASG, HFS, NC204), station name (e.g., Limekiln Ridge, Malin Array Be), magnitude, position (P, S, T), azimuth (Az), elevation (El), and SNR.

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC

Table with 7 columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Contains data for stations like LEM, PALK, WRA, ASAR, MKAR, KURBB, HEL, VJF, RUF, PVF, PVA, FIAO, ARBE, KAF, KAF, NUR, NUR, MEF, MEF, VSU, SUF, SUF, SUF, KEF, KEF, KEF, JOENSU, NIF, RAFA.

HEL 10 10:05:24.0±0.4, 60.61N:29.06E, h0km, ML1.7, Explosion, Baltic States-Belarus-Northwestern Russia

UPP 10 10:06:31.5±2.8, 64.44N:31.31E, h0km, ML1.8
HEL 10 10:06:35.8±0.1, 64.67N:30.70E, h0km, ML2.0, Suspected explosion
IDC 10 10:06:36.3±0.6, 64.69N:31.15E, h0km, mbtmP3.0/4, ML2.2/4, Error ellipse: s-maj=43.7km s-min=10.0km az=100.0

KOLA 10 10:06:37.2,0.64:67N,30:79E, h0km, ML2.2, Error ellipse: s-maj=26.9km s-min=16.8km az=160.0, Kostomuksha, Karelia

n158, o1518/159, mb4.3/67, Samoa Islands region

M19K Big River Lodg 78.36 10 P P 10 21 44.6 +0.7

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Romuvaara, Maaselka, Joensuu, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like AF1 Afiamalu, MSVF Aniamalu, NIUE Niue, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like M19K Big River Lodg, K17K Iitarot, SPR3 Spring Creek 3, etc.

HEL 10 10:06:45.1,0.9,62:62N,24:74E, h0km, ML1.5, Explosion

ISC 10 10:06:45.1,0.9,62:62N,24:74E, h0km, n16, o1529/17, Finland

M19K Big River Lodg 78.36 10 P P 10 21 44.6 +0.7

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KEF Keuruu, KAF Kangasniemi, VAF Ylistaro, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like AF1 Afiamalu, MSVF Aniamalu, NIUE Niue, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like M19K Big River Lodg, K17K Iitarot, SPR3 Spring Creek 3, etc.

NEIC 10 10:10:18.1,2,0.14:8S,0:1,175:89W,0:10, h300km, 8km, mb4.4/116, Error ellipse: s-maj=16.1km s-min=13.0km az=143.0

ISC 10 10:10:21.4,7.6,14:69S,176:18W, h345km, 75km, mb3.8/10, mbtmp4.5/10, Error ellipse: s-maj=21.5km s-min=16.0km az=122.0

M19K Big River Lodg 78.36 10 P P 10 21 44.6 +0.7

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NEIC 10 10:10:18.1,2,0.14:8S,0:1,175:89W,0:10, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like AF1 Afiamalu, MSVF Aniamalu, NIUE Niue, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like M19K Big River Lodg, K17K Iitarot, SPR3 Spring Creek 3, etc.

ISC 10 10:10:16.7,0.5,14:84S,0:08,175:93W,0:09, h300km, mb3.8/10, mbtmp4.5/10, Error ellipse: s-maj=21.5km s-min=16.0km az=122.0

ISC 10 10:10:16.7,0.5,14:84S,0:08,175:93W,0:09, h300km, mb3.8/10, mbtmp4.5/10, Error ellipse: s-maj=21.5km s-min=16.0km az=122.0

M19K Big River Lodg 78.36 10 P P 10 21 44.6 +0.7





Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes various stations like I08BO, HUDS, ADAL, etc., and their respective broadcast parameters.









10d 10h

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like E03A, RADR, PAVQ, etc.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like WRAK, U33K, DLBC, etc.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like WATA, H31M, WTTA, etc.



10d 10h

Table with columns for station ID, name, frequency, power, and signal quality. Includes stations like PLOA, A22K, VRI, GREB, etc.

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Table with columns for station ID, name, frequency, power, and signal quality. Includes stations like VSU, SP1A, FINES, etc.

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Table with columns for station ID, name, frequency, power, and signal quality. Includes stations like KIV, KBZ, KBD, etc.





Table with columns for station name, coordinates, and various data points. Includes stations like Ulaanbaatar, Khong Chiam, Shilong, Lhasa, etc.

Table with columns for station name, coordinates, and various data points. Includes stations like HHC, HHC, HHC, BTO, BTO, BTO, etc.

Table with columns for station name, coordinates, and various data points. Includes stations like XIAN, XIAN, XIAN, XIAN, XIAN, etc.



10d 11h

Table with columns for station name, frequency, and signal strength. Includes stations like NRCA, TI221, EL6, EL7, EL8, etc.

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Table with columns for station name, frequency, and signal strength. Includes stations like KAN01 Argonia South, KAN05 Bluff City Nor, KAN09 Caldwell North, etc.

650

Table with columns for station name, frequency, and signal strength. Includes stations like FINES, OUF Merjarvi, OUF Syolatti, etc.

STR 10 10:40:35.4,0.45°N,5°W, h0km, MLv1.5/6, Error ellipse: s-maj=0.0km s-min=0.0km az=173.9,

Table with columns for Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual. Includes stations like SSB Saint Sauveur, COLL Collangettes, LBL Lubilhac, etc.

BUT 10 10:42:30.3,1.48, 85°N,0°5'11.68W,0.07, h11km, gkm, Error ellipse: s-maj=8.6km s-min=5.1km az=148.0,

Table with columns for Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual. Includes stations like HSPGA Hill Springs, NEW Newport, MSO Missoula, etc.

NEIC 10 10:42:29.0,1.5, 48°55'N,0°06'11.47W,0.07, h11km, gkm, ML3.3/52, ML3.5/15(BUT), Error ellipse: s-maj=8.9km s-min=5.6km az=157.0, Montana

Large table with columns for Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual. Includes stations like LYMT Lyon Mountain, BOZ Bozeman, HAWA Hanford, etc.

NEIC 10 10:56:15.6,1.9, 37°58'N,0°01'97.84W,0.03, h5km, 1km, mb, Lg2.5/5, ML2.4/30, Error ellipse: s-maj=3.8km s-min=2.9km az=98.0, Kansas

Table with columns for Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual. Includes stations like KAN12 Harper NE Stat, KS21 Milan North St, KAN06 Argonia West S, etc.

R32A Long Quarter, 1.01 318 Pg IAML Pb 10 56 35.8 +0.2

Table with columns for Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual. Includes stations like R32A, BLOK Blackwell, CROK Carrier, etc.

FUNLV 10 10:56:23.1, 0.10, 33°N, 72°54'W, h159km, MW3.7, RSNL 10 10:56:24.1, 0.10, 10°N, 2°7'22'W, h130km, 3km, mb3.6, ML2.7

Table with columns for Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual. Includes stations like MCOV Machiques, CRUC Carrejon, ARGC Ariguani, etc.

HELV 10 10:59:49.6, 1.9, 63°03'N, 27°75'E, h0km, mbtmp3.4/1, ML2.0/1, Error ellipse: s-maj=34.2km s-min=8.4km, az=104.0

HEL 10 10:59:50.3, 1.1, 63°08'N, 27°60'E, h0km, ML1.3, Suspected explosion

Table with columns for Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual. Includes stations like KAN10 Argonia South, NIF Nilsia, NUF Nuisia, etc.

TUN 10 11:39:3.36, 39°N, 8°86'E, h1km, 3km, MD1.9, Tunisia

Table with columns for Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual. Includes stations like KRIT Krib, KRIT Krib, KRIT Krib, etc.

INDC 10 11:20:03.5, 1.2, 21°73'S, 170°49'E, h0km, mb3.9/5, mbtmp3.9/6, ML4.2/1, Error ellipse: s-maj=39.3km s-min=27.5km az=157.0,

NOU 10 11:20:05.7, 22°17'S, 170°30'E, h0km, MLv4.4/12, Southeast of Loyalty Islands

NEIC 10 11:20:06.8, 1.9, 22°15'S, 0°1'170°50'E, 0.1, h46km, 13km, mb4.3/10, Error ellipse: s-maj=21.0km s-min=15.4km

ISC 10 10:08.8, 1.0, 22°15'S, 0°1'170°28'E, 0.09, h51km, n35, c=1844/36, mb3.9/10, Southeast of Loyalty Islands

Table with columns for Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual. Includes stations like MARNC Mare, MARNC Mare, MARNC Mare, etc.

NOUC Port Laguerre, 3.69 270 P Pn 11 21 04.3 +1.0

Table with columns for Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual. Includes stations like ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, etc.

WBO Warrungarra Arr, 33.56 267 P Iamb Iamb 11 26 42.4 -1.6

Table with columns for Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual. Includes stations like WRA Warrungarra Arr, WRA Warrungarra Arr, WRA Warrungarra Arr, etc.

MEX 10 11:23:54.7, 1.7, 28°33'N, 113°20'W, h12km, 39km, MD4.2, IDC 10 11:23:54.7, 1.7, 28°33'N, 113°05'W, h0km, mb3.7/1, mbtmp3.6/7, ML3.6/6, Error ellipse: s-maj=22.8km s-min=12.7km az=52.0,

ISC 10 11:23:53.6, 1.2, 28°33'N, 0°03'113°10'W, 0.03, h12km, 10km, n123, c=213/140, 7C-3D, Baja California

Table with columns for Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual. Includes stations like SFQB San Francisqui, SFQB San Francisqui, SFQB San Francisqui, etc.

Table of station data for NE74, SLGB, SRIG, etc. Columns include station name, frequency, mode, and various signal quality metrics.

Table of station data for MNHN, SAND, TCRU, etc. Columns include station name, frequency, mode, and various signal quality metrics.

Table of station data for SNTG, EL6, MNTT, etc. Columns include station name, frequency, mode, and various signal quality metrics.

TERO Teramo 0.49 169 P S Pb 11 34 05.8 +0.1

NEIC 10 11:41:06,41:35N,100:13W,h13km,Moment Tensor Solution. Moment tensor: Scale 10^14Nm; M1:2.61;

NEIC 10 11:41:07,41:35N,100:12W,h5km,ML4.8/1.4 Error ellipse: s-maj=3.3km s-min=2.6km az=150.0

NEIC 10 11:41:08,41:35N,100:12W,h5km,2km,mb4.2/2,mb\_Lg3.8/1.41,Mwr3.7/12(SLM),Error ellipse:

ISC 10 11:41:06,41:35N,100:12W,h4km,11km,n295,r1936/318,mb4.2/2.0,Nebraska

Code Station Name AZ Op Phase ISC Time Res K30B Basset 1.36 16 Op Pg ID h m s ISC

P38A Dawn 5.31 107 Pn 11 42 27.5 +0.7
P38A P38A Iamb\_Lg 11 44 05.3
ELIS Ellis County 5.32 174 Pn Iamb\_Lg Pn

APMT Aspermont 8.03 180 Pn 11 43 03.5 -0.6
APMT APMT Iamb\_Lg 11 45 45.8
SLM Saint Louis 8.06 107 Pn Iamb\_Lg Pn

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like WUAZ, U15A, E43A, etc.

Table with columns: KVALA, KVALA, KVALA, etc. Rows include stations like KVALA comp=N,35526µm,0.2s, KVALA comp=E,31440µm,0.1s, etc.

Table with columns: BOZC, ECEA, ECEA, etc. Rows include stations like BOZC Canakkale, Ece, ECEA Skiros Island, ECEA Skiros Island, etc.

AFAD 10 11:42:22.0, 40.51N; 24.12E, h22km, 22km, MW3.9
BEO 10 11:42:22.8, 1.4, 40.52N; 24.12E, h9km, 7km, ML3.9/10
NEIC 10 11:42:22.8, 1.8, 40.58N; 01:24.16E, 0.05, h10km, 2km, mb4, 1/3, Error ellipse: s-maj=6.6km s-min=3.0km

GADA Gvkgedra 1.41 106 Pn Pn 11 42 48.9 +0.0
NEO Neokhori 1.45 209 S Sn 11 43 08.2 -0.2
NEO Neokhori 1.45 209 P Pn 11 42 48.9 -0.6

KUR Kura River 40.62 331 P P 11 48 48.9 +1.5
E18K Etkuhlearik C 41.37 329 I Amb I Amb 11 48 54.9 +1.5
C18K Utukok River 41.76 331 P P 11 48 58.1 +1.4

Table with columns: Code, Station Name, Az, Alt, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like BAIL Bailesti, BAIL Puka, BAIL Puka, PUK Puka, PUK Zajecar, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like DHRM DHRM, DHRM DHRM, DHRM comp=N,940nm,0.8s, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like L34A Svendsen Farm, KSCO Kaye Shedlock, SUSD Miller, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes NEIC 10 11:47:02.8s, 1.0, 33.48N;0.04:73.5E;0.1, h33km, 10km, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes IDC 10 11:51:12.2:3.0, 36.63N;71.42E, h229km, 27km, mb3.0/4, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes NEIC 10 11:55:03.0, 2.2, 41.46N;0.04:100.22W;0.05, h5km, 2km, etc.



IDC 10 12:33:46.7-3.4, 34.725-179.12W, h0km, mb3.4/2, mbtmp3.5/3, ML3.4/1, Error ellipse: s-maj=81.0km s-min=47.9km az=125.0, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res. Includes stations like URZ Urewera, ASAR Alice Springs, WRA Warramunga Arr, FINES FINESS Array B.

NEIC 10 13:08:11.2-1.5, 19.2N, 0.2-64.2W, 0.1, h35km, 2km, ML3.0/20, Md3.6/8 (RSPR), Error ellipse: s-maj=30.2km s-min=15.8km az=150.0

RSPR 10 13:08:15.0, 19.20N, 64.43W, h63km, 12km, MD3.6/8, ISC 10 13:08:13.3-2.6, 19.3N, 0.2-64.42W, 0.07, h35km, n37, c0583/39, 5C-3D, Virgin Islands

Main table for NEIC/RSPR stations. Columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res. Includes stations like HUMP Col San Antoni, GPCR Guaynabo City, IGPR InterUniversit, EMPR Esperanza - Ma, AOPR Arecibo Observ, OBIP Obispo Ponce, AGPR Aguadilla, PR, MLPR Magueyes Islan, CRPR Cabo Rojo, ANBD Bethesda, SDDR Presa de Saban.

ROM 10 13:15:47.1-0.0, 43.073N, 0.002-13.049E, 0.004, h8km, ML2.9/75, 6C, Error ellipse: s-maj=0.3km s-min=0.1km az=66.0, Central Italy

Main table for ROM stations. Columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res. Includes stations like FDMO Fiordimonte, SEF1 Sefro, FEMA Monte Fema, CSP1 Cessapalombo, PIQ1 Piorecco, CING Cingoli, MDAR Monte D'Arja.

Main table for MDAR stations. Columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res. Includes stations like MDAR, FIU1 Fluminata, GAG1 Gagliole, SSM1 SSM1, MTL1 MTL1, MC2 Monte Cornacci, SNTG Esanatoglia, GUMA Gualdo di Mace, NRCA Norcia, EL6 Elcito, T1221 Campello sul C, MMOT Montemonaco, FOSV Fossato di Vic, MF5 Montefalcone A, MNTP Montappone, CING Cingoli.

Main table for MMUR stations. Columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res. Includes stations like MMUR Monte Murano, MTRM Matera, SSFR Montelegio di S, MURB Monte Urbino, ARVD Arcevia, ATSC Scheggia e Pas, MOMA Monte Mariano, OFFI Offida, SMA1 SAN MARTINO, FRON Frontone, PP3 Marolino.

10d 13h

Table with columns for station name, frequency, and various parameters. Includes stations like PP3, ATLO, ARRO, ATBU, ATVO, RM33, CEXX, ATPC, MPAG, PIEI, CAMP, ATPI, TERO, AOI, NARO, APEC, GIGS, BADI, FIAM, and PARC.

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Table with columns for station name, frequency, and various parameters. Includes stations like PARC, FAGN, CPGN, SRES, T0110, SF03, OBKA, KBA, VLO, SRN, KEK, LSK, IGT, TIR, and THL.

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Table with columns for station name, frequency, and various parameters. Includes stations like TIR, MESH, NEST, NEST, NEST, JAN, JAN, JAN, JAN, OHR, OHR, OHR, PENT, PENT, PENT, KPRO, KPRO, KPRO, KPRO, TAR1, TAR1, TAR1, TAR1, FNA, FNA, FNA, FNA, FNA, ULC, ULC, PUK, PUK, PUK, PUK, PUK, TSKL, TSKL, TSKL, TSKL, TSKL, NOCI, NOCI, NOCI, NOCI, NOCI, LKD2, LKD2, LKD2, LKD2, LKD2, DRAG, DRAG, DRME, DRME, NYDR, NYDR, EVGI, EVGI, EVGI, BUM, BUM, MATE, MATE, MATE, LADO, KTI, BCI, BCI, THL, THL, THL, THL.



Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Donna J Jenkin, Dunn Ranch, Edwards Air Fo, etc.

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

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Kas, Giv'at Ha'Em, Nati, etc.





Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like SHO, YUK, NEM2, NMR, RUSJ, JRA, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like PB05, GO03, PB06, PB04, LVC, AC05, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes sections for TAP 10:14:50:55.6, 25:01N:122:18E, h9km, ML2.1, B, and JMA 10:14:51:50.2, 0.1, 24:5N:0.3x:124:0E:0.2, h0km, MV0.6/5.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like JNKB, JKEN, JKEN, JNKB, etc.

IDC 10 15:14:16.5:4.3, 4.89S:153.81E, h124km, 39km, mb3.4/11, mbtmp3.8/12, MS3.4/2, Error ellipse: s-maj=27.2km, s-min=19.3km az=95.0

NEIC 10 15:14:16.5:0.7, 4.9S:0.1, 153.7E:0.1, h101km, 9km, mb4.2/13, Error ellipse: s-maj=18.4km s-min=16.4km az=23.0

ISC 10 15:14:14.5:0.7, 4.83S:0.08, 153.74E:0.10, h100km, n31, az=117/30, mb3.9/16, New Ireland region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like RABUL, MANUS, HNR, PMG, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like CARR, HUIG, HUIG, HUIG, etc.

TRN 10 15:34:38.2, 10.60N:62.09W, h105km, MD2.6, Gulf of Paria.

FUNV 10 15:34:38.2, 10.54N:62.37W, h48km, MWV3.5, mbtmp3.2/4, ML3.3/3, Error ellipse: s-maj=16.7km, s-min=10.1km, Near coast of Venezuela

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like CRUV, CRUV, TRN, etc.

NEIC 10 15:49:10.3:0.5, 4.140N:0.04:100.16W:0.02, h5km, 2km, mb\_Lg3, 1/86, Error ellipse: s-maj=7.9km s-min=3.0km az=162.0

IDC 10 15:49:12.2:1.3, 4.156N:100.48W, h0km, mb2.7/1, mbtmp3.2/4, ML3.3/3, Error ellipse: s-maj=16.7km, s-min=10.5km az=134.0

ISC 10 15:49:09.5:0.9, 41.47N:0.06:100.23W:0.06, h10km, n71, az=137/56, Nebraska

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like K30B, K30B, OGNE, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like R32A, ECSD, ECSD, N35A, etc.

TJR 10 15:55:41.0, 35.82N:28.95E, h1km, 59km, MI5.0, NAO 10 15:56:06.8, 35.22N:27.42E, h33km, mb4.8

BGR 10 15:56:09.2, 34.51N:24.99E, h33km, mb4.5, Ms3.6, AFAD 10 15:56:15.4, 0.0, 36.76N:25.94E, h19km, 1km, MW4.8

MOS 10 15:56:17.7, 0.9, 36.76N:26.15E, h13km, mb4.9/33, MS4.1/12, Error ellipse: s-maj=5.3km s-min=3.1km az=85.8

ISK 10 15:56:18.6, 36.69N:26.17E, h16km, ML4.6/42, BUJ 10 15:56:18.0, 0.0, 36.70N:26.20E, h14km, mb4.9/50, mb5.1/24, Ms4.5/7, Mt 4.2/8

PDG 10 15:56:19.8, 0.5, 36.72N:26.01E, h14km, 5km, ML4.9/10, Error ellipse: s-maj=0.6km s-min=1.2km az=0.0

NEIC 10 15:56:19.2, 1.9, 36.66N:0.05:26.14E:0.06, h11km, 4km, mb4.9/12, Error ellipse: s-maj=7.2km s-min=6.9km az=183.0

MED\_RC 10 15:56:19.0, 0.2, 36.66N:26.33E, h12km, MW4.7/33, Moment Tensor Solution, Mantle waves: s33.c51, Duration: t52 Moment tensor: Scale 10^18Nm, Mm-1.40z: 1.1, Mm0.1.45z: 0.7, Mm0.0.05z: 0.6, Mm0.58z: 1.2, Mm0.0.17z: 0.5, Mm0.0.14z: 1.6, Best double couple: M01.5600x10^16 NP1.0z: 272.00000, s56.00000, z-1.81.00000, NP2.0z: 76.00000, s35.00000, z-1.81.00000, Principal axes: T 1.5800, P1g11.0000, Azm355.0000, N -0.0400, P1g7.0000, Azm87.0000, P



-1.5400, Plg77.0000°, Azm211.0000°; nsta1 refers to body waves, nsta2 refers to surface waves, cutoff=35s.  
 THE 10 15:56:20.0, 36°68'N-26°17'E, h14km, ML4.7/12 Error ellipse: s-maj=0.5km s-min=0.2km az=298.0  
 MCSM 10 15:56:20.6, 0.4, 37°N, 26°E, h16km, mb4.7, mB4.9, MLv4.7, Mw(mB)4.2  
 ATH 10 15:56:20.0, 36°72'N-26°19'E, h13km, Mw4.5, Moment Tensor Solution, s10 Moment tensor: Mr-3.96; M<sub>xx</sub>6.70; M<sub>yy</sub>-2.74; M<sub>zz</sub>-0.95; M<sub>xy</sub>2.01; M<sub>xz</sub>0.08; Fault plane solution: NP1<sub>36</sub>112.00000°; 659.00000°, λ-39.00000°; NP2<sub>36</sub>225.00000°; 858.00000°, λ-143.00000°.  
 HLW 10 15:56:20.1, 36°54'N-26°39'E, h10km, 1.7km, Md4.5, M4.8 GCMT 10 15:56:20.0, 36°55'N-26°30'E, 0.05, h20km, 1km, Mw4.8/77, Moment Tensor Solution, s13, c14; s77, c102; Duration: 0 Moment tensor: Scale 10<sup>19</sup>Nm; Mr-2.29; 20; M<sub>xx</sub>2.01±.12; M<sub>yy</sub>0.28±.10; M<sub>zz</sub>0.49±.17; M<sub>xy</sub>0.27±.06; M<sub>xz</sub>0.44±.25; Best double couple: Ms2.259000/1016 NP1<sub>36</sub>272.00000°; 651.00000°, λ-76.00000°. NP2:  $\phi$ 71.00000°,  $\delta$ 40.00000°, λ-106.00000°. Principal axes: T 2.0930, Plg6.0000°, Azm353.0000°, N 0.3350, Plg11.0000°, Azm84.0000°, P -2.4260, Plg78.0000°, Azm235.0000°, nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function  
 IDC 10 15:56:20.2, 1.7, 36°68'N-26°17'E, h22km, 1.1km, mb4.4/32, mbtmp4.5/44, ML4.2/11, MS3.8/60 Error ellipse: s-maj=10.3km s-min=8.1km az=132.0  
 Gll 10 15:56:23.8, 0.3, 36°21'N-0.2, 26°49'E, 0.008, h14km, Mw4.5, confirmed  
 ISC 10 15:56:20.1±0.5, 36°55'N-26°20'E, 0.01, h19km, 1km, h20km; p-P, n797, c1983/828, mb4.8/125, MS3.9/58, 72C-41D, Dodecanese Islands

TURN	Turunc	1.65	85	P	Pn	15 56 48.9	+0.9
FRMA	Ierapetra Chan	1.67	193	P	Pn	15 56 47.8	-0.5
FRMA				S	Pn	15 57 09.1	-0.1
FRMA	Ierapetra Chan	1.67	193	P	Sb	15 56 48.0	+0.5
FRMA				S	Sb	15 57 10.5	-0.4
FRMA	comp=N,33937µm,0.6s			AML	AML	15 57 15.5	
FRMA				AML	AML	15 57 19.5	
CESE	emp=E,42575µm,0.5s	1.68	3	Pn	Pn	15 56 47.6	-0.8
IDI	Anoyia	1.72	218	P	Pn	15 56 48.9	-0.1
IDI	Anoyia	1.72	218	P	Pn	15 56 48.1	-0.9
IDI	Anoyia	1.72	218	S	Pn	15 57 10.6	+0.1
IDI	comp=E,14µm,0.4s			AML	AML	15 56 48.1	-0.9
IDI	Anoyia	1.72	218	Pg	Pb	15 56 50.7	-0.4
BLCB	Anoyia	1.72	218	Pg	Pb	15 56 50.7	-0.4
IDI	comp=E,0.9nm,0.3s,baz=17,slow=5.6,SNR=174			Sn	Sn	15 57 09.3	-1.2
IDI	comp=E,10.0nm,0.3s,baz=52,slow=6.3,SNR=10			Lg	Lg	15 57 16.4	
IDI	comp=E,23.0nm,0.3s,baz=296,slow=22,SNR=13			Log	Log	15 57 16.4	
IDI	Anoyia	1.72	218	P	Pn	15 56 49.1	0.0
IDI	Anoyia	1.72	218	S	Pn	15 57 11.4	+0.9
IDI	Anoyia	1.72	218	P	AML	15 57 18.4	
IDI	comp=E,40302µm,0.5s			AML	AML	15 57 19.2	
URLA	Izmir	1.74	10	Pn	Pn	15 56 47.6	-1.6
URLA	Izmir	1.74	10	P	Pn	15 56 47.6	-1.6
CHOS	Chios island	1.74	356	P	Pn	15 56 48.0	-1.3
CHOS	Chios island	1.74	356	S	Pn	15 57 09.9	-1.1
CHOS	Chios island	1.74	356	P	Pn	15 56 47.7	-1.7
CHOS	Chios island	1.74	356	S	Pn	15 57 09.3	-1.7
CHOS	Chios island	1.74	356	S	AML	15 57 23.6	
CHOS	comp=N,25914µm,0.7s			AML	AML	15 57 25.3	
CHOS	comp=E,38610µm,0.6s			AML	AML	15 56 50.5	+0.3
MULA	Mugla, Merkez-	1.81	70	P	Pn	15 56 54.9	0.0
BLCB	Balçova	1.86	21	Pn	Pn	15 56 50.2	-0.7
BLCB	Balçova	1.86	21	S	Pn	15 57 13.6	-0.2
PRNS	Prines Rethymn	1.88	228	P	Pn	15 56 51.7	+0.6
PRNS	Prines Rethymn	1.88	228	S	Pn	15 56 51.9	-0.9
PRNS	Prines Rethymn	1.88	228	S	Pn	15 57 15.2	-0.1
PRNS	Prines Rethymn	1.88	228	S	Pn	15 56 53.5	+1.3
PRNS	Prines Rethymn	1.88	228	S	Pn	15 57 17.9	-1.1
PSRA	Psara	1.96	345	P	Pn	15 56 51.0	-1.2
DALY	Dalyan (Mula)	1.98	84	Pn	Pn	15 56 53.2	+0.7
KARB	zmir-Karabur	2.02	5	P	Pn	15 56 51.4	-1.7
ZMIR	zmir-demi	2.04	43	P	Pn	15 56 53.0	-0.1
ZMIR	zmir-demi	2.04	43	S	Pn	15 57 22.5	+1.0
ESEN	Aydin-Nazilli	2.07	56	P	Pn	15 56 53.6	-0.1
CHAN	Chanina	2.08	238	P	Pn	15 56 54.5	+0.7
CHAN	Chanina	2.08	238	S	Pn	15 57 20.2	+1.0
CHAN	Chanina	2.08	238	S	AML	15 57 36.3	
CHAN	comp=N,21858µm,0.6s			AML	AML	15 57 36.7	
CHAN	comp=E,26154µm,0.8s			AML	AML	15 56 53.9	-0.3
FOCM	Foca	2.11	11	Pn	Pn	15 56 53.9	-0.3
IMMV	Iera Moni Meta	2.15	237	P	Pn	15 56 54.4	+0.5
IMMV	Iera Moni Meta	2.15	237	S	Pn	15 57 20.8	-0.2
IMMV	Iera Moni Meta	2.15	237	S	Pn	15 56 55.5	+0.6
IMMV	Iera Moni Meta	2.15	237	S	Pn	15 57 21.7	+0.7
IMMV	Iera Moni Meta	2.15	237	S	AML	15 57 34.2	
IMMV	comp=N,17724µm,0.6s			AML	AML	15 57 36.9	
IMMV	comp=E,18935µm,0.4s			AML	AML	15 56 56.8	-1.2
SABU	Mula-Dalaman	2.23	85	P	Pb	15 56 56.7	-1.2
FAVA	Athens Univeters	2.32	89	Pn	Pn	15 56 57.8	+0.5
FETH	Fethiye	2.32	89	Pn	Pn	15 56 56.5	-0.8
PTL	Penteli	2.33	308	P	Pn	15 57 24.8	-0.6
PTL	Penteli	2.33	308	S	Pn	15 56 57.3	-0.1
PTL	comp=E,11µm,0.5s			AML	AML	15 57 38.8	
PTL	comp=N,23839µm,0.6s			AML	AML	15 57 39.3	
PTL	comp=E,18463µm,0.5s			AML	AML	15 56 56.7	-0.7
ATHU	Athens Univeters	2.33	305	P	Pb	15 57 02.5	+0.8
KIRA	zmir-Kiraz	2.34	48	P	Pn	15 56 59.1	+1.3
DNZT	Denizli-Tavas-	2.35	74	P	Pn	15 57 30.6	+0.1
DNZT	Denizli-Tavas-	2.35	74	S	Pn	15 56 57.4	-0.3
CAND	Candari	2.35	12	Pn	Pn	15 56 57.0	-1.0
ATH	Athens Observa	2.38	305	P	Pn	15 57 26.1	+0.5
ATH	Athens Observa	2.38	305	S	Pn	15 56 58.3	+0.3
ATH	Athens Observa	2.38	305	S	Pn	15 57 24.8	-1.8
ATH	Athens Observa	2.38	305	S	AML	15 57 36.7	
ATH	comp=N,29118µm,0.5s			AML	AML	15 57 39.9	
IMZM	zmir-Dikili-	2.40	14	P	Pn	15 56 56.9	-1.5
IMZM	zmir-Dikili-	2.40	14	P	Pb	15 56 57.5	-5.3
IZED	zmir-Bergama	2.42	16	P	Pn	15 56 57.7	-0.9
IZED	zmir-Bergama	2.42	16	P	Pn	15 57 00.5	+1.5
EAGS	Mitilini, Lesv	2.45	7	Pn	Pn	15 56 58.3	-0.7
GOMA	Golmarmara-Man	2.47	33	Pn	Pn	15 56 59.3	+0.1
DNIZ	Denizli-Tavas-	2.47	66	P	Pn	15 57 00.3	+0.9
DKL	Dikili	2.48	13	Pn	Pn	15 56 58.3	-1.2
DKL	Dikili	2.48	13	P	Pn	15 56 58.0	-1.4
GVDS	Gavdos	2.48	224	Pn	Pn	15 57 00.2	+1.1
GVDS	Gavdos	2.48	224	P	Pn	15 56 59.5	0.0
GVD	Gavdhos	2.49	224	Pn	Pn	15 57 00.3	+0.8
GVD	Gavdhos	2.49	224	S	Pn	15 56 59.3	-0.2
GVD	Gavdhos	2.49	224	S	Sn	15 57 29.8	+0.4
GVD	comp=E,8µm,0.6s			AML	AML	15 57 31.4	+1.9
GVD	Gavdhos	2.49	224	P	AML	15 57 55.8	
GVD	comp=N,17006µm,0.4s			AML	AML	15 57 56.0	
CAME	Cameli-Denizli	2.51	82	Pn	Pn	15 57 00.5	+0.5
KRND	KRANIDI	2.55	288	P	Pn	15 56 59.6	-0.7
KRND	KRANIDI	2.55	288	S	Pn	15 57 30.3	-0.5
KRND	comp=E,8µm,0.6s			AML	AML	15 57 00.6	+0.2
CAEL	KRANIDI, Camel	2.55	278	P	Pn	15 57 02.5	-0.2
AKHS	Akhisar	2.57	29	Pn	Pn	15 57 00.4	-0.3
AKS	Akhisar	2.57	29	Pn	Pn	15 57 00.5	-0.2
SIGR	SIGRI	2.57	354	Pn	Pn	15 56 59.5	-1.2
SIGR	SIGRI	2.57	354	S	Pn	15 56 59.3	-1.4
SIGR	SIGRI	2.57	354	S	Pn	15 57 30.7	-0.7
SIGR	comp=E,4µm,0.7s			AML	AML	15 56 59.4	-1.4
SKY	Skiros Island	2.58	330	P	Pn	15 57 00.1	-0.7
SKY	Skiros Island	2.58	330	P	Pn	15 57 00.2	-0.7
SKY	Skiros Island	2.58	330	S	Pn	15 57 42.4	
SKY	comp=E,9129µm,0.9s			AML	AML	15 57 47.9	
KYMI	Kymi, Euboea I	2.59	321	P	Pn	15 57 00.1	-0.8
KYMI	Kymi, Euboea I	2.59	321	S	Pn	15 57 31.0	-0.8
KYMI	Kymi, Euboea I	2.59	321	P	Pn	15 57 00.0	-0.8
KYMI	Kymi, Euboea I	2.59	321	S	Pn	15 57 30.1	-1.7
KYMI	Kymi, Euboea I	2.59	321	S	AML	15 57 45.0	
KYMI	comp=E,7212µm,0.5s			AML	AML	15 57 45.6	
PRK	Paraskevi	2.60	1	P	Pn	15 56 59.6	-1.4
PRK	Paraskevi	2.60	1	S	Pn	15 57 31.2	-0.8
PRK	Paraskevi	2.60	1	P	Pn	15 56 59.4	-1.6
PRK	Paraskevi	2.60	1	AML	AML	15 57 50.6	
PRK	comp=N,19083µm,0.8s			AML	AML	15 57 55.4	
PRK	comp=E,17418µm,1.0s			AML	AML	15 57 55.4	
APMY	Acipayam-Deniz	2.62	71	Pn	Pn	15 57 01.7	+0.3
VLI	Velia	2.62	273	P	Pn	15 57 00.6	-0.8
VLI	Velia	2.62	273	P	Pn	15 57 01.3	-0.1
VLI	comp=E,9175µm,0.9s			AML	AML	15 57 53.5	
VLI	comp=N,6447µm,0.7s			AML	AML	15 57 59.5	
MAINT	Manisa	2.63	45	P	Pn	15 57 01.9	+0.3
AYVA	Ayvalik	2.69	8	Pn	Pn	15 57 00.3	-1.9
KULA	Kula-Manisa	2.70	46	Pn	Pn	15 57 02.9	+0.3
KULA	Kula-Manisa	2.70	46	P	Pn	15 57 02.4	-0.2
KNIK	Mula-Seydike	2.72	85	P	Pn	15 57 05.4	+2.6
VILL	Villia	2.75	304	P	Pn	15 57 02.2	-1.0

VILL	Golhisar	2.76	77	S	Sn	15 57 35.4	-0.5
GOLH	Kastellorizon	2.78	99	P	Pn	15 57 05.0	+1.9
KSL	Kastellorizon	2.78	99	P	Pn	15 57 05.0	+1.5
AKAS	Kas	2.78	98	Pn	Pn	15 57 04.5	+0.9
AKAS	Kas	2.78	98	P	Pn	15 57 05.1	+1.5
GNFR	Gutinatir-Canak	2.81	359	P	Pn	15 57 02.9	-1.1
VIL2	Platees	2.81	305	P	Pn	15 57 03.4	-0.5
VIL2	Platees	2.81	305	P	Pn	15 57 03.9	
VIL2	comp=E,28222µm,0.9s			AML	AML	15 57 57.5	
VIL2	comp=N,23016µm,0.6s			AML	AML	15 57 57.5	
LOCA	Conakaki, Ayy	2.85	359	P	Pn	15 57 03.2	-1.3
KOUT	Laurea	2.90	298	P	Pn	15 57 05.0	-0.1
INKE	Denizli-Bozkur	2.90	68	P	Pn	15 57 06.2	+1.0
LTCK	Loutraiki	2.92	299	P	Pn	15 57 05.2	-0.3
LTCK	Loutraiki	2.92	299	P	AML	15 57 59.7	
LTK	comp=N,79739µm,0.7s			AML	AML	15 58 05.6	
BUHA	Balikesir, Bur	2.93	13	P	Pn	15 57 04.7	-0.9
STEP	BALIKESIR_Sava	2.98	23	P	Pn	15 57 05.5	-0.8
ELL	Elmalı	2.98	87	Pn	Pn	15 57 07.4	+0.9
ELL	Elmalı	2.98	87	P	Pn	15 57 08.4	+1.9
ELL	Elmalı	2.98	87	P	Pn	15 57 09.3	+2.9
ELL	Elmalı	2.98	87	P	Pn	15 57 08.4	+1.9
USAK	Jak-Merkez	3.04	46	P	Pn	15 57 07.5	+0.3
DEMI	Demirci	3.11	39	Pn	Pn	15 57 08.6	+0.4
DEMI	Demirci	3.11	39	S	Pn	15 57 54.8	+2.3
DEMİ							





Table with columns: SEY, Seymour, 71.86 23 LR, 16 42 59.8, etc. Includes stations like Seymour, Paulatuk, Kuldur, etc.

Table with columns: LCAR, Lake Charles, 87.19 314 Iamb, 16 09 06.0, etc. Includes stations like Lake Charles, Black Hills, Bella Bella, etc.

Table with columns: ARLS, Aral, 0.96 75 I/P, 17 12 20.2 -1.7, etc. Includes stations like Aral, Manas, Anzhan, etc.

BER 10 16:10:03 1.2, 2.79:58N-2:71E, h10km, mb(Pn)3.0, ML1.4(DNK), Confirmed Earthquake

DKN 10 16:10:03 3.2, 2.79:53N-3:05E, h27km, 28km, ML 1.4

FCIAR 10 16:10:05 0.79:56N-3:08E, h10km, station OMEGA has station magnitude of 3.50

ISC 10 16:09:54.9-0.9, 79:51N-0:08-2:91E, 0:04, h10km, n15, c3:19/25, Greenland Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, etc. Lists station data for Kingsbay, Spitsbergen, etc.

IDC 10 16:55:25 1.2, 3.6:96S-131:92E, h0km, mb3.5/1, mbtmt3.4/4, ML3.4/3, Error ellipse: s-maj=56.5km

s-min=32.8km az=77.0, Tanimbar Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, etc. Lists station data for Baumata, Warramunga, Alice Springs, etc.

IDC 10 17:12:02 3.1, 8.41:51N-73:21E, h0km, mb3.5/1, mbtmt3.3/5, ML2.0/4, Error ellipse: s-maj=24.0km

s-min=14.0km az=157.0

ISU 10 17:12:02 9.1, 41:63N-73:22E, h12km

NNC 10 17:12:03 9.0, 41:65N-73:15E, h0km, mb4.3, mpv4.0, Error ellipse: s-maj=5.9km s-min=3.1km az=171.0

KRNET 10 17:12:03 1.0, 41:62N-73:17E, h25km, mb3.2

SOME 10 17:12:03 4.1, 41:63N-73:18E, h10km

KNET 10 17:12:05 4.0, 41:70N-73:23E, h17km, 4km, ml3.4, Error ellipse: s-maj=5.3km s-min=3.7km az=68.0

ISC 10 17:12:03 6.0, 9.41:62N-0:02-73:09E, 0:02, h16km, 8km, n109, c1975/178, 44C-39D, Kyrgyzstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, etc. Lists station data for Arslanbob, Arkit, etc.

KST	Kastek	2.56	55	eP	Pb	17 12 49.8 +0.5
KST	44nm,0.3s			eS	Sb	17 13 22.9 +2.3
KST	224nm,0.4s			eS	Pb	17 12 50.1 +0.8
KST	Kaste	2.56	55	Pg	Pb	17 13 23.0
DGS	Degeres	2.56	50	eP	Pb	17 12 49.6 +0.3
DGS	51nm,0.3s			eS	Sb	17 13 22.6 +2.0
DGS	189nm,0.5s			eS	Pb	17 12 49.6 +0.3
DGS	Degeres	2.56	50	Pg	Pb	17 13 22.6
DGS	189nm,0.5s			Lg	Lg	17 13 22.6
TGS	TashGRES	2.68	267	P	S	17 12 52.2 +0.9
TGS	TashGRES	2.68	267	P	S	17 13 31.0 +1.2
CHM	Chimkent	2.69	286	eP	Pg	17 12 55.9 +0.8
CHM	181nm,0.2s			eS	Sg	17 13 33.7 +3.7
BRLS	Borolday	2.79	301	eP	Pg	17 12 55.9 -1.2
BRLS	24nm,0.3s			eS	Sg	17 13 33.7 +0.5
BRLS	136nm,0.2s			eS	Pg	17 12 55.1 -2.0
BRLS	Borolday	2.79	301	Pg	Pg	17 13 33.3
BRLS	23nm,0.2s			Lg	Lg	17 13 33.3
KRBS	Karabastau	2.82	42	eP	Pb	17 12 53.7 +0.1
KRBS	22nm,0.2s			eS	Sb	17 13 30.2 +2.3
KRBS	190nm,0.5s			eS	Pb	17 12 53.7 +0.1
KRBS	Karabastau	2.82	42	Pg	Pb	17 12 53.7 +0.1
KRBS	22nm,0.2s			Lg	Lg	17 13 30.5
TAS	Tashkent	2.86	265	P	S	17 12 52.9 -1.4
TAS	Tashkent	2.86	265	P	S	17 13 32.3 -3.3
MTBS	Maitube	2.90	58	eP	Pg	17 12 55.2 +0.2
MTBS	20nm,0.2s			eS	Sb	17 13 32.3 +2.1
MTBS	116nm,0.6s			eS	Pb	17 12 55.2 +0.2
MTBS	Maitube	2.90	58	Pg	Pg	17 13 32.3
MTBS	20nm,0.2s			Lg	Lg	17 13 32.3
KUMR	Kumaryk	2.90	264	P	S	17 12 53.5 -1.5
KUMR	Kumaryk	2.90	264	P	S	17 13 33.4 -3.4
IZV	Izvestkoviy	2.97	60	eP	Pb	17 12 56.4 +0.1
IZV	19nm,0.4s			eS	Sb	17 13 34.2 +1.8
IZV	97nm,0.9s			eS	Pb	17 12 56.4 +0.1
IZV	Izvestkoviy	2.97	60	Pg	Pg	17 13 34.2
IZV	19nm,0.4s			Lg	Lg	17 13 34.2
KASK	Kaskelen	3.08	58	Pg	Pg	17 13 02.3 -0.3
KASK	Kaskelen	3.08	58	Pg	Pg	17 13 39.5
YNGY	Yangiyul	3.09	262	P	S	17 12 56.2 -2.0
YNGY	Yangiyul	3.09	262	P	S	17 13 38.6 +2.9
KDJ	Kajisay	3.10	79	eP	Pn	17 12 52.7 +0.6
KDJ	baz=79			eS	Sn	17 13 29.0 +0.1
TNSS	Tian-Shan	3.19	62	eP	Pb	17 13 00.5 +0.3
TNSS	10nm,0.2s			eS	Sb	17 13 41.6 +2.6
TNSS	44nm,0.6s			eS	Pb	17 13 00.4 +0.3
TNSS	Tian-Shan	3.19	62	Pg	Pb	17 13 00.4 +0.3
TNSS	10nm,0.2s			Lg	Lg	17 13 41.6
AAA	Alma-Ata	3.25	60	eP	Pb	17 13 01.4 +0.5
AAA	41nm,0.1s			eS	Sb	17 13 42.8 +2.5
AAA	115nm,0.5s			eS	Pb	17 13 01.5 +0.5
AAA	Alma-Ata	3.25	60	Pg	Pg	17 13 42.8
AAA	41nm,0.1s			Lg	Lg	17 13 42.8
AAA	Almaty	3.29	60	Pg	Pb	17 13 02.6 +1.0
AAA	17nm,0.3s			Pg	Pb	17 13 45.7
KNDC	KnDC	3.31	61	eP	Pb	17 13 03.3 +1.2
MDOK	Medeo	3.31	61	eP	Pb	17 13 46.3 +4.0
MDOK	28nm,0.3s			eS	Sb	17 13 02.7 +0.6
MDOK	57nm,0.6s			eS	Pb	17 13 03.3 +1.2
MDOK	Medeo	3.31	61	Pg	Pb	17 13 46.2
MDOK	11nm,0.3s			Lg	Lg	17 13 46.2
MDOK	28nm,0.3s			Lg	Lg	17 13 46.3
MDOK	64nm,0.7s			Lg	Lg	17 13 46.3
MDOK	57nm,0.6s			Lg	Lg	17 13 03.6 +0.5
KTBS	Karabote	3.38	51	eP	Pb	17 13 47.0 +3.1
KTBS	16nm,0.2s			eS	Sb	17 13 03.6 +0.5
KTBS	134nm,0.5s			eS	Pb	17 13 47.6
KTBS	Karabote	3.38	51	Pg	Pb	17 13 05.1 +1.7
KTBS	16nm,0.2s			Lg	Lg	17 13 47.6
KTBS	134nm,0.5s			Lg	Lg	17 13 05.1 +1.7
KOTS	Kotyrbulak	3.39	60	eP	Pb	17 13 49.8 -2.6
KOTS	18nm,0.4s			eS	Sg	17 13 05.4 +2.1
KOTS	133nm,0.8s			eS	Pb	17 13 49.8 -2.6
KOTS	Kotyrbulak	3.39	60	Pg	Pb	17 13 05.4 +2.1
KOTS	18nm,0.4s			Lg	Lg	17 13 49.8
BTLS	Baital	3.49	11	eP	Pb	17 13 06.7 +1.7
BTLS	25nm,0.2s			eS	Sg	17 13 51.8 -3.7
BTLS	63nm,0.4s			eS	Pg	17 13 07.7 -2.6
BTLS	Baital	3.49	11	Pg	Lg	17 13 51.0
BTLS	25nm,0.2s			Lg	Lg	17 13 51.0
ANVS	Anan yevoy	3.59	70	eP	Pn	17 12 59.4 +0.5
ANVS	baz=69			eS	Sn	17 13 40.5 -0.6
ANVS	63nm,0.4s			eS	Pb	17 13 08.8 +1.3
CHKK	Chushkaly	3.64	51	eP	Pb	17 13 05.8 +4.3
CHKK	5.9nm,0.2s			eS	Sb	17 13 55.8 +1.3
CHKK	98nm,0.3s			eS	Pb	17 13 55.8
CHKK	Chushkaly	3.64	51	Pg	Pb	17 13 55.8
CHKK	5.9nm,0.2s			Lg	Lg	17 13 55.8
CHKK	98nm,0.3s			Lg	Lg	17 13 19.6 +2.6
KURS	Kuram	4.19	62	eP	Pb	17 14 14.2 -4.0
KURS	5.9nm,0.3s			eS	Sg	17 13 19.6 +2.6
KURS	18nm,0.6s			eS	Pb	17 14 14.1
KURS	Kuram	4.19	62	Pg	Lg	17 14 14.1
KURS	5.9nm,0.7s			Lg	Lg	17 14 14.1
SATY	Saty	4.20	68	eP	Pb	17 13 18.8 +1.7
SATY	9.7nm,0.5s			eS	Sb	17 14 12.8 +5.2
SATY	24nm,0.4s			eS	Pb	17 14 12.8
SATY	Saty	4.20	68	Pg	Lg	17 14 12.8
SATY	9.7nm,0.5s			Lg	Lg	17 14 12.8
DZI	Dzhizak	4.26	251	P	S	17 13 12.9 -5.3
DZI	Dzhizak	4.26	251	P	S	17 14 13.2 +3.7
BXML	Bakhmal	4.30	245	P	S	17 13 15.8 -3.2
BXML	Bakhmal	4.30	245	P	S	17 14 20.8 -1.0
UZB	Uzynybulak	4.65	69	eP	Pb	17 13 26.7 +1.8
UZB	6.1nm,0.3s			eS	Sb	17 14 26.4 +5.6
UZB	13nm,0.5s			eS	Pb	17 13 25.8 +0.9
UZB	Uzynybulak	4.65	69	Pg	Lg	17 14 26.4
UZB	6.1nm,0.3s			Lg	Lg	17 14 26.4
BLB	Baldybastay	4.67	56	Pg	Pb	17 13 27.5 +2.2
BLB	41nm,0.3s			Lg	Lg	17 14 27.3
SHLS	Shalkode	4.96	70	eP	Pg	17 13 38.1 -0.5

SHLS	20nm,0.6s			eS	Sg	17 14 46.1 +3.1
SHLS	Shalkode	4.96	70	Pg	Pg	17 13 38.2 -0.5
SHLS	8.7nm,0.5s			Lg	Lg	17 14 46.1
PDGK	Podgornoye	5.03	68	Pg	Pb	17 13 34.0 +2.7
PDGK	2.0nm,0.4s			Lg	Lg	17 14 38.9
PDGK	9.9nm,0.6s			Lg	Lg	17 13 34.1 +2.7
PDGK	Podgornoye	5.03	68	Pg	Pb	17 14 39.0
PDGK	4.7nm,0.5s			Lg	Lg	17 14 39.0
KNOS	Knyriyev	5.24	57	Pg	Pb	17 13 37.0 +2.1
KNOS	8.5nm,0.3s			Lg	Lg	17 14 44.9
KNOS	21nm,0.6s			eP	Pg	17 13 45.9 +4.6
DJR	Jarkent	5.61	59	eP	Sg	17 14 58.8 -4.9
DJR	5.0nm,0.4s			eS	Sg	17 14 58.8 -4.9
DJR	11nm,0.3s			eS	Pg	17 13 44.7 +3.5
DJR	Jarkent	5.61	59	Pg	Pb	17 14 57.1
DJR	5.1nm,0.4s			Lg	Lg	17 14 57.1
OTUK	Ortayu	6.64	356	Pg	Pn	17 13 43.8 +3.2
OTUK	0.5nm,0.4s			Lg	Lg	17 15 31.3
OTUK	56nm,0.8s			Lg	Lg	17 14 04.1 +1.9
MAKZ	Makanchi	8.22	48	Pg	Pn	17 16 20.5
MAKZ	0.3nm,0.4s			Lg	Lg	17 16 20.5
MAKZ	6.2nm,0.8s			Lg	Lg	17 16 20.5
MK31	Makanchi Array	8.39	49	Pg	Pn	17 14 07.0 +2.5
MK31	0.7nm,0.4s,baz=229,slow=14,SNR=12			Lg	Lg	17 16 27.4
MK31	0.7nm,0.4s,baz=229,slow=14,SNR=12			Lg	Lg	17 16 27.4
MKAR	Makanchi Array	8.39	49	Pg	Pn	17 14 06.1 +1.6
MKAR	0.2nm,0.3s,baz=231,slow=14,SNR=7.4			Lg	Lg	17 16 24.7
MKAR	0.2nm,0.3s,baz=231,slow=14,SNR=7.4			Lg	Lg	17 16 24.7
MKAR	0.4nm,0.3s,baz=228,slow=27,SNR=3.1			Lg	Lg	17 17 08.1
MKAR	0.4nm,0.3s,baz=228,slow=27,SNR=3.1			Lg	Lg	17 17 08.1
KURBS	Kurchatov Arra	9.76	21	Lg	Lg	17 17 15.9
KURBS	0.1nm,0.3s,baz=195,slow=27,SNR=12.8			Lg	Lg	17 17 16.0
KURBS	Kurchatov Arra	9.76	21	Lg	Lg	17 17 16.0
KURBS	27nm,0.8s			Lg	Lg	17 17 16.0
KURK	Kurchatov	9.87	21	Lg	Lg	17 17 16.0
KURK	9nm,0.9s			Lg	Lg	17 14 48.1 +0.4
BVAR	Borovoye Array	11.55	352	Pn	Sn	17 16 52.9 -3.5
BVAR	baz=154,slow=10,SNR=8.0			Sn	Sn	17 18 05.2
BVAR	baz=154,slow=10,SNR=8.0			Sn	Sn	17 18 05.2
BVAR	baz=170,slow=26,SNR=3.7			Lg	Lg	17 18 05.2
BVAR	baz=149,slow=28,SNR=3.1			Lg	Lg	17 18 05.2
BVAR	0.3nm,0.3s			Lg	Lg	17 18 05.2
AKTO	Aktyubinsk	13.66	315	Pn	Pn	17 15 17.9 +1.3
AKTO	0.1nm,0.3s,baz=120,slow=12,SNR=2.7			Pn	Pn	17 15 17.9 +1.3
AKTO	0.1nm,0.3s,baz=120,slow=12,SNR=2.7			Pn	Pn	17 15 17.9 +1.3
ZALV	Zalesovo Beam	14.61	28	Pn	Pn	17 15 29.6 0.0
ZALV	0.2nm,0.3s,baz=213,slow=10,SNR=3.2			Pn	Pn	17 15 29.6 0.0
ZALV	0.2nm,0.3s,baz=213,slow=10,SNR=3.2			Pn	Pn	17 15 29.6 0.0
TORD	Torodi Ar. Bea	67.50	268	P	P	17 22 58.3 -0.8
TORD	0.2nm,0.4s,baz=43,slow=6.0,SNR=1.8			P	P	17 22 58.3 -0.8
TORD	0.2nm,0.4s,baz=43,slow=6.0,SNR=1.8			P	P	17 22 58.3 -0.8

IDC 10 17:14:58.4:2.3, 14.78N:89.55W,h0km,mb3.4/3,  
mbmp3.5/5,ML4.1/2,MS3.3/3,Error ellipse: s-maj=40.8km  
s-min=14.3km az=1.0

NEIC 10 17:15:00.8:1.8, 15.35N:0.02:89.65W:0.04,h10km,2km,  
mb3.9/8,Error ellipse: s-maj=6.0km s-min=3.9km  
az=107.0

CATAC 10 17:15:01.1:0.2, 15.36N:89.68W,h0km,ML4.8  
GCG 10 17:15:02.2:1.4, 15.34N:89.68W,h7km,33km,MD4.6  
ISC 10 17:15:00.0:1.2, 15.37N:0.02:89.65W:0.02,h0km,9km,  
n102,c122/163,mb3.4/3,8C-33D,Guatemala

Code	Station Name	A°	AZ°	Phase ID	Time	Res	ISC
MRL	Marmol	0.29	187	Pg	17 15 06.8 +1.2		
AVCB	Coban	0.74	278	Pg	17 15 14.0 -0.2		
AVCB	Coban	0.74	278	Pg	17 15 24.5 +0.7		
AVCB	Coban	0.74	278	Pg	17 15 34.5		
ESQI	Esquipulas	0.86	160	Pg	17 15 16.9 +0.5		
ESQI	Esquipulas	0.86	160	Pg	17 15 28.4 +0.9		
ESQI	Esquipulas	0.86	160	Pg	17 15 16.8 +0.3		
ESQI	Esquipulas	0.86	160	Pg	17 15 28.5 +0.9		
APG	El Apazote	0.87	245	Pg	17 15 16.2 -0.5		
APG	0.2nm,0.3s,baz=106,slow=12,SNR=665			LR	17 15 27.0		
APG	0.2nm,0.3s,baz=106,slow=12,SNR=665			LR	17 15 27.0		
APG	comp=Z,7.7nm,21.8s,baz=47,slow=31			Lg	17 15 28.7		
APG	comp=Z,137nm,0.3s,baz=227,slow=20,SNR=28			Lg	17 15 19.2 -0.1		
MT03	Montecristo	1.00	164	Pg	17 15 32.2 -0.1		
MT03	Montecristo						



Table with columns: Code, Station Name, Az, El, Phase ID, Time Res, ISC, and various station identifiers like BATI, BBSI, EDFI, etc.

JMA 10 18:38:00.6:0.9,46°N,8°15'2"E; h30km, MV4.5/11, KURILE ISLANDS REGION
MOS 10 18:38:02.3:1.6,46°11'N:152°35'E, h43km, mb4.4/1, Error ellipse: s-maj=14.1km s-min=8.5km az=53.8

SKHL 10 18:38:02.5:0.3,45°50'N:152°50'E, h44km, mb4.9/5
NEIC 10 18:38:04.7:2.0,46°25'N:0°1'152°3'E:0.2, h50km, 14km, mb4.0/3, Error ellipse: s-maj=24.4km s-min=11.9km az=144.0

IDC 10 18:38:06.1:3.1,46°29'N:152°39'E, h45km, 26km, mb3.2/8, mbtmp3.6/12, ML4.1/3, MS2.8/4, Error ellipse: s-maj=38.3km s-min=18.6km az=158.0

ISC 10 18:38:02.4:0.8,45°79'N:0°08'152°55'E:0.07, h41km, n63, c205/71, mb3.8/11, 11D, East of Kuril Islands

Main table with columns: Code, Station Name, Az, El, Phase ID, Time Res, ISC, and various station identifiers like KUR, SHO, YUK, NEM, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time Res, ISC, and various station identifiers like JCH, ERM, ERM, etc.

IDC 10 18:45:40.6:2.7,35°02'N:23°46'E, h0km, mb4.1/21, mbtmp4.1/28, ML4.0/5, MS3.3/11, Error ellipse: s-maj=16.4km s-min=12.7km az=3.0

MOS 10 18:45:41.7:1.1,34°93'N:23°35'E, h23km, mb4.5/17, Error ellipse: s-maj=7.7km s-min=3.9km az=78.2

ISK 10 18:45:43.2,34°88'N:23°31'E, h27km, ML3.8/21
GII 10 18:45:44.0:0.4,35°03'N:0°04:23°37'E:0.01, h60km, Mw3.9, confirmed

NEIC 10 18:45:46.2:4.3,34°95'N:0°09:23°37'E:0.03, h35km, 5km, mb4.4/71, Mw4.0/15, Error ellipse: s-maj=13.0km s-min=1.3km az=193.0, Moment Tensor Solution.

Moment tensor: Scale 10^19Nm; Mw=1.31; Mw0.68; Mw0.63; Mw0.15; Mw0.32; Mw0.26; Fault plane solution: M1: 2200x10^15 N; P1: 129.89000°; 838.03000°; -1.94.98000°; N2: 316.21000°; 852.13000°; -1.86.11000°. Principal axes: T 1.0149, P1g7.0000°, Azm43.0000°; N 0.3348, P1g3.0000°, Azm134.0000°; P -1.3498, P1g82.0000°, Azm247.0000°;

NEIC 10 18:45:46.34:96N:23:37E, h39km
BEO 10 18:45:46.2:0.7,35°09'N:22°73'E, h0km, ML4.3/5
ATH 10 18:45:46.2,34°91'N:23°33'E, h23km, 2km, ML3.7/17, Error ellipse: s-maj=3.2km s-min=1.3km az=49.0

MCSM 10 18:45:46.7:1.4,35°N:13°x2°3'E; h62km, 10km, mb4.0, mb4.2, ML4.4, Mw(mb)3.3
THE 10 18:45:47.8,34°96'N:23°33'E, h27km, 1km, ML3.6/7, Error ellipse: s-maj=1.1km s-min=0.5km az=148.0

PDG 10 18:45:48.7:0.7,34°99'N:23°53'E, h6km, 4km, ML4.4/12, Error ellipse: s-maj=2.9km s-min=2.2km az=90.0
TIR 10 18:45:48.4,35°67'N:22°63'E, h1km, 24km, MW4.1

NAO 10 18:45:54.6,36°34'N:24°92'E, h33km, mb3.9
AFAD 10 18:45:57.0:0.0,35°27'N:24°28'E, h35km, MW4.0
ISC 10 18:45:45.0:8.35,02°N:0°04:23°32'E:0.03, h35km, 3km, n448, c1978/470, mb4.4/66, MS3.1/5, 28C-11D, Crete

Table with columns: Code, Station Name, Az, El, Phase ID, Time Res, ISC, and various station identifiers like GVD, GVD, GVD, etc.

Main table with columns: IDI, Station Name, Az, El, Phase ID, Time Res, ISC, and various station identifiers like KSTL, KSTL, KSTL, etc.











10d 21h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, H03N3 Juan Fernandez, H03N2 Juan Fernandez, H03N1 Juan Fernandez, FINES FINESSE Array B, HFS Hagfors.

JMA 10 21:16:10.6:0.2,31°0N:0.8:14°3E; h54km, MV4.0/27, FAR E OFF IZU ISLANDS
IDC 10 21:16:11.8:3.1,30°57N:142°14E, h0km, mb3.4/4, mblmp3.5/7, ML3.2/3, Error ellipse: s-maj=113.9km s-min=17.9km az=70.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EOS2 EOSS, EOS3 EOSS, EOS4 EOSS, TWC Suao, ENT1 Santiao Chiao, TWB1 Nicidou, ENTT Datong, FUSB Fushanzhiwuyua, FUSB Datong, LATG Datong, LATG Suao, NACB Ninganchiao, NACB Datong, WFSB Wu-fen Shan, ETLH Xulin Townshi, ETLH Suao, NNBS Datong, YHNB Yeheng, YHNB Suao, NSK Sanguang, ETM Tongmen, ETM Suao, LXIB Xulin Townshi, LXIB Suao, WHF Hehuan Shan, WHF Suao, ESL Shilin, ESL Suao, TWT Tachien, TWT Suao, TDCB Tech, TDCB Suao, CHGB Renai, CHGB Suao, WARB Fenglin Townsh, WARB Suao, OWD Renai, OWD Suao, WUSB Renai, WUSB Suao, NSTT Nanjuang, NSTT Suao, WHP Taichung City, WHP Suao, HGPS Ruisui, HGPS Suao, HGSD Suao, VWDV VWDV, VWDV Suao, SMLT Sun Moon Lake, SMLT Suao, YULB Yu-li, YULB Suao, YULC Yuch, YULC Suao, TYC Suao, EHD Hailan, EHD Suao, ALS Alishan, ALS Suao, CHNS Tsaling, CHNS Suao.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BSO1 Boso 1, BSO2 Boso 2, BSO3 Boso 3, BSO4 Boso 4, JOD2 Odawara 2, JOD2 Suao, JYT Yasato, JYU Hanno, JHO Hitachi, JHO Suao, JRY Ryogami san, JRY Suao, JAG Ashipkaga, JAG Suao, MJAR Matsushiro Arr, MJAR Suao, MKAR Makanchi Array, MKAR Suao, KURBB Kurchatov Arra, KURBB Suao, WRA Warramunga Arr, WRA Suao, ASAR Alice Springs, ASAR Suao.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BSO1 Boso 1, BSO2 Boso 2, BSO3 Boso 3, BSO4 Boso 4, JOD2 Odawara 2, JOD2 Suao, JYT Yasato, JYU Hanno, JHO Hitachi, JHO Suao, JRY Ryogami san, JRY Suao, JAG Ashipkaga, JAG Suao, MJAR Matsushiro Arr, MJAR Suao, MKAR Makanchi Array, MKAR Suao, KURBB Kurchatov Arra, KURBB Suao, WRA Warramunga Arr, WRA Suao, ASAR Alice Springs, ASAR Suao.

NORS 10 21:30:57.7, 42°22N:43°64E, h7km, MPVA3.2
ISK 10 21:30:57.7, 42°40N:43°45E, h2km, ML1.9/7
AFAD 10 21:31:02.0:0.0, 42°26N:43°56E, h15km, 11km, ML1.8
ISC 10 21:30:57.5:1.1, 42°38N:0.02:43°61E:0.03, h6km, 10km, n23, c05140, Western Caucasus

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ONI Oni, ONI Suao, DIGR Digorskoe uzhe, DIGR Suao, GUDG Gudauri, GUDG Suao, LACR Lac, LACR Suao, KORR Kora, KORR Suao, LSNR Lesken, LSNR Suao, ARNR Ardon, ARNR Suao, AKH Akhalkalaki, AKH Suao, STRD Stavd-Durt, STRD Suao, EPOS Posof, EPOS Suao, NCK Naichik, NCK Suao, AHAN Ardahan-Merkez, AHAN Suao, AHAN Suao, KBTC Kubla-Taba, KBTC Suao, SHA1 Shidzhatmaz, SHA1 Suao, BATM Batumi, BATM Suao, EAK Aykaya, EAK Suao, KIV Kislovodsk, KIV Suao, BCA Borcka, BCA Suao, DAGI Agillar, DAGI Suao, DBAD Bademkaya, DBAD Suao, DBAD Suao, DBAD Suao, SENK Senkaya-Erzuru, SENK Suao, GNI Garni, GNI Suao.

JMA 10 21:32:51.8:0.2,25°N:3°123E:0.7, h161km, 3km, MV2.4/15, NW OFF ISHIGAKI JIMA IS, Northeast of Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JYNG Yonagunijimaku, JYNG Suao, IRIF Irimote-Funau, IRIF Suao, JISG Ishigakijimahi, JISG Suao, JIJ Ishigaki jima, JIJ Suao, JKRS Kuro-shima, JKRS Suao, JKTS Hatenuma jima, JKTS Suao, JHTJ Tarama, JHTJ Suao, JIRB Irabujima, JIRB Suao, JIKM Ikemajima, JIKM Suao, JM2J Miyako jima3, JM2J Suao.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EOS2 EOS2, EOS2 Suao.

2018 APR

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EEO3 EEO3, EEO3 Suao, EOS4 EOS4, TWC Suao, ENT1 Santiao Chiao, TWB1 Nicidou, ENTT Datong, FUSB Fushanzhiwuyua, FUSB Datong, LATG Datong, LATG Suao, NACB Ninganchiao, NACB Datong, WFSB Wu-fen Shan, ETLH Xulin Townshi, ETLH Suao, NNBS Datong, YHNB Yeheng, YHNB Suao, NSK Sanguang, ETM Tongmen, ETM Suao, LXIB Xulin Townshi, LXIB Suao, WHF Hehuan Shan, WHF Suao, ESL Shilin, ESL Suao, TWT Tachien, TWT Suao, TDCB Tech, TDCB Suao, CHGB Renai, CHGB Suao, WARB Fenglin Townsh, WARB Suao, OWD Renai, OWD Suao, WUSB Renai, WUSB Suao, NSTT Nanjuang, NSTT Suao, WHP Taichung City, WHP Suao, HGPS Ruisui, HGPS Suao, HGSD Suao, VWDV VWDV, VWDV Suao, SMLT Sun Moon Lake, SMLT Suao, YULB Yu-li, YULB Suao, YULC Yuch, YULC Suao, TYC Suao, EHD Hailan, EHD Suao, ALS Alishan, ALS Suao, CHNS Tsaling, CHNS Suao.

IDC 10 21:42:20.1:0.7, 35°33S:17°21W, h0km, mb4.2/8, mblmp4.2/8, MS4.2/43, Error ellipse: s-maj=24.0km s-min=2.1km az=7.0
NEIC 10 21:42:21.4:1.7, 35°55S:0.1:17°1W:0.1, h10km, 11km, mb4.8/30, Error ellipse: s-maj=24.3km s-min=18.4km az=166.0
GCMT 10 21:42:25.4:0.2, 35°57S:0.01:16°90W:0.01, h14km, 11km, MW5.0/113, Moment Tensor Solution. s35,c39; s113,c179; Duration: 0 Moment tensor: Scale 10^16Nm; M0=0.37±.12; M00=-1.41±.13; M01=1.79±.12; M02=0.29±.24; M03=3.47±.10; M04=168.00000; s86,0.00000; lambda=170.00000; NP=77.00000; s80,0.00000; lambda=4.00000; Principal axes: T=4.0420, Plg=0.0000, Azm=302.0000; N=0.3050, Plg79.0000; Azm187.0000; P=3.7300. Plg10.0000; Azm33.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H09W1 TRISTAN DA CUN, H09W1 Suao, H09N1 TRISTAN DA CUN, H09N1 Suao, SHEL Hailan Pasture, SHEL Suao, H10S2 ASCENSION HYDR6.46, H10S2 Suao, H10S3 ASCENSION HYDR6.46, H10S3 Suao, H10N1 ASCENSION HYDR2.57, H10N1 Suao, H10N3 ASCENSION HYDR2.58, H10N3 Suao, H10N2 ASCENSION HYDR7.59, H10N2 Suao, BB19B Bebedouro, BB19B Suao, SUR Sutherland, SUR Suao, BDFB Brasil, BDFB Suao, SDBA SAO DESIDERIO, SDBA Suao.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RCBR Rachiuelo, SOE Somerset East, CPUP Villa Florida, CPUP Antonio Jaco, GRHM Grahamstown, NBPS Branca-C, BOSA Boshof, BOSA Boshof, ANTJ Aquidauana, AODB Aquidauana, AODB SNA, RVDE Rio Verde, BDOQ Bodoquena, MURT Porto Murtinho, LBTT Lobatse, LBTT Lobatse, SNBS Nova Dou, SALV Santo Antonio, PMSA Palmer Station, PLCA Paso Flores, PTBL Pontes e Lacer, PTBL Pontes e Lacer, MATP Matopos, BBSD Serra de San D, PDRB Porto do Gas, MTO8 Bacoatoma, DBIC Dimbokro, SIV San Ignacio, MT09 Talagante, MT02 Curacav, NPGB Novo Progresso, LSZ Lusaka, AC01 Pan de Azucar, LVC Lima Verde, PB08 IPOC Station P, GOO1 Chusmiza, LPAZ La Paz, LPAZ La Paz, LPAZ La Paz, PB16 IPOC Station P, SAML Samuel, ETMB Extrema, TOAO Torodi Ar. Sit, TORD Torodi Ar. Be, TORD Torodi Ar. Be, MDP Montagnes des, MAW Mawson, QSPA South Pole Qui, QSPA South Pole Qui, QSPA South Pole Qui, QSPA South Pole Qui, MBAR Mbarara, CZSB Cruzeiro do Su, NNA Nana, ATAH Atahualpa, PCRV Puerto La Cruz, COHC Cochayacay, ROSC El Rosal, SDV Santo Domingo, VVDA Vanda, VVDA Vanda, MDT Middelt, CART Cartagena, KEST Kesara, ESCD Sonseca Array, ESCD Sonseca Array, VAE Valguarnera, JTS Las Justas, IDI Anoyia, IDI Anoyia, TIP Timbangranda, EIL Elat, MMAI Mount Meron Ar, ASF Jabal al Asfar, FUORN Ofenpass-Fuorn, FUORN Ofenpass-Fuorn, DAVOX Davos/Dischmat, TEIG Tepich, GERES Geres Array B, VRAN Vranov, CMIG Matias Romero, GURO Guromak-BITLI, GURI Guri, GNI Garni.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AKASG Malin Array Be, KBZ Khabaz, HO1W2 Cape Leeuwin H, etc.

BGR 10 21:49:48.9-0.7, 47:60N:9.08E, h22km, 1km, ML2, 1/10, Error ellipse: s-maj=2.2km s-min=1.1km az=16.0, ZUR 10 21:49:48.5, 47:59N:9.10E, h25km, MLh2, 3/72, Error ellipse: s-maj=85.4km s-min=40.7, 1km az=281.0, BUG 10 21:49:48.5-0.6, 47:63N:9.10E, h15km, 4km, MD2, 6/9, ML3, 0/9, STR 10 21:49:48.8-0.9, 48:14N:4.1, h5km, MLv2, 4/7, Error ellipse: s-maj=0.0km s-min=0.0km az=125.7, preliminary LDG 10 21:49:49.3-0.2, 47:57N:9.04E, h25km, ML2, 5/9, Error ellipse: s-maj=3.4km s-min=2.2km az=86.0, PRU 10 21:49:54.1, 47:83N:9.26E, h10km, ISC 10 21:49:48.9-0.8, 47:60N:0.02-9.07E, 0.01, h22km, 3km, n121, r1936/212, 43C-11D, Germany

Main table of station data for the left column, including stations like SKRK Kreuzlingen, K, WEIN Weingarten, KONZ Konstanz, etc.

Main table of station data for the right column, including stations like FELD, ROTHE Rothenfluh, A105A Obersdorf, etc.

Main table of station data for the right column, including stations like GOO2 Mina Guanaco, GO02 Mina Guanaco, etc.



λ-146.00000°, NP2;ϕ:183.00000°, δ65.00000°, λ-47.00000°
IDC 11 00:00:51.5-1.0, 43°18N-13°19E, hOkm, mb3.5/5,
mbmp3.5/12, ML3.3/5 Error ellipse: s-maj=18.5km
s-min=11.5km az=85.0
BEO 11 00:00:53.2-0.8, 43°09N-13°10E, hOkm, mb3.5/5,
PRU 11 00:00:53.4, 43°08N-13°33E, h10km
ISC 11 00:00:51.0-2.7, 43°05N-0°01E, 13°00E, 0.02, h7km, mb3.5/5,
n166, ϕ28/03/255, mb3.5/4, 34C-10D, Central Italy

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res, ISC. Rows include stations like Muccia, Frazio, Montelago di S, etc.

Table with columns: Station Name, Time, Res, ISC. Rows include stations like Norcia, San Severino M., Gualdo di Mace, etc.

Table with columns: Station Name, Time, Res, ISC. Rows include stations like Murbo, MURB, etc.







Table with columns for station ID, name, frequency, and other details. Includes stations like N25K, O20K, I20K, etc.

Table with columns for station ID, name, frequency, and other details. Includes stations like CRQM, BERG, CRQE, etc.

Table with columns for station ID, name, frequency, and other details. Includes stations like G16K, M29M, F17K, etc.

Code Station Name ... Time Res ...
IDC 11 00:34:56.8-1.8, 30.33N-87.88E, h0km, mb3.6/9,
mbmp3.7/11, ML3.7/2, MS3.1/6, Error ellipse:
s-maj=35.4km s-min=30.9km az=125.0
ISC 11 00:35:02.2-1.1, 30.4N-0.2, 88.0E-0.2, h41km, n15,
r15/10/11, mb3.6/9, MS3.3/3, Xizang

Table with columns: HFS, Hagfors, 56.45 325 P, 00 44 40.6 +1.0

Table with columns: NOA, NORSAR Array B, 57.61 326 P, 00 44 48.0 +0.2

Table with columns: TORO, Torodi Ar. Bea, 80.32 280 P, 00 47 09.3 -0.2

Table with columns: NEIC, 11 00:41:05.7±2.0, 11°04'S:163°19'E:0°10, h10km, 1km, mb4.7/46, Error ellipse: s-maj=18.2km s-min=12.9km az=52.0

Table with columns: NOU, 11 00:41:08.6, 10°70'S:163°54'E, h73km, mb5.1/23, Solomon Islands

Table with columns: IDC, 11 00:41:10.5±2.3, 11°30'S:163°16'E, h48km±20km, mb4.0/18, mtbpm4.3/20, ML3.3/2, MS3.6/16, Error ellipse: s-maj=20.1km s-min=13.0km az=67.0

Table with columns: ISC, 11 00:41:00.2±0.5, 11°23'S:160°163°22'E:0°08, h34km, n124, c1950/111, mb4.6/44, MS3.6/16, 1C, Bougainville-Solomon Islands region

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

Table with columns: HNR, Honiara, 3.68 299 P, 00 42 04.3 +0.6

Table with columns: HNR, Honiara, 3.68 299 Pn, 00 42 00.2 -3.6

Table with columns: HNR, Honiara, 3.68 299 P, 00 42 03.7 0.0

Table with columns: HNR, 16m, 0.6s, baz=146, slow=0.6, SNR=28 S, 00 42 40.8 +2.0

Table with columns: HNR, 16m, 0.4s, baz=120, slow=20, SNR=5.8 LR, 00 43 38.1

Table with columns: KOUNC, Koumang, New Ca, 9.33 174 Pn, 00 43 23.0 +1.6

Table with columns: LIFNC, LIFOU, 10.25 158 Pn, 00 43 34.1 +0.1

Table with columns: DZM, Mont Dzumac, 11.22 164 eLR, 00 46 19.0

Table with columns: DZM, Mont Dzumac, 11.22 164 Pn, 00 43 48.3 +1.0

Table with columns: DZM, Mont Dzumac, 11.22 164 Pn, 00 43 48.7 +1.4

Table with columns: DZM, 4.7m, 0.6s, baz=82, slow=21, SNR=1.5 S, 00 45 48.0 -3.6

Table with columns: DZM, 4.7m, 0.6s, baz=82, slow=21, SNR=1.5 LR, 00 47 33.6

Table with columns: ONTNC, Ouen Toro, 11.45 165 Pn, 00 43 50.8 +0.4

Table with columns: QUENC, Ouen Island, N, 11.66 163 Pn, 00 43 54.1 +0.9

Table with columns: PINNC, Pines Island, 12.02 161 Pn, 00 43 59.0 +0.7

Table with columns: KLR, Kul'dur, 66.26 338 LR, 01 19 56.2

Table with columns: VNSA, Vanda, 66.29 180 P, 00 51 56.6 +2.9

Table with columns: VNSA, Vanda, 66.29 180 P, 00 51 54.9 +1.2

Table with columns: HNS, HongShan, 66.38 319 pP, 00 51 56.9 +2.0

Table with columns: XLT, XILinhaoTe, 69.58 326 eP, 00 52 16.5 +1.5

Table with columns: XLT, XLT, 69.58 326 pP, 00 52 21.2 -2.3

Table with columns: XLT, XLT, 69.58 326 pP, 00 52 23.9 -3.5

Table with columns: XLT, XLT, 69.58 326 pP, 00 52 43.1 +5.5

Table with columns: XLT, 69.58 326 pP, 00 52 43.1 -1.9

Table with columns: CMAR, Chiang Mai Arr, 69.92 294 P, 00 52 16.8 -0.7

Table with columns: CMAR, 69.92 294 P, 01 25 06.6

Table with columns: HHC, Hu-ho-hao-te, 70.38 321 eP, 00 52 19.7 -0.3

Table with columns: HHC, 70.38 321 pP, 00 52 19.7 -0.3

Table with columns: HHC, 70.38 321 pP, 00 52 19.7 -0.3

Table with columns: PZH, PanZhiHu, 70.49 303 P, 00 52 21.2 +0.2

Table with columns: PZH, 70.49 303 pP, 00 52 21.2 +0.2

Table with columns: LZH, Lanzhou, 73.06 313 eP, 00 52 38.1 +1.8

Table with columns: LZH, 73.06 313 pP, 00 52 43.1 -1.9

Table with columns: L14K, Kuka Creek, 77.16 16 P, 00 52 58.9 -0.2

Table with columns: L14K, 77.16 16 P, 00 53 10.3

Table with columns: SONM, Songo Arr, 77.36 325 P, 00 52 58.3 -2.5

Table with columns: SONM, 77.36 325 P, 00 53 05.6

Table with columns: SONM, Songo Arr, 77.36 325 P, 00 53 00.3 -0.5

Table with columns: SONM, 77.36 325 P, 01 23 01.4

Table with columns: ASAR, S, Sn, 00 54 41.0 -6.8

Table with columns: MKAR, Makanchi Array, 68.11 327 P, 00 58 36.0 -0.1

Table with columns: NOU, 11 00:51:20.4, 28°79'S:179°96'E, h592km, mb4.5/36, Kermadec Islands Region

Table with columns: IDC, 11 00:51:26.0±0.8, 29°05'S:178°76'E, h560km±7km, mb3.7/15, mtbpm4.7/19, Error ellipse: s-maj=13.1km s-min=12.2km az=70.0

Table with columns: NEIC, 11 00:51:27.5±1.6, 29°15'S:178°80'E:0°1, h573km±6km, mb4.7/34, Error ellipse: s-maj=16.4km s-min=15.0km

Table with columns: ISC, 11 00:51:25.2±0.4, 29°11'S:178°80'E:0°07, h550km, n177, s179/194, mb4.6/40, 4C, Kermadec Islands region

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

Table with columns: RAO, Raoul Island, 2.89 94 P, 00 52 42.4 +2.8

Table with columns: RAO, Raoul Island, 2.89 94 P, 00 52 42.2 +2.7

Table with columns: OUZ, Omahuta, 7.51 214 P, 00 53 29.9 +4.9

Table with columns: WIAZ, Waiheke Island, 8.25 201 P, 00 53 22.7 +4.4

Table with columns: MKXZ, Matakaoa Point, 8.44 183 P, 00 53 28.0 +0.9

Table with columns: MKXZ, Matakaoa Point, 8.44 183 P, 00 53 27.5 +0.4

Table with columns: AWAZ, Awahitu Peninsula, 8.66 203 P, 00 53 36.6 +4.2

Table with columns: HAZ, Te Kaha, 8.67 185 P, 00 53 29.8 +0.4

Table with columns: WMGZ, Waioamotatini S, 8.69 182 P, 00 53 30.6 +0.9

Table with columns: PKGZ, Pakihiroa, 8.78 184 S, 00 55 10.0 -3.6

Table with columns: TGRZ, Tauranga, 8.85 193 P, 00 55 36.1 +4.8

Table with columns: RUGZ, Raukumara Rang, 8.88 186 S, 00 55 12.5 -3.2

Table with columns: TOZ, Tahuroa Road, 9.03 197 P, 00 53 35.1 +2.0

Table with columns: TWGZ, Tauwhareparae, 9.07 184 P, 00 53 31.6 -2.0

Table with columns: TWGZ, 9.07 184 P, 00 55 17.4 -1.6

Table with columns: OMANIA, Omania, 9.20 192 P, 00 53 32.7 -2.1

Table with columns: URZ, Urewera, 9.23 188 P, 00 53 35.2 +1.1

Table with columns: IDC, 11 00:47:50.6±7.9, 7°23'S:129°43'E, h134km±83km, mb3.0/1, mbt=3.0/4, Error ellipse: s-maj=71.6km s-min=28.1km az=33.0, Banda Sea

Table of astronomical observations for 11d Oh, listing stations (WB0, FORT, WRKA, etc.), object names (Warramunga Arr, Warramunga Arr, etc.), coordinates, and various parameters like SNR and position angles.

Table of astronomical observations for 2018 APR, listing stations (HFS, BNN, EMAL, etc.), object names (Hagfors, Bunyan, Mount Meron, etc.), coordinates, and various parameters like SNR and position angles.

Table of astronomical observations for 2018 APR, listing stations (NVAR, CMAR, MKAR, etc.), object names (Mina Array Bea, Chiang Mai Arr, etc.), coordinates, and various parameters like SNR and position angles.

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h	m	s	ISC
SMLA	comp=E,89nm,0.0s			IAML	01 02 52.7					
TKM2	comp=N,146nm,0.2s			Pn	01 01 29.8 +1.5					
TKM2	Tokmak 2 7.24 26 P			Pn	01 01 29.8 +1.5					
TKM2	SNR=3			P	01 01 29.8 +1.5					
TKM2	Tokmak 2 7.24 26 P			Pn	01 01 29.8 +1.5					
TKM2	comp=N,21nm,0.1s			JS	01 02 48.1 -2.3					
TKM2	comp=N,30nm,1.1s			JS	01 02 48.1 -2.3					
TARG	Taragay, Kyrgy 7.29 42 Pn			Pn	01 01 30.3 +1.2					
HRA	Herat 7.68 257 Pn			Pn	01 01 34.4 +0.5					
KUDL	Kundal 9.04 151 eP			Pn	01 01 57.4 +1.2					
KUDL	Alibeck 10.61 282 eP			Pn	01 03 35.5 -5.0					
GEYT	Alibeck 10.61 282 Pn			Pn	01 02 12.1 +0.1					
GEYT	Alibeck 10.61 282 P			P	01 02 12.4 +0.4					
GEYT	comp=N,1.6nm,0.3s,baz=100,slow=8.7,SNR=7.9			S	01 04 07.2 -3.3					
GEYT	comp=N,2.1nm,0.5s,baz=72,slow=21,SNR=2.1			S	01 02 12.2 +0.3					
GYAOB	ALIBECK ARRAY 10.61 282 Pn			Pn	01 02 41.6 -1.1					
MAKZ	Makanchi 13.17 35 Pn			Pn	01 02 43.7 -0.6					
MK31	Makanchi Array 13.17 35 Pn			Pn	01 02 43.6 -0.7					
MKAR	Makanchi Array 13.17 35 Pn			Pn	01 02 43.8 -0.5					
MKAR	Makanchi Array 13.17 35 Pn			Pn	01 02 43.8 -0.5					
KURBS	comp=N,1.1nm,0.3s,baz=211,slow=12,SNR=19			P	01 03 06.7 -0.9					
KURBS	Kurchov Arra 15.07 18 P			P	01 03 06.7 -0.9					
AB31	comp=N,0.8nm,0.7s,baz=204,slow=11,SNR=9.1			P	01 03 15.9 +5.9					
AB31	Abkula array 15.22 331 P			P	01 03 15.9 +5.9					
AB31	comp=N,3.2nm,0.6s,baz=145,slow=12,SNR=16.6			S	01 06 00.6 +0.7					
AB31	Abkula array 15.22 331 P			P	01 03 08.5 -1.0					
ABKAR	Abkula array 15.22 331 P			Pn	01 03 08.8 -0.7					
ABKAR	Abkula array 15.22 331 P			Pn	01 03 14.0					
ABKAR	IAMB			IAMB						
BVAR	comp=N,4.2nm,0.6s			JS	01 03 25.7 +1.1					
BVAR	Boroyev Array 16.56 358 P			P	01 03 23.6 -1.4					
BRVK	Boroyev 16.60 358 P			P	01 03 29.5 +0.9					
AKTO	Aktuybinsk 16.92 330 P			P	01 06 32.4 -2.3					
AKTO	comp=N,1.9nm,0.3s,baz=134,slow=9.3,SNR=7.5			S	01 03 35.6 +5.7					
AKTO	Aktuybinsk 16.92 330 P			P	01 06 42.4 +2.0					
AKTO	comp=N,2.4nm,0.8s			JS	01 03 31.2 -0.1					
WSAR	Wadi Sarin 17.14 223 P			P	01 03 31.2 -0.1					
UOSS	comp=N,2.3nm,0.6s,baz=111,slow=7.4,SNR=9.1			P	01 03 34.1 +0.9					
UOSS	Minazif 17.31 233 P			P	01 03 38.9					
UOSS	IAMB			IAMB						
ZAAO	comp=N,2.6nm,1.1s			JS	01 03 59.6 -0.6					
ZAAO	Zalesovo Array 19.84 24 P			P	01 03 59.8 -0.4					
ZALV	Zalesovo Beam 19.84 24 P			P	01 04 14.4 +0.2					
ZALV	comp=N,1.2nm,0.4s,baz=218,slow=7.8,SNR=5.5			P	01 04 54.9 -1.9					
GNI	Garni 21.13 288 P			P	01 05 14.2 -0.4					
GNI	comp=N,1.5nm,0.4s,baz=132,slow=18,SNR=1.5			S	01 05 03.0					
RAYN	Ar Rayn 25.71 247 P			P	01 05 14.2 -0.4					
RAYN	IAMB			IAMB						
PZH	PanZhiHua 27.70 102 P			P	01 05 14.2 -0.4					
PZH	comp=N,2.0nm,0.3s			pmax						
PZH	pmax			pmax						
BRTR	comp=N,1.00nm,4.3s			pmax						
BRTR	Keskin Array B 29.67 288 P			P	01 05 32.6 +0.7					
BRTR	comp=N,3.3nm,0.6s,baz=111,slow=9.9,SNR=4.0			P	01 05 47.8 -0.6					
HHC	Hu-ho-hao-te 31.55 70 eP			P	01 05 47.8 -0.6					
HHC	pmax			pmax						
HHC	comp=N,2.15nm,0.8s			pmax						
HHC	comp=N,2.110nm,5.4s			pmax						
ELL	Elmal 33.04 283 P			P	01 06 01.0 -0.4					
MLR	Muntele Rosu 35.00 299 P			P	01 06 18.9 +0.7					
MLR	comp=N,1.3nm,0.8s,baz=116,slow=6.4,SNR=5.4			P	01 06 39.8 -0.3					
FIA1	FINESS Array S 37.64 326 P			P	01 06 39.9 -0.2					
FINES	FINESS Array B 37.64 326 P			P	01 06 40.0 +0.0					
FINES	FINESS Array B 37.64 326 P			P	01 07 10.5 +0.6					
FINES	comp=N,1.8nm,0.8s,baz=121,slow=9.4,SNR=9.6			P	01 07 26.1 +0.1					
ARCES	ARCCESS Array B 41.26 338 P			P	01 07 35.2 -0.9					
ARCES	comp=N,2.0nm,0.9s,baz=110,slow=7.8,SNR=1.3			P	01 08 13.4					
HFS	Hagfors 43.23 322 P			P	01 07 35.2 -0.9					
HFS	comp=N,1.7nm,0.6s,baz=91,slow=12,SNR=7.7			P	01 07 35.6 -0.8					
NB201	NORSAR Array S 44.51 323 P			P	01 07 35.6 -0.8					
NB201	IAMB			IAMB						
NB2	comp=N,2.2nm,1.4s			P	01 07 35.8 -0.6					
NB2	NORSAR Subarra 44.54 323 P			P	01 07 36.2 -1.2					
NOA	NORSAR Array B 44.54 323 P			P	01 07 36.2 -1.2					
NOA	comp=N,2.0nm,0.7s,baz=96,slow=7.8,SNR=4.8			P	01 07 36.0 +0.2					
NC204	NORSAR Array S 44.78 323 P			P	01 08 09.0					
NC204	comp=N,1.4nm,1.4s			IAMB						
SPITS	Spitsbergen Ar 47.57 347 P			P	01 07 60.0 +0.2					
SPITS	comp=N,2.7nm,1.1s			P	01 28 55.7					
TGY	Tagaytay City 49.48 103 LR			LR	01 08 38.4 +1.6					
EKA	Eskdaleimr Ar 52.47 316 P			P	01 10 07.8 -2.1					
EKA	comp=N,2.2nm,1.0s,baz=60,slow=4.3,SNR=1.7			P	01 10 07.2 -2.6					
TOAO	Torodi Ar. Sit 65.96 269 P			P	01 10 07.6 -2.2					
TOAO	comp=N,4.3nm,1.4s			P	01 11 40.0 -1.5					
TORD	Torodi Ar. Bea 65.96 269 P			P	01 11 51.9 -1.2					
TORD	Torodi Ar. Bea 65.96 269 P			P						
TORD	comp=N,2.4nm,0.5s,baz=52,slow=6.8,SNR=10.0			P						
WRA	Warramunga Ar 81.78 122 P			P						
WRA	comp=N,0.5nm,0.5s,baz=323,slow=4.9,SNR=12			P						
ASAR	Alice Springs 84.05 125 P			P						
ASAR	comp=N,0.7nm,0.8s,baz=318,slow=5.4,SNR=5.6			P						
ASAR	comp=N,0.7nm,0.8s			P						

1DC 11 01:00:19.2-0.6, 19.22N-64.56W, h0km, mb3.9/14, mbmp4.0/16, ML2.9/2, MS3.7/39, Error ellipse:

s-maj=18.1km s-min=15.0km az=64.0

TRN 11 01:00:21.2, 19.49N-64.44W, h45km, MD0.0

RSRP 11 01:00:24.1, 19.30N-64.55W, h87km, MD3.9/21

NEIC 11 01:00:25.8, 1.9, 19.18N-0.06, 64.65W, 0.05, h43km, 7km, mb4.5/69, ML4.4/41, MD3.9/21 (RSRP), Error ellipse:

s-maj=9.5km s-min=6.0km az=198.0

ISC 11 01:00:19.6-1.0, 19.29N-0.04, 64.56W, 0.03, h4km, 6km, mb4.5/59, ML5/49, MS3.8/37, 7C-5D, Virgin Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h	m	s	ISC
HUMP	Col San Antoni 1.67 227 P			Pn	01 00 50.9 +1.2					
HUMP	Col San Antoni 1.67 227 eP			Pn	01 01 10.5 -1.0					
HUMP	Col San Antoni 1.67 227 P			Pn	01 00 50.9 +0.0					
HUMP	IAMB			IAMB	01 01 09.1 -2.4					
HUMP	IAMB			IAMB	01 01 21.6					
GCPR	comp=N,3.0nm,0.2s			Pn	01 00 51.3 +0.7					
GCPR	Guaynabo City 1.74 236 eP			Pn	01 01 14.8 +0.4					
GCPR	Guaynabo City 1.74 236 P			Pn	01 01 09.0 +0.0					
GCPR	Guaynabo City 1.74 236 Pn			Pn	01 01 09.0 -4.3					
SMRT	St. Maarten 1.87 131 eP			Pb	01 00 53.9 -0.4					
SMRT	St. Maarten 1.87 131 eS			Pb	01 01 18.0 -0.1					
SMRT	St. Maarten 1.87 131 Pn			Pn	01 00 53.8 +1.4					
SMRT	St. Maarten 1.87 131 Pn			Pn	01 01 16.2 -0.3					
SMRT	St. Maarten 1.87 131 Pn			Pn	01 01 23.8					
SMRT	comp=N,4.0nm,0.8s			IAMB	01 01 29.9					
IGPR	comp=N,4.0nm,0.7s			Pn	01 00 55.2 +1.5					
IGPR	InterUnsit 1.97 228 eP			Pn	01 01 20.3 +1.3					
IGPR	InterUnsit 1.97 228 Pn			Pn	01 00 54.4 +0.6					
IGPR	comp=N,2.0nm,0.3s			IAMB	01 01 27.1					
IGPR	comp=N,2.0nm,0.3s			IAMB	01 01 29.8					
EMPR	comp=N,3.0nm,0.2s			Pn	01 00 56.2 +1.7					
EMPR	Esperanza - Ma 2.03 247 P			Pn	01 01 21.9 +1.4					
EMPR	Esperanza - Ma 2.03 247 eS			Pn	01 00 55.3 +0.7					
EMPR	Esperanza - Ma 2.03 247 Pn			Pn	01 01 18.0 -2.4					
EMPR	IAMB			IAMB	01 01 28.4					

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h	m	s	ISC
EMPR	comp=N,3.0nm,0.2s			IAMB	01 01 37.4					



Table with columns: Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like T1219, T1220, MML1, CSP1, CESSAPALOMBO, etc.

IDC 11 01:18:02.74.2.53:04N:160.07E, h34km, 36km, mb3.5/6, mbmp3.7/6, Error ellipse: s-maj=82.0km s-min=29.4km az=175.0

KRSC 11 01:18:08.5.0.6.53:10N:157.98E, h172km, 5km, ML3.7

ISC 11 01:18:09.9.0.9.53:07N:006.158:10E:0.09, h169km, 6km, n44, c0.68/45, mb3.7/6, Near east coast of Kamchatka

Main station list table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like PETK, KRMR, INSR, etc.

IDC 11 01:24:19.9.1.6.3:04S:130.22E, h0km, mb3.9/7, mbmp3.9/8, ML3.9/1, MS3.2/1, Error ellipse: s-maj=140.2km s-min=20.7km az=73.0

DJA 11 01:24:22.0.3.3:3S:13.13OE, h10km, M3.8/7, mb4.0/2, ML3.6/7

ISC 11 01:24:23.9.0.8.2:95S:007.130:20E:0.06, h25km, n15, c1.68/16, mb3.9/6, Seram

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

Table with columns: Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like KURBB, BVAR, QSPA.

RSNC 11 01:24:24.4.0.6.1:2S:2.8'0W, h0km, mb4.5, mb4.7, ML3.2, Mw(mb)4.0

IGQ 11 01:24:27.1.0.3.1:3S:3.7'9W, h9km

IDC 11 01:24:28.1.1.2.1:34S:78.27W, h0km, mb3.5/3, mbmp3.8/6, ML3.9/3, MS3.4/3, Error ellipse: s-maj=53.0km s-min=23.0km az=73.0

ISC 11 01:24:25.7.1.2.1:48S:002.79:33W:0.03, h1km, 9km, n77, c1.55/90, mb3.6/3, Ecuador

Main station list table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like CHSH, IGUA, BIL2, etc.

ROM 11 01:38:44.3.0.0.43:064N:0002.13:044E:0.004, h9km, ML2.0/78, Error ellipse: s-maj=0.3km s-min=0.2km az=78.0, Central Italy

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like FDMO, T1220, MML1.

Main station list table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like MML1, FEMIA, SEFR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Includes stations like Montelago di S, Monte Mariano, Monte Umberto, etc.

ROM 11 01:39:30.2±0.1, 43.065N±0.003, 13.027E±0.004, h6km, ML1.7/34, 2C-2D, Error ellipse: s-maj=0.3km s-min=0.1km az=112.0, Central IZ

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Includes stations like Muccia, Frazio, Fiondimento, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Includes stations like Norcia, Campello sul C, etc.

IDC 11 01:40:49.8±2.9, 24.61S±69.96W, h0km, mb4.1/1, mbtmp4.0/4, ML3.9/3, MS2.7/1, Error ellipse: s-maj=89.3km s-min=4.0km az=102.0

NEIC 11 01:40:58.1±1.8, 24.03S±0.03, 70.3W±0.1, h60km±13km, mb3.7/1, Error ellipse: s-maj=13.2km s-min=4.2km

GUC 11 01:40:58.2±0.8, 24.05S±70.11W, h53km±2km, ML4.0, ISC 11 01:40:57.4±0.8, 24.03S±0.03, 70.23W±0.06, h58km±10km, n53, ±157771, 7C-2D, Near coast of northern Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Includes stations like IPOC Station P, Limon Verde, etc.

s-min=22.3km az=119.0, NEIC 11 01:43:15.8±2.3, 34.54S±0.06, 179.0W±0.1, h10km±1km, mb4.6/13, Error ellipse: s-maj=18.7km s-min=4.4km az=121.0

WEL 11 01:43:17.4±0.6, 35.5S±17.9W±1.0, h33km, ML4.4/31, mb4.9/13, ML4.9/37, MLv4.7/31, Mw(mb)4.2/13, Error ellipse: s-maj=0.0km s-min=0.0km az=115.5, confirmed

ISC 11 01:43:17.5±0.6, 34.47S±0.06, 178.87W±0.9, h35km, n102, ±1360/125, mb4.6/10, MS3.9/6, South of Kermadec

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Includes stations like Matakaoa Point, Pakihiroa, etc.





Table with columns: Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like AAK, MK31, MKAR, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like OJC, VYHS, RONA, etc.

AUST 11 02:28:48.1-9.3, 30'21S-149'82E, h10km, Error ellipse: s-maj=80.6km s-min=36.6km az=129.0, Minor explosion., New South Wales

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like ARMA, MGCD, YNG, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like CSS, CSS, CSS, etc.

NEIC 11 02:38:37.0-1.3, 56'26N-070'48W, h10km, Error ellipse: s-maj=12.4km s-min=1.8km az=149.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like KDIK, OHAK, OHAK, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like KAHC, P19K, AN1K, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like N17K, M19K, M18K, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like MKAR, KURBS, WRA, etc.

11d 3h

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like FUG Fuego 3, PCG Pacaya, STG3 Santiaguito 3, etc.

MEX 11 03:43:13.7±0.9, 14.48N:92.49W, h67km±27km, MD4.3
IDC 11 03:43:14.8±2.3, 14.47N:92.39W, h78km±16km, mb3.2/3,

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like THIG THIG, PATR El Naranjo, RTAL Retalhuleu, etc.

2018 APR

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like HUEH Huehuetenango, HUEH Huehuetenango, HUEH Huehuetenango, etc.

JMA 11 03:48:11.9±0.5, 30°14'N-4°13'8"E, h527km, MV3.8/12,
SHIKOKU BASIN
IDC 11 03:48:13.9±0.9, 30.48N:137.81E, h494km, 11km,

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like JMA 11 03:48:11.9±0.5, SHIKOKU BASIN, IDC 11 03:48:13.9±0.9, etc.

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Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like MJB9 Matsu-Tunnel, JNU Nakatsue, JNU Nakatsue, etc.

KRSC 11 03:59:45.0±1.2, 52.84N:159.83E, h68km±13km, M14.3,
Felt [I-III] at Petropavlovsk; [II] at lighthouse
Petropavlovskiy.

MOS 11 03:59:45.2±1.1, 52.80N:159.85E, h65km, mb4.2/8, Error
ellipse: s-maj=8.9km s-min=7.4km az=86.1

NEIC 11 03:59:48.1±1.1, 53.11N:160.05E, h159.5E±0.2, h74km, gkm,
mb4.1/61, Error ellipse: s-maj=13.8km s-min=6.6km
az=103.0

IDC 11 03:59:49.8±0.9, 53.15N:159.31E, h97km±7km, mb3.4/23,
mbtmp3.8/23, MS2.8/3, Error ellipse: s-maj=20.2km
s-min=12.6km az=165.0

ISC 11 03:59:46.3±0.7, 52.90N:160.04E, h159.76E±0.04, h70km±5km,
n196, ±158/221, mb4.0/63, 2C-1D, Off east coast of
Kamchatka Peninsula

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like SPN Mys Shipunski, SLC Nalytchevo, DALK Dalny, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like ASAK Asacha, PETK comp=E,387nm,0.3s, and many others.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like B22K Teshekpuk Lake, J25K Salcha River, and many others.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like GERES GERESS Array B, WRA Warramunga Arr, and many others.

11d 4h

2018 APR

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YKA, BRTR, PDAR, NEW, TORO, ANMO, ASF, KURBB, MKAR, ASAR.

LDG 11 04:41:51.5:0.1, 43.16N:10.84E, h8km, M13, 4/19, Error ellipse: s-maj=9999.9km s-min=9999.9km az=99.0

PRU 11 04:41:52.9, 43.08N:10.98E, h0km ROM 11 04:41:52.1:0.1, 43.134N:0.004:10.817E:0.006

IDC 11 04:41:53.4:0.9, 43.22N:10.94E, h0km, mb3.7/10, mbtmp3.7/17, ML4.0/5, MS3.1/5 Error ellipse:

ISC 11 04:41:52.8:0.8, 43.15N:10.02:10.82E:0.02, h7km, 5km, n218, 01558/243, mb3.8/9, 11C-8D, Central Italy

Main table of station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists numerous stations like TRIF, MAGO, FROS, CASP, CSNT, OSSC, ARCI, CELB, PII, SF01, SF04, MAON, MAIM.

Main table of station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists numerous stations like MAIM, MAST, MONT, MPPT, SACS, RUFU, CAFI, MTCR, POPM, LATE, BDI, CRE, MGAB, SEI, FNVD, ATMC, SSP9, VLC, SFI, ATMI, SARO.

Main table of station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists numerous stations like SARO, BADI, BRIS, EQUI, LMD, PLMA, PARC, ATLO, ATVO, ATPI, ZCCA, ZCCA, ZCCA, ZCCA, APEC, MURB, CPGN, PIEI, MTRZ, MOMA, ATCC, ATCC, TOLF, TOLF, CESX, FRON, GRAM, GRAM.

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Table with columns for station name, frequency, power, polarization, and coordinates. Includes stations like Pioggiaola, Sampolo, Esanatoglia, Arcevia, and various other locations.

2018 APR

Table listing various stations under the heading '2018 APR'. Includes stations like Varagna, Dosso Dosso, Monti di Nese, Trento, Gardas, Moncucco Torin, and many others.

11d 4h

Table listing stations under the heading '11d 4h'. Includes stations like Simiane la Rot, Terra Mystica, Sankt Quirin, Dava, Mota, Wata, Obka, Kba, Reta, Lesa, Soka, Vviv, Cabf, Bcio, Lasf, Arsa, Arzberg, Mola, Hinf, Hinf, Hinf, Cdf, Cdf, Cona, Rona, Geres, Geres, Smf, Smf, Ckrc, Khc, Mtlf, Lor, Avf, Avf, Pagf, Pagf, Sftf, Sftf, Sftf, Ssf, Caf, Bgf, Bgf, Mezf, Zvc, Tcf, Mods, Rjf, Vrac, Kest, Brg, Brg, Brg, Etsf, Ldf, Mlr, Akase, Hfs, Hfs, Noa, Noa, Fines, Tord, Geyt, Dbic, Bvar, Kurbb, Zalv, Mkar, Sonm, Yka, Ilar, Txar, Ilar.

TIR 11 04:48:12.4,38°19'N;16°35'E,h19km,10km,ML3.6  
ROM 11 04:48:12.9,0.1,37.731N;0.008-15.94E;0.01,  
h42km,1km,ML3.7/156,Error ellipse: s-maj=1.2km  
s-min=0.3km az=312.0  
BEO 11 04:48:14.8,0.6,38°27'N;15°35'E,h0km,ML4.0/7  
PDG 11 04:48:15.1,0.3,37.79N;15°35'E,h35km,3km,ML4.1/12,  
Error ellipse: s-maj=0.5km s-min=1.2km az=0.0  
ISC 11 04:48:11.6-1.2,37.80N;0.04-15.97E;0.03,h63km,7km,  
h157,01996/206,27C-24D,Sicily

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like Samo, Motta San Giov, Port Mandanici, Antillo, Novara, Placania, Milazzo, Pozzillo, Serra La Nave, Joppo, Monte Spagnolo, Augusta, Joppo, Pizzo Felice, S. M. di Licod, Ucria, Sortino, Vulcano Piano, Lentini, Lipari, Girifalco, and others.

Table with columns: MEU, GALT, ISTR, HVZN, HVCGR, CAGR, HMDC, HPAC, IFIL, SERS, SERS, RAFF, RAFF, CAR1, IACL, IACL, PETRA, PETRA, TIP, TIP, TIP, TIP, SPS2, SPS2, CSLB, CSLB, CSLB, RESU, RESU, GIB, GIB, LADO, CET2, CET2, CMDO, ALJA, PIPA, PIPA, TDS, TDS, TDS, FAVR, FAVR, SOLUN, SOLUN, SOLUN, SOLUN, MMN, SALB, SALB, MPG, MPG. Rows include stations like Monte Lauro, Gagliano Castle, Stomboli Gio, Agira, Modica, Pachino, Filicudi I Eol, Sersale, Raffo Rosso, Carolei, Alicudi, Petralia Sopra, Timpagrande, Spezzano della, Castelbuono, Resuttano, Gibilmanna, San Nicola del Cetararo, Montedoro, Pietrapaola, Terranova Siba, Favara, Solunto, Mormanno, San Lorenzo Be, and Monte Pellegr.

Table with columns: MPG, CORL, CUC, CUC, CUC, CUC, WDD, WDD, ORI, BULG, BULG, BULG, MGR, MGR, MGR, SIRI, SIRI, SIRI, SIRI, MBFT, MBFT, MBFT, MTSN, MTSN, MCEI, MCEI, MCEI, CMPR, CMPR, CMPR, CRAC, CRAC, CRAC, SLCN, SLCN, SLCN, MIGL, MIGL, MATE, MATE, TAR1, TAR1, TAR1, MRLC, MRLC, MRLC, MRLC, MRLC, ACER, ACER, ACER, ACER, SCCTE, SCCTE, SCCTE, SCCTE, NOCI, NOCI, NOCI, NOCI. Rows include stations like Corleone, Castrocuoco, Oriolo Calabro, Bulgheria - Ca, Morigerati, Monte Sirino, Monte Bonifato, Montesano sul, Monticello, Campora, Craco, Sala Consiliina, Miglionico, Matera, Taranto, Muro Lucano, Acerenza, Santa Cesarea, and Noci.



Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like Altamura, Mesagne, Linosa Island, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like Lazzi+263i, Prvonek, etc.

LDG 11 05:09:03.0-0.1, 44.55N-6.78E, h5km, Md1.2/1, Error ellipse: s-maj=1.2km s-min=0.7km az=61.0

STR 11 05:09:03.1-0.4, 45.12N-2.1E, h6km, MLv0.7/6, Error ellipse: s-maj=0.0km s-min=0.0km az=66.7, Preliminary, France

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Saint Ours, Jausiers, Crivoux, etc.

ISK 11 05:09:31.9, 41.02N-29.60E, h8km, ML2.9/16 AFAD 11 05:09:32.2-0.0, 41.01N-29.62E, h13km, 1km, ML2.8

ISC 11 05:09:32.1-0.9, 41.04N-0.02-29.62E, 0.01, h15km, 7km, n62, c080/99, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Kocaeli-Kirfe, SEMS, Istanbul-Kandi, etc.

OSMT Osmaniye 0.44 172 Pg Sb 05 09 40.8 0.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Kiliyos, Yalova, Merkez, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like Sarikakaya, Es, Esikehir, etc.

MRMT Marmara Adasi 1.60 255 Pn Pn 05 10 00.4 +0.5

EMET Ktahya-Emet 1.67 188 P S Sg 05 10 26.7 +0.7

DURS Dursunbey 1.68 212 P S Sb 05 10 24.3 +0.5

PHSR Pinarhisar 1.69 291 Pn Pn 05 10 02.3 +1.2

BLKS Balikesir-Sus 1.71 228 P S Sg 05 10 01.4 -0.1

ESK Eskisehir, Sey 1.77 144 S S Sg 05 10 20.1 +1.1

KNL Balikesir 1.77 245 P S Sg 05 10 02.6 +0.5

GONE Gonen-Balikesi 1.78 237 Pn Pn 05 10 03.4 +1.1

BKES Balikesir-Mer 1.84 225 P S Sg 05 10 26.7 +1.3

ARMN Korkir, Me 1.85 297 P Pn 05 10 04.2 +1.0

Yenicida 1.86 96 P S Sb 05 10 05.2 +1.6

SART Tirkidag 1.89 260 P Pn 05 10 03.6 -0.2

AUKIR Kirka- Seyitga 1.89 158 P S Sg 05 10 04.3 +0.4

GDZ Gediz 1.95 183 P S Sg 05 10 05.9 +1.2

Sevastopol' 4.60 39 Pm Pm 05 10 43.2 +2.2

TARU Tarkhankut 4.83 25 Pm Pn 05 10 44.4 +0.2

SPN Mys Shipunski 0.98 347 Op Pn 05 26 17.4 -0.1

RUS Russkaya 1.19 285 eP Sg 05 26 30.1 +0.3

NLC Nalytchevo 1.21 329 eP Sg 05 26 21.3 0.0

DALK Dalny 1.34 312 eP Sg 05 26 23.3 -0.4

MTRV Mutnovka 1.04 285 eP Sg 05 26 24.9 +0.4

INSR Institute 1.43 311 eP Sg 05 26 24.9 +0.4

UCLR Uglovka 1.47 319 eP Sg 05 26 25.3 -0.3

KDR Khotulka, Kamc 1.43 258 eP Sg 05 26 26.6 0.0

SMAR Somma 1.48 320 eP Sg 05 26 45.9 +0.1

AVH Avacha 1.51 319 eP Sg 05 26 26.4 0.0

KRMR Karymshinskiy 1.54 297 eP Sg 05 26 27.7 +0.7







Table with columns: ID, Name, Date, Time, Location 1, Location 2, Time, Location 3, Location 4, Location 5, Location 6, Location 7. Contains race data for various locations like Peebles, Miami Univ. Ec, Hart, Yuhua Desert, etc.

Table with columns: ID, Name, Date, Time, Location 1, Location 2, Time, Location 3, Location 4, Location 5, Location 6, Location 7. Contains race data for various locations like Blindstream Ca, Furnace Creek, OSI, WI Miller and, etc.

Table with columns: ID, Name, Date, Time, Location 1, Location 2, Time, Location 3, Location 4, Location 5, Location 6, Location 7. Contains race data for various locations like Bigot, Nana, Nana, Nana, Nana, etc.

11d 7h

Table with columns: YKA, Yellowknife Ar, 48.75 348 P, P, 07 39 19.7 -0.9, comp=Z,14nm,0.8s,baz=153,slow=6.7,SNR=85

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Table with columns: CTG, Chitna Glacier, 56.02 335 P, P, 07 40 14.8 0.0, comp=Z,2.35nm,1.1s,baz=116

700

Table with columns: A36M, Sachs Harbour, 59.05 349 Iamb, Iamb, 07 40 46.2, comp=Z,1.8nm,0.8s



Table containing station call signs, frequencies, and other technical details for stations starting with TIXI and ending with WMQ.

Table containing station call signs, frequencies, and other technical details for stations starting with WMQ and ending with ELDTW.

Table containing station call signs, frequencies, and other technical details for stations starting with TAW and ending with SNJT.



SSLB	Suanglung	1.30 327	P	Pn	07 39 51.7 -0.1
SSLB	Suanglung	1.30 327	P	Pn	07 39 51.6 -0.2
SSLB	Suanglung	1.30 327	P	Pn	07 39 51.5 -0.2
SSLB	Suanglung	1.30 327	P	Pn	07 39 51.4 -0.4
SSLB	baz=338		eS	Sn	07 40 07.6 -1.1
TWP	Hsiaoliuchiu	1.30 255	iP	Pg	07 39 54.9 +1.2
TWP	baz=253		S	Sg	07 40 11.5 +0.8
CHN3	Shinhua	1.31 287	iP	Pg	07 39 53.9 +0.2
CHN3	baz=287		iS	Sg	07 40 12.5 +1.7
SHHT	Tainan City	1.31 285	U	Pg	07 39 54.2 +0.5
SHHT	baz=285		S	Sg	07 40 13.2 +2.3
CHN5	Tsauling	1.31 313	iP	Pb	07 39 53.0 +0.2
CHN5	baz=320		iS	Sb	07 40 10.0 +0.7
LXIB	Kiulin Townshi	1.35 348	U	Pn	07 40 07.6 -1.0
LXIB	baz=349		S	Sn	07 40 51.7 -2.6
OWD	Renai	1.35 338	P	Pn	07 39 52.3 -0.3
OWD	baz=340		S	Sn	07 40 08.6 -1.6
WSSB	Gushan	1.35 268	P	Pg	07 39 54.9 +0.3
WSSB	baz=267		S	Sg	07 40 14.2 +2.1
TWD	Chiawan	1.38 355	U	Pn	07 39 52.2 -0.7
TWD	baz=6.0		S	Sn	07 40 08.4 -2.4
SSHA	Shanhua	1.39 289	eP	Pb	07 39 53.9 -0.1
SSHA	baz=289		S	Sg	07 40 14.8 +1.3
SMLT	Sun Moon Lake	1.40 328	iP	P	07 39 53.7 +0.4
SMLT	baz=335		iS	Sb	07 40 12.5 +0.6
WUSB	Renai	1.40 337	P	Pn	07 39 53.2 -0.2
WUSB	baz=338		S	Sn	07 40 09.6 -2.0
CHN2	Minshiang	1.42 306	iP	P	07 39 55.1 +0.6
CHN2	baz=307		iS	Sg	07 40 13.9 -0.4
TAI1	Yung-k'ang	1.42 284	eP	Pg	07 39 55.4 -0.4
TAI1	baz=285		S	Sg	07 40 13.6 -0.8
CHY	Chiayi	1.44 304	U	Pb	07 39 55.4 +0.7
CHY	baz=305		S	Sg	07 40 14.2 -0.7
TAI	Tainan	1.44 282	eP	Pg	07 39 57.9 +1.7
TAI	baz=283		S	Sg	07 40 14.2 -0.7
TYC	Yuch	1.44 327	iP	Pb	07 39 54.6 -0.2
TYC	baz=338		iS	Sn	07 40 12.9 +0.6
WJS	Zhushan	1.45 321	P	Pb	07 39 54.8 -0.1
WJS	baz=334		S	Sb	07 40 13.8 +0.7
CHGB	Renai	1.45 340	U	Pn	07 39 53.9 -0.1
CHGB	baz=350		eS	Sn	07 40 11.4 -1.3
WGK	Gukeng	1.45 313	iP	Pb	07 39 55.5 +0.5
WGK	baz=314		iS	Sg	07 40 14.7 -0.7
ETL	Fush Village	1.46 356	P	Pn	07 39 53.4 -0.6
ETL	baz=9.0		S	Sn	07 40 11.0 -1.8
WDLH	Douliu	1.47 312	U	Pb	07 39 55.8 +0.5
WDLH	baz=314		S	Sb	07 40 14.4 +0.7
NACB	Ninganchiao	1.48 355	P	Pn	07 39 53.7 -0.5
NACB	Ninganchiao	1.48 355	P	Pn	07 39 53.3 -0.9
NACB	Ninganchiao	1.48 355	U	Pn	07 39 53.1 -1.2
NACB	baz=7.0		S	Sn	07 40 10.1 -3.0
ICHU	Yijhu	1.48 297	U	Pb	07 39 55.5 0.0
ICHU	baz=298		S	Sb	07 40 14.1 0.0
WPL	Puli Township	1.49 332	P	Pn	07 39 55.1 +0.7
WPL	baz=340		eS	Sn	07 40 13.4 +0.1
SCLT	Jiali	1.49 289	iP	Pb	07 39 55.9 +0.3
SCLT	baz=290		iS	Sg	07 40 15.6 -0.9
WHF	Hehuan Shan	1.50 344	iP	Pn	07 39 54.4 -0.5
WHF	baz=345		S	Sn	07 40 11.9 -2.5
WNT	Mingjian	1.52 321	iP	Pb	07 39 56.4 +0.3
WNT	baz=323		iS	Sb	07 40 15.3 +0.3
DPDB	Guoxing	1.52 331	P	Pn	07 39 55.5 +0.7
DPDB	baz=339		S	Sb	07 40 15.2 0.0
EOS4	EOS4	1.52 21	eP	Sn	07 39 54.7 +0.2
EOS4	baz=22		S	Sn	07 40 12.4 -1.3
ETLH	Xiulin Townshi	1.52 352	P	Pn	07 39 54.1 -0.8
ETLH	baz=353		eS	Sn	07 40 12.1 -2.2
CHN8	Yiju	1.54 295	iP	Pb	07 39 56.5 +0.1
CHN8	baz=296		iS	Sb	07 40 16.2 +0.6
WNT1	Nantou City	1.54 322	P	Pb	07 39 57.0 +0.5
WNT1	baz=323		S	Sb	07 40 16.5 +0.8
WCS	Beigang Elemen	1.55 331	P	Pn	07 39 55.9 +0.8
WCS	baz=339		S	Sn	07 40 14.4 -0.5
TSCK	Chigu Township	1.57 287	U	P	07 39 56.2 +0.7
TSCK	baz=287		S	Sn	07 40 15.7 +0.2
WTK	Tuku	1.57 309	P	Pb	07 39 56.9 -0.2
WTK	baz=310		S	Sb	07 40 16.8 +0.1
WSL	Shuilin Townsh	1.60 301	P	Pb	07 39 57.3 -0.2
WSL	baz=302		S	Sb	07 40 17.8 +0.3
FUSS	Fushou	1.60 344	P	Pn	07 39 56.4 +0.2
FUSS	baz=357		S	Sn	07 40 15.4 -1.2
EAHA	Aohua	1.63 1	P	Pn	07 39 55.5 -0.8
EAHA	baz=13		S	Sn	07 40 15.3 -1.5
TWT	Tachien	1.63 342	iP	Pn	07 39 57.3 +0.8
TWT	baz=350		S	Sn	07 40 17.0 -0.2
TDCB	Techi	1.63 342	U	Pn	07 39 56.9 +0.4
TDCB	baz=350		eS	Sn	07 40 16.5 -0.7

WWF	Wufeng	1.64 325	P	Pb	07 39 58.4 +0.2
WWF	baz=327		S	Sb	07 40 19.6 +1.1
WWF	Szhu	1.67 304	iP	Pb	07 39 57.9 -0.8
WWF	baz=306		iS	Sb	07 40 19.1 -0.3
WSF	baz=306		iS	Sb	07 40 19.1 -0.3
EOS3	EOS3	1.68 19	eP	Pn	07 39 57.2 +0.4
EOS3	baz=17		eS	Sn	07 40 16.9 -0.9
WRL	Guolierlin Hig	1.72 314	P	Pn	07 39 58.7 +1.1
WRL	baz=316		S	Sn	07 40 19.3 +0.1
ENA	Nanau	1.72 1	iP	Pn	07 39 57.4 -0.3
ENA	baz=12		iS	Sn	07 40 18.3 -1.0
RLNB	Erlin	1.73 314	P	Pb	07 39 59.1 -0.5
RLNB	baz=315		S	Sb	07 40 20.7 -0.4
WHP	Taichung City	1.73 336	P	Pb	07 39 59.7 -0.1
WHP	baz=345		S	Sn	07 40 20.5 +1.1
TCU	Taichung	1.73 327	iP	Pb	07 39 59.8 0.0
TCU	baz=328		iS	Sb	07 40 22.0 +0.7
EWUT	Wuta	1.74 2	P	Pn	07 39 57.8 -0.1
EWUT	baz=13		S	Sn	07 40 18.3 -1.4
WCHH	Zhanghua	1.74 322	P	Pb	07 39 59.8 -0.2
WCHH	baz=323		S	Sb	07 40 22.6 +1.0
NNSB	Datong	1.75 350	P	Sn	07 39 58.1 -0.1
NNSB	baz=1.0		S	Sn	07 40 18.4 -1.7
NNSH	Datong	1.75 350	P	Pn	07 39 58.1 0.0
NNSH	baz=1.0		S	Sn	07 40 18.2 -1.9
WTCT	Taicheng	1.76 312	P	Pn	07 39 59.3 +1.1
WTCT	baz=313		iS	Sb	07 40 21.3 -0.8
NNS	Nan Shan	1.77 350	iP	Pn	07 39 58.6 +0.3
NNS	baz=1.0		S	Sn	07 40 19.5 -1.0
EOS2	EOS2	1.78 15	eP	Pn	07 39 59.4 +1.1
EOS2	baz=13		eS	Sn	07 40 21.1 +0.8
LATG	Datong	1.84 354	P	Pn	07 39 59.3 0.0
LATG	baz=355		eS	Sn	07 40 20.5 -1.8
TWQ1	Liyutan	1.86 332	iP	Pb	07 40 01.9 -0.1
TWQ1	baz=334		iS	Sb	07 40 25.1 +0.1
ESAO	Su ao	1.87 3	P	Pn	07 39 59.6 -0.1
ESAO	baz=14		S	Sn	07 40 21.3 -1.7
NDT	Datong Townshi	1.91 354	P	Pn	07 40 00.6 +0.4
NDT	baz=355		eS	Sn	07 40 23.2 -0.6
WDT	Suao	1.91 3	iP	Pn	07 40 05.5 +0.4
WDT	baz=14		iS	Sn	07 40 21.9 -1.8
WDJ	Dajia District	1.92 329	P	Pb	07 40 02.9 -0.1
WDJ	baz=331		S	Sb	07 40 26.3 -0.4
NSY	Sanyi	1.93 333	iP	Pb	07 40 02.4 -0.7
NSY	baz=335		iS	Sb	07 40 26.8 0.0
NDS	Dongshan	1.93 360	P	Pn	07 40 01.0 +0.5
NDS	baz=10.0		S	Sn	07 40 23.9 -0.3
ENTT	Nioudou	1.94 356	iP	Pn	07 40 00.9 +0.3
ENTT	baz=347		S	Sn	07 40 24.9 +0.3
WDGT	Dungji	1.98 287	iP	Pn	07 40 01.5 +0.3
WDGT	baz=287		iS	Sn	07 40 24.1 -1.5
YHNB	Yeheng	1.99 351	P	Pn	07 40 02.6 +1.2
YHNB	Yeheng	1.99 351	P	Pn	07 40 01.4 0.0
YHNB	Yeheng	1.99 351	P	Pn	07 40 02.1 +0.8
YHNB	baz=4.0		S	Sn	07 40 25.6 -0.3
NSK	Sanguang	2.00 350	iP	Pn	07 40 02.1 +0.6
NSK	baz=3.0		iS	Sn	07 40 24.8 -1.4
NFF	Wufeng Townshi	2.00 344	P	Pn	07 40 03.4 +1.9
NFF	baz=394		eS	Sn	07 40 26.9 +0.7
TWE	Neicheng	2.02 359	iP	Pn	07 40 02.2 +0.5
TWE	baz=9.0		eS	Sn	07 40 25.7 -0.7
NMLH	Miaoili	2.02 335	P	Pb	07 40 03.7 -1.0
NMLH	baz=350		S	Sn	07 40 28.3 +1.7
NSTT	Nanjuang	2.04 341	iP	Pn	07 40 03.5 +1.6
NSTT	baz=355		iS	Sn	07 40 28.6 +1.7
LIQB	Emei	2.05 342	P	Pn	07 40 04.0 +1.9
LIQB	baz=355		S	Sn	07 40 28.9 +1.6
FUSB	Fushanzhiwuyua	2.06 357	P	Pn	07 40 02.8 +0.5
FUSB	baz=8.0		eS	Sn	07 40 27.8 +0.2
ILA	lan	2.06 1	eP	Pn	07 40 02.3 0.0
ILA	baz=12		S	Sn	07 40 27.8 +0.3
JYNG	Yongunijimaku	2.08 32	eP	Pn	07 40 03.3 +0.8
JYNG	baz=356		eS	Sn	07 40 27.0 -0.9
NWLT	Wulai	2.08 354	P	Pn	07 40 03.2 +0.6
NWLT	baz=356		eS	Sn	07 40 17.0 -1.1
NJD	Zhudong	2.11 344	eP	Pn	07 40 05.1 +2.1
NJD	baz=333		S	Sb	07 40 32.6 +0.4
YOJ	Yonaguni jima	2.12 34	P	Pn	07 40 04.9 +1.8
YOJ	Yonaguni jima	2.12 34	P	Pn	07 40 04.6 +1.6
YOJ	Yonaguni jima	2.12 34	S	Sn	07 40 27.9 -1.0
YOJ	Yonaguni jima	2.12 34	P	Pn	07 40 04.9 +1.8
YOJ	baz=45		S	Sn	07 40 28.0 -1.0
PHUB	Peng-hu	2.14 293	P	Pn	07 40 03.5 +0.2
PHUB	baz=294		S	Sn	07 40 27.6 -1.9
EGS	baz=17		5 iP	Pn	07 40 04.6 +1.2
EGS	baz=17		iS	Sn	07 40 30.2 +0.6
HSN1	Hsinchu	2.17 343	eP	Pn	07 40 03.5 -0.2
HSN1	baz=345		S	Sb	07 40 33.4 -0.5

VCHM	Qimei	2.17 284	P	Pn	07 40 04.3 +0.5
VCHM	baz=285		S	Sn	07 40 29.6 -0.7
PNG	baz=285		iP	Pn	07 40 04.1 +0.3
PNG	Penghu	2.17 294	iP	Pn	07 40 29.1 -1.3
PNG	baz=295		iS	Sn	07 40 29.1 -1.3
SBCB	Hsinchu	2.19 342	eP	Pb	07 40 06.5 -1.2
SBCB	baz=344		S	Sb	07 40 34.1 -0.5
HSN	Hsinchu	2.21 342	P	Pb	07 40 07.8 -0.1
HSN	baz=330		iS	Sb	07 40 34.1 -0.8
NHDH	Xindian Distri	2.26 355	P	Pn	07 40 06.4 +1.3
NHDH	baz=357		S	Sn	07 40 32.4 -0.2
TIPB	Shuangxi	2.27 2	P	Pn	07 40 06.7 +1.5
TIPB	baz=12		S	Sn	07 40 32.6 -0.1
TATO	Taipei	2.28 355	P	Pn	07 40 06.8 +1.5
TATO	Taipei	2.28 355	P	Pn	07 40 07.0 +1.7
NCUH	Zhongli	2.31 348	eP	Pn	07 40 06.8 +1.0
NCUH	baz=350		S	Sn	07 40 35.9 +2.1
TWB1	Santiago Chiao	2.31 6	iP	Pn	07 40 06.3 +0.5
TWB1	baz=17		iS	Sn	07 40 33.4 -0.4
TAP	Taipei	2.34 355	eP	Pn	07 40 07.9 +1.8
TAP	baz=356		eS	Sn	07 40 35.2 +0.8
HATJ	Hateruma jima	2.34 54	P	Pn	07 40 06.8 +0.6
HATJ	baz=54		S	Sn	07 40 33.1 -1.4
WFSB	Wu-fen Shan	2.37 1	P	Pn	07 40 08.4 +2.0
WFSB	baz=2.0		S	Sn	07 40 36.0 +0.9
SX11	Grass Mountain	2.39 3	P	Pn	07 40 08.4 +1.5
SX11	baz=16		S	Sn	07 40 36.8 +1.0
TWS1	Kuangyinshan	2.41 353	iP	Pn	07 40 08.5 +1.5
TWS1	baz=6.0		iS	Sn	07 40 38.0 +1.9

11d 8h

Table with columns: ZAAO, ZALV, H11N1, H11N2, H11N3, H11S1, H11S2, KURK, KURBB, WRA, WRA, ASAR, ASAR, BVAR, BVAR, ABKAR, F15K, L14K, L14K, F17K, F17K, J16K, M16K, M16K, D19K, D19K, TTA, TTA, IMAR, CAST, CAST, TOLK, TOLK, MLY, SUA, RND, RND, ILAR, BMAR, SCM, EGAK, EGAK, BCAR, FINES, CTGM, CTGM, AKASG, INK, INK, F31M, F31M, HFS, NB2, NOA, YKA, NVAR

NNC 11 07:53:29.8, 1.3, 40.59N; 77.27E, h0km, mb3.5, mpv3.2, Error ellipse: s-maj=8.6km s-min=7.1km az=172.0

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

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Table with columns: SATY, SATY, UCH, UCH, MTBS, MTBS, MTBS, MTBS, KST, KST, KST, KST, KST, KNCD, KNCD, KOTS, KOTS, KOTS, KOTS, DGS, DGS, DGS, DGS, AAK, AAK, KURS, KURS, KURS, KURS, KTBS, KTBS, KTBS, KTBS, PDGK, PDGK, PDGK, KRBS, KRBS, KRBS, KRBS, ARXS, ARXS, ARXS, ARXS, MRKS, MRKS, MRKS, MRKS, DJR, DJR, DJR, DJR

NEIC 11 08:01:32.5, 0.7, 19.0N; 01:164.8W; 0.1, h35km, 2km, ML2.4/16, Md3.4/6(RSPR), Error ellipse: s-maj=19.9km s-min=14.4km az=140.0

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

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Table with columns: CRPR, ANBD, ANBD, SDDR

IDC 11 08:03:04.2, 0.9, 6.16S; 142.94E, h0km, mb4.0/8, mbtmp4.0/10, ML1.9/1, Error ellipse: s-maj=36.6km s-min=20.1km az=81.0

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

IDC 11 08:15:54.2, 0.7, 17.44S; 174.71W, h0km, mb4.1/9, mbtmp4.1/9, MS3.4/1, Error ellipse: s-maj=37.7km s-min=18.9km az=141.0

NEIC 11 08:15:54.2, 0.7, 17.27S; 01:10:174.5W; 0.1, h10km, 1km, mb4.6/20, Error ellipse: s-maj=21.9km s-min=16.4km az=100.0

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





Table with columns: WRO, Warramunga Arr, 23.56 150, P, P, 09 23 25.5 -0.7, 09 23 26.7, CHIR, Chirikof Lake S, 3.59 270, P, Pn, 09 37 00.2 -1.0, P16K, Nushagak River, 5.62 307, P, Pn, 09 37 29.9 +0.8

RSNC 11 09:18:44.5 0.0 7'N, 137°3'W, h139km, 2km, mb3.4, mb5.1, ML2.7, Mw(mb)4.5, Northern Colombia

Table with columns: Code, Station Name, A° AZ, Phase ID, Time, Res, BARC, Barichara, 0.23 201, Op, ISC, h m s ISC, 09 19 02.8 -1.1, P19K, Oil Pt, 4.26 332, Pn, IAML, 09 37 11.1 +0.7

MEX 11 09:18:53.1 0.3, 27.77N x 122.00W, h72km, 8km, MD3.7, Baja California

Table with columns: Code, Station Name, A° AZ, Phase ID, Time, Res, SRIG, Santa Rosalia, 0.49 206, Op, ISC, h m s ISC, 09 19 04.6 -1.4, P17K, Kvichak River, 5.04 313, P, Pn, 09 37 22.0 +1.0

NEIC 11 09:36:04.3 1.2 55.84N 0.09 149.2W 0.1, h8km, 7km, mb4.0/3, ML3.8/56, ML3.7(AEIC), Error ellipse: s-maj=13.0km s-min=9.1km az=174.0

IDC 11 09:36:05.3 0.9 55.90N 149.24W h0km, mb3.6/11, mbtmp3.7/16, ML3.4/5, MS3.3/9, Error ellipse: s-maj=23.3km s-min=15.6km az=37.0

AEIC 11 09:36:05.5 0.6 55.98N 0.07 149.25W 0.05, h10km, n308, s099/305, mb3.9/14, MS3.3/5, Gulf of Alaska

Table with columns: Code, Station Name, A° AZ, Phase ID, Time, Res, OHAK, Old Harbor, 2.56 301, Op, ISC, h m s ISC, 09 36 46.5 -0.5, G2AT, Goat Mountain, 5.20 25, Pn, Pn, 09 37 23.8 +0.5

Table with columns: CHIR, Chirikof Lake S, 3.59 270, P, Pn, 09 37 00.2 -1.0, CNPM, China Poot, 3.72 344, IAML, 09 37 03.2 +0.3, Q19K, Cape Douglas, 3.80 323, P, Pn, 09 37 05.1 +1.0

Table with columns: P16K, Nushagak River, 5.62 307, P, Pn, 09 37 29.9 +0.8, PMR, Palmer, 5.63 1, P, Pn, 09 37 29.9 +0.7, O17K, Koliganek Bris, 5.66 316, P, Pn, 09 37 30.0 +0.4

11d 9h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like SIT, MCK, K2K0, L16K, etc.

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11d 09:48:45.0, 8.2, 21.04S:68.24W, h125km, 7km, mb3.6/6, mbmp4.1/1.0, Error ellipse: s-maj=20.1km s-min=8.7km az=106.0

SJA 11 09:48:45.1±0.7, 21.07S:68.66W, h148km, 4km, MLL4.3, MW4.0

NEIC 11 09:48:45.4±2.5, 21.07S:0.05:68.81W±0.09, h155km, 6km, mb4.3/1.5, Error ellipse: s-maj=12.1km s-min=7.7km az=87.0

VAO 11 09:48:45.1±0.3, 20.88S:68.54W, h117km, 5km, mb4.2

GUC 11 09:48:46.5±0.4, 21.06S:68.59W, h103km, 4km, MLL4.2

ISC 11 09:48:45.1±0.6, 21.07S:68.48W±0.05, h155km, 5km, n161, r1951/199, mb4.2/1.1, 12C, Chile-Bolivia border

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like IPOC Station P, IPOC Station P, etc.

708

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like LPAZ, LPZ, AC01, AC02, etc.



11:00 10h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Port Moresby, Warramunga Arr, Alice Springs, Torodi Ar, Bea.

TIR 11 10:25:42.5, 40:31N, 149:42E, h18km, 1km, M13.0
THE 11 10:25:44.6, 40:29N, 149:38E, h4km, 1km, ML2.777, Error ellipse: s-maj=2.2km s-min=0.8km az=256.0

Main table for 11:00 10h section, listing various stations and their coordinates, phases, and times.

IDC 11 10:29:55.5, 1.8, 36:57N, 22:62E, h0km, mb3.97, mbtmp3.9/9, ML2.5/2, Error ellipse: s-maj=39.2km s-min=19.2km az=35.0

2018 APR

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like n52, 156/56, mb4.07, Central Mediterranean Sea.

Main table for 2018 APR section, listing various stations and their coordinates, phases, and times.

IDC 11 10:31:23.7, 0.5, 30:29S, 67:54W, h0km, mb4.6/17, mbtmp4.5/20, ML4.6/3, MS3.7/17, Error ellipse: s-maj=17.7km s-min=13.5km az=95.0

710

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PUNTA DE LOS L, CERRO LA CRUZ.

Main table for 710 section, listing various stations and their coordinates, phases, and times.

IDC 11 10:31:26.0, 1.9, 30:31S, 0:06:67.43W, h0.08, h38km, 5km, mb4.6/7.4, Error ellipse: s-maj=9.9km s-min=8.7km az=79.0









11d 13h

Table with columns: RES, Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Casey, NVAR, ELK, FINES, PDAR, AKASG, SMCO, HFS, NOA.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CIBINONG, LEM, SKJI, CIMERAK, WANAGAMA.

AFAD 11 12:07:09.4,0.0,38.92N:26.08E,h13km,3km,ML2.6
ATH 11 12:07:09.9,38.91N:26.14E,h11km,2km,ML2.3/11,Error
THE 11 12:07:10.4,38.95N:26.12E,h12km,1km,ML2.2/7,Error

Main table for 11d 13h section with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KARB, PRK, SGR, EAG, CHOS, AYVA, ZEDA, ZYE, BAYC, BOZC, BOZO, DGB, EFA, ECEA, SKY, GOAD, STEP.

2018 APR

Table with columns: SMG, Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Samos, Balya, Samothraki, SMTH, BKES, IZMR, Balikesir-Sus, Balikesir, Edirne/Enez-Ca, Apeiranthos, Amir-Kiraz, Tekirdag, Dursunbey, Manisa, Alexandroupoli, Demirci, Balikesir-Ban.

NEIC 11 12:28:02.3,1.1,7.24S:0.06:104.98E:0.07,h35km,1km,
mb4.1/22,Error ellipse: s-maj=13.7km s-min=7.8km
az=234.0

DJA 11 12:28:03.3,0.2,7.52:2.10:50E,h10km,M4.4/18,
mb4.5/12,mb4.8/2,MLv4.4/18,Mw(MB)4.0/2
IDC 11 12:28:10.6,2.9,6.86S:105.36E,h87km,22km,mb3.8/19,
mbmp4.1/21,MS3.1/4,Error ellipse: s-maj=29.8km
s-min=12.0km az=44.0

ISC 11 12:28:00.7,1.3,7.16S:0.04:105.20E:0.03,h16km,8km,
n89,+1946/84,mb4.2/29,MS3.0/4,Jawa

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SKJI, Serang, Tangerang, Kota Agung, Bandar Lampung, Cibinong, Liwa, Lem, LEM, Cimerak, Christmas Isla, Manna, KPJI, Palembang, Wanagama, UGM, Pwji, Pulau Pagai, PDSI, BLJI, SISI, JAGI, ABJI, mykom, GSI, GSI, PLAI, EDFI, KKM, TOLIZ, myldm, BATI, SOEI, PSAO, FITZ, KNRA, MTN, CMAR, NWAO, PALK, H01W3, H01W1, H01W2.

714

Table with columns: WRAB, WB2, WRO, ASAR, H0BS2, H0BS3, H0BS1, COEN, STKA, SKRS, SONM, USA0B, USRK, USRK, SIMJ, MK31, MKAR, H04N2, H04N1, H04N3, H04S1, H04S2, KURBB, GEYT, ZAAO, ZAAO, ZALV, ZALV, BVAR, RPZ, AKTO, ARU, PETK, NRK, BRTR, FINES, ARCES, TXAR. Includes station names and coordinates.

IDC 11 12:37:14.8,-44.5,0.4875N:48.74E,h0km,Error ellipse:
s-maj=150.3km s-min=119.6km az=43.0,Western

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like I31KZ, I43RU, I46RU.

IDC 11 12:41:31.6,-2.5,4.64N:-125.32E,h198km,23km,mb3.2/9,
mbmp3.7/9,MS2.8/1,Error ellipse: s-maj=34.7km
s-min=12.9km az=67.0

ISC 11 12:02:29.0,4.5N:0.1:125.3E:0.2,h176km,n11,
i160/12,mb3.5/9,Talud Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like DAV, WRA, CMAR, ASAR, ASAR, SKRS, ASAJ, SONM, MKAR, ZALV, KURBB, ILAR, TAP11, EHD, EHD, FULB, TWFI.



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and various station identifiers like PETK, KURBB, BVAR, etc.

ISN 11 14:33:38.0+1.9,38.05N;1.23W,h0km,mb2.91, mbtm3.1/3,ML2.9/2, Error ellipse: s-maj=29.5km s-min=16.5km az=44.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and various station identifiers like IDHR, IGHF, Iliam, etc.

IDC 11 14:37:40.0-1.9,38.05N;1.23W,h0km,mb2.91, mbtm3.1/3,ML2.9/2, Error ellipse: s-maj=29.5km s-min=16.5km az=44.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and various station identifiers like IBZA, BHD, IKFM, etc.

INMG 11 14:37:43.3+1.9,37.98N;1.41W,h12km,mb3.6/51, Error ellipse: s-maj=1.5km s-min=0.9km az=140.0

Large table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and various station identifiers like E001A, E1002, EMUR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and various station identifiers like EMOS, E0901, EADA, etc.

EMAL Malaga-Limoner 2.69 243 Pn Pn 14 38 261 +1.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and various station identifiers like EMAL, UCM, UCM, etc.

EMIJ Mijas 3.03 243 Pn Pn 14 38 295 +0.2

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and various station identifiers like ECAB, ECAB, ECAB, etc.

ESPA Espera 3.70 253 Pn Pn 14 38 400 +1.5

Large table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and various station identifiers like ESPR, ETOB, ETOB, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and various station identifiers like MVO, MESJ, MESJ, etc.

MESJ Messejana 5.37 270 ePn Pn 14 39 011 +0.1

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and various station identifiers like ELAN, ELAN, ELAN, etc.

ELAN Lanestosa 5.44 344 Pn Pn 14 39 038 +1.4

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and various station identifiers like PTEO, PCAS, PCAS, etc.

PCAS Casimio, Conde 5.87 293 ePn Pn 14 39 132 -2.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and various station identifiers like EARI, EARI, EARI, etc.

IDC 11 14:51:36.4+1.8,24.63N;141.144E,h152km,20km,mb3.1/6, mbtm3.5/7, Error ellipse: s-maj=40.9km s-min=17.4km az=86.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and various station identifiers like QUIF, QUIF, TORO, etc.

ISN 11 14:51:36.0+1.1,24.63N;141.144E,0.3,h148km,n7, #0567R,mb3.3/6,Volcano Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and various station identifiers like JCJ, WRA, ASAR, etc.

NEIC 11 14:56:41.1+0.5,36.29N;0.02-97.51W,0.01,h6km,2km, mb\_Lg2.0/3,ML2.0/29, Error ellipse: s-maj=2.6km s-min=0.7km az=150.0, Oklahoma

IDC 11 14:59:42.0.5,27.56N,140.15E,h449km,6km,mb3.4/19, mbtmp4.2/25, Error ellipse: s-maj=14.4km s-min=8.4km az=71.0

JMA 11 14:59:44.3,0.2,28.1N,141.0E,h482km,MV4.1/34,W OFF OGASAWARA

ISC 11 14:59:42.8,0.5,27.59N,140.06E,140.07E,0.10,h450km,n49, s=192.62,mb3.6/19, Bonin Islands region

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

NNC 11 15:12:45.0.0.2,43.24N,78.61E,h0km,mb3.2,mpv3.3, Error ellipse: s-maj=3.2km s-min=1.4km az=175.0

KRNET 11 15:12:45.3,0.1,43.20N,78.61E,h18km,mb3.0

SCME 11 15:12:46.3,43.23N,78.58E,h15km

ISC 11 15:12:45.8,0.8,43.23N,0.02E,78.58E,0.02,h9km,6km, n54,s1513/101,15C-10D,Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations for the Lake Issyk-Kul region.

Main table with columns: SATY, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains the majority of seismic event data.

Table with columns: KRBS, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations in the Karabastau region.

IDC 11 15:13:35.5,0.9,19.50N,64.45W,h0km,mb3.6/10, mbtmp3.8/13,ML,3.3,M3.3/10, Error ellipse: s-maj=22.5km s-min=19.4km az=179.0

NEIC 11 15:13:41.3,2.3,19.17N,0.04,64.54W,0.04,h44km,10km, mb4.3/20,ML4.2/40,MD4.2/11(RSPR), Error ellipse: s-maj=7.5km s-min=2.3km az=129.0

RSPL 11 15:13:42.6,19.20N,64.62W,h8km,15km,MD4.2/11

OSPL 11 15:13:43.0,2.5,19.36N,64.59W,h29km,193km,ML4.3

ISC 11 15:13:41.5,1.3,19.16N,0.07,64.55W,0.03,h49km,14km, n117,s1543/126,mb4.1/19,M3.2/7,7C-7D, Virgin Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations in the Virgin Islands region.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BIM Bigot, SC01 Santiago de lo, MDDP Morne Pois Mar, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KRSC 11 15:14:18.9, TUMD Tumrok D, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like NLC Nalytchevo, NLC NLC, KRX Arik, etc.

Code Station Name Az Phase ID Time Res ISC
IDC 11 15:26:14.3, 1.7, 3.00N, 127.87E, h0km, mb3.8/9, mbmp3.8/9, Error ellipse: s-maj=199.6km s-min=16.3km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SGSI Sanghie, TMTI Ternate, LBMI Labuha, etc.

IDC 11 15:30:17.8, 3.2, 39.92S, 178.67E, h0km, mb3.5/2, mbmp3.5/3, ML3.5/1, Error ellipse: s-maj=76.9km s-min=38.1km az=63.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MXZ Matakaoa Point, WMGZ Waionatini S, PKGZ Pakihiroa, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like URZ Urewera, URZ Urewera, URZ Urewera, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like TOZ Tahuroa Road, KUTZ Kaahu Road, BKZ Black Stump Fm, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, NEIC 11 15:49:41.0, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like HOPE Hope Point, VNA3 Neumayer-Olymp, VNA2 Neumayer-Watz, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BOSA Boshof, BOSA Boshof, PTLB Pontes e Lacer, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like VNA4 Vanda, VNA3 Vanda, LPAZ La Paz, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SAML Samuel, BOAV Boa Vista, LIC Lamto, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KIC Kosan Boka, TIC Toumudi, DBIC Dimbokro, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like TOAO Torodi Ar. Sit, TORO Torodi Ar. Be, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KEST Kesra, PD31 Pinedale Array, PDAR Pinedale Array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Art, ABKAR Abkualak array, ARCES ARCES Array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BVAR Borovey Array, YKA Yellowknife Ar, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KURB Kurchatov Arr, ZALV Zalesovo Beam, A36M Sachs Harbour, etc.





11d 16h

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like NIZA, NORC, Dabeiba, Bahia Solano, Pizarro, Choco, etc.

IDC 11 16:38:32.91.6.3.93N:126.83E, h0km, mb3.4/5, mbmp3.4/5, Error ellipse: s-maj=16.1km s-min=21.3km az=68.0

DJA 11 16:38:33.8.1.3.3.17N:17.12.8E, h122km,30km, M1.8/9, mb3.8/7, mB4.4/1, MLV3.8/9, Mw(mB)3.5/1

ISC 11 16:38:31.3.1.2.32N:0.1.128.0E:0.1, h50km, n12, o=674/10, mb3.5/5, Talaud Islands

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like TNTI, LBMI, SWI, SANI, etc.

GUC 11 16:44:01.8.0.6.27.10S:72.22W, h11km, 21km, ML4.4

SJA 11 16:44:02.8.0.6.27.08S:72.08W, h11km, 3km, ML4.4, MW4.1

IDC 11 16:44:05.7.0.5.27.22S:71.85W, h0km, mb4.5/13, mbmp4.5/16, ML4.5/3, MS3.6/16, Error ellipse: s-maj=22.6km s-min=15.0km az=77.0

NEIC 11 16:44:07.4.2.27.18S:0.05:71.95W, h0km, 1km, mb4.9/36, Mw4.3/18, Error ellipse: s-maj=12.9km s-min=8.4km az=277.0, Moment Tensor Solution.

Moment tensor: Scale 10^19Nm; Mrr=3.29; Mth=0.04; Mtt=3.35; Mtt=0.16; Mtt=1.31; Mrr=0.21; Fault plane solution: M=3.57000x10^15 Np1=0.20331000, P=43.97000, N=83.71000, N1P2=14.60000, S=46.36000, A=96.04000

Principal axes: T: 3.7835, P1: 0.0000, Azm1: 09.0000; N: -0.4695, P1: 0.0000, Azm1: 19.0000; P: -3.3140, P1: 0.0000, Azm1: 214.0000

NEIC 11 16:44:07.3.27.19S:71.94W, h10km VAO 11 16:44:12.4.1.8.26.92S:71.71W, h19km, 13km, mb4.4

ISC 11 16:44:04.9.1.1.27.05S:0.03:72.18W, h0.05, h12km, n77km, o229/158, mb4.9/27, MS3.8/12, 7C-3D, Off coast of northern Chile

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like AC04, AC05, AC06, AC07, AC08, AC09, AC10, AC11, AC12, AC13, AC14, AC15, AC16, AC17, AC18, AC19, AC20, AC21, AC22, AC23, AC24, AC25, AC26, AC27, AC28, AC29, AC30, AC31, AC32, AC33, AC34, AC35, AC36, AC37, AC38, AC39, AC40, AC41, AC42, AC43, AC44, AC45, AC46, AC47, AC48, AC49, AC50, AC51, AC52, AC53, AC54, AC55, AC56, AC57, AC58, AC59, AC60, AC61, AC62, AC63, AC64, AC65, AC66, AC67, AC68, AC69, AC70, AC71, AC72, AC73, AC74, AC75, AC76, AC77, AC78, AC79, AC80, AC81, AC82, AC83, AC84, AC85, AC86, AC87, AC88, AC89, AC90, AC91, AC92, AC93, AC94, AC95, AC96, AC97, AC98, AC99, AC100, AC101, AC102, AC103, AC104, AC105, AC106, AC107, AC108, AC109, AC110, AC111, AC112, AC113, AC114, AC115, AC116, AC117, AC118, AC119, AC120, AC121, AC122, AC123, AC124, AC125, AC126, AC127, AC128, AC129, AC130, AC131, AC132, AC133, AC134, AC135, AC136, AC137, AC138, AC139, AC140, AC141, AC142, AC143, AC144, AC145, AC146, AC147, AC148, AC149, AC150, AC151, AC152, AC153, AC154, AC155, AC156, AC157, AC158, AC159, AC160, AC161, AC162, AC163, AC164, AC165, AC166, AC167, AC168, AC169, AC170, AC171, AC172, AC173, AC174, AC175, AC176, AC177, AC178, AC179, AC180, AC181, AC182, AC183, AC184, AC185, AC186, AC187, AC188, AC189, AC190, AC191, AC192, AC193, AC194, AC195, AC196, AC197, AC198, AC199, AC200, AC201, AC202, AC203, AC204, AC205, AC206, AC207, AC208, AC209, AC210, AC211, AC212, AC213, AC214, AC215, AC216, AC217, AC218, AC219, AC220, AC221, AC222, AC223, AC224, AC225, AC226, AC227, AC228, AC229, AC230, AC231, AC232, AC233, AC234, AC235, AC236, AC237, AC238, AC239, AC240, AC241, AC242, AC243, AC244, AC245, AC246, AC247, AC248, AC249, AC250, AC251, AC252, AC253, AC254, AC255, AC256, AC257, AC258, AC259, AC260, AC261, AC262, AC263, AC264, AC265, AC266, AC267, AC268, AC269, AC270, AC271, AC272, AC273, AC274, AC275, AC276, AC277, AC278, AC279, AC280, AC281, AC282, AC283, AC284, AC285, AC286, AC287, AC288, AC289, AC290, AC291, AC292, AC293, AC294, AC295, AC296, AC297, AC298, AC299, AC300, AC301, AC302, AC303, AC304, AC305, AC306, AC307, AC308, AC309, AC310, AC311, AC312, AC313, AC314, AC315, AC316, AC317, AC318, AC319, AC320, AC321, AC322, AC323, AC324, AC325, AC326, AC327, AC328, AC329, AC330, AC331, AC332, AC333, AC334, AC335, AC336, AC337, AC338, AC339, AC340, AC341, AC342, AC343, AC344, AC345, AC346, AC347, AC348, AC349, AC350, AC351, AC352, AC353, AC354, AC355, AC356, AC357, AC358, AC359, AC360, AC361, AC362, AC363, AC364, AC365, AC366, AC367, AC368, AC369, AC370, AC371, AC372, AC373, AC374, AC375, AC376, AC377, AC378, AC379, AC380, AC381, AC382, AC383, AC384, AC385, AC386, AC387, AC388, AC389, AC390, AC391, AC392, AC393, AC394, AC395, AC396, AC397, AC398, AC399, AC400, AC401, AC402, AC403, AC404, AC405, AC406, AC407, AC408, AC409, AC410, AC411, AC412, AC413, AC414, AC415, AC416, AC417, AC418, AC419, AC420, AC421, AC422, AC423, AC424, AC425, AC426, AC427, AC428, AC429, AC430, AC431, AC432, AC433, AC434, AC435, AC436, AC437, AC438, AC439, AC440, AC441, AC442, 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s-maj=13.4km s-min=10.4km az=44.0  
 AEIC 11 16:44:12.1, 1.4, 60.58N, 0.02:147.61W, 0.04, h7km, 1km,  
 ML4.1, mb4.3/24(NEIC), ML2.1/22(NEIC),  
 MwR4.0/113(NEIC), Error ellipse: s-maj=3.3km  
 s-min=2.7km az=198.0  
 NEIC 11 16:44:12.4, 1.5, 60.60N, 0.03:147.61W, 0.06, h25km, 5km,  
 Error ellipse: s-maj=4.2km s-min=3.9km az=94.0, Moment  
 Tensor Solution. Moment tensor: Scale 10<sup>15</sup>Nm;  
 M<sub>11</sub>=0.78; M<sub>22</sub>=0.14; M<sub>33</sub>=0.92; M<sub>12</sub>=0.53; M<sub>13</sub>=0.16; M<sub>23</sub>=0.83;  
 Fault plane solution: M<sub>11</sub>3.1000×10<sup>15</sup> NP;  
 σ<sub>1</sub>=206.94000°; σ<sub>2</sub>70.24000°; σ<sub>3</sub>74.85000°; N<sub>1</sub>-74.85000°;  
 φ<sub>1</sub>=349.26000°; φ<sub>2</sub>47.71000°; φ<sub>3</sub>-126.03000°. Principal axes:  
 T 1.3424, P1g24.0000°, Azm285.0000°; N -0.0590,  
 P1g14.0000°, Azm22.0000°; P -1.2834, P1g62.0000°,  
 Azm140.0000°;  
 NEIC 11 16:44:12.1, 60.58N, 147.61W, h7km  
 ISC 11 16:44:10.9, 1.2, 60.56N, 0.03:147.62W, 0.02, h18km, 6km,  
 n453, s0998/452, mb4.2/30, MS3.4/17, Southern Alaska

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	h	m	s	ISC	Time	Res
GLI	Glacier Island	0.41	39			Pb	16	44	20.0	+0.3		
GLI	Glacier Island					Sb	16	44	25.9	+0.4		
GLI	Glacier Island					Pb	16	44	27.4			
GLI	Glacier Island	0.41	39	P		Pb	16	44	19.8	+0.2		
GLI	Glacier Island					S	16	44	25.9	+0.3		
HIN	Hinchinbrook I	0.58	106			Pn	16	44	23.9	-0.4		
HIN	Hinchinbrook I					Sg	16	44	32.7	-0.6		
HIN	Hinchinbrook I					IAML	16	44	33.7			
HIN	Hinchinbrook I					IAML	16	44	34.0			
P23K	Montague Island	0.58	169			Pn	16	44	24.2	0.0		
P23K	Montague Island					Sb	16	44	33.4	+0.2		
P23K	Montague Island					Pn	16	44	24.0	-0.3		
P23K	Montague Island					S	16	44	33.4	+0.2		
FID	Port Fidalgo	0.59	71			Pn	16	44	22.6	-0.1		
FID	Port Fidalgo					Sg	16	44	29.8	-0.8		
FID	Port Fidalgo					IAML	16	44	32.0			
EYAK	Cordova Ski Ar	0.92	90	P		Pg	16	44	28.8	-0.1		
EYAK	Cordova Ski Ar					Pb	16	44	43.2	+1.5		
EYAK	Cordova Ski Ar					Pb	16	44	28.5	+0.1		
EYAK	Cordova Ski Ar					Pg	16	44	28.8	-0.1		
EYAK	Cordova Ski Ar					S	16	44	43.2	+1.5		
KNK	Knik Glacier	0.95	335			Pb	16	44	28.6	-0.2		
KNK	Knik Glacier					IAML	16	44	44.0			
KNK	Knik Glacier					IAML	16	44	44.9			
KNK	Knik Glacier	0.95	335	P		Pb	16	44	28.7	-0.2		
SEW	Seward	1.02	244	P		Pb	16	44	30.5	+0.5		
O22K	Cooper Landing	1.04	266	P		Pb	16	44	31.0	+0.6		
O22K	Cooper Landing					Pb	16	44	30.9	+0.5		
DIV	Divide	1.07	57			Sn	16	44	45.8	+0.4		
DIV	Divide					Pb	16	44	30.0	-0.9		
RC01	Rabbit Creek A	1.07	57			Pg	16	44	32.7	+0.4		
RC01	Rabbit Creek A					Sb	16	44	48.2	+0.9		
RC01	Rabbit Creek A					Sg	16	44	48.6	+1.4		
M23K	Glacier View	1.23	358			Pn	16	44	33.7	+0.4		
KLU	Klutina	1.25	41			Pn	16	44	33.0	-0.5		
KLU	Klutina					P	16	44	33.3	-0.2		
PMR	Palmer	1.27	325	P		Pn	16	44	33.8	+0.1		
PMR	Palmer					Pn	16	44	33.4	-0.3		
PMR	Palmer					IAML	16	44	51.9			
PMR	Palmer					IAML	16	44	53.6			
PMR	Palmer	1.27	325	P		Pn	16	44	33.8	+0.1		
SCM	Sheep Creek Mo	1.28	6			Pn	16	44	34.1	+0.1		
SCM	Sheep Creek Mo					IAML	16	44	54.5			
SLKM	Skilak Lake	1.29	269			Pn	16	44	34.7	+0.6		
SML	Sawmill	1.29	345			Pn	16	44	34.6	+0.4		
SML	Sawmill					IAML	16	44	53.7			
SML	Sawmill	1.29	345	P		Pn	16	44	34.7	+0.6		
Q23K	Middleton Isia	1.30	150			Pb	16	44	35.1	+0.3		
Q23K	Middleton Isia					IAML	16	44	55.7			
Q23K	Middleton Isia					IAML	16	44	56.0			
MID	Middleton Isia	1.31	150	P		Pg	16	44	35.9	-0.2		
MID	Middleton Isia					Pb	16	44	35.3	+0.4		
MID	Middleton Isia					IAML	16	44	56.0			
MID	Middleton Isia					IAML	16	45	04.3			
GHO	Glory Hole Cre	1.37	333			Pn	16	44	34.9	-0.3		
GHO	Glory Hole Cre					IAML	16	44	55.7			
FIS	Fire Island	1.40	296			Pn	16	44	36.1	+0.6		
GOAT	Goat Mountain	1.43	98			Pn	16	44	36.6	+0.7		
RAGM	Ragged Mountai	1.47	96			Pn	16	44	36.9	+0.4		
BRMR	Bremner River	1.53	73			Pn	16	44	37.6	+0.1		
BRMR	Bremner River					Pn	16	44	37.8	+0.4		
HMT	Hamilton	1.68	96			Pn	16	44	40.3	+0.9		
M24K	Tolsona, Glenn	1.70	24			Pn	16	44	41.1	+1.4		
M24K	Tolsona, Glenn					IAML	16	45	05.3			
M24K	Tolsona, Glenn					IAML	16	45	06.0			
M22K	Willow	1.70	316			Pn	16	44	40.1	+0.5		
M22K	Willow					P	16	44	40.2	+0.6		
KAIM	Kayak Island	1.72	110			IAML	16	44	41.0	+1.1		
KAIM	Kayak Island					IAML	16	45	11.1			
KAIM	Kayak Island					IAML	16	45	18.7			
KAIM	Kayak Island	1.72	110	P		Pn	16	44	41.0	+1.1		
CAPN	Captain Cook N	1.75	278			Pn	16	44	42.0	+1.6		
CAPN	Captain Cook N					P	16	44	42.0	+1.6		
BRSE	Bradley Lake S	1.77	244			Pn	16	44	41.2	+0.6		
BRSE	Bradley Lake S					P	16	44	41.2	+0.6		
SUA	Susitna One	1.77	302			Pn	16	44	40.9	+0.2		
SUA	Susitna One					IAML	16	45	14.9			
SUA	Susitna One	1.77	302	P		Pn	16	44	41.2	+0.4		
N25K	Chitina, Valde	1.80	53			Pn	16	44	41.9	+0.7		
BRLL	Bradley Lake	1.82	245			IAML	16	44	42.0	+0.6		
BRLL	Bradley Lake					IAML	16	45	10.2			
BRLL	Bradley Lake					IAML	16	45	16.5			
NICHA	Nichawak Mount	1.84	99			Pn	16	44	41.9	+0.3		
BERG	Berg Lake	1.95	93			Pb	16	44	43.0	-0.1		
SUCK	Suckling Hills	1.97	103			Pb	16	44	45.2	-1.0		
SUCK	Suckling Hills					IAML	16	45	18.4			
WAT6	Susitna Watana	2.03	358			Pn	16	44	45.2	+0.9		
GLB	Gilahina Butte	2.05	63			IAML	16	44	45.5	+0.9		
GLB	Gilahina Butte					IAML	16	45	13.4			
CNPM	China Poot	2.09	242			IAML	16	44	45.5	+0.4		
CNPM	China Poot					IAML	16	45	20.1			
CNPM	China Poot					IAML	16	45	22.4			
WACK	Wrangell Chich	2.14	47			Pn	16	44	47.1	+1.3		
VRDI	Verde Repeater	2.14	70			Pn	16	44	46.4	+0.5		
VRDI	Verde Repeater					IAML	16	45	16.5			
GRIN	Grindle Hills	2.15	96			Pn	16	44	46.0	+0.1		

KHIT	Khitrov Hills	2.17	91			Pn	16	44	46.1	0.0		
HAARP	HAARP	2.19	32			Pn	16	44	48.3	+1.9		
HAARP	HAARP					P	16	44	48.3	+1.9		
BGLC	Bering Glacier	2.20	100			Pn	16	44	47.3	+0.8		
BGLC	Bering Glacier					P	16	44	47.3	+0.8		
HOM	Hommer	2.21	248			Pn	16	44	47.3	+0.6		
HOM	Hommer					P	16	44	47.3	+0.6		
CROM	Cirque	2.21	83			Pn	16	44	47.3	+0.4		
CROM	Cirque					IAML	16	45	31.5			
CROM	Cirque					IAML	16	45	32.5			
CRQE	Cirque	2.24	83	P		Pn	16	44	47.5	+0.3		
CUT	Chulitna	2.24	327			Pn	16	44	47.8	+0.7		
CUT	Chulitna					P	16	44	48.3	+1.2		
STLK	Strandline Lak	2.26	296			Pn	16	44	47.7	+0.4		
WAZA	Wrangell Mount	2.26	46			Pn	16	44	49.3	+1.7		
SPCG	Spurr Capps G	2.27	291			Pn	16	44	48.0	+0.4		
WAT1	Susitna Watana	2.32	349			Pn	16	44	49.2	+1.0		
SPCR	Sp											



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TRN, CRUV, TBH, GRFF, etc.

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

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

TEH 11 17:04:03.3, 30.75N, 57.29E, h7km, 30km, ML4.2
IDC 11 17:04:03.6, 0.9, 30.60N, 57.18E, h0km, mb3.8/11,
mbmp3.8/15, ML3.7/4, MS3.1/5, Error ellipse:
s-maj=18.0km s-min=17.5km az=76.0

NAO 11 17:36:58.9, 2.2, 72.04N, 0.29W, ML2.9
DNK 11 17:37:01.4, 3.7, 72.13N, 0.49W, h15km, ML1.7
IDC 11 17:37:01.1, 1.7, 71.74N, 0.31E, h0km, mb3.2/2,
mbmp3.4/7, ML3.0/5, MS3.0/2, Error ellipse:
s-maj=33.4km s-min=20.6km az=78.0

Code Station Name Az Az' Phase ID Time Res ISC
KRM1 Kerman Province 0.27 181 Op P 17 04 09.8 -0.8
KHGB Koh Gabri 0.79 240 Pp P 17 04 19.0 -1.4
CHMN Cheshme madani 0.94 166 Pp P 17 04 21.4 -2.1

Main table on the left side of the page, containing station data for codes like KRM1, KHGB, CHMN, etc.

Main table in the middle of the page, containing station data for codes like NAO, DNK, IDC, etc.

Main table on the right side of the page, containing station data for codes like MLSI, SNSI, LHHI, etc.









JMA Fell II J1 at E OFF MIYAGI PREF.
ISC 11 19:09:14.0,0.8,38.334N,0.004,141.78E,0.008,h46km,5.5km,
n52, r154,65,mb4.0,1,18D,Near east coast of eastern

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Lists stations like IJHK Ishinomakikobu, JIO Ouri, JKMJ Kesenuumototy, etc.

NOU 11 19:24:18.6,42.62S,173.37E,h1km,MLV4.1/10,South
Island, New Zealand
WEL 11 19:24:19.7,0.5,43.3°S,177.3E,h6km,4km,M3.5/12,
ML3.7/12,MLV3.5/12,Err:10ppE: s-maj=0.0km
s-min=0.0km az=121.9,confirmed
ISC 11 19:24:19.0,1.1,42.58S,0.03,173.39E,0.004,h8km,11km,
n6, r151871,South Island

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Lists stations like KHZ Kahutara, GVS Greta Valley S, AMZC Amberley, etc.

Table with columns: WEL Wellington, PLWZ Palliser, WACZ Wakunui South, DUWZ D'Urville Isle, etc. Lists various stations and their coordinates.

DJA 11 19:29:33.2,0.2,11°S,2°E,12.5E,h10km,M4.4/12,
mb4.3/11,mb5.2/3,MLV4.4/12,Mw(MB)4.6/3
ISC 11 19:29:35.1,0.7,11.45S,0.06,125.06E,0.036,h3km,n38,
r135/44,Timor Sea

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Lists stations like BAI Baunata, SOEI Soe, MMRI Maumere, etc.

BUI 11 19:50:45.6,0.0,21.64N,144.44E,h70km,mb4.6/39,
mB5.0/21,M4.5/11,M5.7/4,2/3
IDC 11 19:50:54.8,2.0,22.25N,144.06E,h100km,17km,
mb4.1/24,mbmp4.4/25,M5.3/23,Err:ellipse:
s-maj=15.6km s-min=10.5km az=88.0
NEIC 11 19:50:55.1,1.5,22.20N,0.08,144.07E,0.06,h97km,7km,
mb4.7/19,Err:ellipse: s-maj=12.6km s-min=7.4km
az=163.0
JMA 11 19:50:59.3,0.4,23°N,14°4E,h145km,MV5.1/16,
IOTO ISLANDS REGION
ISC 11 19:50:55.0,4.2,22.25N,0.004,144.00E,0.07,h105km,
n480,r109/451,mb4.6/127,Volcano Islands region

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Lists stations like JHJ2 Haha-jima-NKT2, CBIJ Chichi-jima, etc.

Table with columns: JOW Kunigami, MJAR Matsushiro Arr, MAJO Matsushiro, etc. Lists stations and their coordinates.

NJ2 Nanjing 24.36 299 eP pP 19 56 00.7 +0.1

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Lists stations like NJ2 Nanjing, MANU Manus Island, etc.

11d 19h

Table with columns: WRAB, WRA, WRA, WRA, WRA, PWJI, FITZ, MND, GOMU, GOMU, KULM, KULM, AS31, ASAR, ASAR, ASAR, ASAR, SHL, SHL, LSA, LSA, BILL, BILL, QLP, UNV, SISI, SISI, GSI, GSI, INKA, TIXI, OOD, FALS, WMQ, WMQ, AULRC, SDPT, LCRK, M13K, MULC, N14K, L14K, M14K, CMSA, J14K, ANM, F14K, STKA, STKA, STKA, CHGN, O15K, L15K, M15K, N15K, N15K, K15K, K15K, ZAAO, ZALV, ZALV, G15K, F15K, F15K, P16K, H16K, N16K, MK31, MKAR, MKAR, MKAR, FORT, O16K, O16K, L16K, L16K, M16K, M16K, J16K, J16K, MAK2, MAK2, G16K, BBOO, C16K, C16K, O17K, H17K, N17K, N17K, P17K, M17K, M17K

2018 APR

Table with columns: M17K, K17K, K17K, G17K, D17K, H17K, F17K, F17K, F17K, E17K, RDOG, RDOG, RDOG, C17K, SII, N18K, N18K, N18K, P18K, L18K, O18K, O18K, M18K, H18K, H18K, E18K, E18K, F18K, G18K, G18K, G18K, TTA, C18K, C18K, C18K, Q19K, N19K, N19K, B18K, GCSA, L19K, M19K, KDKA, KDKA, J19K, J19K, J19K, F19K, F19K, G19K, G19K, H19K, H19K, H19K, A19K, C19K, C19K, C19K, L20K, MORW, E19K, E19K, E19K, K20K, M20K, D19K, D19K, D19K, J20K, J20K, J20K, H20K, F20K, F20K, F20K, D20K, BRK, PPLA, BRSE, SKT, SKT, IMAR, CAST, CAST, CHUM, ARPS, B20K, B20K, B20K, B20K, SUA

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Table with columns: G21K, G21K, G21K, H21K, F21K, F21K, I21K, I21K, C21K, RC01, BPWA, BPWA, A21K, B21K, B21K, TRF, TRF, TOO, KSH, KSH, H22K, MLY, MLY, MLY, F22K, PMR, PMR, G22K, GHO, A22K, D22K, D22K, KNK, E22K, E22K, E22K, SML, SML, MCK, WAT1, I23K, I23K, I23K, NEA2, NEA2, NEA2, H23K, G23K, G23K, COLD, M23K, WAT6, GLI, GLI, SCM, SCM, D23K, WRH, WRH, E23K, C23K, TOLK, TOLK, H24K, H24K, HDA, KLU, KLU, KLU, IL31, IL31, ILAR, ILAR, F24K, G24K, D24K, C24K, K24K, PAX, HARP, BMRM, J25K, N25K, N25K, G25K, H25L, PRP

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, Date, Time, and other parameters. Includes stations like F25K Christian River, D25K Kavik River, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, Date, Time, and other parameters. Includes stations like H31M comp=Z,10nm,0.9s, H31M Peel River, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, Date, Time, and other parameters. Includes stations like PMG 5.9nm,0.3s,baz=42,slow=21,SNR=6.6, WRA Warramunga Arr 16.15 210, etc.

IDC 11 20:11:32.4.1.0.5:94S:143:11E,h0km,mb3.777, mbmp3.9/10,ML0.771,MS3.44, Error ellipse: s-maj=32.5km s-min=20.5km az=69.0

IDC 11 20:57:44.5:0.5.10:00S:119:24E,h0km,mb4.4/19, mbmp4.4/20,ML3.9/11,MS3.8/36, Error ellipse: s-maj=26.7km s-min=13.7km az=72.0



Table with columns: ABKAR, Akbulak array, 78.71 325, P, P, 21 22 06.2 -0.4, 21 22 09.7

Table with columns: TORO, Torodi Arr, Bea, 118.84 279, PKP, PKPKP, 21 28 54.9 +1.2

IDC 11 21:10:53.2±0.5, 10.005x119.22E, h0km, mb4.3/16, mbmp3.4/18, ML4.7/2, Error ellipse: s-maj=24.0km s-min=12.9km az=65.0

NEIC 11 21:10:57.6±1.7, 10.16S, 0.07x119.18E, h0.07, h35km±2km, mb4.5/36, Error ellipse: s-maj=12.6km s-min=10.6km az=219.0

DJA 11 21:10:59.6±0.2, 10.1S, 2x119.9E, h53km±6km, M4.8/23, m25.3/12, mb4.9/23, MLV4.8/17, Mw(mb)4.8/12

ISC 11 21:10:57.6±0.4, 10.205±0.05x119.24E±0.05, h35km±n18, m25.19/119, mb4.5/39, 1C, Sumba region

Main table of station data with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC, Res

Main table of station data with columns: BTO, BTO, BTO, BTO, HHC, HHC, HHC, HHC, GTA, GTA, GTA, USRK, RPZ, SONM, SONM, SONM, WMQ, WMQ, WMQ, KSH, KSH, KSH, KBL, MK31, MK31, MKAR, MKAR, DRK, AAK, AAK, ARSB, ARSB, GAR, GAR, GAR, CHGR, CHGR, CHGR, SIMJ, SIMJ, SIMJ, KK31, KK31, KK31, KURB, KURB, KURB, ZAAO, ZAAO, ZAAO, ZALV, ZALV, ZALV, VVND, VVND, VVND, PETK, PETK, PETK, GEYT, GEYT, GEYT, BVAR, BVAR, BVAR, BRVK, BRVK, BRVK, ABKAR, ABKAR, ABKAR, QSPA, QSPA, QSPA, GURO, GURO, GURO, MMAL, MMAL, MMAL, BRTR, BRTR, BRTR, YKA, YKA, YKA, TORO, TORO, TORO, PDAR, PDAR, PDAR, LPAZ, LPAZ, LPAZ, IDC 11 21:23:12.6±1.5, 6.40S, 143.82E, h0km, mb3.5/2, mbmp3.7/4, ML1.3/1, Error ellipse: s-maj=37.2km s-min=27.7km az=76.0, New Guinea

Main table of station data with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC, Res



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Table with columns: Station Name, Frequency, Power, Class, and other technical details. Includes stations like Alice Springs, Fitzroy Crossi, Armadale, etc.

IDC 11 23:18:19.9:1.7, 7.86N, 136.95E, h0km, mb4.0/11, mBmp4.0/11, MS2.8/4, Error ellipse: s-maj=39.7km s-min=29.6km az=74.0

ISC 11 23:25:3.1:2.7, 9N, 102.1369E, 0.2, h35km, n17, o087/11, mb4.2/11, MS2.7/3, Western Caroline Islands

Table with columns: Code, Station Name, Frequency, Power, Class, and other technical details. Includes stations like Davao City, WRA, KSRs, etc.

GCG 11 23:24:25.5:3.6, 13.73N, 98.60W, h2km, 990km, MD4.5
IDC 11 23:25:38.4:1.7, 14.10N, 92.79W, h0km, mb3.9/7, mBmp3.9/9, ML3.5/2, MS3.4/10, Error ellipse: s-maj=35.5km s-min=15.6km az=6.0

Table with columns: Code, Station Name, Frequency, Power, Class, and other technical details. Includes stations like MEX, CATAC, NEIC, etc.

2018 APR

Main table with columns: Station Name, Frequency, Power, Class, and other technical details. Includes stations like El Naranjo, Union Juarez, Retalhuleu, etc.

11d 23h

Table with columns: Station Name, Frequency, Power, Class, and other technical details. Includes stations like RANC, JUCU, OXIG, etc.

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

11d 23h

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC. Includes stations like SCHE Schefferville, YKA Yellowknife Ar, A36M Sachs Harbour, etc.

DJA 11 23:30:30.5:0.2, 10°S:4'11"E, h10km, M4.5/14, mb4.7/7, mB5.1/2, MLV4.5/14, Mw(mB)4.5/2
IDC 11 23:30:31.9:7.7, 9°58'S:118°29'E, h61km, 73km, mb3.6/8, mbtmp3.8/9, ML3.9/2, Error ellipse: s-maj=53.1km s-min=29.7km az=71.0

ISC 11 23:30:32.0:0.9, 9.55:0.1:118:39E:0.07, h48km, n26, t174/23, mb4.0/7, Sumbawa region

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC. Includes stations like PLAI Plampang, BASI Baing, Sumba, DNP Denpasar, etc.

IDC 11 23:34:15.3:0.0, 25S:129°17'E, h0km, mb3.4/4, mbtmp3.4/4, Error ellipse: s-maj=271.3km s-min=23.6km az=69.0

DJA 11 23:34:19.0:0.5, 1°S:6'12"E, h33km, 8km, M3.1/5, MLV3.1/5

ISC 11 23:34:20.7:1.1, 0°89'S:0°07':127°20'E:0.09, h35km, n9, t185/9, mb3.3, Halmahera

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC. Includes stations like LBMI Labuha, TNTI Ternate, SANI Sanana, etc.

VIE 11 23:45:24.0:0.8, 50°12'N:19°02'E, h0km, mb2.5/9, ml2.4/6, ms3.6/3, Error ellipse: s-maj=11.7km s-min=4.9km az=158.0, Suspected Mining induced.

IPEC 11 23:45:24.1:0.2, 50°19'N:19°11'E, h1km, ML2.2/4, Error ellipse: s-maj=2.5km s-min=1.0km az=167.0

PRU 11 23:45:24.7:0.1, 50°16'N:19°10'E, h0km, ISC 11 23:45:24.1:0.9, 50°15'N:0°04':19°11'E:0.02, h0km, n30, t097/50, Poland

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC. Includes stations like OJC Ojcow, OJC Ostrava-Krasne, OJC Opatowitz, etc.

2018 APR

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC. Includes stations like OSTO Ostas, CRVS Cervenica-Dubn, CRVS Moravsky, etc.

IDC 11 23:48:06.5:591.0, 61°78'N:148°76'W, h0km, Error ellipse: s-maj=268.0km s-min=69.9km az=110.0, Southern Alaska

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC. Includes stations like ISBUD FAIRBANKS INFR, KHC KAANAAQ INFRAS28.65, LAC DU BONNET, etc.

BUI 11 23:53:52.5:0.0, 6°84'N:126°94'E, h137km, mb5.1/57, mB5.0/26

MOS 11 23:53:58.4:0.7, 7°33'N:126°48'E, h149km, mb5.0/58, Error ellipse: s-maj=10.9km s-min=4.6km az=119.8

NEIC 11 23:54:01.5:1.4, 7°34'N:0°08':126°51'E:0.09, h159km, 5km, mb4.9/10, Error ellipse: s-maj=12.9km s-min=10.9km az=75.0

IDC 11 23:54:01.0:2.0, 7°37'N:126°56'E, h159km, 5km, mb4.3/31, mbtmp4.8/33, MS2.9/1, Error ellipse: s-maj=14.4km s-min=8.2km az=85.0

DJA 11 23:54:01.0:0.4, 7°N:4°12'E, h151km, 4km, M4.8/30, mB5.3/19, mb4.8/30, MLV5.6/36, Mw(mB)4.7/19

ISC 11 23:54:00.8:0.5, 7°34'N:0°04':126°57'E:0.06, h157km, 4km, h158km, pP-P, n432, t101/475, mb4.9/157, 52C-29D, Mindanao

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC. Includes stations like DAV Davao City (W), DAV Davao City (E), DAV Davao City (S), etc.

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Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC. Includes stations like JCJ Chichijima, JCJ Chichijima, FITZ Fitzroy Crossi, etc.



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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like LSA Lhasa, GOMU GeErMu, BBOW Buckleboo, NWAOW Narrogin (SRO), STKA Stephens Creek, etc.

2018 APR

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like ZALV Zalesovo Beam, SEM Semipalatinsk, AAK Ala-Archa, etc.

11d 23h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like ARU Redstone River, ARU Arti, ARU Casey, etc.

Table of astronomical observations for 12d 0h, listing stations like VWA, VWA, VWA, etc., with columns for station name, time, and other parameters.

Table of astronomical observations for 2018 APR, listing stations like MBAR, MBAR, VYHS, etc., with columns for station name, time, and other parameters.

Table of astronomical observations for 736, listing stations like I28M, I28M, G29M, etc., with columns for station name, time, and other parameters.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like JIDR Jimani, REDR Restauracion, LOPP1 Punta Rusia, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like MGVR 1eS, IGPR Inter, HUMP Col San Antoni, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Error ellipse: s-maj=1.8km, TUL 12.01:33:21.5, CROK Carrier, etc.

12d 2h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CGM3 Cape Girardeau, K30B Bassett, SIUC Southern Illin, etc.

NEIC 12 01:47:41.6:1.5, 10.64S:0.06:170.2E:0.2, h10km, 1km, mb4.7/15, Error ellipse: s-maj=35.5km s-min=6.5km bz=103.0

IDC 12 01:48:04.6:3.2, 12.08S:167.52E, h0km, mb4.1/4, mbmp4.1/4, Error ellipse: s-maj=130.1km s-min=29.7km bz=139.0

ISC 12 01:47:43.3:6.5, 10.65S:0.3:170.3E:0.7, h35km, n25, e135/15, mb4.5/15, 1C, Santa Cruz Islands region

Main table for the first section, listing station codes (LIFUNC, KOUNC, EIDS, etc.) and their corresponding data.

IDC 12 01:50:45.3:0.5, 10.04S:119.30E, h0km, mb4.5/18, mbmp4.5/20, ML3.0/2, MS3.7/30, Error ellipse: s-maj=28.1km s-min=13.3km az=67.0

DJA 12 01:50:48.4:1.0, 10.1S:3.119E, h24km, 10km, M4.9/18, mb5.1/17, mb5.3/13, ML3.5/13, Mw(mb)4.7/13

NEIC 12 01:50:49.6:1.9, 10.28S:0.07:119.14E:0.0, h35km, 1km, mb4.7/35, Error ellipse: s-maj=11.3km s-min=0.6km bz=166.0

ISC 12 01:50:50.7:0.3, 10.28S:0.05:119.19E:0.04, h41km, n158, e144/133, mb4.6/39, MS3.9/30, 3D, Sumba region

Main table for the second section, listing station codes (BASI, PLAI, etc.) and their corresponding data.

2018 APR

Main table for the third section, listing station codes (PSA00, BBJ, etc.) and their corresponding data.

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Main table for the fourth section, listing station codes (ZALV, VDA, etc.) and their corresponding data.

IDC 12 02:13:33.7:2.9, 7.00S:128.94E, h0km, mb3.7/1, mbmp3.6/3, ML3.7/2, Error ellipse: s-maj=302.5km s-min=1.8km az=67.0, Banda Sea

Table for the fifth section, listing station codes (WRA, WRA, etc.) and their corresponding data.

VIE 12 02:23:58.9:0.1, 47.15N:10.02E, h10km, mb2.6/22, m3.2/21, Error ellipse: s-maj=1.0km s-min=0.9km az=5.0, left 4-5 ems98 at Wald am Arberg / Vornberg

BUG 12 02:23:58.7:0.6, 47.08N:10.03E, h7km, 2km, MD3.6/11, ML3.7/13

ZUR 12 02:23:59.1, 47.14N:10.01E, h9km, 1km, ML3.2/112, Error ellipse: s-maj=2381.5km s-min=470.0km az=99.0

LDG 12 02:23:59.3:0.1, 47.15N:10.02E, h9km, MK3.3/46, Error ellipse: s-maj=1.8km s-min=1.4km az=65.0

ROM 12 02:24:00.2:0.3, 47.09N:0.01:9.98E:0.01, h8km, 1km, ML2.9/61, Error ellipse: s-maj=1.2km s-min=1.1km az=211.0

BGR 12 02:24:00.6:0.2, 47.16N:10.01E, h2km, 1km, ML3.1/30, Error ellipse: s-maj=3.3km s-min=1.1km az=176.0

PRU 12 02:24:01.2, 47.22N:10.07E, h10km

ISC 12 02:23:58.9:0.1, 47.15N:10.01:9.99E:0.01, h11km, 5km, n243, e158/9/425, 25C-38D, Germany

Table for the sixth section, listing station codes (DAVA, DAVA, etc.) and their corresponding data.

Table listing various locations and weather data (e.g., OBER Oberstdorf, SBUH Buchs, Hochsch, SBUAZ Buchs, Altend, SDAK Davos, Kongres).

Table listing various locations and weather data (e.g., ROSI comp=N,1430um,0.5s, A104C Biberach, Ahle, NALPS Val Nalps, TRULL Trullikon).

Table listing various locations and weather data (e.g., ZIAN comp=N,414um,0.4s, BERGE Lenzkirch (DE), BERGE Gais, PANI Panarotta).

Table with columns: Station Name, Frequency, Mode, Band, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like Koelnbreinsper, Gema, Grafenberg Arr, etc.

Table with columns: Station Name, Frequency, Mode, Band, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like CONA, HSKC PRU, PRA LOR, etc.

Table with columns: Station Name, Frequency, Mode, Band, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like EREN Erenky, MVOU Mavrovouni, etc.

IDC 12 02:54:10.6:10.0,20:69S:176:98W, h487km, 114km, mb3.0/4, mbmp3.9/4, Error ellipse: s-maj=123.2km s-min=42.6km az=156.0, Fiji Islands region

IDC 12 03:17:19.6:1.6, 10:07S:119:17E, h0km, mb4.2/4, mbmp4.1/7, ML3.6/3, MS2.3/3, Sumba region

DJA 12 03:17:24.0:1.6, 10:51S:119:17E, h20km, 15km, M4.5/13, mb4.6/6, mB5.0/2, MLv4.4/13, Mw(mB)4.3/2

NEIC 12 03:17:24.7:1.7, 10:19S:107:119.33E:0.07, h35km, 2km, mb4.1/13, Error ellipse: s-maj=13.0km s-min=10.4km az=216.0

ISC 12 03:17:24.3:0.6, 10:25S:106:119:24E:0.04, h35km, n50, MS2.2/3, Sumba region

Table with columns: Code, Station Name, Frequency, Mode, Band, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like ASAR Alice Springs, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Frequency, Mode, Band, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like BASI Baing, Sumba, PLAI Plampang, etc.

Table with columns: MKAR, BOOM, AAK, GAR, KURBB, ZALV, ZALV, PETK, BRVK, ABKAR. Includes station names, coordinates, and times.

ISN 12 03:17:53.6 0.6, 34.61N, 45.77E, h10km, 20km, ML2.8
TEH 12 03:17:56.4, 34.75N, 45.76E, h10km, 26km, ML2.6
ISC 12 03:17:56.7 1.0, 34.70N, 0.005, 45.79E, 0.04, h10km, n8, e113/111, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like KGSJ, IDHR, IGHV, ILIN, ILBA, IKRK, IKRK, IKRK, BHD, BHD, RAFI, RAFI.

BGR 12 03:30:02.7 2.1, 01S:179.12W, h600km
IDC 12 03:30:04.0 0.6, 20.85S:179.01W, h611km, 6km, mb4.0/21, mbmp4.9/21, Error ellipse: s-maj=11.1km s-min=9.3km az=17.0

NEIC 12 03:30:03.9 1.6, 21.0S:0.1, 178.91W, 0.1, h618km, 7km, mb4.7/182, Error ellipse: s-maj=19.7km s-min=16.3km az=93.0

NOU 12 03:30:03.2 2.1, 00S:178.79W, h617km, mb4.7/55, Fiji Islands Region
ISC 12 03:30:04.0 0.5, 20.93S:0.05, 178.91W, 0.06, h620km, 5km, h622km, pp-P, n705, e190/715, mb4.7/123, 48C-40D, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like LKBA, MSVF, MSVF, TAVE, DGTI, YSA, AFI, DZM, GRZ, MXZ, MXZ, ETAZ, MKAZ, WTAZ, WMGZ, HAZ, PKGZ, TWGZ, TOZ, TOZ, URZ, URZ, URZ, URZ, CNGZ, CNGZ, RTZ, BKZ, BKZ, BKZ, CHGN, CHGN, BELA, BELA, 109C, ARVC, VES, SII, MURC, BFSC, EDWZ, MONP2, ISA, ISA, CMB, CMB, MDJ, MDJ, MDJ, TPFO, AFDM, OHAK, OHAK, MAW, MAW, BELC, BELC, MPMC, O1AK, WAKR, WAKR, WRA, WRA, WRA, KDU, MTN, MTN.

Table with columns: FORF, FORF, WRKA, WRKA, KNRFA, KNRFA, FAKI, SOEI, PSAAO, KLBK, SBA, VNSA, VNSA, NWAO, ELDU, MORW, JCJ, TOLIZ, TOLIZ, TOLIZ, CASY, CASY, KKK, OSPA, OSPA, JGF, JGF, MJAR, MAJO, MAJO, MAJO, MJB9, MJB9, JNU, ATKA, YULB, YULB, NACB, NACB, TPUB, TPUB, SSSL, SSSL, YHNB, YHNB, NIKH, NIKH, UNV, UNV, OZH, OZH, PEAOB, PEAOB, PETK, PETK, FALS, FALS, KSRS, KSRS, KSAR, CHNA, SDPT, SDPT, SDPT, S12K, S12K, S14K, S14K, USA0B, USA0B, USRK, USRK, CHGN, CHGN, CHGN, BELA, BELA, 109C, ARVC, VES, SII, MURC, BFSC, EDWZ, MONP2, ISA, ISA, CMB, CMB, MDJ, MDJ, MDJ, TPFO, AFDM, OHAK, OHAK, MAW, MAW, BELC, BELC, MPMC, O1AK, WAKR, WAKR, WRA, WRA, WRA, KDU, MTN, MTN.

Table with columns: KKK, OSPA, JGF, JGF, MJAR, MAJO, MAJO, MAJO, MJB9, MJB9, JNU, ATKA, YULB, YULB, NACB, NACB, TPUB, TPUB, SSSL, SSSL, YHNB, YHNB, NIKH, NIKH, UNV, UNV, OZH, OZH, PEAOB, PEAOB, PETK, PETK, FALS, FALS, KSRS, KSRS, KSAR, CHNA, SDPT, SDPT, SDPT, S12K, S12K, S14K, S14K, USA0B, USA0B, USRK, USRK, CHGN, CHGN, CHGN, BELA, BELA, 109C, ARVC, VES, SII, MURC, BFSC, EDWZ, MONP2, ISA, ISA, CMB, CMB, MDJ, MDJ, MDJ, TPFO, AFDM, OHAK, OHAK, MAW, MAW, BELC, BELC, MPMC, O1AK, WAKR, WAKR, WRA, WRA, WRA, KDU, MTN, MTN.

ISN 12 03:17:53.6 0.6, 34.61N, 45.77E, h10km, 20km, ML2.8
TEH 12 03:17:56.4, 34.75N, 45.76E, h10km, 26km, ML2.6
ISC 12 03:17:56.7 1.0, 34.70N, 0.005, 45.79E, 0.04, h10km, n8, e113/111, Iran-Iraq border region

BGR 12 03:30:02.7 2.1, 01S:179.12W, h600km
IDC 12 03:30:04.0 0.6, 20.85S:179.01W, h611km, 6km, mb4.0/21, mbmp4.9/21, Error ellipse: s-maj=11.1km s-min=9.3km az=17.0

NEIC 12 03:30:03.9 1.6, 21.0S:0.1, 178.91W, 0.1, h618km, 7km, mb4.7/182, Error ellipse: s-maj=19.7km s-min=16.3km az=93.0

NOU 12 03:30:03.2 2.1, 00S:178.79W, h617km, mb4.7/55, Fiji Islands Region
ISC 12 03:30:04.0 0.5, 20.93S:0.05, 178.91W, 0.06, h620km, 5km, h622km, pp-P, n705, e190/715, mb4.7/123, 48C-40D, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like LKBA, MSVF, MSVF, TAVE, DGTI, YSA, AFI, DZM, GRZ, MXZ, MXZ, ETAZ, MKAZ, WTAZ, WMGZ, HAZ, PKGZ, TWGZ, TOZ, TOZ, URZ, URZ, URZ, URZ, CNGZ, CNGZ, RTZ, BKZ, BKZ, BKZ, CHGN, CHGN, BELA, BELA, 109C, ARVC, VES, SII, MURC, BFSC, EDWZ, MONP2, ISA, ISA, CMB, CMB, MDJ, MDJ, MDJ, TPFO, AFDM, OHAK, OHAK, MAW, MAW, BELC, BELC, MPMC, O1AK, WAKR, WAKR, WRA, WRA, WRA, KDU, MTN, MTN.

Table with columns: KDKA, PNTR, PNTR, P16K, HUMO, HUMO, M11K, M11K, GRMC, GRMC, IRM, IRM, GRAC, GRAC, GWY, N14K, N14K, NVAR, NVAR, NVAR, P17K, P17K, G13A, G13A, NW11, NW11, O16K, O16K, O16K, M13K, M13K, WCT, WCT, N15K, N15K, BNX, BNX, P18K, P18K, O17K, O17K, KVN, KVN, TPH, TPH, PDMC, PDMC, M14K, M14K, M14K, M15K, M15K, V12A, V12A, N16K, N16K, O18K, O18K, K05A, K05A, SHPR, SHPR, J05D, J05D, P19K, P19K, L14K, L14K, L14K, L14K, M16K, M16K, O19K, O19K, ILSW, ILSW, HOM, HOM, N18K, N18K, PINE, PINE, PINE, L15K, L15K, O20K, O20K, I05D, I05D, BRLE, BRLE, BRSE, BRSE, L16K, L16K, L16K, L16K, N19K, N19K, M17K, M17K, QUC, QUC, TUC, TUC, MA2, MA2, MA2, MA2, MA2, WVOR, WVOR, K15K, K15K, K15K, SEW, SEW, J14K, J14K, I07A, I07A, I07A, X16A, X16A, LCMT, LCMT, 319A, 319A, N20K, N20K, J08A, J08A, J08A, CCUT, CCUT, L18K, L18K, M19K, M19K, D05A, D05A, D05A, L19K, L19K, L19K, RC01, RC01, M20K, M20K, J16K, J16K, SUA, SUA.

ISN 12 03:17:53.6 0.6, 34.61N, 45.77E, h10km, 20km, ML2.8
TEH 12 03:17:56.4, 34.75N, 45.76E, h10km, 26km, ML2.6
ISC 12 03:17:56.7 1.0, 34.70N, 0.005, 45.79E, 0.04, h10km, n8, e113/111, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like KDKA, PNTR, PNTR, P16K, HUMO, HUMO, M11K, M11K, GRMC, GRMC, IRM, IRM, GRAC, GRAC, GWY, N14K, N14K, NVAR, NVAR, NVAR, P17K, P17K, G13A, G13A, NW11, NW11, O16K, O16K, O16K, M13K, M13K, WCT, WCT, N15K, N15K, BNX, BNX, P18K, P18K, O17K, O17K, KVN, KVN, TPH, TPH, PDMC, PDMC, M14K, M14K, M14K, M15K, M15K, V12A, V12A, N16K, N16K, O18K, O18K, K05A, K05A, SHPR, SHPR, J05D, J05D, P19K, P19K, L14K, L14K, L14K, L14K, M16K, M16K, O19K, O19K, ILSW, ILSW, HOM, HOM, N18K, N18K, PINE, PINE, PINE, L15K, L15K, O20K, O20K, I05D, I05D, BRLE, BRLE, BRSE, BRSE, L16K, L16K, L16K, L16K, N19K, N19K, M17K, M17K, QUC, QUC, TUC, TUC, MA2, MA2, MA2, MA2, MA2, WVOR, WVOR, K15K, K15K, K15K, SEW, SEW, J14K, J14K, I07A, I07A, I07A, X16A, X16A, LCMT, LCMT, 319A, 319A, N20K, N20K, J08A, J08A, J08A, CCUT, CCUT, L18K, L18K, M19K, M19K, D05A, D05A, D05A, L19K, L19K, L19K, RC01, RC01, M20K, M20K, J16K, J16K, SUA, SUA.

ISN 12 03:17:53.6 0.6, 34.61N, 45.77E, h10km, 20km, ML2.8
TEH 12 03:17:56.4, 34.75N, 45.76E, h10km, 26km, ML2.6
ISC 12 03:17:56.7 1.0, 34.70N, 0.005, 45.79E, 0.04, h10km, n8, e113/111, Iran-Iraq border region

BGR 12 03:30:02.7 2.1, 01S:179.12W, h600km
IDC 12 03:30:04.0 0.6, 20.85S:179.01W, h611km, 6km, mb4.0/21, mbmp4.9/21, Error ellipse: s-maj=11.1km s-min=9.3km az=17.0

NEIC 12 03:30:03.9 1.6, 21.0S:0.1, 178.91W, 0.1, h618km, 7km, mb4.7/182, Error ellipse: s-maj=19.7km s-min=16.3km az=93.0

NOU 12 03:30:03.2 2.1, 00S:178.79W, h617km, mb4.7/55, Fiji Islands Region
ISC 12 03:30:04.0 0.5, 20.93S:0.05, 178.91W, 0.06, h620km, 5km, h622km, pp-P, n705, e190/715, mb4.7/123, 48C-40D, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like LKBA, MSVF, MSVF, TAVE, DGTI, YSA, AFI, DZM, GRZ, MXZ, MXZ, ETAZ, MKAZ, WTAZ, WMGZ, HAZ, PKGZ, TWGZ, TOZ, TOZ, URZ, URZ, URZ, URZ, CNGZ, CNGZ, RTZ, BKZ, BKZ, BKZ, CHGN, CHGN, BELA, BELA, 109C, ARVC, VES, SII, MURC, BFSC, EDWZ, MONP2, ISA, ISA, CMB, CMB, MDJ, MDJ, MDJ, TPFO, AFDM, OHAK, OHAK, MAW, MAW, BELC, BELC, MPMC, O1AK, WAKR, WAKR, WRA, WRA, WRA, KDU, MTN, MTN.

Table with columns for station name, elevation, frequency, mode, and other technical details. Includes stations like SUSA, Susitna One, ELKO, HNS, HEH, HEH, LYN, L20K, SKT, G08A, GLI, TTA, M22K, KNK, PMR, E07A, HAWA, GHO, J18K, SML, CUT, ELIB, PPLA, BMRM, BMO, MESA, K20K, SCM, H16K, MFID, KLU, CRQM, CRQE, COYC, S32K, D08A, PNL, J19K, SEY, CAST, CAST, F14K, VRDI, NR2K, GLB, WAT6, H17K, WAT1, MCARA, G16K, J20K, K01A, LOGN, P29M, CHUM, TRF, F15K, CTG, GCSA, PLID, HLD, HLD, O28M, HARP, G17K.

Table with columns for station name, elevation, frequency, mode, and other technical details. Includes stations like TROLL, O29M, C09A, DHY, PLEBC, BPAW, I20K, MCK, SNA4, LLO2, T35M, P30M, PAX, MNTX, XAN, YUK8, VNA3, M26K, TCUT, H19K, YUK6, G18K, YUK3, S34M, TXAR, HYT, HYT, M27K, MENT, H20K, F17K, YUK4, VNA2, NEW, L26K, L26K, I21K, NEA2, P32M, K24K, ANMO, G19K, BVCY, MLY, MLY, O30N, O30N, F18K, ALPN, H21K, HDA, L27K, BCAR, E17K, N30M, IMAR, WHY, I23K, DLBC, RDMU, COLA, COLA, COLA, AHID, SCRK, SCRK, F19K, F19K, IL31, ILAR, ILAR, H22K, HHC, HHC.

Table with columns for station name, elevation, frequency, mode, and other technical details. Includes stations like M29M, P33M, N31M, N31M, POKR, POKR, J25K, R33M, E18K, E18K, D17K, G21K, H23K, K27K, F20K, J26L, SNOW, CMAR, CMAR, O20A, O20A, RDOG, IMW, E19K, PLCA, L29M, N32M, FLWY, BW06, PDAR, PRP, PRP, C17K, F21K, G22K, BOZ, H17A, G23K, M31M, DAWY, DAWY, PZH, PZH, EGAK, EGAK, C18K, SDCO, F22K, WTLY, FARO, K29M, H25L, D19K, COLD, DRIO, E20K, G24K, MAYO, J29N, T25A, I27K, G25K, D20K, C19K, B18K, RWWY, TOAD, E22K, I28M, F24K, RLMT, E23K, J30M, H27K, MMPY, N23A, N23A, BRDLA, G26K, C21K, D22K.



Table with 10 columns: Station, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy. Includes stations like D22K Ayikyak River, HND0 Hondo, TGTN Hyland Airport, etc.

Table with 10 columns: Station, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy. Includes stations like SORM Soroca, BNN Bunyan, PURM Purcari, etc.

Table with 10 columns: Station, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy. Includes stations like BTNL Kasperke Hory, GRS Buzias, BZF Grafenberg Arr, etc.

IDC 12 03:32:36.5:7.8:96S:111.58E,h0km,mb4.2/8, mb19.2/28, Error ellipse: s-maj=136.1km s-min=83.8km ... NEIC 12 03:32:51.7:1.6:85S:0:08:111.22E:0.07,h99km,4km, mb4.2/16, Error ellipse: s-maj=12.7km s-min=8.6km ...

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Ujung Watu, Banyuwangi, Karang Pucung, Jajag, Banyuwana, etc.

NAO 12 03:52:16.7 ± 1.3, 73.96N ± 8.50E, M3.9
IDC 12 03:52:18.4 ± 0.5, 73.87N ± 8.45E, h0km, mb3.9/20,
mbtmp3.9/27, ML3.2/5, Error ellipse: s-maj=12.5km
s-min=9.6km az=57.0
NEIC 12 03:52:19.1 ± 1.9, 73.89N ± 0.07 ± 0.3E ± 0.1h0km, 1km,
mb4.4/44, Error ellipse: s-maj=17.6km s-min=9.1km
az=238.0
BER 12 03:52:20.4 ± 3.1, 73.97N ± 8.50E, h10km, mb(Pn)4.3,
ML3.9(NAO), Confirmed Earthquake
DNK 12 03:52:23.1 ± 3.4, 74.34N ± 7.10E, h0km, 90km, ML2.3
KOLA 12 03:52:27.8, 73.47N ± 10.13E, h0km, ML2.8, Error ellipse:
s-maj=20.8km s-min=14.4km az=150.0, Norwegian sea
ISC 12 03:52:19.0 ± 0.4, 73.88N ± 0.05E ± 8.62E ± 0.05, h10km, m181,
±6232/199, mb4.3/39, Greenland Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BJO1, Bjornoya, HSPB, Hornsund, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Lofoten, Lofot, Lof, Lofoten, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BFO, Black Forest, ECH, Echery, etc.

IDC 12 03:52:32.7 ± 0.7, 73.80N ± 8.32E, h0km, mb3.9/13,
mbtmp3.9/17, ML3.4/3, Error ellipse: s-maj=17.3km
s-min=11.9km az=55.0
NAO 12 03:52:32.7 ± 4.5, 73.99N ± 8.97E, ML4.1
NEIC 12 03:52:34.4 ± 1.4, 74.02N ± 0.03 ± 9.1E ± 0.3, h10km, 2km,
mb4.5/13, Error ellipse: s-maj=15.0km s-min=4.2km
BER 12 03:52:36.2 ± 1.4, 74.00N ± 9.24E, h10km, mb(Pn)4.3,
ML4.1(NAO), Confirmed Earthquake
ISC 12 03:52:33.8 ± 0.5, 73.94N ± 0.04 ± 9.10E ± 0.06, h10km, m64,
±2504/76, mb4.0/18, Greenland Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like BJO1 Bjornoya, HSPB Hornsund, SP22 Spitsbergen, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like PCIG Matias Romero, CMIG Matias Romero, CMIG Matias Romero, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like OZNA Ozona, WHTX Lake Whitney, VBMS Vicksburg, etc.

IDC 12 04:00:22.0, 1.0, 15:22N:93.91W, h0km, mb3.9/11, mtbmp4.013, MLD4.02, MS3.628, Error ellipse: s-maj=17.6km s-min=14.3km az=69.0

DRIO Del Rio 15.40 338 Pn Pn 04 03 59.1 -1.5 435B Jarrell 15.67 349 Pn Pn 04 04 09.1 +1.8

WCI Wyandotte Cave 24.02 15 P P 04 05 38.2 0.0 CBKS Cedar Bluff 24.08 349 P P 04 05 37.4 -1.4

12d 4h

Table of station data for 12d 4h, including columns for station name, coordinates, and various parameters like SNR and error ellipse.

2018 APR

Main table of station data for 2018 APR, listing stations like ELAR, H24K, F25K, etc., with their respective coordinates and parameters.

746

Table of station data for 746, including stations like ZARC, ZARC, ZARC, etc., with their coordinates and parameters.

Table of station data for the left column, including call signs like O22K, RND, D25K, and call names like Cooper Landing, Kavik River, Bear Paw Mtn.

Table of station data for the middle column, including call signs like JIM2, JOD2, JHD2, and call names like Oshima 3, Odawara 2, Hachijo jima 2.

Table of station data for the right column, including call signs like AGG, DLFA, LTHK, and call names like Gaura, Agios Charalamb.

NEIC 12 04:40:54.0: 1.6, 0.41N: 0.05x100: 1W: 0.2, h10km: 1km, mb4.7/17, Error ellipse: s-maj=35.3km s-min=9.0km

BE0 12 04:45:29.6: 0.7, 38.60N: 20.67E, h0km, MLC3.4/6, ATH 12 04:45:29.6, 38.60N: 21.30E, h18km: 2km, MLC3.7/18, Error ellipse: s-maj=2.2km s-min=0.8km az=184.0

IGT 12 04:45:29.6, 38.61N: 21.32E, h11km: 1km, MLC3.7/30, Error ellipse: s-maj=1.0km s-min=0.4km az=195.0

IDC 12 04:40:54.5: 7.9, 0.68N: 100.10W, h0km, mb3.9/, mbmp3.9/5, MS3.5/20, Error ellipse: s-maj=213.2km s-min=118.2km az=119.0

ISC 12 04:45:29.6, 38.61N: 21.32E, h11km: 1km, MLC3.7/30, Error ellipse: s-maj=2.2km s-min=0.8km az=184.0

IGT 12 04:45:29.6, 38.61N: 21.32E, h11km: 1km, MLC3.7/30, Error ellipse: s-maj=1.0km s-min=0.4km az=195.0

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, ISC

Main table of station data with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, ISC. Contains numerous entries for stations like Matias Romero, JACO, JTS, TGUH, UNM, etc.

JMA 12 04:41:07.1: 0.2, 35.3N: 0.4: 141: 1E: 0.9, h36km: 2km, M1V3/32, E OFF BOSO PENINSULA

IDC 12 04:41:10.9: 3.2, 35.09N: 140.83E, h59km: 30km, mb3.4/3, mbmp3.6/5, MLC2.9/22, MS2.3/1, Error ellipse: s-maj=46.1km s-min=15.9km az=92.0

ISC 12 04:41:09.3: 1.1, 35.21N: 0.05: 140.95E: 0.08, h48km: 1km, s=097/17, mb3.7/3, Near east coast of eastern Honshu

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, ISC. Contains entries for stations like BSO3, BS04, BS01, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like HERR Herculanee, MGRS Mrkonjac Grad, FRGS Fruska Gora, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like NEHR Nehouu, HARR Harsova, TURR Turia, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like SOKA Soboth, OBKA Obir, OBKA Obir, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like CRVS Cervenica-Dubn, MOA Molin, MOA Molin, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like LESA Schwarzeleot, LESA Schwarzeleot, KBZ Khabaz, etc.

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

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like NOA NORSAR Array B, TORO Torodi Ar. Bea, ARCES ARCESS Array B, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like KURBB Kurchatov Arra, MKAR Makanchi Array, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like YKA Yellowknife Arr, YKA Yellowknife Arr, YKA Yellowknife Arr, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like NAO 12 05:20:11.1, BER 12 05:20:20.6, ISC 12 05:19:50.5, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like HSPB Hornsund (broa), BRBA Barentsburg A, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like SPAO Spitsbergen Arr, SPAO Spitsbergen Arr, SPAO Spitsbergen Arr, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like HOPEN Hoppen, HOPEN Hoppen, HOPEN Hoppen, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like KBS Kingsbay, KBS Kingsbay, KBS Kingsbay, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like ARAO ARCESS Array S, ARAO ARCESS Array S, ARAO ARCESS Array S, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like IDIC 12 05:20:11.1, IDIC 12 05:20:16.2, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like VNA2 Neumayer-Watz, VNA2 Neumayer-Watz, VNA2 Neumayer-Watz, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like SNA4 Sanae, SNA4 Sanae, SNA4 Sanae, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like PMSA Belgrano 2, BELA Belgrano 2, BELA Belgrano 2, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like QSPA South Pole Qui, QSPA South Pole Qui, QSPA South Pole Qui, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like AC04 Llanos de Chila, AC02 Maricunga, AC02 Maricunga, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like H04S2 CROZET ISLANDS, H04S3 CROZET ISLANDS, H04S4 CROZET ISLANDS, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like H04S1 CROZET ISLANDS, H04S2 CROZET ISLANDS, H04S3 CROZET ISLANDS, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like LVC Limon Verde, PB02 IPOC Station P, PB01 IPOC Station P, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like PATCX Punta Patache, LBTB Lobatse, G001 Chumizma, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like PTLB Pontes e Lacer, PTLB Pontes e Lacer, PTLB Pontes e Lacer, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like PB1E POC Station P, TSUM Tsumeb, TSUM Tsumeb, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like H10S2 ASCENSION HYDR52, H10S3 ASCENSION HYDR52, H10S4 ASCENSION HYDR52, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like LPAZ La Paz, LPAZ La Paz, LPAZ La Paz, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like VILB Vilhena, H10N1 ASCENSION HYDR53, H10N2 ASCENSION HYDR53, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like H10N3 ASCENSION HYDR53, H10N4 ASCENSION HYDR53, H10N5 ASCENSION HYDR53, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like SAML Samuel, SAML Samuel, SAML Samuel, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like YKA Yellowknife Arr, YKA Yellowknife Arr, YKA Yellowknife Arr, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like YARS 12 06:06:12.9, YARS 12 06:06:12.9, YARS 12 06:06:12.9, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like KHNH Khani, KHNH Khani, KHNH Khani, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like KHNH Khani, KHNH Khani, KHNH Khani, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like YKLR Yuktali, YKLR Yuktali, YKLR Yuktali, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like YKLR Yuktali, YKLR Yuktali, YKLR Yuktali, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like CRCS Chara, CRCS Chara, CRCS Chara, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like CRCS Chara, CRCS Chara, CRCS Chara, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like CLNS Chul'man, CLNS Chul'man, CLNS Chul'man, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like CLNS Chul'man, CLNS Chul'man, CLNS Chul'man, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like ALDR Aldan, ALDR Aldan, ALDR Aldan, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like ALDR Aldan, ALDR Aldan, ALDR Aldan, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like NLYR Nelyaty, NLYR Nelyaty, NLYR Nelyaty, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like NLYR Nelyaty, NLYR Nelyaty, NLYR Nelyaty, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like TUP Tupik, TUP Tupik, TUP Tupik, etc.



12d 6h

Table with columns for station code, name, coordinates, and values. Includes stations like MAK2 Makanchi, JHJ Hachioji jima 2, BVAR Borovoye, etc.

2018 APR

Table with columns for station code, name, coordinates, and values. Includes stations like B22K Teshekpuk Lake, P08K Sai George I, F19K Shalericuk Mo, etc.

750

Table with columns for station code, name, coordinates, and values. Includes stations like NOR Nord, O15K Ungalikthiuk R, KLMR Klimovskoe, etc.



M22K	Willow baz=306	41.83	46	P	P	06 14 05.4 +1.1
P19K	Oil Pt baz=306	41.83	49	P	P	06 14 04.6 +0.1
PHRA	Phrae	41.87	210	P	P	06 14 04.2 -0.9
J25K	Salcha River baz=306	41.88	40	P	P	06 14 04.6 -0.2
F28M	Old Crow comp=Z,12nm,1.3s	41.88	35	I Amb	I Amb	06 14 10.9
F28M	Old Crow	41.88	35	P	P	06 14 04.2 -0.6
CHNA	Chernabura Isl baz=307,SNR=10	41.95	58	P	P	06 14 06.0 +0.5
E29M	Blow River baz=308	42.00	33	P	I Amb	06 14 07.1 +1.4
E29M	Blow River baz=308	42.00	33	P	P	06 14 06.3 +0.6
CAPN	Captain Cook N baz=306	42.01	47	P	P	06 14 06.5 +0.8
DHY	Denali Highway baz=307	42.08	43	P	I Amb	06 14 07.2 +0.6
DHY	Denali Highway baz=306,SNR=6.8	42.08	43	P	P	06 14 06.0 -0.6
Q19K	Cape Douglas, baz=307	42.09	50	P	P	06 14 06.1 -0.4
H27K	Steamboat Moun baz=307	42.20	37	P	P	06 14 07.8 +0.4
K24K	Donnelly Dome baz=307	42.22	41	P	P	06 14 07.8 +0.2
WAT6	Susitna Watana baz=307	42.24	44	P	P	06 14 08.1 +0.2
CMAR	Chiang Mai Arr baz=307	42.27	212	P	P	06 14 08.0 -0.4
CMAR	Chiang Mai Arr comp=Z,0.7nm,0.6s,baz=12,slow=8.1,SNR=7.1	42.27	212	P	P	06 14 07.5 -0.9
CMAR	Chiang Mai Arr baz=307	42.27	212	P	P	06 14 08.0 -0.4
GHO	Glory Hole Cre baz=307	42.27	45	P	I Amb	06 14 08.7 +0.6
GHO	Glory Hole Cre comp=Z,0.7nm,0.6s	42.27	45	P	I Amb	06 14 13.4
PMR	Palmer comp=Z,20nm,0.8s	42.30	45	P	P	06 14 08.8 +0.6
PMR	Palmer baz=307	42.30	45	P	P	06 14 08.9 +0.7
PMR	Palmer	42.30	45	P	P	06 14 08.8 +0.6
RC01	Rabbit Creek A baz=307	42.37	46	P	P	06 14 09.2 +0.4
SML	Sawmill baz=307	42.48	45	P	I Amb	06 14 10.2 +0.5
SML	Sawmill	42.48	45	P	I Amb	06 14 15.4
SML	Sawmill comp=Z,18nm,0.7s	42.48	45	P	P	06 14 10.5 +0.7
I27K	Kandik River baz=308	42.55	38	P	P	06 14 11.1 +0.7
J26L	Joseph Creek baz=307	42.57	40	P	P	06 14 10.8 +0.3
KNK	Knik Glacier baz=307	42.67	45	P	P	06 14 11.2 -0.1
O22K	Cooper Landing baz=307	42.74	47	P	P	06 14 12.6 +0.8
SCRK	Sand Creek baz=307	42.74	40	P	P	06 14 12.4 +0.5
BR5E	Bradley Lake S baz=307	42.79	48	P	P	06 14 12.8 +0.6
Q20K	Shuyak Island baz=308	42.80	50	P	P	06 14 13.2 +0.9
PAX	Phaxon baz=308	42.83	42	P	P	06 14 13.5 +0.8
SCM	Sheep Creek Mo baz=308	42.84	44	P	P	06 14 13.4 +0.7
G29M	Pine Creek baz=309	42.88	35	P	P	06 14 13.7 +0.8
A36M	Sachs Harbour baz=310	42.93	25	P	I Amb	06 14 14.1 +0.9
A36M	Sachs Harbour baz=314,SNR=12	42.93	25	P	P	06 14 14.1 +0.9
SEW	Seward baz=308	43.08	47	P	P	06 14 14.8 +0.3
M24K	Tolson, Glenn baz=308	43.11	43	P	P	06 14 14.9 +0.1
F30M	Barrier River baz=310,SNR=9.2	43.11	33	P	P	06 14 15.4 +0.6
CHIR	Chirikof Islan baz=308	43.13	55	P	P	06 14 15.0 0.0
MOS	Moscow comp=Z,40nm,0.9s	43.14	305	eP	pmax	06 14 11.8 -3.3
MOS	Moscow	43.14	305	eP	pmax	06 14 11.8 -3.3
H29M	Whitestone baz=309	43.21	36	P	P	06 14 15.6 0.0
EGAK	Eagle baz=309	43.22	38	P	P	06 14 15.7 +0.1
KDAK	Kodiak Island comp=Z,211nm,18.4s,baz=351,slow=38	43.23	51	LR	LR	06 33 46.9
INK	Inuvik baz=311,SNR=7.3	43.31	31	LR	LR	06 14 17.6 +1.4
INK	Inuvik comp=Z,74nm,19.3s,baz=358,slow=59	43.31	31	LR	LR	06 34 31.7
K27K	Chicken baz=309	43.38	40	P	P	06 14 17.8 +0.9
G30M	IAoh Zrai Nji comp=Z,14nm,1.2s	43.38	34	I Amb	I Amb	06 14 22.9
G30M	IAoh Zrai Nji baz=310	43.38	34	P	P	06 14 17.5 +0.5
GLI	Glacier Island baz=308	43.52	45	P	P	06 14 18.2 +0.1
L26K	Log Cabin Wild baz=309	43.56	41	P	P	06 14 19.2 +0.8
DAG	Danmarks Havn baz=309	43.58	347	iP	I Amb	06 14 17.4 -0.9
DAG	Danmarks Havn	43.58	347	iP	I Amb	06 14 22.7
KLU	Klutina comp=Z,6.1nm,0.8s	43.58	44	I Amb	I Amb	06 14 24.4
KLU	Klutina comp=Z,15nm,0.8s	43.58	44	P	P	06 14 19.5 +0.7
EPYK	Eagle Plains baz=310	43.63	35	P	P	06 14 19.6 +0.6
F31M	TSightchic baz=310	43.82	33	P	I Amb	06 14 21.1 +0.8
F31M	TSightchic comp=Z,18nm,1.1s	43.82	33	P	I Amb	06 14 26.2
F31M	TSightchic baz=311,SNR=11	43.82	33	P	P	06 14 20.7 +1.1
OBN	Obninsk	44.00	305	iP	pmax	06 14 23.1 +1.1
OBN	Obninsk	44.00	305	iP	pmax	06 14 23.1 +1.1
OBN	Obninsk comp=Z,21nm,1.3s	44.00	305	iP	pmax	06 14 23.1 +1.1
N25K	Chitina, Valde baz=309	44.00	43	P	I Amb	06 14 22.9 +0.8
N25K	Chitina, Valde	44.00	43	P	I Amb	06 14 28.2
N25K	Chitina, Valde comp=Z,8.4nm,0.9s	44.00	43	P	P	06 14 22.7 +0.6
G31M	Satah River baz=311,SNR=9.8	44.01	33	P	P	06 14 22.2 +0.3
L27K	Beaver Creek, baz=310	44.08	41	P	P	06 14 23.6 +1.0
M26K	Nabesna, AK baz=310	44.08	42	P	P	06 14 24.1 +1.4
BCAR	Beaver Creek A baz=310	44.09	40	P	P	06 14 23.7 +0.9
KEF	Keuruk baz=310	44.24	318	eP	P	06 14 24.8 +0.9
EYAK	Cordova Ski A baz=309	44.24	45	P	P	06 14 24.8 +0.9
FIA1	FINESS Array S baz=310	44.26	317	P	P	06 14 23.3 -0.8
DAWY	Dawson baz=310	44.26	38	P	P	06 14 25.0 +0.9
FINES	FINESS Array B baz=310	44.26	317	P	P	06 14 23.8 -0.2
FINES	FINESS Array B comp=Z,18nm,0.9s,baz=46,slow=8.2,SNR=26	44.26	317	P	P	06 14 23.2 -0.8
FINES	FINESS Array B comp=Z,4.1nm,0.9s,baz=90,slow=5.6,SNR=4.3	44.26	317	LR	LR	06 16 10.0 +1.7
J29N	Klondike Camp baz=311	44.40	37	P	P	06 14 26.6 +1.4
BMRM	Bremner River baz=310	44.41	44	P	P	06 14 26.8 +1.4
VAF	Ylistera baz=311	44.46	320	eP	P	06 14 26.3 +0.8
I30M	Mount Dempster baz=311	44.49	36	P	P	06 14 26.8 +0.8
M27K	Edge Creek, AK baz=310	44.51	41	P	P	06 14 26.6 +0.4
MCARA	McCarthy VSAT baz=310	44.73	43	P	P	06 14 28.1 +0.3
H31M	Peel River baz=312	44.73	34	P	P	06 14 27.8 0.0
GEYT	Alibek comp=Z,12nm,1.1s	44.75	272	P	I Amb	06 14 28.1 -0.2
GEYT	Alibek comp=Z,6.5nm,0.9s,baz=276,slow=4.3,SNR=9.4	44.75	272	P	P	06 14 28.5 +0.2
GEYT	Alibek comp=Z,12nm,1.1s	44.75	272	P	pmax	06 14 28.1 -0.2
J30M	Hart River baz=312	44.93	37	P	P	06 14 29.8 +0.2
VORR	Voronezh comp=Z,10.0nm,0.8s	45.02	299	eP	pmax	06 14 22.3 -7.9
VORR	Voronezh	45.02	299	eP	pmax	06 14 22.3 -7.9
K29M	Barlow Dome comp=Z,10nm,1.4s	45.03	38	I Amb	I Amb	06 14 35.8
K29M	Barlow Dome baz=312	45.03	38	P	P	06 14 29.9 -0.4
C36M	Paulatuk comp=Z,8.4nm,0.9s	45.08	27	I Amb	I Amb	06 14 34.3
C36M	Paulatuk baz=312	45.08	27	P	P	06 14 30.7 +0.2
CRQK	Cirque baz=311	45.11	44	P	P	06 14 30.1 -0.9
KAIM	Kayak Island baz=312	45.15	45	P	P	06 14 31.0 -0.2
NEEM	North Greenlan comp=Z,8.1nm,1.1s	45.22	358	iP	I Amb	06 14 32.6 +0.7
NEEM	North Greenlan	45.22	358	iP	I Amb	06 14 35.7
L29M	L29M comp=Z,8.1nm,1.1s	45.32	39	P	P	06 14 32.2 -0.3
VSR	Storozhevye comp=Z,10.0nm,0.6s	45.34	299	eP	pmax	06 14 33.1 +0.4
VSR	Storozhevye	45.34	299	eP	pmax	06 14 33.1 +0.4
BARN	Norse Creek baz=313	45.40	41	P	P	06 14 32.9 -0.5
BARN	Barnard Glacier comp=Z,13nm,1.0s	45.44	43	I Amb	I Amb	06 14 39.8
VORD	Divnogorie comp=Z,10.0nm,0.7s	45.44	299	eP	pmax	06 14 33.9 +0.3
VORD	Divnogorie	45.44	299	eP	pmax	06 14 33.9 +0.3
ARBK	Arbavere baz=312	45.60	315	eP	P	06 14 34.6 -0.1
CTG	Chitna Glacier baz=312	45.62	43	P	P	06 14 35.3 +0.3
M29M	Somme Creek baz=312	45.65	40	P	P	06 14 35.9 +0.6
MEF	Metsahovi baz=312	45.69	316	eP	P	06 14 35.8 +0.5
MESA	MESA baz=312	45.92	44	P	P	06 14 37.7 +0.2
DBG	Daneborg comp=Z,63nm,19.5s,baz=13,slow=37	45.94	346	iP	LR	06 14 36.9 -0.3
RES	Resolute Bay baz=312	45.96	13	LR	LR	06 34 57.1
YUK8	Steele Glacier comp=Z,139nm,19.6s,baz=323,slow=38	45.98	42	P	P	06 14 38.4 +0.4
RAF	Rauma baz=312	46.12	318	eP	P	06 14 35.9 +0.8
O28M	Mount Upton baz=312	46.17	42	P	P	06 14 40.4 +0.9
YUK4	Talbot Arm baz=312	46.33	41	P	P	06 14 41.1 +0.4
YUK6	Outpost Mounta baz=313	46.71	41	P	P	06 14 44.2 +0.5
N30M	Aishkik Lake comp=Z,6.1nm,1.1s	46.80	40	I Amb	I Amb	06 14 58.1
N30M	Aishkik Lake baz=314	46.80	40	P	P	06 14 44.9 +0.6
MAK	Makhachkala comp=Z,154nm,14.0s	46.82	285	eP	eS	06 14 40.4 -4.0
MAK	Makhachkala	46.82	285	eP	eS	06 16 31.6
MAK	Makhachkala	46.82	285	eP	MLR	06 21 28.0 -6.8
MTSE	Matsula comp=Z,59nm,18.8s,baz=45,slow=38	46.92	315	eP	LR	06 14 46.1 +1.0
JMIC	Jan Mayen baz=319	46.94	340	LR	LR	06 37 05.5
O29M	Mount Kennedy baz=314	47.07	42	P	P	06 14 47.2 +0.7
H31T	Haines Junctio baz=314	47.09	41	P	P	06 14 47.1 +0.5
MYT	Drury Creek, Y baz=315	47.20	38	P	P	06 14 48.1 +0.8
PNL	Peninsula baz=314	47.21	43	P	P	06 14 48.1 +0.7
N31M	Braeburn, Yuko baz=314,SNR=5.9	47.23	40	P	P	06 14 48.4 +0.8
FARO	Faro, Yukon comp=Z,10.0nm,1.3s	47.53	38	I Amb	I Amb	06 14 55.3
FARO	Faro, Yukon	47.53	38	P	P	06 14 51.1 +1.2
O30N	Mendenhall baz=315	47.63	40	P	P	06 14 52.5 +1.8
P29M	Windy Craggy baz=314	47.84	42	P	P	06 14 53.9 +1.6
WHY	Whitehorse baz=315	48.13	40	P	P	06 14 56.7 +2.0
ISAL	Salakas baz=315	48.16	311	eP	P	06 14 55.8 +1.0
MNK	Minsk comp=E,9.0nm,0.8s	48.17	309	iP	P	06 14 57.1 +2.2
MNK	Minsk	48.17	309	iP	P	06 14 57.1 +2.2
MNK	Minsk comp=N,32nm,0.8s	48.17	309	iP	P	06 14 57.1 +2.2
MNK	Minsk comp=Z,21nm,0.7s,baz=46	48.17	309	iP	P	06 16 49.6 +2.9
MNK	Minsk	48.17	309	iP	P	06 17 37.4
MNK						

Table with columns: DPC, Dobruska-Polom, 56.02 312, P, P, 06 15 55.1+1.7, etc. Includes stations like DPC, VOIR, KRALC, etc.

Table with columns: FFC, Valguenera, 67.19 304, LR, LR, 06 51 28.8, etc. Includes stations like FFC, EIL, NEW, etc.

Table with columns: SDCO, Great Sand Dun, 77.40 36, Iamb, Iamb, 06 18 14.9, etc. Includes stations like SDCO, LONY, WUAZ, etc.

ISC 12 06:11:10.63.7, 12:555x13:44E, h0km, mb3.0/2, mbtnp3.2/2, Error ellipse: s-major=128.9km s-min=46.1km az=11.0



12d 7h

Table with columns for station name, frequency, mode, and signal strength. Includes stations like TX31, BRDY, OZNA, NATX, ALPN, WHTX, FW13, MNHN, FW16, SGCY, FW07, VHRN, ABTX, PLPT, ODSA, APMT, POST, MNTX, X40A, UALR, FNO, SMWD, AMTX, WHAR, Y48A, OK033, X46A, FCAR, BNM, U36A, LCAR, Y52A, BLOK, SWET, KAN06, V48A, PBMO, WVT, S39A, TULM, T25A, U49A, TKL, CCM, R40A, R32A, KSU1, P38A, P40A, P43A, R50A, N33A, P46A, N35A, P48A, Q51A, Q52A, O49A, P52A, L42A, O52A, BAUV, N53A, M53A, NVAR, E43A, LONY, ULM, LPAZ, SCHO, YKA, BDFB.

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Table with columns for station name, frequency, mode, and signal strength. Includes stations like INK, RES, KDAK, ILAR, PLCA, NOA, ELIB, DJA, IDC, NEIC, ISC, Code, RABL, PMG, COEN, RKH, FAKI, QIS, EIDS, KDU, MTN, QLP, WBO, WRD, WRAB, WRA, WRA, WRA, WRA, WRA, WRA, ARMA, KNRA, AS31, ASAR, ASAR, ASAR, ASAR, CMSA, SOEI, STKA, STKA, LCRK, FITZ, CAN, CAN, MULG, WKA, HTT, BBOO, BBOO, TOO, ARPS, FORT, FORT, PSAA, LTZ, MORW, ODZ, KSM, JSD, KSRS, PEAOB, CRAI, CMAR, CMAR, PZH, PZH, HHC, HHC, MA2, MA2, SONM, SONM, SONM, SONM.

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Table with columns for station name, frequency, mode, and signal strength. Includes stations like SONM, SHL, LSA, CASH, VANDA, SBA, K15K, P19K, L18K, CNPM, L19K, K20K, G18K, RC01, H19K, F19K, KTH, MKR, MKAR, MKAR, MAKZ, WRH, CCB, ZALV, ILAR, ILAR, KSH, KSH, KURBB, QSPA, QSPA, E29M, G31M, G31M, KKR, BVAR, YKA, YKA, BOSA, LPAZ, CPUP, TORD, BDFB, CNRM, INMG, SFS, MDD, IGL, ISC, Code, PFVI, PFVI, PFVI, MORF, MORF, MORF, MORF, PBDV, PBDV, PBDV, PCVE, PCVE, PCVE, PNCL, PNCL, PNCL, PVAQ, PVAQ, PVAQ.



Table with columns for station code, name, frequency, and signal strength. Includes stations like JYM2 Yakumo 2, JSS Shosan, JRR Rishiri, etc.

Table with columns for station code, name, frequency, and signal strength. Includes stations like JRA Rausu, JSZI lwateshizukuis, RUSJ Misicho, etc.

Table with columns for station code, name, frequency, and signal strength. Includes stations like GRNR comp=N,70nm,0.9s, GRNR Gornyy, etc.











Table with columns: Call sign, Name, Frequency, Mode, Power, and other details. Includes entries like R11B Troy Canyon, ANTO Ankara, and various other stations.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other details. Includes entries like ELND Elena, BFSC Mount Baldy, NRS Narsarsuaq, and various other stations.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other details. Includes entries like TEKS Tekeris, TNS Taunus Mts, and various other stations.

12d 8h

Table with columns: CAN, CAN, OHR, BUM, HCY, HCY, SCHQ, SCHQ, SCHQ, ULC, STON, MCH1, MCH1, E38A, E38A, W18A, CTI, CTI, CTI, CTI, MONM, MONM, SWN1, SWN1, WOL, DAVOX, DAVOX, DAVOX, ECSD, IGLA, SDCO, SDCO, APE, APE, RBSB, RBSB, 214A, SPMM, TUE, IWEX, KARP, ARPS, AUSMG, KSCO, BGNE, I37A, TUC, T25A, MILA, BRAT, SGRT, TOO, SCITE, SCITE, ANMO, ANMO, ANMO, ANMO, MATE, GEXS, INTR, Y22D, Y22F, CBKS, N35A, N35A, 121A, 121A, SCIA, TIP, SSB, SSB, SSB, JFW5, KSU1, GLMI, CEL, L42A, AMTX, M5TX, P38A, P38A, M4TX, L44X, P40A, P40A, HDIL, WMOK, AAM, TUL3, SFIN, CCM, ABTX, LONY, TXAR, TXAR, TXAR, O48B, ERPA

2018 APR

Table with columns: PKME, M53A, P49A, LBNH, ACOS, MIAR, JCT, WHTX, W3A, W51, BINY, PPT2, PPT2, PPT2, KEST, KEST, P52A, TAOE, 435B, L61B, SSPA, WVT, PBRG, MCWV, HRV, PGAV, NATX, 833A, OXF, MVO, PVRL, PAL, ESDC, ESDC, PVIS, TZTN, MTE, COI, BLA, PCBR, VBMS, PMRV, LRAL, KMSC, TBI, MESJ, GOGA, PCVE, CNNC, TIGA, TORD, TORD, TORD, TORD, DBIC, DBIC, Vnda, ROSC, MAW, BOS, BOS, QSPA, QSPA, QSPA, ELIB, LPAZ, LPAZ, TROLL, SNA4, SNA4, SNA4, SIV, SIV, VNA2, LVC, LVC, VNA3, VNA3, BDFB, BDFB, PLCA, PLCA

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Table with columns: CPUP, CPUP, NEIC, AEIC, Code, TRF, TRF, TRF, TRF, RND, RND, RND, RND, WAT7, WAT7, WAT7, MCK, CUT, CUT, CUT, BWN, BWN, BWN, CAST, WAT6, DHY, DHY, PPLA, PPLA, CHUM, M22K, SKT, SKT, SKT, GHO, SML, SML, NEA2, NEA2, NEA2, WRH, PMR, PMR, M23K, SUA, SUA, SCM, SCM, CCB, HDA, HDA, HDA, KNL, STLK, K20K, COLA, COLA, MLY, M24K, M24K, PAX, PAX, M20K, M20K, M20K, RC01, L31, SPCG, J20K, SPNN, SPCR, I21K, I21K, I21K, KLU, KLU, CAPN, M19K, M19K, J25K, J25K, L19K, L19K, L19K, SCRK, SCRK, J19K, MENT, TTA, TTA, H21K, H21K, H21K, N25K, N25K, L26K



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like West Rim, Uwekahuna, Sand Hill, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Mina Guanaco, El Transito, Las Campanas, etc.

TAP 12 08:47:09.0, 24.92N: 122.26E, h136km, ML3.1, D JMA 12 08:47:10.0, 25.25N: 122.22E, 0.4, h130km, 1km, MV2.3/12, TAIWAN REGION

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Santiaog Chiao, Grass Mountain, Shuangxi, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Xiulin Townshi, Tomren, Tachien, etc.

IDC 12 08:55:59.7, 0.8, 6.16S: 152.47E, h0km, mb4.2/12, mbmp4.2/13, ML2.8/1, MS3.4/9, Error ellipse: s-maj=21.1km s-min=18.5km az=107.0

NEIC 12 08:56:03.3, 1.2, 6.30S: 0.06, 152.6E, 0.1, h12km, 6km, mb4.7/21, Error ellipse: s-maj=17.7km s-min=9.4km az=92.0

ISC 12 08:56:05.6, 0.7, 6.20S: 0.08, 152.5E, 0.1, h38km, n46, r130/42, mb4.4/22, MS3.2/7, New Britain region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Rabaul, Port Moresby, Suao, etc.

SJA 12 08:41:34.8, 0.7, 26.46S: 71.56W, h17km, 5km, ML3.6, MW3.7

GUC 12 08:41:38.2, 0.6, 26.59S: 71.19W, h40km, 3km, ML3.5

ISC 12 08:41:35.5, 2.7, 26.51S: 0.03, 71.38W, 0.08, h5km, 18km, n32, r199/41, 1C-4D, Off coast of northern Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Pan de Azucar, Copiap, Llanos de Chal, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Yonagunijima, Datong, Sanguang, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Bethel, Nivaranak Lak, Wolf Creek, etc.

Table with columns: BVAR, YKA, AKTO, TORD. Rows include Borovoye Array, Yellowknife Arr, Aktyubinsk, Torodi Ar. Bea with various parameters like comp, baz, slow, SNR, and time offsets.

ISC 12 09:06:09.3:1.1, 66.75N, 0.04, 135.82W, 0.003, h18km, 3km, n10, c045/18, Northern Yukon Territory

Main table for ISC 12 09:06:09.3:1.1, 66.75N, 0.04, 135.82W, 0.003, h18km, 3km, n10, c045/18, Northern Yukon Territory. Columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include G30M, G30M, EPYK, EPYK, G31M, G31M, F30M, F30M, G29M, G29M, F31M, F31M, H31M, H31M, H29M, H29M, I30M, I30M, INK, INK.

IDC 12 09:07:31.3:0.1, 9:96N, 121:97E, h0km, mb4.0/12, mbtmp4.0/12, MS3.3/7, Error ellipse: s-maj=35.7km s-min=15.6km az=64.0

NEIC 12 09:07:38.1:2.7, 10:23N, 10:122:0E, 0.1, h33km, 5km, mb4.6/39, Error ellipse: s-maj=19.7km s-min=13.4km az=73.0

ISC 12 09:07:36.2:0.5, 10:18N, 0.008:122:0E, 0.1, h27km, n57, c151/47, mb4.5/29, MS3.4/7, Panay

Main table for ISC 12 09:07:36.2:0.5, 10:18N, 0.008:122:0E, 0.1, h27km, n57, c151/47, mb4.5/29, MS3.4/7, Panay. Columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include MYLW, MYLW, FAKI, FAKI, MMRI, MMRI, SOEI, SOEI, PHRA, PHRA, GUMO, GUMO, CRAI, CRAI, CMAR, CMAR, CMAR, CMAR, WB0, WB0, WRAB, WRAB, WRA, WRA, WRA, WRA, WB2, WB2, AS31, AS31, ASAR, ASAR, ASAR, ASAR, SONM, SONM, SONM, SONM, KLR, KLR, PALK, PALK, FORT, FORT, EIDS, EIDS, MKAR, MKAR, BOOM, BOOM, AAK, AAK, AAK, AAK, KURB, KURB, GAR, GAR, CHGR, CHGR, KK31, KK31, KKAR, KKAR, BVAR, BVAR, BRVK, BRVK, TIXI, TIXI, TIXI, TIXI, ABKAR, ABKAR, ABKAR, ABKAR, AKTO, AKTO, KBZ, KBZ, C19K, C19K, D19K, D19K, E19K, E19K.

Table with columns: H19K, G21K, BPAW, ILAR, BRTR, F28M, F28M, FINES, I28M, I28M, BARN, H29M, J29N, NOA, PLCA. Rows include Roundabout Mou, Allakaket, Bear Paw Mtn, Eielson Array, Keskin Array B, Old Crow, FINES Array B, Miner Creek, Barnard Glacier, Whitestone, Klondike Camp, NORASO Array B, PARSAR Array B.

IDC 12 09:12:37.3:1.0, 30:55S, 60:06E, h0km, mb3.8/7, mbtmp3.8/7, Error ellipse: s-maj=36.1km s-min=28.1km az=46.0

ISC 12 09:12:39.1:1.0, 30:6S, 0:2-60:0E, 0.2, h11km, n14, c083/8, mb4.0/7, Southwest Indian Ridge

Main table for ISC 12 09:12:39.1:1.0, 30:6S, 0:2-60:0E, 0.2, h11km, n14, c083/8, mb4.0/7, Southwest Indian Ridge. Columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include H04N2, H04N1, H04N3, H01W, H01W3, H01W1, GSPA, CMAR, ASAR, WRA, TORD, MKAR, KURBB, YKA.

TAP 12 09:13:50.8, 24:54N, 122:61E, h99km, 1km, ML3.3, C JMA 12 09:13:50.7, 0.1, 25:1N, 1:122:6E, 0.4, h99km, 1km, MV2.8/19, NW OFF ISHIGAKIJIMA IS

ISC 12 09:13:51.3:1.3, 24:55N, 0:04-122:63E, 0.02, h96km, 7km, n106, c065/164, 2C-10, Taiwan region

Main table for ISC 12 09:13:51.3:1.3, 24:55N, 0:04-122:63E, 0.02, h96km, 7km, n106, c065/164, 2C-10, Taiwan region. Columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include JYNG, JYNG, YOJ, YOJ, YOJ, YOJ, YOJ, YOJ, EOS2, EOS2, EOS2, EOS2, EOS4, EOS4, TWC, TWC, TWC, TWC, ESAO, ESAO, TWB1, TWB1, TWB1, EWUT, EWUT, ENA, ENA, ENA, NDS, NDS, EAHA, EAHA, EPHA, EPHA, TIPB, TIPB, SXI1, SXI1, SXI1, TWE, TWE, WFSB, WFSB, WFSB, FUSB, FUSB, FUSB, ENT1, ENT1, ENT1, ENT1, TNOU, TNOU, TNOU, TNOU, ETL, ETL, LATG, LATG, LATG, NACB, NACB, NACB, NACB.

Main table for 12d 9h. Columns: NDT, NDT, IRIF, IRIF, NWLT, NWLT, NWLT, NWLT, TWD, TWD, TWD, NHDH, NHDH, NHDH, HWA, HWA, HWA, ETYL, ETYL, ETYL, ETYL, TATO, TATO, NNSB, NNSB, NNSB, YHNB, YHNB, YHNB, YHNB, NNS, NNS, NNS, TEYL, TEYL, TEYL, NSK, NSK, NSK, NSK, HATJ, HATJ, TWY, TWY, ETM, ETM, ETM, LXIB, LXIB, LXIB, TWS1, TWS1, TWS1, SHUL, SHUL, SHUL, NTST, NTST, NTST, FUSS, FUSS, FUSS, JKRS, JKRS, JKRS, WHF, WHF, WHF, WHF, ESL, ESL, ESL, TWT, TWT, TWT, TWT, TDCB, TDCB, TDCB, NCUH, NCUH, NCUH, NCUH, NFF, NFF, NFF, JIJ, JIJ, JIJ, EGFH, EGFH, EGFH, WARBT, WARBT, WARBT, CHGB, CHGB, CHGB, OWD, OWD, OWD, OWD, LIOB, LIOB, LIOB, NSTT, NSTT, NSTT, WUSB, WUSB, WUSB, SBCB, SBCB, SBCB, HGSD, HGSD, HGSD, JISG, JISG, JISG, WHP, WHP, WHP, VWDT, VWDT, VWDT, EHY, EHY, EHY, ECBN, ECBN, ECBN, WCS, WCS, WCS, NMLH, NMLH, NMLH, YULB, YULB, YULB, EYUL, EYUL, EYUL, TWF1, TWF1, TWF1, TWQ1, TWQ1, TWQ1, SSLB, SSLB, SSLB, NSY, NSY, NSY, SMLT, SMLT, SMLT, TYC, TYC, TYC, TYC, CHKH, CHKH, CHKH.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like F31M, INK, CMAR, etc.

IDC 12 09:29:56.1±3.1, 53.58N-87.77E, h0km, mbmtpp.8/2, ML2.6/2, Error ellipse: s-maj=27.5km s-min=16.5km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I46RU, ZALV, ZALV, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AS31, ASAR, WRKA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like F31M, INK, CMAR, etc.

LIU 12 09:31:17.9, 17:99S:172.60W, h168km, mb5.1/26, Tonga Islands Region

BGR 12 09:31:37.4, 18.64S:174.72W, h200km, IDC 12 09:31:41.3±5.5, 18.00S:175.14W, h226km, 32km mb4.2/16, mbtmp.8/18, Error ellipse: s-maj=13.9km s-min=13.2km az=104.0

NEIC 12 09:31:42.7±2.3, 18.17S:175.01W, h14W:0.09, h236km, 7km, mb4.7/87, Error ellipse: s-maj=14.4km s-min=11.8km az=178.0

ISC 12 09:31:41.4±0.3, 18.20S:0.07W:175.15W:0.06, h228km, n219, 0994/198, mb4.6/71, 15C-9D, Tonga Islands

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PETK, TPUB, LEM, NVAR, etc.

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

IDC 12 09:36:54.1±5.3, 7.12S:129.79E, h113km, 45km, mb3.9/3, mbtmp4.6/6, Error ellipse: s-maj=45.9km s-min=18.1km az=58.0

DJA 12 09:36:54.0±0.4, 7.3±1.3, h188km, 8km, M4.5/12, mb4.5/8, mb5.0/7, MLv4.6/12, Mw(mb)4.3/7

NEIC 12 09:36:55.2±2.3, 7.02S:0.07W:129.78E:0.08, h125km, 4km, mb4.3/14, Error ellipse: s-maj=12.1km s-min=9.4km az=110.0

ISC 12 09:36:56.3±0.5, 7.22S:0.05W:129.86E:0.05, h150km, n55, 0193/53, mb4.5/9, Banda Sea



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SAUI Saumlaki, BNDI Bandanaira, and others.

Table with columns: JHS, Saijiyo, 15.15 328, etc. Includes stations like JHKI Hikimi, JMM Marumori, and others.

Table with columns: PZH, comp=Z, 30nm, 0.6s, etc. Includes stations like ULN Ulanbaatar, ULN Ulanbaatar, and others.

IDC 12 09:38:41.0, 1.4, 22.234N, 142.93E, h190km, 11km, mb4.2/28, mbtmp4.7/32, MS3.5/1, Error ellipse: s-maj=13.1km s-min=9.0km az=78.0

MOS 12 09:38:42.0, 0.9, 22.39N, 142.90E, h211km, mb4.7/38, Error ellipse: s-maj=11.8km s-min=5.7km az=106.1

NEIC 12 09:38:42.4, 1.4, 22.37N, 142.90E, h193km, 7km, mb4.7/29.3, Error ellipse: s-maj=15.5km s-min=11.4km az=83.0

JMA 12 09:38:43.1, 0.2, 22.62N, 142.91E, h200km, 2km, MVS=640, IOTI ISLANDS REGION

ISC 12 09:38:42.6, 0.3, 22.48N, 142.94E, h200km, mb688, s1946/602, mb4.7/212, 17C, Volcano Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JHH2 Haha-jima-NKT2, CJLJ Chichijima, and others.

Table with columns: GTOI Gorontolo, MYDLM Lahad Datu, etc. Includes stations like GTOI Gorontolo, MYDLM Lahad Datu, and others.

Table with columns: ASAR Alice Springs, BILL Bilibino, etc. Includes stations like ASAR Alice Springs, BILL Bilibino, and others.

STKA	Stephens Creek	54.06	181	P	P	09 47 46.2	-0.3
MEEK	Meekatharra	54.21	207	P	P	09 47 46.6	-1.1
CHGN	Chignik	54.27	36	P	P	09 47 47.8	+0.1
O15K	Ungalikthiuk R	54.29	32	P	P	09 47 48.9	+1.0
L15K	Ungalak Mounta	54.30	29	P	P	09 47 48.8	+0.9
M15K	Kasigluk River	54.34	30	P	P	09 47 49.3	+1.1
N15K	Kwethluk River	54.46	31	I	I	09 47 51.4	
N15K	Kwethluk River	54.46	31	P	P	09 47 50.6	+1.5
K15K	Wolf Creek Mou	54.49	28	I	I	09 47 51.9	
K15K	Wolf Creek Mou	54.49	28	P	P	09 47 50.8	+1.5
G15K	Niukuk	54.51	25	P	P	09 47 50.8	+1.4
F15K	North Star Dit	54.58	24	P	P	09 47 51.4	+1.5
FORT	Fortrest	54.85	196	P	P	09 47 51.3	-0.9
H16K	Elim	55.07	25	P	P	09 47 54.4	+1.1
P16K	Nushagak River	55.16	33	P	P	09 47 55.7	+1.6
N16K	Nishituk Lake	55.17	31	P	P	09 47 55.8	+1.6
L16K	Owhat River	55.22	29	P	P	09 47 55.2	+0.7
J16K	Anvik River	55.24	27	I	I	09 47 57.3	
J16K	Anvik River	55.24	27	P	P	09 47 56.9	+2.2
M16K	Timber Creek	55.24	30	P	P	09 47 55.9	+1.2
O16K	Kokwok River B	55.26	32	P	P	09 47 56.1	+1.3
G16K	Koyuk River	55.32	25	P	P	09 47 55.9	+0.8
I17K	Unalakleet	55.41	27	P	P	09 47 56.5	+0.7
C16K	Lisburne Hills	55.51	21	P	P	09 47 57.6	+1.1
CHIR	Chirikof Islan	55.71	37	P	P	09 47 59.3	+1.3
HTT	Hallett	55.72	184	P	P	09 47 57.6	-0.9
Q16K	King Salmon	55.75	33	P	P	09 47 59.2	+1.0
O17K	Koliganek BRB	55.80	32	P	P	09 47 59.6	+1.0
LHI	Lord Howe Isla	55.87	163	P	P	09 47 57.4	-2.1
N17K	Nushagak Hills	55.94	31	I	I	09 48 02.7	
N17K	Nushagak Hills	55.94	31	P	P	09 48 01.3	+1.7
P17K	Kvichak River	55.98	33	P	P	09 48 01.6	+1.6
D17K	Noatak River	56.01	22	P	P	09 48 01.9	+1.9
G17K	Kiwalik Mounta	56.02	25	P	P	09 48 01.9	+1.8
K17K	Iditarod	56.05	28	P	P	09 48 02.3	+1.9
M17K	Holifna River	56.06	30	I	I	09 48 03.2	
M17K	Holifna River	56.06	30	P	P	09 48 02.3	+1.8
H17K	Granite Mounta	56.10	26	I	I	09 48 02.9	
H17K	Granite Mounta	56.10	26	P	P	09 48 02.4	+1.6
F17K	Baldwin Pennin	56.15	24	I	I	09 48 03.3	
F17K	Baldwin Pennin	56.15	24	P	P	09 48 02.8	+1.8
E17K	Hotham Inlet	56.20	23	P	P	09 48 03.0	+1.6
RDOG	Red Dog Mine	56.23	22	I	I	09 48 04.3	
RDOG	Red Dog Mine	56.23	22	P	P	09 48 03.4	+1.8
C17K	DeLong Mountai	56.32	21	P	P	09 48 03.7	+1.5
N18K	Kilae Creek	56.60	31	I	I	09 48 06.8	
N18K	Kilae Creek	56.60	31	P	P	09 48 05.2	+0.8
L18K	Granite Mounta	56.62	29	P	P	09 48 05.7	+1.2
P18K	Big Mountain,	56.63	33	P	P	09 48 05.7	+1.1
SII	Sitkinak Islan	56.63	36	P	P	09 48 05.8	+1.2
SII	Sitkinak Islan	56.63	36	P	P	09 48 05.7	+1.1
O18K	Koktuh Hills	56.74	32	P	P	09 48 06.9	+1.5
O18K	Koktuh Hills	56.74	32	P	P	09 48 06.8	+1.5
KURK	Kurchatov	56.75	317	P	P	09 48 06.2	+0.7
KURK	Kurchatov	56.75	317	P	P	09 48 06.1	+0.6
E18K	Tukpahleark C	56.77	23	I	I	09 48 08.3	
E18K	Tukpahleark C	56.77	23	P	P	09 48 07.1	+1.8
H18K	Honhosa River	56.80	26	I	I	09 48 07.2	
H18K	Honhosa River	56.80	26	P	P	09 48 06.8	+1.1
F18K	Selawik	56.80	24	P	P	09 48 07.0	+1.4
KURB	Kurchatov Arra	56.80	317	P	P	09 48 06.5	+0.6
M18K	Stony River	56.83	30	P	P	09 48 07.5	+1.6
SVW2	Sparvevohn	56.85	31	P	P	09 48 07.7	+1.6
G18K	Tagagawik	56.93	25	I	I	09 48 08.7	
G18K	Tagagawik	56.93	25	P	P	09 48 07.8	+1.2
J18K	Innoko River	56.96	28	P	P	09 48 07.7	+0.9
C18K	Utukok River	57.05	21	P	P	09 48 08.6	+1.2
TTA	Tatalina	57.12	28	P	P	09 48 09.3	+1.3
B18K	Kokolik River	57.16	20	P	P	09 48 09.8	+1.8
NR1K	Noril'sk	57.19	340	P	P	09 48 08.8	+0.5
NR1K	Noril'sk	57.19	340	I	I	09 48 09.5	
NR1K	Noril'sk	57.19	340	P	P	09 48 08.7	+0.4
NR1K	Noril'sk	57.19	340	P	P	09 48 08.8	+0.5
OHAK	Old Harbor	57.22	35	P	P	09 48 09.4	+0.7
OHAK	Old Harbor	57.22	35	P	P	09 48 09.2	+0.5
OHAK	Old Harbor	57.22	35	I	I	09 48 35.9	
OHAK	Old Harbor	57.22	35	P	P	09 48 09.6	+0.9
O19K	Port Aisworth	57.25	32	P	P	09 48 09.9	+1.1
GCSA	Galena City Sc	57.26	26	P	P	09 48 09.8	+0.9
N19K	Bonanza Creek	57.30	31	I	I	09 48 11.8	
N19K	Bonanza Creek	57.30	31	P	P	09 48 10.6	+1.3
Q19K	Cape Douglas,	57.33	33	P	P	09 48 09.7	+0.1
L19K	White Mountain	57.45	29	P	P	09 48 11.7	+1.5
J19K	Poorman	57.58	27	I	I	09 48 13.3	
J19K	Poorman	57.58	27	P	P	09 48 12.5	+1.4
F19K	Shalercucki Mo	57.58	24	P	P	09 48 12.0	+1.0
M19K	Big River Lodg	57.59	30	P	P	09 48 12.8	+1.5
G19K	Purcell Mounta	57.62	25	P	P	09 48 12.5	+1.1

H19K	Roundabout Mou	57.68	25	I	I	09 48 14.3	
H19K	Roundabout Mou	57.68	25	P	P	09 48 13.5	+1.7
P19K	Oil Pt	57.68	33	P	P	09 48 12.4	+0.4
KDAK	Kodiak Island	57.69	35	P	P	09 48 12.6	+0.7
A19K	Wainwright	57.74	20	P	P	09 48 14.1	+2.0
C19K	Lookout Ridge	57.77	21	I	I	09 48 15.3	
C19K	Lookout Ridge	57.77	21	P	P	09 48 14.2	+1.8
Q20K	Shuyak Island	57.92	34	P	P	09 48 13.9	+0.3
L20K	Farewell, AK	57.96	29	P	P	09 48 14.7	+0.9
E19K	Redstone River	57.99	23	I	I	09 48 16.5	
E19K	Redstone River	57.99	23	P	P	09 48 15.2	+1.3
D19K	Kuna River	58.04	22	I	I	09 48 16.5	
D19K	Kuna River	58.04	22	P	P	09 48 15.8	+1.5
K20K	Telida	58.08	28	I	I	09 48 17.5	
K20K	Telida	58.08	28	P	P	09 48 16.4	+1.8
M20K	Styx River	58.17	30	I	I	09 48 24.0	
M20K	Styx River	58.17	30	P	P	09 48 17.0	+1.6
J20K	Nowinta River	58.25	27	I	I	09 48 18.6	
J20K	Nowinta River	58.25	27	P	P	09 48 17.7	+2.0
I20K	Naaghedeneel	58.27	27	P	P	09 48 17.7	+1.8
H20K	Analeaga Mo	58.29	26	P	P	09 48 17.8	+1.8
F20K	Avaraak Lake	58.42	24	I	I	09 48 19.0	
F20K	Avaraak Lake	58.42	24	P	P	09 48 18.5	+1.7
N20K	Mount Spurr	58.47	31	P	P	09 48 18.7	+1.3
BLDU	Ballidu	58.49	207	P	P	09 48 17.1	-0.8
KSH	Kashi	58.61	303	P	P	09 48 23.1	+4.2
E20K	Nigu River	58.63	22	P	P	09 48 20.0	+1.5
D20K	Etluvit River	58.63	22	P	P	09 48 19.9	+1.5
PPLA	Purkeypile	58.81	29	P	P	09 48 21.2	+1.3
IMAR	Indian Mountai	58.88	25	P	P	09 48 21.4	+1.3
B20K	Meade River	58.90	20	P	P	09 48 21.8	+1.7
SKT	Skwentna	58.93	30	I	I	09 48 21.9	
SKT	Skwentna	58.93	30	P	P	09 48 21.0	+0.5
BRSE	Bradley Lake S	58.94	33	P	P	09 48 20.9	+0.3
ARPS	Arant Arapiles	58.94	181	P	P	09 48 21.0	+0.2
CHUM	Lake Mincemin	58.98	28	P	P	09 48 22.2	+1.6
CAST	Castle Rocks	58.97	28	P	P	09 48 21.9	+1.2
CAST	Castle Rocks	58.97	28	I	I	09 48 23.1	
CAST	Castle Rocks	58.97	28	P	P	09 48 22.1	+1.3
G21K	Allakaket	59.11	25	I	I	09 48 24.4	
G21K	Allakaket	59.11	25	P	P	09 48 23.4	+1.7
H21K	Melozitna Rive	59.17	26	I	I	09 48 24.9	
H21K	Melozitna Rive	59.17	26	P	P	09 48 23.9	+1.8
SUA	Susitna One	59.21	31	P	P	09 48 22.8	+0.3
SUA	Susitna One	59.21	31	I	I	09 48 30.4	
SUA	Susitna One	59.21	31	P	P	09 48 23.4	+0.8
F21K	Alatna River	59.31	24	P	P	09 48 24.6	+1.5
I21K	Tanana	59.39	26	P	P	09 48 25.5	+1.9
C21K	Knifeblade Rid	59.40	22	P	P	09 48 25.9	+1.9
E21K	Killik River	59.47	22	P	P	09 48 25.2	+1.1
AAK	Ala-Archa	59.52	307	P	P	09 48 26.2	+1.1
AAK	Ala-Archa	59.52	307	P	P	09 48 24.9	-0.2
AAK	Ala-Archa	59.52	307	P	P	09 48 26.0	+0.9
O22K	Cooper Landing	59.55	32	P	P	09 48 25.0	+0.3
M22K	Willow	59.55	31	P	P	09 48 25.1	+0.4
BPWA	Bear Paw Mtn.	59.58	28	P	P	09 48 26.2	+1.3
BPWA	Bear Paw Mtn.	59.58	28	I	I	09 48 27.1	
BPWA	Bear Paw Mtn.	59.58	28	P	P	09 48 26.1	+1.2
CUT	Chulitna	59.59	30	P	P	09 48 25.3	+0.4
B21K	Ikpikpuk River	59.60	21	I	I	09 48 27.7	
B21K	Ikpikpuk River	59.60	21	P	P	09 48 26.5	+1.5
RC01	Rabbit Creek A	59.63	31	I	I	09 48 26.5	
RC01	Rabbit Creek A	59.63	31	P	P	09 48 25.4	+0.1
SEW	Seward	59.63	32	P	P	09 48 25.9	+0.6
TRF	Thorofare Moun	59.76	29	P	P	09 48 27.2	+0.8
TRF	Thorofare Moun	59.76	29	P	P	09 48 26.9	+0.5
H22K	Ishitalina Cre	59.80	26	P	P	09 48 28.2	+1.8
F22K	John River	59.87	24	P	P	09 48 29.0	+2.1
MLY	Manley	59.87	27	P	P	09 48 28.4	+1.4
MLY	Manley	59.87	27	I	I	09 48 29.4	
MLY	Manley	59.87	27	P	P	09 48 28.4	+1.4
A22K	Sinclair Lake	59.93	20	P	P	09 48 29.1	+1.9
G22K	Bettles	59.98	24	P	P	09 48 29.0	+1.5
PMR	Palmer	59.99	31	P	P	09 48 28.1	+0.4
PMR	Palmer	59.99	31	P	P	09 48 28.2	+0.5
PMR	Palmer	59.99	31	I	I	09 48 28.5	
PMR	Palmer	59.99	31	P	P	09 48 28.0	+0.3
PMR	Palmer	59.99	31	P	P	09 48 28.2	+0.5
D22K	Aiyikay River	60.05	22	P	P	09 48 30.0	+1.9
GHO	Glyory Hole Cre	60.12	31	I	I	09 48 30.0	
E22K	Anaktuvuk Pass	60.16	23	I	I	09 48 31.6	
E22K	Anaktuvuk Pass	60.16	23	P	P	09 48 30.7	+1.8
B22K	Teshkepuk Lake	60.22	20	P	P	09 48 30.7	+1.6
BWN	Browne	60.25	28	I	I	09 48 32.3	
KNK	Knik Glacier	60.29	31	I	I	09 48 31.2	
KNK	Knik Glacier	60.29	31	P	P	09 48 30.3	+0

M26K	Nabesna, AK baz=267,SNR=6.2	62.95	30	P	P	09 48 49.0 +1.3
TGL	Tana Glacier	62.96	32	I	Amb	09 48 49.6
G26K	Porcupine comp=Z,19nm,1.0s	62.98	25	P	P	09 48 49.8 +2.1
ISLE	Juniper Island	63.20	32	P	P	09 48 49.6 +0.3
ISLE	comp=Z,9.6nm,0.7s					09 48 50.6
MESA	MESA baz=269	63.38	33	P	P	09 48 51.1 +0.5
K27K	Chicken baz=267	63.46	28	P	P	09 48 52.2 +1.4
M27K	Edge Creek, AK comp=Z,7.4nm,0.8s	63.47	30	I	Amb	09 48 53.2
M27K	Edge Creek, AK baz=268	63.47	30	P	P	09 48 52.2 +1.0
GRNC	Granite Creek comp=Z,12nm,0.7s	63.49	32	I	Amb	09 48 53.2
L27K	Beaver Creek, comp=Z,8.1nm,0.8s	63.52	29	I	Amb	09 48 53.4
L27K	Beaver Creek, baz=268,SNR=11	63.52	29	P	P	09 48 52.4 +1.0
BARN	Barnard Glacie	63.54	32	P	P	09 48 52.1 +0.4
BARN	comp=Z,6.3nm,0.6s					09 48 53.5
BCAR	Beaver Creek A	63.54	29	P	P	09 48 52.4 +0.9
CTCG	Chitna Glacier baz=269	63.59	32	P	P	09 48 53.6 +1.0
CTGM	Chitina Glacie comp=Z,5.7nm,0.6s	63.70	32	I	Amb	09 48 55.4
I27K	Kandik River baz=266	63.74	27	P	P	09 48 53.6 +0.8
G27K	Doyon Strip baz=266	63.81	25	P	P	09 48 54.4 +1.3
H27K	Steamboat Moun baz=266	63.82	26	P	P	09 48 54.8 +1.5
EGAK	Eagle	63.89	28	P	P	09 48 53.7 +0.1
EGAK	Eagle	63.89	28	P	P	09 48 54.2 +0.5
E27K	Coleen River comp=Z,11nm,0.9s	63.94	24	I	Amb	09 48 56.8
E27K	Coleen River baz=265,SNR=12	63.94	24	P	P	09 48 55.5 +1.5
BVCY	Beaver Creek baz=269,SNR=7.5	63.95	30	P	P	09 48 55.1 +1.0
SIMJ	Simiganj	64.09	303	P	P	09 48 56.2 +0.6
SIMJ	comp=Z,18nm,1.0s					09 48 57.3
YUK3	Moose River baz=269,SNR=9.7	64.13	31	P	P	09 48 56.5 +1.0
D27M	Malcolm River baz=265	64.25	23	P	P	09 48 57.6 +1.6
O28M	Mount Upton baz=270,SNR=8.0	64.25	32	P	P	09 48 57.5 +1.0
I28M	Miner Creek comp=Z,11nm,0.8s	64.44	27	I	Amb	09 48 59.4
I28M	Miner Creek baz=269	64.44	27	P	P	09 48 58.5 +1.1
YUK8	Steele Glacier baz=270,SNR=7.6	64.46	31	P	P	09 48 59.2 +1.4
YK2U	Yakutat	64.53	33	P	P	09 48 59.5 +1.6
F28M	Old Crow baz=267,SNR=27	64.55	24	P	P	09 48 59.7 +1.8
DAWY	Dawson	64.64	28	P	P	09 49 00.0 +1.3
DAWY	comp=Z,9.6nm,0.9s					09 48 59.9 +1.3
DAWY	Dawson baz=269,SNR=8.7	64.67	33	P	P	09 49 00.2 +1.4
PNL	Peninsula	64.67	33	P	P	09 49 00.1 +1.3
PNL	Peninsula baz=271	64.67	33	P	P	09 49 01.0 +2.0
E28M	Babbage River baz=267	64.72	23	P	P	09 49 00.9 +0.8
KBL	Kabul	64.77	299	P	P	09 49 01.0 +0.8
KBL	Kabul	64.77	299	P	P	09 49 01.0 +0.8
YUK4	Talbot baz=271,SNR=24	65.00	31	P	P	09 49 03.1 +1.9
D28M	Stokes Point baz=267	65.05	23	P	P	09 49 02.6 +1.6
O29M	Mount Kennedy comp=Z,11nm,0.8s	65.06	33	I	Amb	09 49 04.4
O29M	Mount Kennedy baz=272	65.06	33	P	P	09 49 03.2 +1.7
H29M	Whitestone baz=269	65.10	26	P	P	09 49 03.0 +1.5
YUK6	Outpost Mounta baz=273,SNR=7.5	65.15	32	P	P	09 49 03.7 +1.6
J29N	Klondike Camp comp=Z,24nm,1.2s	65.15	28	I	Amb	09 49 04.5
J29N	Klondike Camp baz=270,SNR=12	65.15	28	P	P	09 49 03.7 +1.8
L29M	L29M baz=271,SNR=18	65.21	29	P	P	09 49 04.2 +2.0
G29M	Pine Creek baz=269	65.25	25	P	P	09 49 04.5 +2.0
E29M	Blow River comp=Z,10nm,0.6s	65.32	24	I	Amb	09 49 07.1
E29M	Blow River baz=269,SNR=23	65.32	24	P	P	09 49 04.6 +1.8
K29M	Barlow Dome comp=Z,11nm,0.8s	65.47	29	I	Amb	09 49 06.6
K29M	Barlow Dome baz=271,SNR=21	65.47	29	P	P	09 49 05.7 +1.7
P29M	Windy Craggy baz=273,SNR=11	65.51	33	P	P	09 49 06.2 +1.9
HYT	Haines Junctio comp=Z,17nm,0.9s	65.57	32	I	Amb	09 49 07.5
HYT	Haines Junctio baz=272,SNR=7.6	65.57	32	P	P	09 49 06.5 +1.8
N30M	Aishikik Lake comp=Z,12nm,0.7s	65.74	31	I	Amb	09 49 08.0
N30M	Aishikik Lake baz=272	65.74	31	P	P	09 49 07.4 +1.7
EPYK	Eagle Plains baz=271,SNR=25	65.76	26	P	P	09 49 07.2 +1.4
P30M	Million Dollar baz=273	65.88	33	P	P	09 49 07.7 +1.1
I30M	Mount Dempster baz=271	65.93	27	P	P	09 49 08.1 +1.1
G30M	tAoh Zraii Nji baz=271	65.95	25	P	P	09 49 08.2 +1.2
J30M	Hart River comp=Z,12nm,1.0s	65.97	28	I	Amb	09 49 09.5
J30M	Hart River baz=272	65.97	28	P	P	09 49 08.6 +1.4
F30M	Barrier River baz=27	66.11	24	P	P	09 49 09.6 +1.6
MAYO	Mayo, Yukon baz=273,SNR=14	66.20	29	P	P	09 49 10.2 +1.7
PLBC	Pleasant Camp baz=274,SNR=8.1	66.22	33	P	P	09 49 10.3 +1.6
O30M	Mendenhall baz=274	66.27	32	P	P	09 49 10.4 +1.4
N31M	Braeburn, Yuko comp=Z,22nm,1.1s	66.37	31	I	Amb	09 49 12.4
N31M	Braeburn, Yuko baz=274,SNR=6.9	66.37	31	P	P	09 49 11.5 +1.8
S31K	Pelican baz=275	66.41	35	P	P	09 49 11.3 +1.4
R31K	City Hall, Gus baz=275	66.63	35	P	P	09 49 12.7 +1.4
G31M	Satah River baz=273,SNR=67	66.72	25	P	P	09 49 12.8 +1.0
SKAG	Skagway baz=275	66.75	33	P	P	09 49 13.7 +1.7
SKAG	Skagway baz=275	66.75	33	P	P	09 49 13.7 +1.7
H31M	Peel River baz=273,SNR=23	66.75	26	P	P	09 49 13.1 +1.1
WHY	Whitehorse	66.87	32	P	P	09 49 13.4 +0.5
WHY	comp=Z,10nm,0.7s					09 49 15.4
WHY	Whitehorse	66.87	32	P	P	09 49 14.5 +1.5
F31M	Tsigitichic comp=Z,15nm,0.8s	66.90	25	I	Amb	09 49 14.5
F31M	Tsigitichic baz=273,SNR=17	66.90	25	P	P	09 49 13.4 +0.5
INK	Inuvik	66.94	24	P	P	09 49 14.0 +0.9
INK	Inuvik baz=273,SNR=34	66.94	24	P	P	09 49 13.8 +0.7
INK	Inuvik	66.94	24	P	P	09 49 14.0 +0.9
INK	comp=Z,20nm,0.7s					

M31M	Drury Creek, Y comp=Z,12nm,0.9s	66.97	30	I	Amb	09 49 15.7
M31M	Drury Creek, Y baz=274,SNR=11	66.97	30	P	P	09 49 14.7 +1.2
R32K	East Crest baz=276	67.28	35	P	P	09 49 17.1 +1.6
JIS	Juneau Island	67.35	35	P	P	09 49 17.7 +1.8
FARO	Faro, Yukon baz=275,SNR=6.6	67.46	30	P	P	09 49 17.9 +1.4
P32M	Atlin baz=276	67.55	33	P	P	09 49 18.6 +1.4
N32M	Quiet Lake comp=Z,14nm,0.8s	67.69	31	I	Amb	09 49 20.3
N32M	Quiet Lake baz=276	67.69	31	P	P	09 49 19.6 +1.5
P33M	Teslin, Yukon baz=277,SNR=6.4	67.93	32	P	P	09 49 20.9 +1.3
U33K	Whale Pass baz=278	68.31	37	P	P	09 49 23.0 +1.2
Q32M	Nakina River baz=278	68.37	34	P	P	09 49 23.7 +1.2
CRAG	Craig baz=278	68.40	38	P	P	09 49 24.2 +1.7
URJZ	Urewera	68.41	152	P	P	09 49 21.3 -1.3
ARU	Arti	68.50	324	P	P	09 49 23.4 +0.3
ARU	Arti comp=Z,16nm,0.4s,baz=101,slow=4.5,SNR=26	68.50	324	P	P	09 49 23.1 0.0
ARU	Arti comp=Z,29nm,0.8s	68.50	324	P	P	09 49 23.2 +0.1
ARU	Arti	68.50	324	iP	pP	09 49 23.2 +0.1
ARU	Arti	68.50	324	S	SS	09 50 10.6 +1.2
ARU	Arti	68.50	324	S	SS	10 02 33.0 -3.1
ARU	Arti	68.50	324	pmax	pmax	
RTZ	Ruatuhuna baz=278	68.65	152	P	P	09 48 22.4 -1.8
WRAK	Wraik Islan baz=279	68.69	36	P	P	09 49 25.8 +1.6
ABKAR	Abkulk array	68.83	316	P	P	09 49 25.8 +0.5
ABKAR	Abkulk array comp=Z,11nm,0.6s	68.83	316	I	Amb	09 49 26.3
R33M	Jennings River baz=278	68.97	33	P	P	09 49 27.7 +1.6
S34M	Telegraph Cree comp=Z,15nm,0.7s	69.11	35	I	Amb	09 49 29.6
S34M	Telegraph Cree baz=279,SNR=7.2	69.11	35	P	P	09 49 28.6 +1.8
A36M	Sachs Harbour baz=279,SNR=20	69.38	19	P	P	09 49 29.1 +0.9
DLBC	Dease Lake	69.60	34	P	P	09 49 31.0 +1.1
DLBC	Dease Lake comp=Z,17nm,0.9s	69.60	34	I	Amb	09 49 32.8
DLBC	Dease Lake baz=280,SNR=6.5	69.60	34	P	P	09 49 31.7 +1.8
T35M	Bob Quinn baz=280	69.74	36	P	P	09 49 32.4 +1.7
AKTO	Aktuyubinsk comp=Z,3.8nm,0.5s,baz=74,slow=6.9,SNR=8.8	69.84	317	P	P	09 49 30.8 -0.7
WTLY	Watson Lake, Y comp=Z,3.8nm,0.5s	69.93	32	I	Amb	09 49 35.1
WTLY	Watson Lake, Y comp=Z,19nm,1.1s	69.93	32	P	P	09 49 33.4 +1.5
WTLY	Watson Lake, Y baz=280,SNR=15	69.93	32	P	P	09 49 33.7 +1.8
TGTM	Hyland Airport baz=280,SNR=23	69.94	31	P	P	09 49 33.8 +0.4
C36M	Paulatuk baz=281,SNR=31	70.22	22	P	P	09 49 33.7 +0.4
WRGLY	Wrigley baz=282,SNR=15	71.78	28	P	P	09 49 44.3 +1.4
TOAD	Toad River Com baz=283,SNR=11	71.97	33	P	P	09 49 45.4 +1.2
KOTAN	Kotanelee Air baz=283	72.25	32	P	P	09 49 46.9 +1.1
FLDN	Fort Liard comp=Z,13nm,0.8s	72.50	31	I	Amb	09 49 49.8
FLDN	Fort Liard baz=282	72.50	31	P	P	09 49 48.8 +1.6
GEYT	Alibek comp=Z,5.9nm,0.8s,baz=77,slow=6.4,SNR=8.9	72.62	304	P	P	09 49 50.3 +1.9
GEYT	Alibek comp=Z,5.9nm,0.8s	72.62	304	P	P	09 48 48.5 +0.1
GEYT	Alibek comp=Z,8.0nm,0.9s	72.62	304	pmax	pmax	09 49 50.3 +1.9
KIRV	Kirov baz=282	72.90	327	eP	P	09 49 49.8 +0.3
SPITS	Spitsbergen Ar comp=Z,8.9nm,0.5s,baz=113,slow=5.6,SNR=20	73.03	350	P	P	09 50 01.7 +0.1
YKA	Yellowknife Ar comp=Z,2.8nm,0.5s	75.87	28	P	P	09 50 07.2 +0.6
RES	Resolute Bay comp=Z,1.6nm,0.7s,baz=294,slow=6.0,SNR=318	76.37	13	I	Amb	09 50 10.8
LON	Longmire comp=Z,10nm,0.9s	77.42	45	I	Amb	09 50 17.8
LTY	Libby comp=Z,22nm,1.4s	77.98	44	I	Amb	09 50 20.2
I04A	Tendick Farm comp=Z,17nm,0.8s	78.00	48	I	Amb	09 50 21.1
ARCES	ARCES Array B comp=Z,2.9nm,0.5s,baz=69,slow=6.4,SNR=28	78.11	341	P	P	09 50 19.3 +0.3
ARCES	ARCES Array B comp=Z,2.9nm,0.5s	78.11	341	eP	P	09 50 17.7 -1.3
B08A	Colville Reser comp=Z,9.4nm,0.7s	78.44	42	P	P	09 50 21.7 +0.4
B08A	Colville Reser baz=284	78.44	42	I	Amb	09 50 23.2
MXC	McKenzie City comp=Z,3.0nm,1.4s	78.46	44	I	Amb	09 50 23.7
YBH	Yreka Blue Hor comp=Z,12nm,0.8s	78.48	50	I	Amb	09 50 24.3
E07A	Sunnyside comp=Z,11nm,1.3s	78.75	44	I	Amb	09 50 25.3
J05D	Fort Rock, OR	78.98	48	P	P	09 50 25.9 +1.4
D08A	Wollman Farm comp=Z,14nm,0.9s	79.17	44	I	Amb	09 50 27.4
NEW	Newport comp=Z,16nm,0.8s	79.85	42	I	Amb	09 50 30.9
NEW	Newport baz=292,SNR=13	79.85	42	P	P	09 50 30.0 +1.0
E09A	Wood Farm, Sta comp=Z,16nm,0.9s	79.86	44	I	Amb	09 50 31.2
NEEM	North Greenlan comp=Z,9.4nm,0.8s	79.94	3	iP	P	09 50 28.9 -0.3
NEEM	North Greenlan	79.94	3	I	Amb	09 50 30.4
EDM	Edmonton comp=Z,3.0nm,1.1s	80.10	36	P	P	09 50 31.1 +0.9
EDM	Edmonton	80.10	36	P	P	09 50 31.1 +0.9
ORV	Oroville comp=Z,30nm,1.1s	80.10	51	I	Amb	09 50 32.1
DAG	Danmarks Hav comp=Z,6.2nm,0.9s	80.34	356	iP	P	09 50 30.0 -0.9
DAG	Danmarks Hav	80.34	356	I	Amb	09 50 31.4
VSR	Storozhevo comp=Z,10.0nm,0.4s	80.9				

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like N23A Red Feather La, N23A Mesa Verde, MDND Maddock, etc.

IDC 12 09:59:08.6,3.5, 64.59N,31.45E, h0km, mbmp3.0/3, ML1.6/3, Error ellipse: s-maj=54.1km s-min=12.1km az=109.0

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

IDC 12 10:00:25.1,5.9, 48.33N,33.85E, h0km, mb3.4/1, mbtmp3.5/1, Error ellipse: s-maj=66.6km s-min=34.1km az=10.0, Ukraine-Moldova-Southwestern Russia region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AKASG Malin Array Be, I43RU DUBNA INFRASON, etc.

IDC 12 10:25:32.6,2.6, 10.39N,124.10E, h0km, mb3.8/4, mbtmp3.8/4, Error ellipse: s-maj=244.1km s-min=25.6km az=63.0, Leyte

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AKASG Malin Array Be, I43RU DUBNA INFRASON, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, etc.

IDC 12 10:41:47.0,0.6, 40.19N,77.29E, h0km, mb4.5/26, mbtmp4.5/32, ML4.0/6, MS4.1/67, Error ellipse: s-maj=12.0km s-min=10.4km az=26.0

MOS 12 10:41:48.4,1.1, 40.19N,77.39E, h10km, mb5.1/39, MS4.3/12, Error ellipse: s-maj=5.1km s-min=3.4km az=110.4

BUL 12 10:41:49.7,0.0, 40.44N,77.20E, h6km, mb4.5/43, mb4.9/29, ML4.9/9, MS4.5/43, MS7.4/341

KRNET 12 10:41:50.5,0.1, 40.36N,77.25E, h20km, mb5.2, NEIC 12 10:41:50.3,2.5, 40.33N,0.06,77.37E,0.08, h10km, 1km, mb5.0/201, Error ellipse: s-maj=10.9km s-min=9.1km az=113.0

SOME 12 10:41:50.7, 40.47N,77.05E, h10km, MS4.6, NNC 12 10:41:52.3,0.7, 40.49N,77.14E, h0km, mb5.6, mpv5.4, Error ellipse: s-maj=5.1km s-min=4.0km az=163.0

GCMT 12 10:41:53.3,0.3, 40.41N,0.02,77.22E,0.03, h22km, 1km, MW4.8/81, Moment Tensor Solution. s27,c28; s81,c107; Duration: 0 Moment tensor: Scale 10^16Nm; Mr1.77, 14; Mw-1.92, 09; Mw0.14, 08; Mo 1.24, 13; Mw-0.66, 06; Mw-0.62, 14; Best double couple: Mo2.40400x10^16

NP1, phi=97.00000, delta=863.00000, lambda=115.00000; NP2: phi=231.00000, delta=836.00000, lambda=150.00000; Principal axes: T 2, 4270, P1663.00000, Az=48.00000, N=-0.0470, P1622.00000, Az=265.00000, P=-2.3820, P1615.00000, Az=169.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

BGR 12 10:41:54.1, 40.48N,77.00E, h19km, mb4.9, MS4.2, ISC 12 10:41:49.9,0.5, 40.30N,0.02,77.16E,0.02, h10km, 2km, h10km: p-P, N, 969, az=221/947, mb4.9/218, MS4.2/90, 78C-51D, Kyrgyzstan-Xinjiang border region

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

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

SHLS	comp=Z,1.0m,0.8s	eS	Sg	10 43 38.9 +1.9
SHLS	comp=Z,4.0m,0.7s	3.33 30 Pg	Pg	10 42 53.9 +0.1
SHLS	Shalkode		Lg	10 43 38.9
SHLS	comp=Z,1.0m,0.8s		Pg	10 42 53.5 -0.3
SHLS	Shalkode	3.33 30 ePN	Pb	10 42 46.4 -3.0
OHH	Osh	3.34 275 l/P	Pb	10 43 26.9 -3.2
OHH	baz=74	l/eS		10 42 46.7 -2.7
OHH	Osh	3.34 275 ePN	Sb	10 42 47.4 -2.8
OHH	Osh		Pb	10 42 51.0 +0.3
KTBS	Karotobe	3.43 354 eP	Pb	10 43 34.3 +1.8
KTBS	comp=Z,5.0m,0.8s		Sb	10 42 51.0 +0.3
KTBS	comp=Z,5.0m,0.8s		Lg	10 43 34.3
KTBS	comp=Z,6.0m,0.7s		Pg	10 42 48.2 -3.2
KTBS	Karotobe	3.43 354 eP	Pb	10 42 47.9 -3.5
EKS2	Erkin-Say	3.46 314 P	Pb	10 43 28.7 +3.5
EKS2	SNR=53		Sn	10 42 47.9 -3.5
EKS2	Erkin-Say	3.46 314 eP	Pb	10 42 47.9 -3.5
EKS2	baz=13	l/eS		10 42 47.9 -3.5
EKS2	Erkin-Say	3.46 314 ePN	Sb	10 42 47.9 -3.5
EKS2	Erkin-Say		Sb	10 43 29.1 -4.5
PDGK	Podgornoye	3.49 29 Pg	Pb	10 42 53.1 +1.2
PDGK	comp=Z,3.52nm,0.5s		Lg	10 43 37.6
PDGK	Podgornoye	3.49 29 l/P	Pb	10 42 52.4 +0.4
PDGK	comp=Z,3.0m,0.5s		Lg	10 43 36.1
PDGK	Podgornoye	3.49 29 PN	Pb	10 42 52.3 +0.4
PDGK	Podgornoye	3.55 358 ePg	Pb	10 42 53.7 +0.8
CHKK	Chushkaly	3.55 358 ePg	Pb	10 43 40.3
CHKK	baz=356	e/Lg		10 43 40.3
CHKK	Chushkaly	3.55 358 eP	Pb	10 42 53.7 +0.8
CHKK	comp=Z,3.0m,0.8s		Sb	10 43 39.1 +3.0
CHKK	Chushkaly	3.55 358 Pg	Pb	10 42 53.7 +0.8
CHKK	comp=Z,3.0m,0.8s		Lg	10 43 39.1
CHKK	Chushkaly	3.55 358 ePN	Pb	10 42 53.7 +0.8
CHKK	Chushkaly	3.57 342 eP	Pb	10 42 53.9 +0.8
KRB5	Karabastau	3.57 342 eP	Sb	10 43 39.2 +2.7
KRB5	comp=Z,4.0m,0.7s		Sb	10 42 53.9 +0.8
KRB5	Karabastau	3.57 342 Pg	Pb	10 43 39.2
KRB5	comp=Z,2.0m,0.7s		Lg	10 43 39.2
USP	Ospenovka	3.57 327 P	Pn	10 42 48.4 +3.0
USP	SNR=75		Pn	10 42 48.4 +3.0
USP	Ospenovka	3.57 327 l/P	Pn	10 42 48.4 +3.2
USP	baz=26	l/eS		10 43 30.4 +2.8
USP	Ospenovka	3.57 327 ePN	Sn	10 42 48.6 +3.2
USP	Ospenovka		Sg	10 43 30.4 +2.8
USP	Ospenovka		Sn	10 42 58.0 -2.3
SGDS	Sogindy	3.67 330 ePg	Pb	10 42 55.3 +0.4
SGDS	baz=326		Lg	10 43 41.5
SGDS	Sogindy	3.67 330 Pg	Pb	10 42 55.3 +0.4
SGDS	comp=Z,1.0m,0.7s		Lg	10 43 41.5
SGDS	Sogindy	3.67 330 ePN	Pb	10 42 57.9 -2.3
MRKS	Merke	3.83 311 eP	Pb	10 42 57.9 +0.2
MRKS	comp=Z,820nm,0.8s		Sb	10 43 46.1 +2.0
MRKS	Merke	3.83 311 Pg	Pb	10 42 57.9 +0.2
MRKS	comp=Z,3.0m,0.5s		Lg	10 43 46.1
MRKS	Merke	3.83 311 Pg	Pb	10 43 46.1
MRKS	comp=Z,820nm,0.8s		Lg	10 43 46.1
ARXS	Arharly	3.94 7 eP	Pb	10 43 00.3 +0.8
ARXS	comp=Z,918nm,0.7s		Sb	10 43 50.6 +3.4
ARXS	Arharly	3.94 7 eP	Lg	10 43 50.6
ARXS	comp=Z,4.0m,0.6s		Pb	10 42 59.6 +0.1
ARXS	Arharly	3.94 7 ePN	Pb	10 43 02.2 -3.2
ARXS	Ketmen	3.94 36 eP	Pg	10 43 53.4 -3.2
KTMS	comp=Z,200nm,0.9s		Sg	10 43 02.2 -3.2
KTMS	Ketmen	3.94 36 Pg	Pg	10 43 53.4 -3.2
KTMS	comp=Z,200nm,0.9s		Lg	10 43 53.4
KTMS	Ketmen	3.94 36 Pg	Pg	10 42 56.4 +3.3
MNAS	Manas	4.12 303 eP	Pn	10 43 44.9 +3.4
MNAS	baz=2.0	l/eS		10 42 57.3 +4.2
MNAS	Manas	4.12 303 ePN	S	10 43 45.6 +4.1
MNAS	Manas		Sn	10 42 58.8 +4.5
DRK	Karamyk	4.20 260 eP	Pn	10 42 58.4 +4.1
DRK	Karamyk	4.20 260 l/P	Pn	10 43 48.2 +4.6
DRK	baz=60	l/eS		10 42 58.4 +4.1
DRK	Karamyk	4.20 260 ePN	Pn	10 42 47.5 +3.9
DRK	Karamyk	4.20 260 eP	Pn	10 42 57.8 +3.6
ARK	Arkit	4.20 293 l/P	Pn	10 43 47.1 +3.7
ARK	baz=92	l/eS		10 43 47.7 +4.3
ARK	Arkit	4.20 293 eP	Sn	10 44 03.6
ARK	Arkit	4.32 20 S	Lg	10 43 10.6 +1.9
KNOS	Konyrilen	4.48 25 eP	Pb	10 44 07.1 +4.4
DJR	Jarkent	4.48 25 eP	Sb	10 44 07.1 +4.4
DJR	comp=Z,403nm,0.8s		Sb	10 44 07.1 +4.4
DJR	Jarkent	4.48 25 Lg	Pb	10 43 17.1 +3.2
DJR	comp=Z,1.0m,0.5s		Pb	10 43 15.6 +1.7
TDK	Taldyqorghan	4.79 11 eP	Pb	10 44 16.9 -6.7
TDK	baz=9.4		Lg	10 44 16.9
TDK	Taldyqorghan	4.79 11 eP	Pb	10 44 16.9
TDK	comp=Z,3.0m,0.8s		Sg	10 43 08.9 +5.7
TDK	Taldyqorghan	4.79 11 Lg	Lg	10 43 07.5 +4.3
TDK	comp=Z,5.0m,0.6s		Pn	10 43 07.5 +4.3
BTK	Batken	4.86 269 Pn	Pn	10 44 03.6 +4.0
BTK	Batken	4.86 269 l/P	Pn	10 43 07.5 +4.3
BTK	Batken		Sn	10 43 07.5 +4.3
BTK	baz=69	l/eS		10 43 07.5 +4.3
BTK	Batken	4.86 269 ePN	Pn	10 44 03.6 +4.0
BTK	Batken		S	10 44 03.2 +3.6
DZA	Taraz	5.08 303 ePg	Pb	10 43 24.8 -2.4
DZA	comp=Z,741nm,1.1s		Pb	10 43 21.5 +2.6
DZA	Taraz	5.08 303 eP	Pb	10 44 26.7 -6.2
DZA	comp=Z,1.0m,1.0s		Sg	10 44 26.7 -6.2
KAPS	Kapalajaran	5.24 17 eP	Pb	10 43 25.1 +3.5
KAPS	comp=Z,242nm,1.1s		Sg	10 44 32.9 -5.2
KAPS	Kapalajaran	5.24 17 Lg	Lg	10 44 32.9
KAPS	comp=Z,1.0m,1.1s		Pg	10 43 27.1 -3.6
BTLS	Baital	5.26 335 ePg	Pg	10 43 24.6 +2.6
BTLS	baz=334		Pb	10 44 32.2 -6.7
BTLS	Baital	5.26 335 eP	Pb	10 44 32.2 -6.7
BTLS	comp=Z,288nm,0.7s		Sg	10 44 32.2 -6.7
BTLS	Baital	5.26 335 Lg	Lg	10 43 14.2 +3.0
GAR	Garm	5.44 258 eP	Pn	10 43 15.3 +4.2
GAR	Garm	5.44 258 l/P	Pn	10 44 17.5 +3.7
GAR	baz=58	l/eS		10 43 14.3 +3.2
GAR	Garm	5.44 258 ePN	S	10 44 16.4 +2.6
GAR	Garm		S	10 44 16.4 +2.6

KK31	Karatay Array	5.71 302 Pn	Pn	10 43 18.0 +3.3
KK31	Karatay Array	5.71 302 l/P	Pn	10 43 17.3 +2.5
KK31	comp=Z,18nm,0.7s,baz=116,slow=12,SNR=159		Pg	10 43 34.9 -4.3
KK31	comp=Z,287nm,0.8s,baz=129,slow=14,SNR=51		Lg	10 44 48.7
KK31	comp=Z,2.0m,1.1s		Pn	10 44 18.0 +3.3
KK31	Karatay Array	5.71 302 PN	Pn	10 43 17.9 +3.2
KKAR	Karatay Array	5.71 302 eP	Pn	10 43 18.1 +3.4
KKAR	Karatay Array	5.71 302 l/P	Pn	10 44 22.5 +2.2
KKAR	baz=1.0	l/eS		10 43 17.9 +3.2
CHM	Karatay Array	5.71 302 PN	Pn	10 43 40.3 -5.2
CHM	Chimkent	6.04 292 eP	Pg	10 44 59.0 -4.6
CHM	comp=Z,523nm,0.6s		Sg	10 43 47.7 -3.5
CHM	comp=Z,2.0m,1.1s		Pg	10 43 47.7 -3.5
BRLS	Boruldaj	6.12 299 ePg	Pg	10 43 26.7 +2.3
BRLS	baz=295		Pn	10 43 26.7 +2.3
CHGR	Chuyangaron	6.40 258 Pn	Pn	10 43 26.7 +2.3
CHGR	Chuyangaron	6.40 258 PN	Pn	10 43 28.1 +2.1
SIMJ	Simigany	6.51 258 Pn	Pn	10 43 41.5 +4.4
NIL	Nilore	7.34 206 Pn	Pn	10 43 41.5 +4.4
NIL	Nilore	7.34 206 Pn	Pn	10 43 39.1 +1.3
NIL	Nilore	7.34 206 Pn	Pn	10 43 38.7 +0.9
MAKZ	Makanchi	7.38 27 Pn	Pn	10 45 35.0
MAKZ	Makanchi	7.38 27 l/P	Pn	10 43 38.6 +0.9
MAKZ	comp=Z,2.0nm,0.3s		Pn	10 43 40.4 +1.3
MAKZ	comp=Z,331nm,1.2s		Lg	10 45 40.1
MAKZ	Makanchi	7.38 27 Pn	Pn	10 43 39.8 +0.7
MK31	Makanchi Array	7.48 28 eP	Pn	10 43 40.4 +1.3
MK31	Makanchi Array	7.48 28 Pn	Pn	10 45 40.1
MK31	comp=Z,17nm,0.5s,baz=204,slow=11,SNR=154		Lg	10 43 39.8 +0.7
MK31	comp=Z,338nm,1.0s,baz=201,slow=25,SNR=4.9		Lg	10 43 40.4 +1.3
MKAR	Makanchi Array	7.48 28 Pn	Pn	10 45 40.1
MKAR	Makanchi Array	7.48 28 Pn	Pn	10 45 40.1
MKAR	comp=Z,4.7nm,0.3s,baz=205,slow=13,SNR=120		Sn	10 45 40.4 -0.1
MKAR	comp=Z,7.4nm,0.3s,baz=207,slow=24,SNR=4.7		Lg	10 45 43.9
MKAR	comp=Z,12nm,0.3s,baz=224,slow=29,SNR=4.4		Lg	10 47 04.8
MKAR	comp=Z,2.0m,20.3s,baz=217,slow=42		LR	10 43 47.1 +3.9
MKAR	comp=Z,9.1nm,0.4s		Pn	10 43 48.6 +3.3
JMU	Jamangul	7.78 194 eP	Pn	10 45 26.6
THN	Thein Dam	8.04 189 eP	x	10 43 50.3 +3.0
THN	Thein Dam		x	10 45 19.3
DHRM	DHARAMSHALA	8.06 185 i/P	x	10 45 27.6
DHRM	DHRM		x	10 45 27.6
DHRM	DHRM		x	10 45 27.6
DHRM	comp=E,1.0m,0.6s		IAML	10 45 27.8
DHRM	comp=E,879nm,1.2s		IAML	10 45 55.8 +1.4
WMQ	Urumqi	8.59 62 P	Pn	10 45 28.4 -2.9
WMQ	Urumqi		S	10 45 28.4 -2.9
WMQ	Urumqi		Smax	10 45 28.4 -2.9
WMQ	comp=E,190nm,1.1s		Smax	10 45 28.4 -2.9
WMQ	Urumqi		Smax	10 45 28.4 -2.9
KBL	Kabil	8.64 231 Pn	Pn	10 43 58.8 +3.6
KBL	Kabil	8.64 231 Pn	Pn	10 43 59.1 +3.9
KBL	SNR=20		Pn	10 43 58.8 +3.6
KBL	Kabil	8.64 231 P	Pn	10 43 56.7 +1.5
OTUK	Ortayay	8.66 338 l/P	Pg	10 46 17.8
OTUK	comp=E,67nm,0.9s		Lg	10 46 17.8
OTUK	Ortayay	8.66 338 P	Pn	10 43 56.7 +1.5
OTUK	Ortayay	8.66 338 P	Pn	10 44 01.2 +2.8
BHK	Bhakra	8.89 184 eP	x	10 45 20.9
BHK	Bhakra		x	10 46 00.1
BHK	Bhakra		x	10 46 00.1
BHK	comp=E,232nm,0.5s		IAML	10 46 00.1
SMLA	Simlia	9.15 180 eP	Pn	10 44 04.2 +2.2
SMLA	Simlia		x	10 45 47.1
SMLA	Simlia		IAML	10 46 02.1
SMLA	comp=E,278nm,0.7s		IAML	10 46 02.1
DDI	Dehra Dun	9.98 176 eP	Pn	10 44 15.0 +1.5
DDI	Dehra Dun		x	10 46 00.8
DDI	Dehra Dun		x	10 46 12.8
DDI	comp=E,538nm,0.7s		IAML	10 46 14.6
DDI	comp=N,415nm,0.9s		Pn	10 44 18.5 0.0
KURBB	Kurchatov Arra	10.37 5 Pn	Pn	10 46 11.9 -2.9
KURBB	comp=N,0.4nm,0.3s,baz=194,slow=12,SNR=77		Sn	10 46 11.9 -2.9
KURBB	Kurchatov Arra	10.37 5 Pn	Pn	10 47 13.0
KURBB	comp=N,1.8nm,0.3s,baz=359,slow=14,SNR=1.8		LR	10 48 32.0
KURBB	comp=N,1.8nm,0.3s,baz=278,slow=16,SNR=1.9		LR	10 48 32.0
KURBB	comp=N,2.0m,19.8s,baz=185,slow=39		LR	10 44 18.5 0.0
KURBB	comp=N,28nm,0.8s		Lg	10 47 11.7
KURBB	Kurchatov Arra	10.37 5 l/P	Pn	10 44 20.4 +0.5
KURBB	comp=N,41nm,0.8s		Pn	10 44 20.9 +1.0
KURK	Kurchatov	10.47 5 Pn	Pn	10 44 20.1 +0.2
KURK	Kurchatov	10.47 5 Pn	Pn	10 47 15.3
KURK	comp=N,45nm,0.8s		Lg	10 47 15.3
KURK	Kurchatov	10.47 5 eP	Pn	10 44 21.0 +1.0
KURK	Kurchatov		Pmax	10 44 28.2 +0.5
PTH	Pithoragarh	11.02 166 eP	Pn	10 44 29.0 +0.1
LGTI	Lohaghat	11.12 166 eP	Pn	10 46 29.9 -3.4
LGTI	Lohaghat		Sn	10 44 35.0 -0.4
NDI	New Delhi	11.59 180 eP	Sn	10 44 38.7 -6.2
NDI	New Delhi		Sn	10 44 42.0 +0.7
SONA	Sohna	12.02 180 eP	Sn	10 46 48.2
SONA	Sohna		S	10 44 42.6 -0.3
KUDL	Kundal	12.14 183 eP	Pn	10 46 52.6 -5.7
KUDL	Kundal		S	10 44 57.6 -0.6
HRA	Herat	13.25 248 Pn	Pn	10 45 01.4 -0.6
BVA0	Borovoye Array	13.54 342 l/P	Pn	10 48 50.6
BVA0	comp=Z,65nm,1.4s,baz=154,slow=14,SNR=159		Lg	10 45 01.3 -0.6
BVA0	comp=Z,2.0m,1.9s		Lg	10 45 01.3 -0.6
BVA0	Borovoye Array	13.54 342 P	Pn	10 45 01.5 -0.4
BVA0	comp=Z,0.3nm,0.3s,baz=154,slow=13,SNR=88			

12d 10h

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like CD2 Chengdu, GROG Groznyy, BELG Belogoroye, etc.

2018 APR

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like CMAR Chiang Mai Arr, DOK Doka, ANN Anapa, etc.

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Table with columns for station code, name, frequency, power, and other technical details. Includes stations like LUBAR Lubar, Ukraine, MI28 Mi28, TPGR Topolog, etc.



SPIA	Saint Paul Isl	67.65	33	P	P	10 52 44.3	-2.4
F25K	Christian River	67.67	16	P	P	10 52 44.6	-2.2
H22K	Ishlailua Cre	67.70	19	P	P	10 52 44.0	-2.9
L14K	Kuka Creek	67.71	27	P	P	10 52 44.3	-2.7
I20K	Naaghdeneel	67.73	21	P	P	10 52 44.2	-2.9
L15K	Ungalak Mounta	67.88	26	P	P	10 52 45.8	-2.3
F26K	Sheenjek River	67.90	16	P	P	10 52 46.3	-1.9
E27K	Coleen River	68.00	15	Iamb	Iamb	10 52 50.3	
E27K	Coleen River	68.00	15	P	P	10 52 46.8	-2.0
G24K	Hadweznic Riv	68.00	18	Iamb	Iamb	10 52 50.3	
G24K	Hadweznic Riv	68.00	18	P	P	10 52 47.2	-1.7
J19K	Pooman	68.02	22	P	P	10 52 46.5	-2.5
E28M	Babbage River	68.02	14	Iamb	Iamb	10 52 50.6	
E28M	Babbage River	68.02	14	P	P	10 52 46.4	-2.5
BMAR	Burnt Mountain	68.04	16	P	P	10 52 49.5	+0.4
J18K	Innoko River	68.09	23	Iamb	Iamb	10 52 51.0	
J18K	Innoko River	68.09	23	P	P	10 52 47.6	-1.8
I21K	Tanana	68.11	20	P	P	10 52 47.1	-2.3
M13K	Dall Lake	68.13	28	P	P	10 52 47.4	-2.3
K17K	Iditarod	68.16	24	P	P	10 52 47.3	-2.6
H23K	Yukon River	68.22	19	Iamb	Iamb	10 53 02.2	
H23K	Yukon River	68.22	19	P	P	10 52 47.6	-2.6
G25K	Bearman Lake	68.26	17	P	P	10 52 48.2	-2.2
J20K	Nowinta River	68.30	22	P	P	10 52 48.2	-2.5
M14K	Bethel	68.38	27	P	P	10 52 49.3	-1.9
E29M	Blow River	68.50	13	Iamb	Iamb	10 52 53.7	
E29M	Blow River	68.50	13	P	P	10 52 50.3	-1.6
L16K	Owhat River	68.53	25	P	P	10 52 52.0	-0.2
L16K	Owhat River	68.53	25	P	P	10 52 49.5	-2.6
MLY	Manley	68.55	20	P	P	10 52 50.4	-2.0
G26K	Porcupine Rive	68.61	16	P	P	10 52 50.8	-1.8
H24K	Noodor Dome	68.61	18	Iamb	Iamb	10 53 07.1	
H24K	Noodor Dome	68.61	18	P	P	10 52 50.8	-1.9
TTA	Tatalina	68.71	23	P	P	10 52 51.6	-1.8
H25L	Birch Creek	68.74	17	P	P	10 52 51.7	-1.7
I23K	Minto, Yukon-K	68.81	19	P	P	10 52 52.1	-1.7
F28M	Old Crow	68.82	14	P	P	10 52 51.5	-2.4
M15K	Kasiguk River	68.86	27	P	P	10 52 52.3	-1.9
K20K	Telida	68.95	22	Iamb	Iamb	10 52 56.4	
K20K	Telida	68.95	22	P	P	10 52 52.6	-2.2
CHUM	Lake Minchumin	69.04	21	P	P	10 52 53.5	-1.8
L18K	Granite Mounta	69.04	24	Iamb	Iamb	10 52 56.6	
L18K	Granite Mounta	69.04	24	P	P	10 52 53.5	-1.8
N14K	Kuskokwak Cree	69.07	27	P	P	10 52 53.4	-2.1
G27K	Doyon Strip	69.17	15	P	P	10 52 53.9	-2.2
M16K	Timber Creek	69.20	26	P	P	10 52 54.0	-2.4
BPAW	Bear Paw Mtn.	69.23	20	P	P	10 52 55.5	-1.0
BPAW	Bear Paw Mtn.	69.23	20	Iamb	Iamb	10 52 57.3	
BPAW	Bear Paw Mtn.	69.23	20	P	P	10 52 54.5	-2.1
INK	Inuvik	69.30	12	Iamb	Iamb	10 52 58.7	
INK	Inuvik	69.30	12	P	P	10 52 55.2	-1.6
POKR	Poker Plat Res	69.31	19	P	P	10 52 56.4	-0.6
POKR	Poker Plat Res	69.31	19	Iamb	Iamb	10 53 03.1	
POKR	Poker Plat Res	69.31	19	P	P	10 52 55.1	-1.9
NEA2	Nenana	69.33	19	Iamb	Iamb	10 52 57.9	
NEA2	Nenana	69.33	19	P	P	10 52 55.5	-1.7
COLA	College	69.41	19	P	P	10 52 56.6	-0.9
COLA	College	69.41	19	Iamb	Iamb	10 52 58.5	
COLA	College	69.41	19	P	P	10 52 55.8	-1.7
COLA	College	69.41	19	Pmax	Pmax	10 52 56.6	-0.9
M17K	Holitna River	69.42	25	P	P	10 52 54.8	-2.9
PRP	Porcupine Dome	69.43	18	P	P	10 52 55.4	-2.5
N15K	Kwethluk River	69.44	27	P	P	10 52 55.6	-2.3
CAST	Castle Rocks	69.47	21	P	P	10 52 55.6	-2.4
C36M	Paulatuk	69.55	8	Iamb	Iamb	10 52 58.9	
C36M	Paulatuk	69.55	8	P	P	10 52 56.5	-1.8
F30M	Barrier River	69.56	13	P	P	10 52 56.9	-1.6
L19K	White Mountain	69.63	23	Iamb	Iamb	10 53 01.4	
L19K	White Mountain	69.63	23	P	P	10 52 57.6	-1.4
N16K	Nishlik Lake	69.67	26	P	P	10 52 57.7	-1.6
L20K	Farewell, AK	69.69	23	P	P	10 52 57.4	-2.0
H27K	Steamboat Moun	69.70	16	P	P	10 52 57.7	-1.7
O14K	Tiguyakuiv M	69.70	28	P	P	10 52 57.5	-1.9
IL31	Il31	69.73	19	P	P	10 52 55.8	-1.1
ILAR	Eielson Array	69.73	19	P	P	10 52 57.6	-2.0
ILAR	Eielson Array	69.73	19	P	P	10 52 58.4	-1.2
ILAR	Eielson Array	69.73	19	LR	LR	11 27 48.0	
G29M	Pine Creek	69.79	14	P	P	10 52 58.4	-1.5
PPLA	Purkeypile	69.85	22	P	P	10 52 59.1	-1.4
M18K	Stony River	69.86	24	P	P	10 52 58.5	-1.9
TRF	Thorofore Moun	69.93	21	P	P	10 52 59.4	-1.7
M19K	Big River Lodg	69.98	23	P	P	10 52 59.5	-1.7
HDA	Harding Lake	70.01	19	P	P	10 52 59.7	-1.7
G30M	Aash Zraii Nji	70.05	13	P	P	10 52 59.4	-2.2
F31M	Tsigiehtchik	70.05	12	Iamb	Iamb	10 53 02.5	
F31M	Tsigiehtchik	70.05	12	P	P	10 52 59.5	-2.0

MCK	McKinley	70.06	20	P	P	10 52 59.6	-2.0
N17K	Nushagak Hills	70.15	25	P	P	10 53 00.2	-2.1
I27K	Kandik River	70.22	16	P	P	10 53 01.4	-1.3
J25K	Salcha River,	70.22	18	P	P	10 53 00.5	-2.2
O15K	Ungalikthiuk R	70.26	27	P	P	10 53 00.9	-2.1
H29M	Whitestone	70.33	14	Iamb	Iamb	10 53 04.7	
H29M	Whitestone	70.33	14	P	P	10 53 01.2	-2.1
M20K	Styx River	70.37	23	P	P	10 53 01.3	-2.4
G31M	Satah River	70.44	13	Iamb	Iamb	10 53 05.2	
G31M	Satah River	70.44	13	P	P	10 53 02.3	-1.5
N18K	Kilae Creek	70.45	25	P	P	10 53 02.2	-2.0
EPYK	Eagle Plains	70.51	14	Iamb	Iamb	10 53 05.0	
EPYK	Eagle Plains	70.51	14	P	P	10 53 01.9	-2.5
O16K	Kokwok River B	70.55	26	P	P	10 53 02.6	-2.0
TOAO	Torodi Ar. Sit	70.57	271	P	P	10 53 05.4	-0.1
TOAO	Torodi Ar. Sit	70.57	271	Iamb	Iamb	10 53 10.8	
TORD	Torodi Ar. Bea	70.57	271	P	P	10 53 04.5	-1.0
TORD	Torodi Ar. Bea	70.57	271	Iamb	Iamb	10 53 24.6	
TORD	Torodi Ar. Bea	70.57	271	P	P	10 53 04.9	-0.6
I28M	Miner Creek	70.70	15	Iamb	Iamb	10 53 06.9	
I28M	Miner Creek	70.70	15	P	P	10 53 04.0	-1.6
J26L	Joseph Creek	70.74	17	P	P	10 53 04.1	-1.8
O17K	Koligonek Bris	70.75	26	P	P	10 53 03.4	-2.5
SKT	Skwentna	70.76	22	P	P	10 53 03.9	-2.1
CUT	Chullina	70.78	21	P	P	10 53 03.6	-2.4
N19K	Bonanza Creek	70.80	24	P	P	10 53 04.2	-2.1
K24K	Donnelly Dome	70.80	19	P	P	10 53 04.1	-2.2
WAT1	Susitna Watana	70.90	20	P	P	10 53 04.7	-2.2
DHY	Denali Highway	71.01	20	Iamb	Iamb	10 53 07.6	
DHY	Denali Highway	71.01	20	P	P	10 53 05.5	-2.1
P16K	Nushagak River	71.01	27	P	P	10 53 04.3	-3.2
NIKH	Nikolski High	71.03	36	P	P	10 53 07.7	-2.0
EGAK	Eagle	71.03	16	P	P	10 53 07.8	+0.2
EGAK	Eagle	71.03	16	Iamb	Iamb	10 53 08.5	
EGAK	Eagle	71.03	16	P	P	10 53 05.7	-1.8
SCRK	Sand Creek	71.09	18	P	P	10 53 07.4	-0.6
SCRK	Sand Creek	71.09	18	P	P	10 53 05.6	-2.5
N20K	Mot Spurr	71.19	23	P	P	10 53 05.7	-2.9
O18K	Koktuh Hills	71.21	25	P	P	10 53 06.1	-3.2
WAT6	Susitna Watana	71.32	20	P	P	10 53 07.0	-2.6
O19K	Port Aisworth	71.33	24	P	P	10 53 07.2	-2.1
M22K	Willow	71.35	22	P	P	10 53 06.8	-2.7
SUA	Susitna One	71.40	22	P	P	10 53 07.5	-2.5
P17K	Kvichak River	71.41	26	P	P	10 53 07.2	-2.7
H31M	Peel River	71.44	13	Iamb	Iamb	10 53 11.3	
H31M	Peel River	71.44	13	P	P	10 53 07.2	-2.9
UNV	Unalaska Valle	71.46	34	P	P	10 53 07.4	-2.9
K27K	Chicken	71.48	17	Iamb	Iamb	10 53 11.7	
K27K	Chicken	71.48	17	P	P	10 53 08.1	-2.2
PAX	Paxson	71.58	19	P	P	10 53 07.7	-3.3
LSZ	Lusaka	71.59	230	LR	LR	11 25 52.2	
ISOM	Mount Dempster	71.60	14	Iamb	Iamb	10 53 12.4	
I30M	Mount Dempster	71.60	14	P	P	10 53 08.1	-3.0
P18K	Big Mountain,	71.66	25	P	P	10 53 07.9	-3.6
GHO	Glory Hole Cre	71.67	21	Iamb	Iamb	10 53 12.3	
O16K	Kim Galmom	71.73	26	P	P	10 53 09.0	-2.8
PMR	Palmer	71.75	21	P	P	10 53 11.0	-0.9
PMR	Palmer	71.75	21	Iamb	Iamb	10 53 13.3	
PMR	Palmer	71.75	21	P	P	10 53 08.6	-3.3
PMR	Palmer	71.75	21	Pmax	Pmax	10 53 11.0	-0.9
SML	Sawmill	71.80	21	P	P	10 53 11.6	-0.8
SML	Sawmill	71.80	21	P	P	10 53 09.1	-3.2
CAPN	Captain Cook N	71.84	23	P	P	10 53 09.5	-2.9
J29N	Klondike Camp	71.93	15	P	P	10 53 10.3	-2.7
O20K	Slope Mountain	71.94	24	P	P	10 53 10.2	-3.0
S12K	Black Hills	71.97	31	P	P	10 53 10.8	-2.6
M23K	Glacier View	71.97	21	P	P	10 53 11.1	-2.2
RC01	Rabbit Creek A	71.99	22	P	P	10 53 10.8	-2.6
DAWY	Dawson	72.03	16	P	P	10 53 13.0	-0.7
DAWY	Dawson	72.03	16	P	P	10 53 11.3	-2.4
FALS	Fare Pass	72.04	32	P	P	10 53 11.4	-2.3
SCM	Sheep Creek Mo	72.05	20	P	P	10 53 10.9	-2.9
L26K	Log Cabin Wild	72.05	18	P	P	10 53 10.8	-2.9
KNK	Knik Glacier	72.09	21	P	P	10 53 11.7	-2.3
P19K	Oil Pt	72.09	24	P	P	10 53 11.9	-2.2
M24K	Tolsona, Glenn	72.12	20	P	P	10 53 11.4	-2.9
HARP	HAARP	72.14	19	P	P	10 53 11.6	-2.7
J30M	Hart River	72.19	14	P	P	10 53 11.9	-2.8
R16K	Pilot Point	72.26	28	P	P	10 53 12.4	-2.6
L27K	Bear Creek,	72.37	17	P	P	10 53 13.2	-2.5
BCAR	Beaver Creek A	72.38	17	P	P	10 53 15.2	-0.6
O22K	Cooper Landing	72.49	22	P	P	10 53 13.7	-2.7
S14K	Fog Glacier	72.50	29	P	P	10 53 14.7	-2.0
O19K	Cape Douglas,	72.53	25	P	P	10 53 14.0	-2.7
HOM	Hoter	72.58	24	P	P	10 53 14.0	-2.9
K29M	Barlow Dome	72.62	15	P	P	10 53 15.0	-2.2
M26K	Nabesna, AK	72.67	18	P	P	10 53 15.1	-2.4

KLU	Klutina	72.70	20	P	P	10 53 15.1	-2.7
FRB	Frøbisher Bay	72.78	345	LR	LR	11 2	





12d 11h

Table listing stations like LOBA2 Hotel Casa Bon, CABO ROJO, SDDR Presa de Saban, GRTK Grand Turk, etc. with columns for station name, coordinates, phase ID, time, and residual.

IDC 12 11:27:05.3:1.7,7.44S:155.39E,h0km,mb3.7/6,
mbtmp3.7/6, Error ellipse: s-maj=67.0km s-min=25.8km
az=130.0

Table listing stations like WRA Warramunga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, SONM Songino Array, ILAR Eielson Array, YKA Yellowknife Arr, TORD Torodi Arr, etc.

IDC 12 11:28:59.0:1.9,63.88N:28.03E,h0km,mbmp2.9/2,
ML1.6/2, Error ellipse: s-maj=42.9km s-min=7.8km
az=98.0

HEL 12 11:28:58.2:0.1,63.97N:28.16E,h0km,ML1.4,Suspected
explosion

IDC 12 11:28:57.2:0.8,63.96N:0.02:28.18E:0.03,h0km,n24,
+076/42,Finland

Large table listing stations like NIF Nilsia, RMF Romuavaara, RMF Oulu, etc. with columns for station name, coordinates, phase ID, time, and residual.

IDC 12 11:36:55.6:0.5,39.39N:143.17E,h0km,mb4.5/30,
mbtmp4.5/37,ML4.1/7,MS3.9/38, Error ellipse:
s-maj=13.8km s-min=11.6km az=111.0

JMA 12 11:36:57.1:0.2,39.4N:0.4:143.2E:0.7,h21km,2km,
MD4.7/38, MV5.3/33, FAR E OFF SANRIKU
JMA Feilit JJ at FAR E OFF SANRIKU

NIED 12 11:36:57.1,39.42N,143.23E,h21km, MW4.5, Moment
Tensor Solution. s3 Moment tensor: Scale 10^15Nm;
M1:2.4; M2:1.81; M3:3.05; M4:3.23; M5:2.67; M6:12.12;
Fault plane solution: Ms5.32000x10^15 NP1:0.61.00000°,
delta2.00000°, lambda130.00000°. NP2:0.160.00000°,
delta0.00000°, lambda13.00000°.

BUI 12 11:36:58.5:0.0,39.50N:143.20E,h39km,mb4.8/73,
mb5.0/38,Ms4.4/43,Ms7.4/245

MOS 12 11:36:59.1:1.1,39.57N:143.15E,h40km,mb5.1/43,
MS4.4/6, Error ellipse: s-maj=6.6km s-min=4.2km
az=106.8

NEIC 12 11:37:00.8:2.3,39.44N:0.06:143.16E:0.10,h32km,5km,
mb4.8/153, Error ellipse: s-maj=11.6km s-min=7.6km
az=111.0

IDC 12 11:36:59.1:0.4,39.38N:0.04:143.39E:0.04,h32km,2km,
h33km:pp-P,n722,c19141/647,mb4.8/176,MS4.1/56,

2018 APR

Main table listing stations like MIYAKONAGASAWA, TANOHATA, TANOHATA, etc. with columns for station name, coordinates, phase ID, time, and residual.

Table listing stations like KUROKA, INUYAMA, KURILSK, etc. with columns for station name, coordinates, phase ID, time, and residual.

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Table with 4 columns: Station, Azimuth, Elevation, and SNR. Includes stations like ARU, WTLY, V35K, SIMJ, WRGLV, ABKAR, TOAD, KBL, AKTO, SPITS, NOR, KIRV, WRAB, WRAB, WRA, RES, YKA, APA, ARCES, KLMR, NEEM, BELG, AS31, ASAR, DAG, GEYT, GEYT, JOF, DZM, OBN, OBN, NEW, KEF, FIA1, FINES, FINES, FINES, VAF, VSR, VSR, VORD, VORD, SUMG, SUMG, SUMG, VSU, VSU, RATF, MTSE, KIV, KIV, KIV, KIBZ, KIBZ, ONI, ONI, STKA, MNK, MNK, MNK, MNK, MNK, MNK.

Table with 4 columns: Station, Azimuth, Elevation, and SNR. Includes stations like EAGLE, GNI, ICSG, BOZ, BOZ, BOZ, KVN, KVN, NVAR, NC405, NC303, SOC, SOC, SOC, MMLAC, HFS, HFS, NB2, NOA, NB000, VIKU, SMMC, TIN, H17A, AK03, AKAS, AKASC, AKKB, AKBB, AK01, AK02, KIEV, KIEV, KIEV, SFJD, SFJD, MI30, R11B, FRB, DY2G, RNP9P, RNP9P, LUBAL, PDAR, SORMI, NDNU, MURC, NUUK, NUUK, KMPD, KMPD, DIKM, PFO, TPFO, ULM, MDND, MONP2, NEE2, STNU, STNU, KSV, RSSD, KWP, IKP, SWSC, Q20A, BURAR, ESSRD, SSSRD, STHS, STHS, VRI, BRTR, BRTR, BR104, BR105, MORC, MORC, VYHS, VYHS, CLL, CLL, CLL, JAVC, Q24A, VRAC, VRAC, KRUC, EROD, KRUC, EKCS, CK30, CK30, KHC, KHC, RON, CONA.

Table with 4 columns: Station, Azimuth, Elevation, and SNR. Includes stations like EKA, MORH, GERES, MMAI, MMAL, ANMO, SOKA, LESA, KBA, MYKA, PRED, WTTA, ABTA, MOTA, RETA, SQTA, PUK, SCIA, FETA, DAVA, PPT, PP2, EIL, KAN12, TUE, TUE, TAE, TXAR, TBI, ERPA, VAE, BINY, SSPA, L61B, HRV, TZTN, ESDC, ESDC.

Table with 4 columns: Code, Station Name, Azimuth, Elevation, and SNR. Includes stations like ML02, ML02, BI02, GO05, GO05, GO05, BO02, BO02, BO02, BO03, BO03, EDS3, EDS3, BI05, BI05, BI05, BO01, BO01, BO01, BO04, BO04, BO04, MT01, MT01, MT01, MT01, MT09, MT09, MT09, VA05, VA05, VA05, LMEL, LMEL, LMEL, MT12, MT12, MT12, MT15, MT15, MT15.











12d 13h

2018 APR

Table with columns: Station, Frequency, Band, Mode, Power, Signal, Error, etc. Includes stations like XiLinHaoTe, HongShan, Magadan, Hu-ho-hao-te, etc.

Table with columns: Station, Frequency, Band, Mode, Power, Signal, Error, etc. Includes stations like PanZhiHua, Saint Paul Isl, Saint George I, etc.

Table with columns: Station, Frequency, Band, Mode, Power, Signal, Error, etc. Includes stations like Selawik, Iditarod, Pilot Point, etc.

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Table with columns: Station Name, Frequency, Power, Modulation, and other parameters. Includes stations like KDak Kodiak Island, B22K Teshekpuk Lake, etc.

2018 APR

Table with columns: Station Name, Frequency, Power, Modulation, and other parameters. Includes stations like ILAR, D25K, G25K, etc.

12d 13h

Table with columns: Station Name, Frequency, Power, Modulation, and other parameters. Includes stations like YUK3, E29M, G29M, etc.

12d 13h

2018 APR

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Table with multiple columns containing station call signs, frequencies, and various technical parameters. It is organized into vertical columns and rows for readability.



12d 15h

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like WARBT, ILA, HGSD, LATG, TWE, ENT, etc.

2018 APR

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ALS, JISG, WJS, TWQ1, WNT, etc.

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Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like JHJ, JCJ, KSRS, CMAR, WRA, ASAR, YKA, etc.









Table with columns: Station ID, Name, Frequency, Mode, Power, and other technical details. Includes stations like F31M, G31M, J30M, M29M, INK, etc.

Table with columns: Station ID, Name, Frequency, Mode, Power, and other technical details. Includes stations like ZAK, G25K, E25K, O22K, PMR, WAT1, POKR, etc.

Table with columns: Station ID, Name, Frequency, Mode, Power, and other technical details. Includes stations like M18K, XLT, B21K, B21K, B21K, etc.

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like CYA, ACLA, APLL, etc.



Table with columns: STON, SJSJ, IVAS, BBLs, SELS, etc. and rows for various stations with their respective coordinates and times.

IDC 12 17:22:56.7-1.3, 4.53S; 106.72W, h0km, mb3.9/5, mbmp3.9/5, MS3.5/1, Error ellipse: s-maj=114.4km s-min=31.6km az=90.0

NEIC 12 17:22:58.5-1.9, 4.75S; 106.18W, 0.05, h10km, 1km, mb4.5/27, Error ellipse: s-maj=26.6km s-min=6.1km az=168.0

ISC 12 17:22:57.6-1.0, 4.75S; 106.2W, 0.2, h10km, n48, e098/38, mb4.5/19, Central East Pacific Rise

Main table listing station names, station IDs, coordinates, and other parameters for various seismic stations.

IDC 12 17:36:53.6-0.8, 4.61S; 106.58W, h0km, mb4.0/10, mbmp4.0/10, MS4.5/5, Error ellipse: s-maj=43.4km s-min=17.6km az=67.0

NEIC 12 17:36:55.3-2.8, 4.65S; 105.8W, 0.2, h10km, 1km, mb4.9/148, Error ellipse: s-maj=28.0km s-min=22.7km az=256.0

GCMT 12 17:36:58.3-0.2, 4.43S; 105.90W, 0.01, h15km, MW5.1/38, Moment Tensor Solution, s80 c119, s138 c222, Duration: 0 Moment tensor: Scale 10^16Nm; Mn=0.02; 12; Mw=2.15; 13; Mo=0.93; 35; Mw=6.39; 11; Mn=0.17; 34; Best double couple: Mo=80700\*10^16 Np1=99.00000; d87.00000; l7.00000; NP2=9.00000; d83.00000; l177.00000; Principal axes: T 6.8480, Plg7.0000, Azm325.0000; N -0.8000, Plg82.0000, Azm118.0000; P -6.7670, Plg3.0000, Azm234.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

Triangular moment-rate function

ISC 12 17:36:55.5-0.6, 4.65S; 105.9W, 0.1, h17km, n224, e131/170, mb4.8/61, MS4.6/57, Central East Pacific Rise

Table listing station names, station IDs, coordinates, and other parameters for various seismic stations.

Main table listing station names, station IDs, coordinates, and other parameters for various seismic stations.

Main table listing station names, station IDs, coordinates, and other parameters for various seismic stations.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and detailed station information including coordinates and frequencies.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and detailed station information including coordinates and frequencies.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and detailed station information including coordinates and frequencies.

ADC 12 17:45:52.0, 6.3, 15N, 128.00E, h0km, mb4.3/18, mbmp4.3/18, MS2.9/2, Error ellipse: s-maj=29.7km s-min=12.7km az=70.0

MOS 12 18:02:53.2, 1.3, 45.37N, 150.73E, h58km, mb4.2/1, Error ellipse: s-maj=22.1km s-min=11.1km az=146.1

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res. Includes stations like MZK Matakaoa Point, URZ Urewera, RTZ Ruatahuna, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res. Includes stations like RWWY Rawlins, N23A Red Feather La, BRIGG Briggsdale, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res. Includes stations like WAX Waxell Ridge, GHO Glory Hole Cre, KLU Klutina, etc.

NEIC 12 18:24:28.5, 2.1, 43.42N, 0.05:105.30W, 0.05, h0km, 1km, az=336.0
IDC 12 18:24:30.9, 2.2, 43.47N, 105.50W, h0km, mbtm, 3/1, 3, 1/3, ML2.9/3, Error ellipse: s-maj=46.6km s-min=9.3km az=152.0
ISC 12 18:24:29.2, 0.9, 43.44N, 0.04:105.25W, 0.04, h0km, n45, a18:46, Wyoming

NEIC 12 18:30:41.2, 0.8, 56.46N, 0.10:149.29W, 0.10, h1km, 6km, Error ellipse: s-maj=14.6km s-min=7.3km az=167.0
NEIC 12 18:30:37.6, 0.9, 56.50N, 0.09:149.3W, 0.1, h10km, 2km, ML3.1/28, ML3.1(AEIC), Error ellipse: s-maj=15.6km s-min=9.5km az=167.0, Gulf of Alaska

NEIC 12 18:32:51.7, 2.0, 56.12N, 0.08:148.6W, 0.1, h10km, 7km, Error ellipse: s-maj=12.1km s-min=8.6km az=156.0
ISC 12 18:32:47.1, 1.5, 56.24N, 0.09:148.59W, 0.06, h10km, n17, 18/9, 16/7, Gulf of Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res. Includes stations like RSD Black Hills, K22A Casper, PHWY Pilot Hill, etc.



Table of astronomical observations with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like BERG, RC01, O18K, KHIT, etc.

Table of astronomical observations with columns: PDGK, Podgomoye, UZB, UZBYunbulak, SATY, etc. Includes values like 5.3nm,0.1s, 2.17 318, etc.

1DC 12 18:51:06.3 1.0, 28:20N;54:20E, h0km, mb3.8/13, mbmp3.7/16, ML3.7/2, Error ellipse: s-maj=23.6km

TEH 12 18:51:07.0, 28:13N, 54:33E, h16km, 27km, ML3.0 DSN 12 18:51:10.1 1.1, 27:98N;54:17E, h15km, ML3.0/9, Error ellipse: s-maj=15.5km, s-min=6.2km, az=20.0.

OMAN 12 18:51:10.1 1.1, 28:04N;54:30E, h10km, mb4.2/7, mb3.4/14, ms2.9/1, Error ellipse: s-maj=10.4km s-min=5.4km, az=16.0.

ISC 12 18:51:08.7, 0.5, 28:13N;10:04, 54:28E;10.4km, h17km, nb1, az=193/111, mb3.7/12, Southern Irian

Table of station coordinates and names: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like LAR1, JHRM, QIRI, etc.

Table of astronomical observations with columns: MHTO, SNR=11, P, Pn, etc. Includes values like 18 46 14.9, 18 45 45.9 -2.0.

Table of astronomical observations with columns: MHTO, SNR=11, P, Pn, etc. Includes values like 18 45 28.7 -2.3, 18 54 28.7 -2.3.

1DC 12 18:57:09.4 1.2, 2:75S; 138:98E, h0km, mb3.7/8, mbmp3.7/9, ML4.3/2, MS3.4/7, Error ellipse: s-maj=43.8km

DJA 12 18:57:16.0, 2.0, 3.0, S; 4:13 9E, h10km, M4.5/8, mb4.5/8, MLV4.4/6.

NEIC 12 18:57:19.1 1.7, 3:05S; 1:13, 2E; 0:11, h67km, 15km, mb4.0/8, Error ellipse: s-maj=17.8km, s-min=15.3km az=217.0.

ISC 12 18:57:18.0, 0.6, 3:01S; 0:07, 138:43E; 0:06, h62km, n36, az=261/34, mb3.5/7, Irian Jaya

Table of station coordinates and names: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC.

NNC 12 18:45:05.9, 3.2, 41:166N; 81:49E, h0km, mb3.6, mpv3.3, Error ellipse: s-maj=29.0km s-min=18.1km, az=17.0.

SOME 12 18:45:05.8, 4.1, 70N; 81:45E, h20km, ISC 12 18:45:09.2, 3.3, 41:71N; 0:1, 81:5E; 0:1, h34km, 4km, n18, az=214/25, 2C-1D, Southern Xinjiang

1DC 12 19:42:07.2 1.6, 10:46S; 161:64E, h0km, mb3.9/7,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for Honiara, Warramunga Arr, Stephens Creek, WAKE ISLAND Hy, ASAR Alice Springs, etc.

IDC 12 19:47:57.1±5.8, 10.565°161.32E, h0km, mb3.8/4, mbtmp3.8/4, Error ellipse: s-maj=112.0km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for Honiara, Warramunga Arr, Stephens Creek, WAKE ISLAND Hy, ASAR Alice Springs, etc.

IDC 12 19:51:46.8±0.3, 31.30N-80.53E, h0km, mb3.9/13, mbtmp3.8/17, ML3.2/4, MS3.4/5, Error ellipse: s-maj=25.8km s-min=15.3km az=48.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for Honiara, Warramunga Arr, Stephens Creek, WAKE ISLAND Hy, ASAR Alice Springs, etc.

IDC 12 19:51:49.6±2.0, 31.4N-80.61E, h0km, mb4.1/15, Error ellipse: s-maj=21.2km s-min=6.2km az=217.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for Pithoragarh, Lohaghat, Simla, Bhakra, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for GYEY, GYA0B ALIBECK ARR, CRAI Chiarrang, etc.

IDC 12 19:57:23.7±1.5, 5.85S-142.05E, h0km, mb3.6/5, mbtmp3.7/7, ML3.8/2, Error ellipse: s-maj=66.4km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for WARRAMUNGA ARR, ASAR Alice Springs, etc.

NEIC 12 19:59:41.0±1.8, 57.9S-02:25.1W, h0km, mb4.7/32, Error ellipse: s-maj=28.4km s-min=13.9km az=222.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for WARRAMUNGA ARR, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for PMSA, EFI East Falkland, BELA Beira, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time Res, Residual. Includes stations like ROSC EI Rosal, TORD Torodi Ar, SDV Santo Domingo, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time Res, Residual. Includes stations like HARP HAARP, I26K Coal Creek, KLU Klutina, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time Res, Residual. Includes stations like HATJ Hateruma jima, JIJ Ishigaki jima, etc.

Table with columns: MORW, QSPA, GQSA, BELA, SNA, NVAR, O18K, L19K, CMAR, TXAR, BSUT, PDAR, KURBB, BVAR, HFS, PABE, AKASG, BR131, BRTR, MMAI, EKA, TORD. Includes station names, coordinates, and various codes.

IGIL 12:20:49:25.6, 36.66N: 11.30W, h15km, ML1.6
MDD 12:20:49:26.3, 36.76N: 11.21W, h14km, 20km,
mb\_Lg 3.1/1.2, Error ellipse: s-maj=24.0km s-min=5.1km
az=49.0

INMG 12:20:49:27.4, 1.2, 36.68N: 11.29W, h28km, 18km, ML2.1,
Error ellipse: s-maj=12.3km s-min=3.7km az=62.0
CNRM 12:20:49:32.8, 36.39N: 10.59W, h78km
ISC 12:20:49:22.9, 2.6, 36.76N: 0.09: 11.2W: 0.1, h10km, n56,
+175/93, Azores-Cape St. Vincent Ridge

Main table for 12d 21h section, listing station names, coordinates, and various codes. Includes stations like Vila Bisbo, Marnelete, Sao Teotônio, etc.

Table for 2018 APR section, listing station names, coordinates, and various codes. Includes stations like ECAB, EPLA, EADA, etc.

IDC 12:21:24:34.7, 6.1, 3.45S: 133.11E, h0km, mb3.1/2,
mbtmp3.1/3, ML3.1/1, Error ellipse: s-maj=364.5km
s-min=32.9km az=76.0, Irian Jaya region

Table for IDC section, listing station names, coordinates, and various codes. Includes stations like WRA, ASAR, MKAR.

CATAC 12:21:47:57.0, 0.7, 12.53N: 87.96W, h28km, ML3.0,
SNET 12:21:47:58.2, 0.9, 12.57N: 88.05W, h28km, 5km, ML3.3
ISC 12:21:47:56.7, 1.6, 12.51N: 0.06: 87.98W: 0.04, h27km, 14km,
n25, c0:59/46, Near coast of Nicaragua

Main table for 2018 APR section, listing station names, coordinates, and various codes. Includes stations like CNCH, JUCU, LCND, AMPH, etc.

IDC 12:21:49:07.6, 1.4, 17.16S: 174.20W, h0km, mb4.0/4,
mbtmp4.1/4, Error ellipse: s-maj=56.0km s-min=29.5km
az=137.0

ISC 12:21:49:20.4, 1.2, 17.4S: 0.3: 174.2W: 0.3, h10km, n7,
c1507/7, mb4.0/4, Tonga Islands

Table for IDC/ISC section, listing station names, coordinates, and various codes. Includes stations like URZ, WRA, ASAR, PDAR.

Table for 802 section, listing station names, coordinates, and various codes. Includes stations like BVAR, BRTR, MMAI.

RSNC 12:21:55:46.4, 0.0, 7.1N: 173.7W, h142km, 3km, mb3.8,
ML2.9, Northern Colombia

Main table for 802 section, listing station names, coordinates, and various codes. Includes stations like BARC, PAMC, RUSC, etc.

CATAC 12:21:57:51.0, 0.8, 6.08N: 82.49W, h26km, 19km, mb4.2,
MB2.7, ML4.0, South of Panama

Main table for CATAC section, listing station names, coordinates, and various codes. Includes stations like CCOL, PLAN, OCHAL, etc.

IDC 12:21:59:15.6, 1.9, 42.90N: 13.64E, h0km, mb3.2/2,
mbtmp3.4/5, ML3.2/3, Error ellipse: s-maj=61.1km
s-min=15.4km az=99.0

LDG 12:21:59:18.4, 0.1, 43.11N: 13.05E, h8km, M3.0/13, Error
ellipse: s-maj=3.0km s-min=1.4km az=68.0

ROM 12:21:59:19.0, 0.0, 43.053N: 0.002: 13.039E: 0.004,
h8km, ML3.3/158, Error ellipse: s-maj=0.3km s-min=0.1km
az=65.0

Table for LDG/ROM section, listing station names, coordinates, and various codes. Includes stations like T1219, T1219.



12d 22h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SABO Mte Sabotino, GBSAS Gorenje, MGRS Mrkonjic Grad, etc.

2018 APR

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SSF Savonnières en, SAVF Bois d'Angland, BGF Bois d'Angland, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ZALV Zalesovo Beam, MKAR Makanchi Array, etc.









Table with columns: Station ID, Name, Frequency, Mode, Power, Azimuth, Elevation, etc. Includes stations like D27M, D28M, M18K, OHAK, N18K, J19K, E23K, G21K, H20K, L18K, F22K, J18K, D25K, D25K, TOLK, F21K, F21K, F21K, P17K, N17K, M17K, S17K, O17K, D24K, D24K, D24K, H19K, H19K, C26K, C26K, K17K, D23K, F20K, G19K, P16K, N16K, M16K, H18K, D22K, D22K, L16K, C23K, C36M, C36M, G18K, F19K, E19K, E20K, H17K, C21K, F18K, B21K, K15K, YKA, YKA, B22K, D19K, B20K, E17K, C19K, A22K, A36M, A36M, C18K, A19K, EDM, NEW, NEW, NEW, RES, RES, RES, RES, RES, EGMT, EGMT, BOZ, BOZ, FCC, FCC, RLMT.

Table with columns: Station ID, Name, Frequency, Mode, Power, Azimuth, Elevation, etc. Includes stations like H17A, BW06, PDAR, NVAR, ULM, K22A, FRB, PETK, TIXI, SFJD, SCHO, MIAR, TXAR, NRIK, ARCES, NB2, NOA, HFS, HFS, FINES, EKA, KSR5, JTS, HHC, HHC, BVAR, OBN, KURBB, BELG, AKASO, LYN, LYN, WATA, SQTA, WTAA, LESA, DAVOX, KBA, OBKA, LZH, LZH, LZH, SDV, ESDC, MDT, GNI, BRTR, KEST, PZH, PZH, PZH, CMAR, BOSA, QSPA, NEIC, TUL, Code, Station Name, Azimuth, Elevation, Phase ID, Time Res, etc. Includes NEIC 13 00:11:07.4e 1.2, 44:81N, 0:03:112:35W, 0:04, h10km, 2km, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, etc. Includes stations like CROK, CROK, KAN06, KAN06, KAN08, KAN08, KAN12, OK035, OK035, OK048, OK048, OK048, OK038, T35A, OK033, OK033, OK029, OK029, OK029, QUOK, U32A, U32A, U32A, ADOK, CSTR, DEOK, OKCSW, ELIS, FNO, R32A, W35A, TUL3, TUL3, WMOK, RLO, KSIU, CBKS, SMWD, U38A, LOOK, X37A, HHAR, HHAR, S39A, S39A, RTBA, DKNS, MIAR, P38A, KSCO, X40A, P40A, N38A, T25A, Q24A, PHWY, Code, Station Name, Azimuth, Elevation, Phase ID, Time Res, etc. Includes NEIC 13 00:11:08.1e 1.5, 44:83N, 0:03:112:33W, 0:04, h11km, 8km, etc.

Table with columns: Code, Station Name, Az, El, Pn, P, Pn, Time, Res, ISC. Includes stations like TPAW Teton Pass, YPK Parker Peak, LOHW Long Hollow, SNOW Snow King Moun, etc.

NOU 13 00:18:56.8, 40.78S:172.00E, h0km, MLV4.1/10, Off W. Coast of S. Island, N.Z.
WEL 13 00:18:58.0, 40.71 S, 172.02 E, h5km, M3.8/13, ML4.0/13, MLV3.8/13, Error ellipse: s-maj=0.0km s-min=0.0km az=134.7, confirmed

Table with columns: Code, Station Name, Az, El, Pn, P, Pn, Time, Res, ISC. Includes stations like QZR Quartz Range, KAR Karamea School, KHL Kaihoka Lakes, etc.

Table with columns: Code, Station Name, Az, El, Pn, P, Pn, Time, Res, ISC. Includes stations like TMSZ Takapari Road, TRVZ Turoa, WNVZ Wahianoa, etc.

IDC 13 00:20:41.4, 2.5, 7.19S: 119.84E, h273km, 21km, mb3.2/6, mbtp3.8/8, Error ellipse: s-maj=110.8km s-min=12.8km az=50.0

DJA 13 00:20:41.0, 0.5, 8.5 S, 13.11 9E, h259km, 8km, M4.3/9, mb4.3/5, mb5.2/1, MLV4.4/9, MW(mB)4.6/1

ISC 13 00:20:39.4, 0.9, 7.45S: 0.1, 119.45E, 0.07, h25km, m18, az=162/22, mb3.6/5, Fiores Sea

Table with columns: Code, Station Name, Az, El, Pn, P, Pn, Time, Res, ISC. Includes stations like PLA1 Plampang, EDFI Ende, TWSI Taliwang, etc.

TIF 13 00:27:32.5, 43.17N, 146.88E, h2km, 2km

NORS 13 00:27:32.6, 42.92N, 46.88E, h2km, MPVA5.0

IDC 13 00:27:32.0, 6.43, 03N: 146.71E, h0km, mb3.7/11, mbtp3.8/19, ML3.6/8, MS2.4/3, Error ellipse: s-maj=10.5km s-min=7.7km az=154.0

MOS 13 00:27:33.4, 42.96N, 46.94E, h11km, MPVA5.0

DNS 13 00:27:34.1, 42.93N, 46.92E, h10km

NNC 13 00:27:40.7, 5.5, 43.60N: 47.60E, h0km, mb4.1, Error ellipse: s-maj=175.9km s-min=45.3km az=134.0

ISC 13 00:27:33.4, 0.8, 43.05N: 0.02, 46.99E, 0.02, h13km, 5km, m163, c191/254, mb3.6/11, 14C-8D, Eastern Caucasus

Table with columns: Code, Station Name, Az, El, Pn, P, Pn, Time, Res, ISC. Includes stations like DBC Dubki, BUJR Buynakk, DLMR Dylm, etc.

Table with columns: Code, Station Name, Az, El, Pn, P, Pn, Time, Res, ISC. Includes stations like DVE Vedeno, GNBGR Gunib, GNBGR Gunib, etc.





Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like TWK Hsinying, CHN8 Yiju, WTP Ta-pu, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like NACB Ninganchiao, DSXP Dongshan, KNM Kimnan, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like POSS comp=2.4um,1.0s, PACA Pacayal, RANC El Ranchito, etc.

Table with columns: Station Name, Az, El, Pn, Pn, Time, Res. Includes stations like Willow Creek R, Spring Creek 3, etc.

NIED 13 01:59:13.6, 35.19N, 132.57E, h13km, MW3.6, Moment Tensor Solution...

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

BUC 13 02:12:33.9, 0.6, 45.58N, 26.61E, h80km, km3, m2.0/5, 13C-4D, Error ellipse...

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

NEIC 13 02:47:49.9, 1.0, 34.86N, 0.0, 116.38W, 0.01, h1km, 1km, Error ellipse...

ANF 13 02:47:50.2, 0.1, 34.84N, 116.38W, h12km, 1km, ML3.3/25, Error ellipse...

Large table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res. Includes stations like HEC, DSCC, RRR, etc.

Table with columns: Station Name, Az, El, Pn, Pn, Time, Res. Includes stations like Mount Baldy Ra, Mount Baldy Ra, etc.

IRM Iron Mountain, 1.24 123, P, 02 48 30.4, +0.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res. Includes stations like POB, HMT, SSK, etc.

BZNA Buzz N, 1.37 190, Pg, 02 48 16.1, -0.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res. Includes stations like CCAC, LRR, PSRC, etc.

ELN Elsinore Mount, 1.47 216, Pg, 02 48 37.5, -0.1

Large table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res. Includes stations like CJV, MPMC, MWC, etc.

Table with columns: Station Name, Az, El, Pn, Pn, Time, Res. Includes stations like GMN, GMN, LCH, etc.

GMN comp=N, 2.59 337, Pn, 02 48 32.8, +0.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res. Includes stations like U15A, U15A, LHV, etc.

CMB Columbia Coile, 4.53 316, Pn, 02 49 00.5, +1.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res. Includes stations like TCRU, X16A, etc.

IN 13 02:57:42.8, 1.6, 33.72N, 45.72E, h8km, 16km, ML2.9

TEH 13 02:57:43.6, 3.3, 33.78N, 45.69E, h12km, 99km, ML2.9

ISC 13 02:57:43.3, 1.0, 33.74N, 45.69E, 0.06, h13km, n8, 0.65/1.1, Iran-Iraq border region

ILBA Ilam Banvizeh, 0.45 104, Op, 02 57 53.1, 0.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res. Includes stations like IGHG, IDHR, BHD, etc.

KCHF Chehime Sefid, 1.25 64, Pg, 02 58 07.2, -0.1

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

13d 3h

Table with columns: Station ID, Name, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Station Type, and Status. Includes stations like Q19K Cape Douglas, SEW Seward, AU22 Augustine Moun, etc.

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Table with columns: Station ID, Name, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Station Type, and Status. Includes stations like N19K Bonanza Creek, GHO Glory Hole Cre, ISLE Juniper Island, etc.

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Table with columns: Station ID, Name, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Station Type, and Status. Includes stations like CAST Castle Rocks, KTH Kantishna Hill, PLBC Pleasant Camp, etc.

Station ID: 13d 03:06:53.5-1.2, 6.08S; 142.74E, h0km, mb3.9/4, mbtm3.9/6, ML1.6/1, Error ellipse: s-maj=33.6km s-min=24.2km az=70.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PMG Port Moresby, WRA Warramunga Arr, WRA Warramunga Arr, etc.





Table of station data for stations A through Z, including columns for code, station name, frequency, and other technical details.

Table of station data for stations AA through I, including columns for code, station name, frequency, and other technical details.

Table of station data for stations J through Z, including columns for code, station name, frequency, and other technical details.

Table with columns for call sign (e.g., GTA, QIZ, ZALV), name (e.g., Gaotai, Qiongzhong, Zalesovo Array), coordinates, and other parameters like elevation and SNR.

Table with columns for call sign (e.g., ARCES, NEEM, BELG), name (e.g., ARCES ARCESS Array B, North Greenland, Belogomorye), coordinates, and other parameters like elevation and SNR.

Table with columns for Code, Station Name, Delta, Azimuth, Phase ID, ISC, Time, and Residual (e.g., VNA1 Neumayer-Stat, VNA2 Neumayer-Watz, VNA3 Neumayer-OHP).

13d 3h

GCMT 13 03:57:44.6:0.2,6:26S:0.01:142:39E:0.02,h12km, MW5.0/11.0, Moment Tensor Solution... s33 c35; ...

ISC 13 03:57:43.7:0.3,6:33S:0.04:142:44E:0.05,h10km,n625, ...

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like TABU, MMPI, JAY, GENI, etc.

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Main table of seismic events with columns: MWBA, P, I, A, M, B, T, 2018 234, P, I, A, M, B, 04 03 20.5, -0.8, etc. Includes events like Pilbara Seismi, Buclebleo, Forrest, etc.

Continuation of seismic event table with columns: CD2, Chengdu, 52.34 317, P, S, P, 04 04 26.5, +0.4, etc. Includes events like Yuzh-Sakhalin, BinXian, etc.

Table with columns for station ID, name, coordinates, elevation, and forecast data for stations 819 through 115K.

Table with columns for station ID, name, coordinates, elevation, and forecast data for stations 116K through 201K.

Table with columns for station ID, name, coordinates, elevation, and forecast data for stations 202K through 421K.



Table with columns: Station Name, Frequency, Mode, Direction, Date/Time, and other parameters. Includes stations like LVC, PB15, IPOC Station P, etc.

Table with columns: Station Name, Frequency, Mode, Direction, Date/Time, and other parameters. Includes stations like LDASE Londrina, Braz, PCMB Pacaembu, etc.

Table with columns: Station Name, Frequency, Mode, Direction, Date/Time, and other parameters. Includes stations like B35A Bob, Littlere, 75.88 342, etc.

IDC 13 04:19:36.2,343.0,53'83N,42'06E,h0km, Error ellipse: s-maj=133.5km s-min=80.9km az=136.0, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like I43RU, I31KZ, I26DE, I37NO.

IDC 13 04:25:20.4,3.3,10'41S,70'80W,h589km,67km,mb2.6/2, mbmp3.4/4, Error ellipse: s-maj=116.4km s-min=40.6km az=20.0

IDC 13 04:25:20.8,1.3,10.6S,02'x70'9W,0.3,h602km,n6, r0566f6,mb3.1/3,Peru-Brazil border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like LPAZ, SIV, TORD, YKA, GERES, WRA.

SJA 13 05:16:31.3,0.6,20'63S,71'05W,h26km,2km,ML3.2, MW3.6

GUC 13 05:16:33.2,0.8,20'63S,71'06W,h20km,3km,ML3.4, ISC 13 05:16:31.5,1.9,20'58S,02'x71'05W,0.07,h14km,10km, n32,r0595/48,7C-3D, Off coast of northern Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TA01, TA02, TA03, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Rows include PB02, PB01, PB07, etc., listing various IPOC Station P and IAML stations.

IDC 13 05:18:54.4+9.9, 20.88S; 148.28E, h0km, mbtmp3.0/2, ML2.7/1, Error ellipse: s-maj=89.7km s-min=79.4km az=38.0, Queensland

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Rows include WRA, ASAR, I22FR, listing stations in Queensland.

NAO 13 05:26:26.7+57.0, 74.25N; 7.88E, ML2.2 BER 13 05:26:37.0+2.1, 74.66N; 9.17E, h10km, mb(Pn)3.5, ML2.2 (VAO). Confirmed Earthquake

ISC 13 05:28:37.2+0.4, 3.743N; 02.935E; 0.2, h10km, n10, <0.75/18, Greenland Sea

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Rows include HSPB, BRBA, BRBB, SPA0, listing stations in Greenland Sea and other regions.

IDC 13 05:59:57.0+5.8, 3.95S; 133.14E, h0km, mb3.6/1, mbtmp3.6/3, ML3.7/2, Error ellipse: s-maj=346.4km s-min=32.4km az=76.0

DJA 13 05:59:57.8+0.4, 4.56N; 13.9E, h57km, 35km, M4.3/6, Mb4.5/2, mb6.6/1, MLv4.2/6, Mw(mb)6.3/1, MwMwp4.7/1, Mw6.5.1/1

ISC 13 05:59:55.8+1.1, 3.98S; 0.108N; 133.35E; 0.08, h35km, n8, <0.75/8, Irian Jaya region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Rows include FAKI, BNDI, SWI, SMP1, JAY, WARRAMUNGA ARR, listing stations in Irian Jaya region.

ASAR Alice Springs 13.59 256 Pn 0.2mm, 0.3s, baz=82, slow=13, SNR=1.6

ASAR 1.0mm, 0.8s, baz=354, slow=27, SNR=4.3 1.1mm, 0.5s

MKAR Makanchi Array 6.72 325 Pn 0.4mm, 0.6s, baz=111, slow=6.3, SNR=2.4 0.4mm, 0.6s

WEL 13 06:03:26.1+0.3, 40.52S; 17.4E; h12km, 6km, M3.7/9, ML4.0/19, MLv3.7/9, Error ellipse: s-maj=0.0km s-min=0.0km az=68.1, confirmed

NOU 13 06:03:26.0, 40.18S; 174.28E, h8km, MLv3.7/12, Cook Strait, New Zealand

Main table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Rows include WAZ, DUWZ, LREZ, OHWZ, etc., listing numerous stations across various geographic locations.

NNC 13 06:15:21.4+2.8, 54.18N; 87.25E, h0km, mb3.7, mpv3.4, Error ellipse: s-maj=24.3km s-min=15.1km az=15.0, Suspected Mining Explosion

IDC 13 06:15:22.0+2.4, 54.19N; 87.21E, h0km, mbtmp4.0/3, ML3.5/3, Error ellipse: s-maj=22.4km s-min=13.2km az=60.0

ISC 13 06:15:20.5+2.4, 54.33N; 02.871E; 0.2, h0km, n9, <2807/14, 6C-4D, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Rows include I46RU, ZAAO, ZAAO, etc., listing stations in Southwestern Siberia.

NEIC 13 06:25:11.8+0.8, 18.26S; 0.0669; 66W; 0.10, h136km, 7km, mb4.3/10, Error ellipse: s-maj=14.0km s-min=7.5km

GUC 13 06:25:13.0+0.7, 18.32S; 69.41W, h124km, 3km, ML4.0 IDC 13 06:25:14.6+1.2, 18.28S; 69.07W, h139km, 9km, mb3.8/7, mbtmp4.3/10, MS3.4/1, Error ellipse: s-maj=21.3km s-min=9.8km az=102.0

VAO 13 06:25:14.0+0.4, 18.23S; 69.19W, h137km, mb4.3 ISC 13 06:25:11.5+0.6, 18.28S; 0.0469; 41W; 0.06, h127km, 6km, n103, <1838/116, mb3.9/7, 3C-9D, Northern Chile

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Rows include PB16, PB16, PB18, etc., listing numerous stations in Northern Chile and other regions.



Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like AODB, SALV, RVDE, etc.

NOU 13 06:54:24.4, 36°73'S; 176°30'E, h385km, MLv4.3/7, Off E. Coast of N. Island, N.Z.

WEL 13 06:54:55.8, 0.7, 38°54' x 17°6'E, h167km, mb2.8/37, ML2.4/8, MLv2.8/37, Error ellipse: s-maj=0.0km s-min=0.0km az=49.9, confirmed

ISC 13 06:54:51.5, 1.7, 38°48'N; 0.04; 175°56'E; 0.05, h202km, gkm, n117, c18/130, North Island

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like TLZ, WATZ, HIZ, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like RTZ, Ruatahuna, NMHZ, etc.

ISC 13 06:30:08.1, 3.1, 54°48'N; 86°95'E, h0km, mbtmp3.1/2, ML2.5/2, Error ellipse: s-maj=27.5km s-min=18.9km az=53.0, Southwestern Siberia

ISC 13 06:58:40.2, 2.8, 54°20'N; 87°34'E, h0km, mbtmp3.3/2, ML3.0/2, Error ellipse: s-maj=24.3km s-min=15.7km az=60.0

ISC 13 06:58:41.2, 3.1, 54°12'N; 87°11'E, h0km, mb3.2, mpv3.0, Error ellipse: s-maj=25.8km s-min=16.6km az=19.0, Suspected Mining explosion.

ISC 13 06:58:43.4, 4.2, 54°22'N; 0.2; 86°8'E; 0.2, h0km, n9, c1972/14, 7C-4D, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like H46RU, ZAAO, ZAAZ, etc.

ISC 13 07:03:04.6, 1.2, 5°81'S; 142°51'E, h0km, mb4.1/3, mbtmp4.0/5, ML1.8/1, Error ellipse: s-maj=36.3km s-min=25.6km az=72.0

ISC 13 07:03:05.6, 1.0, 6°15'S; 0.10; 142°E; 0.1, h10km, n6, c274/9, mb4.0/3, New Guinea

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like PMG, Port Moresby, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like WRA, Warramunga Arr, etc.

DNK 13 07:03:51.5, 1.4, 56°57'N; 21°06'E, h0km, ML1.9, (UPP) LVSN 13 07:03:53.8, 2.9, 58°78'N; 21°45'E, h0km, 65km, ML1.7.3 UPP 13 07:03:50.7, 2.4, 56°50'N; 21°06'E, h0km, ML1.9, Baltic

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like Code, Station Name, Az, AZ, Phase ID, Time, Res, etc.

IDC 13 07:08:09.8, 2.9, 54°27'N; 87°34'E, h0km, mbtmp3.2/2, ML2.7/2, Error ellipse: s-maj=25.5km s-min=16.7km az=57.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like I46RU, ZALESOVO INFRA, etc.

SOME 13 07:08:54.6, 41°50'N; 83°55'E, h15km NNC 13 07:08:57.1, 2.0, 41°55'N; 83°46'E, h0km, mb4.2, mpv3.8, Error ellipse: s-maj=16.1km s-min=11.8km az=176.0

ISC 13 07:09:02.8, 1.6, 41°77'N; 0.08; 83°26'E; 0.04, h10km, n40, c1971/49, IC-2D, Xinjiang

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like SHLS, Shalkode, etc.

Table with columns: Code, Station Name, Az, El, Op, P, Sg, Time, Res. Includes stations like ARXS, KOTS, MDOK, TNSNS, MK31, etc.

IDC 13 07:22:09.3.2.2.8.45S.118.43E. h133km, 18km, mb4.1/17, mbmp4.5/19, MS3.3/3, Error ellipse: s-maj=22.7km s-min=10.1km az=75.0

NEIC 13 07:22:09.2.2.3.8.55S.0.07x.118.34E.0.0.07, h132km, 2km, mb4.9/27, Error ellipse: s-maj=10.4km s-min=9.4km az=45.0

DJA 13 07:22:09.1.0.1.9.5.2x.11.8E.1x, h123km, 2km, M5.0/28, mb5.0/28, mb5.4/9, MLV5.1/21, Mw(mb)4.8/9, MwLWp6.4/2, Mwp6.3/2

ISC 13 07:22:09.1.0.3.8.63S.0.05x.118.39E.0.05, h132km, n154, r1548/156, mb4.8/35, Submax region

Table with columns: Code, Station Name, Az, El, Op, P, Sg, Time, Res. Includes stations like PLAI, TWSI, BAKI, etc.

Main table with columns: Code, Station Name, Az, El, Op, P, Sg, Time, Res. Includes stations like KSM, TMTI, PSA00, etc.

Table with columns: Code, Station Name, Az, El, Op, P, Sg, Time, Res. Includes stations like KLR, HEH, WMO, etc.

BUI 13 07:23:45.2.0.0.4.4.86N.77.98E, h6km, mb4.5/4, mB4.7/4, ML4.2/9, MS4.3/1, Ms7.4.1/1

IDC 13 07:23:49.2.0.6.4.4.39N.78.53E, h0km, mb3.9/1.1, mbmp3.9/18, ML3.4/7, MS3.0/4, Error ellipse: s-maj=10.9km s-min=6.3km az=140.0

MOS 13 07:23:50.3.1.3.44.56N.78.41E, h14km, mb4.1/4, Error ellipse: s-maj=6.8km s-min=4.5km az=81.6

MOS Feb (III-IV) at Zhanlyak, NNS 13 07:23:51.5.0.3.44.44N.78.50E, h1km, 2km, mb4.7, mp4.7, Error ellipse: s-maj=2.5km s-min=2.0km az=147.0

SOME 13 07:23:53.4.4.44.5N.78.48E, h10km, MS3.3, ISC 13 07:23:50.6.0.7.44.47N.0.02.78.46E.0.02, h10km, 4km, n148, r1560/226, mb4.2/18, 28C-10D, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, El, Op, P, Sg, Time, Res. Includes stations like BLB, ARXS, ARXS, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like PDGK, PDBK, UZBY, UZB, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KBK, BTLS, MAKZ, AAK, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like AKTO, AKTO, ARU, ARU, etc.

PRU 13 07:25:19.7, 49:86N:18:54E, h0km, Mining Induced Event Csm, E=3.3e+05 VIE 13 07:25:19.0, 2.0, 7, 49:81N:18:59E, h0km, mb2.5/4, ml2.4/3, Error ellipse: s=maJ=5.5km s-min=3.0km az=53.0 Suspected Mining induced. IPEC 13 07:25:19.0, 0.2, 49:83N:18:56E, h1km, ML2.2/4, Error ellipse: s=maJ=1.7km s-min=1.1km az=163.0 ISC 13 07:25:19.1, 0.8, 49:79N:0:03, 18:54E:0.02, h0km, m25, s=067/46, Czech and Slovak Republics

Table with columns for Code, Station Name, Azimuth, Phase ID, Time Res, and other technical details. Includes stations like OKC, MORC, MORC, etc.

13d 8h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CHV, STHS, KECS, RONA, CONA, PRU, CKRC, BRG, KHC, etc.

JMA 13 07:28:06.0.2.35.2N.0.3.14.1E, h34km, 2km, MV3.4/37, E OFF BOSO PENINSULA, IDC 13 07:28:16.7.5.3.34.87N.140.19E, h77km, 28km, mb3.6/5, mbtmp3.8/6, MS3.1/5, Error ellipse: s-maj=99.7km s-min=14.6km az=76.0

ISC 13 07:28:08.7.1.1.35.14N.0.04.141.15E.0.08, h35km, n32, c143Z/22, mb3.9/5, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BSO1, BS03, BS04, JSMT, JSMT, JKUC, JCN, JYT, JIM2, JHU2, JHU, JHM, MJAR, MJAR, MAJO, MADS, JTM, ERM, JEM, KSR5, KLR, H1N2, H1N1, H1N3, H1S3, H1S1, H1S2, TIXI, ZALV, MKAR, KURBB, BVAR, WRA, MMAI, etc.

IDC 13 07:36:53.8.2.6.14.68S.170.33E, h673km, 47km, mb2.7/5, mbtmp3.7/6, Error ellipse: s-maj=86.9km s-min=19.8km az=152.0

ISC 13 07:36:52.6.1.2.14.4AS.0.2.170.3E.0.2, h650km, n7, c088/8, mb3.3/5, Vanuatu Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZM, WRA, ASAR, ASAR, CMAR, ILAR, YKA, ARCES, etc.

IDC 13 07:45:08.2.3.3.54.22N.87.22E, h0km, mbtmp2.8/2, ML2.5/2, Error ellipse: s-maj=30.0km s-min=19.0km az=58.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like I46RU, ZALV, ZALV, KURBB, MKAR, etc.

IDC 13 07:45:56.4.1.9.2.99N.127.62E, h0km, mb3.6/4, mbtmp3.6/4, Error ellipse: s-maj=155.9km s-min=22.4km az=68.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRA, ASAR, MKAR, KURBB, etc.

2018 APR

IDC 13 07:58:49.6.3.1.54.25N.87.31E, h0km, mbtmp3.1/2, ML2.6/2, Error ellipse: s-maj=26.9km s-min=17.5km az=61.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like I46RU, ZALV, ZALV, KURBB, MKAR, MKAR, etc.

IDC 13 07:59:01.1.1.1.6.13.47N.125.20E, h0km, mb3.5/4, mbtmp3.5/4, ML4.8/1, Error ellipse: s-maj=67.9km s-min=21.3km az=60.0, Philippine Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TGY, WRA, ASAR, H1S3, H1S1, H1S2, H1N1, H1N2, H1N3, MKAR, KURBB, etc.

TRN 13 08:01:12.1.19.62N.63.05W, h48km, MD0.0 OSPL 13 08:01:13.9.2.7.19.79N.63.21W, h0km, 192km, ML4.5, ISC 13 08:01:17.0.2.5.19.3N.0.2.63.27W.0.09, h35km, n28, c151Z/31, Leeward Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ANDO, ANDO, ANDB, MBFL, ABD, AOPR, CBE, AGPR, CRPR, SVN, PCDR, BIM, MPOM, SLBI, SC01, SDDR, SDDR, GRTK, TRN, MASC, MASC, MASC, MOAC, MOAC, GTTY, BAUV, BAUV, SABCS, SABCS, SABCS, RACC, PNC, PINC, MARVS, etc.

IDC 13 08:01:12.1.19.62N.63.05W, h48km, MD0.0 OSPL 13 08:01:13.9.2.7.19.79N.63.21W, h0km, 192km, ML4.5, ISC 13 08:01:17.0.2.5.19.3N.0.2.63.27W.0.09, h35km, n28, c151Z/31, Leeward Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ANDO, ANDB, MBFL, ABD, AOPR, CBE, AGPR, CRPR, SVN, PCDR, BIM, MPOM, SLBI, SC01, SDDR, SDDR, GRTK, TRN, MASC, MASC, MASC, MOAC, MOAC, GTTY, BAUV, BAUV, SABCS, SABCS, SABCS, RACC, PNC, PINC, MARVS, etc.

VIE 13 08:03:15.9.0.6.49.88N.18.55E, h0km, mb2.8/7, ml2.7/6, ms3.4/1, Error ellipse: s-maj=4.2km s-min=3.6km az=56.0, Suspected Mining induced.

IPEC 13 08:03:16.4.0.2.49.83N.18.55E, h1km, ML2.7/4, Error ellipse: s-maj=1.7km s-min=1.1km az=163.0, Mining induced.

PRU 13 08:03:16.6.49.85N.18.58E, h0km, Mining Induced Event Csm, E=2.2e+06, Felt In Havior

IDC 13 08:03:20.1.1.2.49.88N.18.87E, h0km, mbtmp3.4/4, ML3.2/4, Error ellipse: s-maj=29.3km s-min=10.6km

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

826

RAC Raciborz 0.32 313 ePg Pb 08 03 24.1 0.0 RAC Raciborz 0.32 313 ePg Pb 08 03 24.1 0.0 MORC Moravsky Berou 0.66 262 ePg Sg 08 03 28.9 +0.7

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MAUC, MAUC, OJC, OJC, LIPTOVSKA ANNA, LIPTOVSKA ANNA, JAVC, JAVC, KRLC, KRLC, NIE, NIE, VYHNE, VYHNE, VRAC, VRAC, VRAC, VRAC, etc.

IDC 13 08:05:58.5.1.3.8.01S.122.70E, h231km, 9km, mb3.5/4, mbtmp3.5/6, ML3.2/2, MS3.3/1, Error ellipse: s-maj=41.7km s-min=25.0km az=142.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DPC, DPC, KRUC, KRUC, OSTO, OSTO, MSTS, MSTS, UPCI, UPCI, CHVC, CHVC, STHS, STHS, KECS, KECS, ZST, ZST, CRVS, CRVS, GPOC, GPOC, PRU, PRU, CONA, CONA, RONA, RONA, RONA, RONA, etc.

IDC 13 08:08:30.3.3.5.54.17N.87.16E, h0km, mbtmp2.9/2, ML2.3/2, Error ellipse: s-maj=32.2km s-min=20.1km az=57.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like I46RU, I46RU, ZALV, ZALV, ZALV, ZALV, KURBB, KURBB, MKAR, MKAR, etc.

IDC 13 08:31:32.5.1.5.33.22N.15.63E, h0km, mb3.6/4, mbtmp3.5/6, ML3.2/2, MS3.3/1, Error ellipse: s-maj=41.7km s-min=25.0km az=142.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KEST, KEST, BRTR, BRTR, TORD, TORD, ARCES, ARCES, KURBB, KURBB, MKAR, MKAR, etc.

IDC 13 08:31:33.9.1.3.33.3N.0.2.15.51E.0.10, h10km, n6, c158Z/7, Central Mediterranean Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KEST, KEST, BRTR, BRTR, TORD, TORD, ARCES, ARCES, KURBB, KURBB, MKAR, MKAR, etc.

IDC 13 08:53:58.5.1.3.8.01S.122.70E, h231km, 9km, mb3.5/4, mbtmp3.5/6, ML3.2/2, MS3.3/1, Error ellipse: s-maj=54.6km s-min=13.6km az=58.0

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



Table listing station names, coordinates, and various parameters for stations like STKA, JOW, NWA0, etc.

IDC 13 09:32:58.7+3.6,53.55N,90.79E,h0km,mbtmp3.3/3, ML2.7/3, Error ellipse: s-maj=28.5km s-min=23.9km

Table listing station names, coordinates, and various parameters for stations like I46RU, ZALV, ZALV, etc.

SOME 13 09:33:42.2, 43°53'N, 82°62'E, h10km

NNC 13 09:33:43.1+4.7, 43.747N, 82.62E, h0km, mb3.6, mpv3.3, 2D, Error ellipse: s-maj=35.3km s-min=30.9km az=2.0, Northern Xinjiang

Table listing station names, coordinates, and various parameters for stations like DJR, DJR, DJR, etc.

NEIC 13 09:55:57.0+2.5, 6°12'S, 0°07'105;38E=0.08, h104km, gkm, mb4.3/16, Error ellipse: s-maj=12.1km s-min=9.4km az=60.0

DJA 13 09:55:56.8+0.3, 6°S, 4°10'E, h145km, 5km, M4, 7/18, mb4.9/6, mB5.4/3, MLV4.5/18, Mw(mB)4.9/3

IDC 13 09:56:03.4+1.3, 6.33S, 105.80E, h150km, 9km, mb3.6/8, mbtmp4.0/8, MS3.7/1, Error ellipse: s-maj=24.5km s-min=13.0km az=21.0

ISC 13 09:55:56.8+0.5, 6.13S, 0°07'105;55E=0.05, h100km, n63, +256/60, mb4.1/14, Sunda Strait

Table listing station names, coordinates, and various parameters for stations like SBJJ, TNG, KASI, etc.

Table listing station names, coordinates, and various parameters for stations like DSRI, PPSI, PWJI, etc.

Table listing station names, coordinates, and various parameters for stations like PSAO, FITZ, KNRA, etc.

WBA2 Warramunga Arr 31.14 119 P P 10 02 05.2 -1.3

Table listing station names, coordinates, and various parameters for stations like ASAR, ASAR, ASAR, etc.

AS31 Alice Springs 32.37 126 P P 10 02 16.6 -0.5

Table listing station names, coordinates, and various parameters for stations like AS71, PZH, PZH, etc.

COEN Coen 37.81 105 P P 10 03 02.6 -1.3

STKA Stephens Creek 42.29 132 P P 10 03 40.9 +0.2

STKA Stephens Creek 42.29 132 P P 10 03 40.6 -0.1

H04N2 CROZET ISLANDS 60.99 920 T T 11 11 03.3

H04N1 CROZET ISLANDS 61.00 220 T T 11 11 03.8

H04N3 CROZET ISLANDS 61.01 220 T T 11 11 04.1

ZAA0 Zalesovo Arr 62.35 346 P P 10 06 07.4 -1.1

ZAA0 Zalesovo Arr 62.35 346 P P 10 06 22.1

ZALV Zalesovo Beam 62.35 346 P P 10 06 08.3 -0.3

MAW Maxwellton 67.78 196 P P 10 06 44.9 +1.4

MAW Maxwellton 67.78 196 P P 10 06 44.7 +1.2

RPZ Rata Poles 68.16 135 LR LR 10 35 47.3

VNDA Vanda 77.08 169 P P 10 07 38.5 -0.2

QSPA South Pole Qui 83.85 180 P P 10 08 15.1 -0.1

QSPA South Pole Qui 83.85 180 P P 10 08 14.8 -0.4

SNA4 Snae 89.92 197 P P 10 08 45.0 +0.6

SNA4 Snae 89.92 197 P P 10 08 45.1 +0.7

CNRM 13 10:10:16.4, 35°75'N, 3°54'W, h16km, ML2.8

MDD 13 10:10:17.5, 0.3, 35°65'N, 3°64'W, h0km, mb\_Lg2.8/16, Error ellipse: s-maj=3.3km s-min=2.5km az=23.0

INMG 13 10:10:17.9, 1.6, 35°69'N, 3°64'W, h2km, ML2.1, Error ellipse: s-maj=3.6km s-min=2.8km az=65.0

SFS 13 10:10:19.1, 35°67'N, 3°51'W, h24km, ML3.1/10, ML3.2/10, MLV3.1/10

ISC 13 10:17.5-1.1, 35.588N, 0°02'3.59W=0.03, h15km, gkm, n58, +124/81, Strait of Gibraltar

Table listing station names, coordinates, and various parameters for stations like PALE, PALE, WMEL, etc.

Table listing station names, coordinates, and various parameters for stations like ECAB, ECAB, EMUR, etc.

Table listing station names, coordinates, and various parameters for stations like PVAQ, PVAQ, PVAQ, etc.

IDC 13 10:16:51.5-1.1, 30°94'N, 103°25'E, h0km, mb3.4/7, mbtmp3.4/8, ML3.6/1, Error ellipse: s-maj=35.1km s-min=23.1km az=57.0

ISC 13 10:16:53.2, 0.9, 31°01'N, 103°33'E=0.12, h0km, n8, +9/72, mb3.6/7, Sichuan

Table listing station names, coordinates, and various parameters for stations like CMAR, CMAR, CMAR, etc.

KSRS Kurchatov Arr 21.33 36 P P 10 21 04.6 +0.3

MKAR Makanchi Array 22.61 320 P P 10 21 54.3 +0.3

KURBB Kurchatov Arr 26.91 324 P P 10 22 34.1 -0.2

WRA Warramunga Arr 58.78 145 P P 10 26 51.0 -0.7

ASAR Alice Springs 61.77 148 P P 10 27 11.6 -0.6

YKA Yellowknife Ar 82.00 17 P P 10 29 13.8 +0.7

TORD Tori Ar. Bea 93.00 287 P P 10 30 06.6 -0.8

SJA 13 10:46:43.1+0.5, 19°92'S, 69°28'W, h109km, 2km, ML3.9, MW3.8

NEIC 13 10:46:43.8+1.8, 19°94'S, 0°04'69°27'W, h108km, 5km, mb4.1/8, Error ellipse: s-maj=9.5km s-min=6.2km az=99.0

IDC 13 10:46:44.6+1.6, 19°89'S, 69°05'W, h113km, 15km, mb3.5/5, mbtmp3.9/8, Error ellipse: s-maj=30.4km s-min=13.4km az=100.0

GUC 13 10:46:44.5+0.7, 19°93'S, 69°24'W, h105km, 2km, ML3.9

VAO 13 10:46:47.2+0.6, 19°92'S, 69°01'W, h137km, mb4.3

ISC 13 10:46:43.3+0.6, 19°94'S, 0°03'69°23'W=0.05, h107km, 5km, n113, +119/139, mb3.7/4, 12C, Northern Chile

Table listing station names, coordinates, and various parameters for stations like PB08, PB08, PB08, etc.

IPOC Station P 0.21 160 eP Sn 10 46 59.0 +0.1

IPOC Station P 0.21 160 eP Sn 10 47 12.6 +0.6

IPOC Station P 0.21 160 eP Sn 10 47 11.6 +1.0

IPOC Station P 0.21 160 eP Sn 10 47 13.1

IPOC Station P 0.21 160 eP Sn 10 46 59.8 +0.8

IPOC Station P 0.21 160 eP Sn 10 47 12.0 +1.4

IPOC Station P 0.21 160 eP Sn 10 47 12.6

Chusmiza 0.27 8 Pn 10 46 59.7 +0.4

Chusmiza 0.27 8 Pn 10 47 19.8 +0.8

Chusmiza 0.27 8 Pn 10 46 59.6 +0.4

Chusmiza 0.27 8 Pn 10 47 13.4 +0.4

Chusmiza 0.27 8 eP Sn 10 46 59.8 +0.6

IPOC Station P 0.44 294 eP Sn 10 47 12.2 +1.1

IPOC Station P 0.44 294 eP Sn 10 47 11.5 +0.2

IPOC Station P 0.44 294 eP Sn 10 47 00.1 +0.5

IPOC Station P 0.44 294 eP Sn 10 47 12.0 +0.2

IPOC Station P 0.44 294 eP Sn 10 47 12.1 +0.3

IPOC Station P 0.44 294 eP Sn 10 47 12.1 +0.3

Humberstone 0.70 241 Pn Pn 10 47 01.0 -0.5

Humberstone 0.70 241 Pn Pn 10 47 15.4 +0.2

Humberstone 0.70 241 Pn Pn 10 47 02.0 +0.4

Humberstone 0.70 241 Pn Pn 10 47 15.6 +0.4

Humberstone 0.70 241 eP Pn 10 47 01.9 +0.4

Humberstone 0.70 241 eP Pn 10 47 16.0 +0.8

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like Punta Patache, IROC Station P, IROC Station P, IROC Station P, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like H11N2 WAKE ISLAND Hy27.42 280, H11N1 WAKE ISLAND Hy27.42 280, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like D24K comp=2.4,1nm,1.4s, E25K Arctic Village, B22K Teshekpuk Lake, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like OMEGA Omega, NEEM North Greenlan, etc.

JMA 13 10:58:40.6, 0.1, 23.2N, 0.7, 121.9E, 0.6, h43km, MV2.8/12, TAIWAN REGION

TAP 13 10:58:40.6, 23.20N, 121.94E, h40km, ML3.1, D

ISC 13 10:58:38.5, 1.1, 23.18N, 0.02, 121.95E, 0.02, h19km, 3km, n12, c0672/174, Taiwan

Main station list table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists numerous stations like ECBN Changbin, CHKH Chenggong, etc.

Main station list table (continued) with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like EIOS3, EAHA Aohu, SMLT Sun Moon Lake, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WJGTS Kuro-shima, PHUB Penghu, etc.

MIRAS 13 11:32:12.0, 56.98N, 61.59E, h0km, ML3.4/9, NNC 13 11:32:20.1, 2.5, 56.44N, 62.01E, h0km, mb3.2, mpv2.9, Error ellipse: s-maj=2.2km s-min=10.1km az=158.0

ISC 13 11:32:11.8, 1.7, 57.01N, 0.04, 61.65E, 0.05, h5km, 11km, n12, c1925/23, 4C-1D, Ural Mountains region

Main station list table (continued) with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like SVE Sverdlovsk, KAUR Kamensk Uralsk, etc.

IDC 13 11:36:36.6, 8.7, 5.68S, 150.52E, h83km, 60km, mb3.2/2, mbtmp3.6/3, ML1.4/1, Error ellipse: s-maj=127.6km s-min=57.6km az=122.0, New Britain region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PMG Port Moresby, WRA Warramunga Arr, etc.

AUST 13 11:56:51.7, 1.1, 30.55S, 121.26E, h0km, Error ellipse: s-maj=11.4km s-min=10.1km az=6.0

NOU 13 11:56:52.6, 0.8, 30.67S, 121.25E, 0.05, h10km, n26, c058/37, 2D, Western Australia

Main station list table (continued) with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like KMBL Kambalda, KLBR Kellerberrin, etc.



Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like MORV Morava, RKGY Rocky Gully, etc.

13d 12:00:45.2, 7.0, 17.81S: 178.53W, h484km, 8.4km, mb3.3/10, mbtmp4.1/10, Error ellipse: s-maj=26.8km s-min=22.7km az=33.0

NEIC 13 12:00:54.1, 1.4, 17.8S: 0.2x178.7W, 0.1, h585km, 10km, mb4.3/34, Error ellipse: s-maj=28.9km s-min=14.1km az=160.0

ISC 13 12:00:54.8, 0.6, 17.9S: 0.1x178.77W, 0.10, h600km, n50, s103.50, mb4.2/28, Fiji Islands region

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like MVSF Nonsavu, NIUE Niue, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like ARMA Armadale, CTAO Charters Tower, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like AS31 Alice Springs, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like FORT Forrest, KNRA Kununurra, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like N25K Chitina, M24K Tolsona, etc.

BER 13 12:16:04.9, 0.8, 67.81N: 33.23E, h0km, ML1.9, Suspected explosion
HEL 13 12:16:05.2, 0.1, 68.13N: 33.10E, h0km, ML1.5, Explosion
KOLA 13 12:16:05.8, 68.08N: 33.11E, h0km, ML2.1, Error ellipse: s-maj=4.9km s-min=3.8km az=60.0, Olenegorsk City, Mines

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like APA0 Apatity Array, ARA0 Apatity, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like KEV Kevo, ARA0 ARCESS Array S, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like HEF Hetta, KTK1 Kautokoine, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like LANU Lannavaara, MASU Masugnsbyn, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like FAUS Fauske, FINES FINESS Array B, etc.

TAP 13 12:27:02.6, 24.06N: 120.96E, h14km, 1km, ML0.9, 1C-2D, B, Taiwan

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like VABB Valinhos, VABB Paraibuna, etc.

NEIC 13 12:49:43.9, 1.9, 50.64N: 0.02x101.71W, 0.10, h1km, 2km, mb3.9/2, mb\_Lg3.3/26, mb\_Lg3.4(OTT), Error ellipse: s-maj=10.9km s-min=3.0km az=252.0

OTT 13 12:49:44.5, 0.1, 50.66N: 101.78W, 0.1, h1km, MN3.9, OTT 20km east from Esterhazy, Sk. Felt Felt in Gerald, Sk. Induced.

ISC 13 12:49:45.0, 0.9, 50.55N: 101.76W, h0km, mb3.0, mbtmp3.4/9, ML3.8/6, Error ellipse: s-maj=16.3km s-min=11.2km az=172.0

ISC 13 12:49:42.2, 0.7, 50.72N: 0.06x101.69W, 0.05, h0km, n99, s187/96, Manitoba

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like DGMT Dagmar, MDND Maddock, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like ULM Lac du Bonnet, ULM Lac du Bonnet, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like ULM Lac du Bonnet, ULM Lac du Bonnet, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like ULM Lac du Bonnet, ULM Lac du Bonnet, etc.

OSUNB 13 12:28:45.0, 0.3, 27.74S: 47.75W, h0km, mR3.6/10, Error ellipse: s-maj=2.2km s-min=2.3km az=0.0
VAO 13 12:28:48.3, 27.82S: 47.75W, h10km, 3km, mbR3.7
NEIC 13 12:28:57.5, 1.4, 27.66S: 0.07x48.7W, 0.1, h10km, 2km, mb\_Lg3.2/3, Error ellipse: s-maj=25.2km s-min=4.0km az=118.0





13d 13h

Table with columns: QIS, Mount Isa, 37.29 283 P, P, 13 45 05.8 0.0, SNAA, comp=Z,29nm,1.1s, pmax, pmax

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Table with columns: VNA3, Neumayer Olymp, 73.39 177 J P, P, 13 49 23.7 +0.9, VNA3, comp=Z,19nm,0.2s, J P, P, 13 50 02.2 -1.3

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Table with columns: BR131, Keskin Array S, 152.08 289, PKIKP, PKPdf, 13 57 41.5 +3.1

IDC 13 13:38:30.7-1.9, 40.77N;30.71E, h06km, mb3.6/2, mbtm3.6/5, ML3.5/3, MS2.8/2, ETE, ellipsc: s-maj=35.4km s-min=7.6km az=47.0

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time Res, KAYN, Sakarya, Kayna, 0.38 290, Op, P, 13 38 41.0 -0.1

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like Corlu, Keskin Array S, Keskin Array B, etc.

NNC 13 13:43:53.6:2.1, 367.71N-70.91E, h135km, 34km, mb3.0, m-pv3.8, 6C-2D, Error ellipse: s-maj=20.4km s-min=16.2km az=140.0, Hindu Kush region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like AAK, TKM2, TKM2, etc.

JMA 13 14:05:36.9:0.2, 24.22N, 103.1233E, 0.4, h18km, 11km, MV0.5/5, NEAR ISHIGAKIJIMA ISLAND, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like ENA, ENA, EWUT, EWUT, etc.

SOME 13 14:08:05.1, 41.68N, 81.25E, h15km, NNC 13 14:08:06.3:1.7, 41.68N-81.12E, h0km, mb3.6, mpv3.1, 3C, Error ellipse: s-maj=13.0km s-min=11.0km az=51.0, Southern Xinjiang

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

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like BLB, KOTS, KOTS, etc.

WEL 13 14:10:30.3:0.6, 32.5S, 107.180W, 2.6, h318km, 12km, M3.9/2.1, mB4.5/15, ML4.9/29, MLv4.7/21, Mw(mB)3.6/15, Error ellipse: s-maj=0.0km s-min=0.0km az=110.7, confirmed, Kermadec Islands region

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

IDC 13 14:10:47.3:3.4, 1.079S, 165.75E, h68km, 28km, mb4.0/12, m-pv4.3/13, ML5.5/2, MS3.6/44, E, ellipse: s-maj=23.5km s-min=17.5km az=93.0, NEIC 13 14:10:48.4:1.1, 1.079S, 165.80E, 0.1, h71km, 7km, mb4.7/41, Error ellipse: s-maj=15.8km s-min=2.7km az=92.0, NOU 13 14:11:08.6, 12.40S, 165.43E, h156km, mb4.8/15, Santa Cruz Islands

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

13d 14h

Table with columns: Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like QUENC, PINNC, PMG, EIDS, MANU, COEN, RAO, AUPHS, etc.

2018 APR

Table with columns: Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like M14K, N15K, K15K, YAK, SONMI, GSPA, QSPA, E19K, M26K, etc.

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Table with columns: Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like CARI, ICR3, VTRT, VTLA, etc.

UCR 13 14:11:51.7z 0.9, 10:36N;84.32W, h100km;3km, MW3.8
CATAC 13 14:11:52.6z 0.3, 10:34N;84.30W, h85km;3km, ML2.8
ISC 13 14:11:52.6z 1.5, 10:31N;84.04;84.32W;0.04, h97km;7km, n86, c048/108, Costa Rica

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CPMI, CPMI, CPMI, SOCE, etc.

ISC 13 14:29:33.5z 1.0, 34:35N;45:59E, h8km;12km, ML2.8
TEH 13 14:29:34.5z 34:35N;45:59E, h3km;32km, ML2.8
ISC 13 14:29:34.7z 1.1, 34:35N;0.04;45:59E;0.04, h7km;12km, n11, c095/16, Iran-Iraq border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like KGS1, KGS1, DHRH, etc.

Table with columns: AAK, Ala-Archa, 6.92 27 P, Pn, 14 50 22.9 +1.3, etc. Includes stations like Karagaybulak, Ulahol, Tokmak 2, etc.

ROM 13 14:56:06.8-0.1, 43.861N-0.0003-11.747E-0.0004, h8km, ML2.1/24, Error ellipse: s-maj=0.3km s-min=0.2km az=43.0, Central Italy

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h m s, Res, ISC. Includes stations like Asqua, Santa Sofia, Rufina, etc.

Table with columns: CRMI, Carmignano, 0.57 283 P, Pg, 14 56 18.3 +0.5, etc. Includes stations like Pietralunga, Monte Magliano, etc.

ROM 13 14:56:27.9-0.2, 43.065N-0.0005-13.068E-0.0005, h6km, ML0.4/6, Error ellipse: s-maj=0.6km s-min=0.3km az=342.0, Central Italy

Main station list table for the second section with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h m s, Res, ISC. Includes stations like Fiordimonte, Muccia, Frazio, etc.

IDC 13 14:58:02.0-1.0, 15.69N:92.48W, h152km, 7km, mb3.777, mbmp4.1/9, Error ellipse: s-maj=35.0km s-min=8.0km az=37.0

MEX 13 14:58:01.9-1.1, 15.60N:92.89W, h139km, 12km, MD4.6 NEIC 13 14:58:01.6-2.9, 15.61N:0.06-92.75W:0.06, h143km, 6km, mb4.3/23, MD4.6/45(MEX), Error ellipse: s-maj=10.3km s-min=6.5km az=48.0

CATAC 13 14:58:02.0-0.5, 15.74N:92.64W, h134km, 5km, mb4.6, ML4.4 GCG 13 14:58:07.2-0.5, 15.75N:92.30W, h84km, 41km, MD4.3

Main station list table for the third section with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h m s, Res, ISC. Includes stations like Pavencul, El Naranjo, Union Juarez, etc.

Main station list table for the third section with columns: GUMI, El Apazote, 2.35 104 P, Pn, 14 58 38.8 -2.0, etc. Includes stations like El Apazote, Orop, Pacaya, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LPAZ La Paz, PB16 IPOC Station P, YKA Yellowknife Ar, etc.

UCR 13 15:10:06.7±0.4, 8.07N-83.72W, h10km, 11km, MW4.1
CATAC 13 15:10:07.9±0.5, 8.21N-83.67W, h11km, 2km, ML3.6

Main table listing station data for the 13d 15h period. Columns include Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations like PIRO Carate, PURO Carate, etc.

NEIC 13 15:11:56.0±1.7, 17.34S-0.09-71.3W, 0.1, h78km, 11km,
mb4, 1/2, Error ellipse: s-maj=20.0km s-min=12.5km
az=110.0

Table listing station data for the NEIC period. Columns include Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like GO01 Chusmiza, TA02 Huastique, etc.

WEL 13 15:15:34.7, 43.34S-171.04E, h5km, ML3.9, Mw3.5,
Moment Tensor Solution. s5 Moment tensor: Mr-0.20;
Mbb12.58; Mbb-12.38; Mm-0.45; Mbb19.36; Mbr-2.18; Fault
plane solution: NP2=1234.000000°, 885.000000°,
λ-179.000000° NP2=164.000000°, 889.000000°,
λ-5.000000° Principal axes: T 23.2000, P1g3.0000,
Az=202.0000° Az=23.0000, P1g6=0.0000°, Az=332.0000°,
P-1.7000, P1g4.0000°, Az=119.0000°, SOUTH ISLAND
WEL 13 15:15:35.6±0.5, 43.33S-171.1E, h4km, 2km, M3.7/13,
ML3.9/13, MLv3.7/13 Error ellipse: s-maj=0.0km
s-min=0.0km az=18.6 confirmed

Table listing station data for the WEL period. Columns include Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like WEL 13 15:15:34.7, etc.

Table listing station data for the MHCZ period. Columns include Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like MHCZ Gaunt Creek Bo, GCSZ Arundel, etc.

JMA 13 15:17:24.5±0.3, 24°N-123°E, h25km, 2km,
MW1.8, NEAR ISHIGAKIJIMA ISLAND, Southwestern
Ishigaki jima

Table listing station data for the JMA period. Columns include Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like HATJ Hateruma jima, IRIF Iriomote-Funau, etc.



Table with columns: ECL, Taimali, 0.77 269, i P, Pn, 15 17 49.2 -0.1, etc. Includes stations like ECL, EYUL, EAST, etc.

NEIC 13 15:24:45.1±2.2,35.41N±0.01±118.55W±0.02, h5km±1km, Error ellipse: s-maj=3.0km s-min=2.6km az=12.0

ANF 13 15:24:45.3±0.1,35.41N±118.55W, h14km±1km, ML3.9/37, Error ellipse: s-maj=1.1km s-min=0.9km az=102.0

PAS 13 15:24:46.0±1.9,35.39N±0.01±118.55W±0.02, h5km±1km, Mw3.7/4, ML3.5/88(NEIC), Error ellipse: s-maj=2.5km s-min=1.7km az=134.0

ISC 13 15:24:45.5±0.8,35.42N±0.01±118.57W±0.01, h14km±6km, n125, o099/171, Central California

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TEJ, ISA, WAG, etc.

Main table with columns: OSI, Osoito Audit: C, 0.81 189, Sg, Pg, 15 25 11.2 -0.7, etc. Includes stations like OSI, WPM, BCW, etc.

Table with columns: TPFO, Pinon Flats, 2.51 135, P, Pn, 15 25 26.1 0.0, etc. Includes stations like PMD, BELC, SAO, etc.

RSNC 13 15:39:56.4±0.0,7°N,2°7'6"W±, h3km±2km, mb4.1, mB4.9, ML2.5, Mw(mb)4.2, Northern Colombia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DBBC, APAC, UREC, etc.

NEIC 13 15:44:28.6±2.4,20.8°S:0.1±177.7W±0.1, h50km±7km, mb4.5/89, Error ellipse: s-maj=18.8km s-min=14.6km az=128.0

IDC 13 15:49:29.5±1.9,20.77S:177.96W, h50km±19km, mb3.8/17, mbtmp4.6/19, Error ellipse: s-maj=15.8km s-min=13.2km az=124.0

ISC 13 15:44:27.8±0.4,20.91S:0.08±177.80W±0.08, h495km, n375, o096/354, mb4.5/66, 7C-3D, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MSVF, AFI, MARNC, etc.

13d 15h

Table with columns for station name, frequency, power, and other technical details. Includes stations like STKA, COEN, ASAR, WRO, WRA, JMM, JGF, JOW, MJAR, MAJO, MJB9, JMN, JTM, ATKA, JKA, PEAOB, PETK, KSRS, MONP2, USRK, IKP, ISA, PFO, TPFO, CWC, BELC, NJ2, MPMC, HEC, MPK, GMRC, IRM, YERR, KDOK, NVAR, P16K, M11K, N14K, PDMCI, P17K, O16K, N15K, P18K, P18K, O17K, M14K, M15K, N16K, O18K, P19K, N17K, L14K, BNX, BNX, R11B.

2018 APR

Table with columns for station name, frequency, power, and other technical details. Includes stations like BMN, O19K, M16K, M16K, ILSW, TUC, N19K, O20K, L15K, BRSE, N19K, L16K, M17K, K15K, K15K, SEW, M18K, U15A, Q23K, J14K, CAPN, O22K, N20K, L18K, L18K, M19K, L19K, G06A, SUA, J16K, CRAG, KAIM, GLI, SKT, EYAK, L20K, M22K, TTA, 121A, SIT, V35K, U33K, BMO, J18K, DUG, CUT, BMRM, SCM, WRAK, K20K, CRQE, LYN, G15K, N25K, CAST, CAST, CAST, HLD, TNA, WAT6, F14K, WAT1, P29M, H17K, CTG, VHRN, J20K, TRF, TRF, CHUM, O28M, RND, DHY, TXAR, BPAW, P30M, I20K, MCK, YUK8, M26K, ANMO, YUK6, S34M.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like SNA4, SNA4, YUK3, H19K, HYT, M27K, G18K, YUK4, H20K, Q32M, L26K, F17K, K24K, BVCY, I21K, I21K, NEA2, NEA2, O30N, MLY, MLY, WRH, G19K, N30M, HDA, HDA, L27K, L27K, BCAR, WHY, H21K, I23K, I23K, IMAR, E17K, COLA, MDM, SCRK, SCRK, IL31, ILAR, ILAR, P33M, O20A, R33M, M29M, M29M, N31M, F19K, F19K, H22K, J25K, J25K, POKR, E18K, G21K, G21K, H23K, K27K, PD31, PDAR, J26L, J26L, F20K, BOZ, M30M, M30M, L29M, C16K, E19K, E19K, SDCO, PRP, M31M, G22K, G22K, HHC, HHC, DAWY, G23K, I26K, EGAK, EGAK, T25A, K29M, K29M.

Table with columns: Station ID, Name, Frequency, Mode, Power, and other technical details. Includes stations like C18K Utukok River, F22K John River, G24K Hadweencic Riv, etc.

Table with columns: Station ID, Name, Frequency, Mode, Power, and other technical details. Includes stations like CLL Dobruska-Polom, DPC Liptovska Anna, G24K Berggiesshubel, etc.

Table with columns: Station ID, Name, Frequency, Mode, Power, and other technical details. Includes stations like TATO Taipei, TATO Taipei, NACB Ninganchiao, etc.



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CMAR Chiang Mai Arr, SONM Songino Array, WRA Warramunga Arr, ASAR Alice Springs.

ATH 13 16:09:48.0, 40.59N, 201.16E, h9km, 2km, ML2.6/3, Manual Solution by K.Orfanogiannaki This location: 2020/06/05 17:07:45 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 2 km; Longitude uncertainty: 2 km

Main table of seismic stations with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LSK Leskovik, SRN Sarande, FNA Florina, etc.

BULI 13 16:22:27.6, 0.0, 3.06N, 127.96E, h79km, mb4.6/37, mb4.9/16, Ms4.2/1 DJA 13 16:22:28.4, 0.5, 3.15N, 12.8E, h87km, 5km, M4.5/13, mb4.8/7, mb4.5/13, MLv4.8/12, Mw(mb)4.1/7 NEIC 13 16:22:28.6, 1.9, 3.14N, 0.07, 128.0E, 0.1, h75km, 1km, mb4.6/52, Error ellipse: s-maj=14.4km s-min=10.4km az=82.0

Main table of seismic stations (continued) with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LBMI Labuha, DAV Davao City (W), DAV Dav, KMSI Cibinong, SWI Sorong, SANI Sanana, etc.

Table of seismic stations (continued) with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WMQ WMO, PETK Petropavlovsk, ASAJ Asahikawa, etc.

Main table of seismic stations (continued) with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MKAR Makanchi Array, MKAR Makanchi Array, MA2 Magadan, KSH Kashi, etc.

Table of seismic stations (continued) with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CATAC 13 16:43:25.1, 0.4, 11.01N, 87.69W, h25km, ML3.6, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like CNCH Conchagua, JUCU Jucuarjn, BOAB BOAC380nm, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like BASI Baing, Sumba, PLAI Plampang, TWSI Taliwang, etc.

DJA 13 17:16:51.54; 4.1; 6.10; S; 10.1; 11.9E. h13km; 15km, M3.8/6, mb4.3/2, mb4.5/1, ML3.5/6, Mw(mB)3.7/1, Sumba Resonance

BULI 13 17:13:58.0; 0.0; 3.7; 10N; 32.00E; h5km, mb5.0/6.0, mb5.0/28, Ms4.5/21, Msr 4.3/22. MOS 13 17:13:59.9; 0.9; 3.7; 07N; 31.93E; h21km, mb5.1/62, Error ellipse: s-maj=4.1km s-min=3.0km az=91.1...

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like SEYD Seydisehir-KON, KEVZ Antalya-Kepez, SEDI Konya, Seydis, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like DOGA Konya, KRMM Karaman, ANTB Antalya, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like YORU Yoru-tepe-Mersin, OREN Orenkoy-Mersin, AKUM Antalya-Kumcul, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like KURO Konya-Cihanbey, SHUT Suhut-Afyon, KZIL Kizil, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like AKAS Akas, AKMS Akamas, AKMS Akamas, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like EREN Erzurum, DNIZ Denizli-Tavas, DNIZ Denizli, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like BR231 Keskin MP Arra, ANTO Ankara, ANTO Ankara, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like BR106 Keskin Array S, BR131 Keskin Array S, BR131 Keskin Array S, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like BEIL Hwaqa, HQW Hwaqa, BHL Bhannes, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, Band, and other technical details for stations 845.

Table with columns: Call sign, Name, Frequency, Mode, Power, Band, and other technical details for stations 2018 APR.

Table with columns: Call sign, Name, Frequency, Mode, Power, Band, and other technical details for stations 13d 17h.

Table with columns: Station, Frequency, Power, Mode, and other technical details. Includes stations like RNP88 Varash, VYHS Vyhne, CLTB Cattabellotta, etc.

Table with columns: Station, Frequency, Power, Mode, and other technical details. Includes stations like PRMA PARMA, PRA Prague, WTATA Wattenberg, etc.

Table with columns: Station, Frequency, Power, Mode, and other technical details. Includes stations like WLF Walferdange, ARBE Arbavere, BTNL Ternell, etc.





Table with columns for station ID, name, coordinates, and various performance metrics. Includes stations like TIXI, TSUM, ABPO, DGAR, EUNU, PZH, HHC, CM31, CMAR, WIN, XAN, CRAI, YAK, HIA, FRB, PHRA, LBTB, RER, RES, ENH, SLVN, BJI, SHEL, ZEA, POGA, BOSCH, BOS, BOSHA, HEH, CN2, BNX, KLR.

Table with columns for station ID, name, coordinates, and various performance metrics. Includes stations like NJ2, SEY, BILL, KULM, SUR, GSI, A36M, GRNR, GRNR, GRNR, GRNR, GRNR, IPM, MA2, USA0B, USRUK, USRUK, USRUK, USRUK, USRUK, A22K, C36M, A19K, KSAR, KSRK, KSRK, B22K, B22K, B20K, C26K, C23K, B18K, B21K, C24K, PDSI, D28M, C17K, D29M, D25K, C21K, D24K, C18K, C18K, C17K, C16K, D23K, D22K, D20K, INK, INK, E28M, E28M, D19K, FCC, FCC, E29M, HRV, RDOC, TOLK, TOLK, E21K, E20K, D17K, E27K, E22K, E25K, E25K, E23K, F30M, F31M, F31M, L61B, E18K, F28M, F28M, F26K, E19K.

Table with columns for station ID, name, coordinates, and various performance metrics. Includes stations like E17K, F25K, F22K, F24K, BMAR, G31M, G31M, G30M, F21K, YSS, YSS, YSS, COLD, F20K, G29M, F19K, G26K, F18K, G22K, F17K, F17K, G27K, G25K, EPYK, G23K, G23K, G24K, G21K, F15K, H29M, F14K, G19K, PAL, H27K, H31M, H31M, H25L, G18K, G18K, JNU, IMAR, YKA, YKA, YKA, G16K, G17K, H22K, H24K, H23K, G15K, H19K, H19K, SADO, I27K, H21K, H21K, I28M, H20K, I30M, I30M, I30M, ASAJ, PRP, PRP, GAMB, ANM, H18K, I26K, H17K, H16K, I21K, I23K, POKR, MLY, MLY, J30M, GCSA, MDM, I20K, I20K, EGAK, EGAK, COLA, ILAR, ILAR, ILAR, J25K.

Table with columns: ID, Name, Az, El, SNR, AzErr, ElErr, AzRate, ElRate, AzRateErr, ElRateErr. Rows include NEA2, J20K, K29M, etc.

Table with columns: ID, Name, Az, El, SNR, AzErr, ElErr, AzRate, ElRate, AzRateErr, ElRateErr. Rows include N32M, N30M, SCM, SML, M23K, etc.

Table with columns: ID, Name, Az, El, SNR, AzErr, ElErr, AzRate, ElRate, AzRateErr, ElRateErr. Rows include OXF, NEW, BDFB, KSCO, etc.

Table with columns: Station Name, Time, Res, and various status indicators. Includes stations like CMSA Cobar Meteorol, TV1H Townsville Har, CTAO Charters Tower, etc.

Table with columns: Station Name, Time, Res, and various status indicators. Includes stations like NVAR Mina Array Bea, NVAR Mina Array Bea, NV11 Minivay Sit, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LTZ Lake Taylor, INZ Inchbonnie, OXZ Oxford, etc.

WEL 13 17:21:56.1, 43°S 5°17'E, h10km, 10km, M2.3/7, ML2.5/14, MLV2.3/7, Error ellipse: s-maj=0.0km, s-min=0.0km az=0.0

IDC 13 17:26:57.0, 11.0, 25.01S: 179.98W, h436km, 114km, mb2.4/2, mbmp3.6/3, Error ellipse: s-maj=92.0km, s-min=40.3km az=28.0

ISC 13 17:26:57.8, 1.8, 25.15S: 101.180W, 0.3, h450km, n6, 5.3, South of Fiji Island

ISK 13 17:55:47.7, 37.07N: 31.95E, h11km, ML4.5/26 AFAD 13 17:55:47.8, 0.0, 37.09N: 31.96E, h10km, 3km, MW4.4

MOS 13 17:55:47.8, 0.9, 37.08N: 32.02E, h1km, 2km, MA.3/17 Error ellipse: s-maj=5.3km, s-min=3.6km az=98.6

MED\_RC 13 17:55:48.0, 0.4, 37.07N: 31.95E, h30km, MW4.4/12, Moment Tensor, Mantle waves: s12, c19; Duration: 190

MCSM 13 17:55:50.3, 0.3, 37°N 3°22'E, h24km, 3km, mb4.6, hB4.9, MLV4.4, Mw(B4.1)

NEIC 13 17:55:50.1, 37.06N: 31.97E, h16km, s-maj=7.0km, s-min=2.8km az=174.0, Moment Tensor

HLW 13 17:55:53.1, 36.65N: 31.67E, h6km, qkm, Md4.9, Md4.5

BEIO 13 17:55:56.2, 1.0, 37.76N: 32.15E, h0km, ML4.0/2 NAO 13 17:55:57.1, 2.9, 37.72N: 30.54E, h33km, mb4.0

ISC 13 17:55:48.3, 0.6, 37.10N: 0.31, 31.98E, 0.01, h16km, 4km, n592, 1.68/645, mb4.5/92, MS3.4/12, 39C-20D, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SEYD Seydisheir-KON, KEYZ Alanya-Kepez, FINES FINESS Arr, etc.

Table with columns for station name, frequency, class, type, and signal strength. Includes stations like ALIN Konya, Altinte, Kadinhani, etc.

Table with columns for station name, frequency, class, type, and signal strength. Includes stations like KARP Karpathos, KARP Karpathos, etc.

Table with columns for station name, frequency, class, type, and signal strength. Includes stations like SEV Sev, SEV Sev, SEV Sev, etc.

Table of astronomical observations for 13d 17h. Columns include object names (e.g., CUC, MAK, MORH), coordinates, magnitudes, and other parameters.

Table of astronomical observations for 2018 APR. Columns include object names (e.g., CLL, CLM, SLE), coordinates, magnitudes, and other parameters.

Table of astronomical observations for 2018 APR. Columns include object names (e.g., GAR, BTK, BRVK), coordinates, magnitudes, and other parameters.

Table with columns: Code, Station Name, Azimuth (Az), Azimuth Error (AZ'), Phase ID, Time (h:m:s), Residual (Res), and other station-specific data. Includes stations like Ulanbaatar, BOD, OPO, etc.

Code Station Name Az Az' Phase ID Time Res Res ISC h m s ISC

DJA 13 17:56:57.9, 0.5, S, 4.13, 13.0E, h216km, 6km, M3.9/6, mb3.6/3, mB4.4/1, ML4.0/6, Mw(mb)4.0/6, Banda Sea

Table with columns: Code, Station Name, Azimuth (Az), Azimuth Error (AZ'), Phase ID, Time (h:m:s), Residual (Res), and other station-specific data. Includes stations like WRA, ASAR, H11S3, etc.

IDC 13 18:25:38.9, 1.8, 10.63S, 165.45E, h0km, mb3.6/3, mbmp3.7/4, ML4.0/1, Error ellipse: s-maj=54.1km

Table with columns: Code, Station Name, Azimuth (Az), Azimuth Error (AZ'), Phase ID, Time (h:m:s), Residual (Res), and other station-specific data. Includes stations like DZM, H11S2, H11S1, etc.

IDC 13 18:50:05.0, 0.1, 6.13S, 143.13E, h0km, mb3.9/5, mbmp4.0/7, ML1.6/1, MS3.5/1, Error ellipse: s-maj=35.9km

Table with columns: Code, Station Name, Azimuth (Az), Azimuth Error (AZ'), Phase ID, Time (h:m:s), Residual (Res), and other station-specific data. Includes stations like TABU, GENI, PMG, etc.

WEL 13 18:51:15.8, 0.7, 34.5S, 17.9W, h126km, 23km, M4.1/18, mB4.7/6, ML4.5/13, ML4.2/18, Mw(mb)4.0/6, Error ellipse: s-maj=0.0km s-min=0.0km az=115.4, confirmed, South of Kermadec Islands

Table with columns: Code, Station Name, Azimuth (Az), Azimuth Error (AZ'), Phase ID, Time (h:m:s), Residual (Res), and other station-specific data. Includes stations like MXZ, WNGZ, PKGZ, etc.

Table with columns: Code, Station Name, Azimuth (Az), Azimuth Error (AZ'), Phase ID, Time (h:m:s), Residual (Res), and other station-specific data. Includes stations like KRJV, KRKZ, NNWZ, etc.

BUI 13 18:59:59.0, 0.0, 43.27N, 145.86E, h56km, mb5.1/87, mB5.3/61, Ms4.7/93, Ms7.4/68

Table with columns: Code, Station Name, Azimuth (Az), Azimuth Error (AZ'), Phase ID, Time (h:m:s), Residual (Res), and other station-specific data. Includes stations like DZM, H11S2, H11S1, etc.

MOS 13 19:00:40.0, 4.9, 43.20N, 145.75E, h62km, mb5.5/93, MS5.1/24, Error ellipse: s-maj=5.3km s-min=3.4km az=116.8

Table with columns: Code, Station Name, Azimuth (Az), Azimuth Error (AZ'), Phase ID, Time (h:m:s), Residual (Res), and other station-specific data. Includes stations like TABU, GENI, PMG, etc.

AKK 13 19:00:01.9, 4.3, 19N, 145.74E, h53km, MW5.4, Moment Tensor Solution, s3 Moment tensor: Scale 10^17Nm

Table with columns: Code, Station Name, Azimuth (Az), Azimuth Error (AZ'), Phase ID, Time (h:m:s), Residual (Res), and other station-specific data. Includes stations like NEMZ, NNWZ, KRKZ, etc.

Table with columns for station code, name, frequency, and other technical details. Includes stations like JTKR, JCH, JMH, JJK2, etc.

Table with columns for station code, name, frequency, and other technical details. Includes stations like YSS, JKEN, JSR, JHST, etc.

Table with columns for station code, name, frequency, and other technical details. Includes stations like USA0B, USA0B, USA0B, etc.



Table with columns for flight codes (e.g., CN2, KRSR, INCN), destinations (e.g., Beijing, Seoul, Tokyo), times, and status indicators (e.g., S, P, Pn).

Table with columns for flight codes (e.g., BJI, BJT, SSE), destinations (e.g., Beijing, Taipei, Sheshan), times, and status indicators (e.g., P, Pn, S).

Table with columns for flight codes (e.g., WHN, WUHAN, ATKA), destinations (e.g., Wuhan, Atka Island, Suanglung), times, and status indicators (e.g., P, Pn, S).



Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like CO2K, NEA2, MCK, SEM, etc.

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like MKAR, J26L, BMRM, I26K, etc.

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like H29M, G29M, MND, O28M, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like CHKK Chushkaly, LUWI Luwapa, WHY Whitehorse, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like ARLS Aral, CRAG Craig, BKB Balikpapan, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like IPM comp=Z,80nm,1.7s, BBB Bella Bella, MYKOM Kota Tinggi, etc.





Table with columns for station call letters, name, frequency, and other technical details. Rows include LEWI, GORT1, MFTR, ENHI, TRNA, DOPR, OKC, etc.

Table with columns for station call letters, name, frequency, and other technical details. Rows include ANTO, ANKO, ANKA, ANTR, ANTA, ANTR, etc.

Table with columns for station call letters, name, frequency, and other technical details. Rows include 121A, 121A, RONA, GAL1, GERES, GERES, etc.

Table with columns for station call letters, name, frequency, power, and other details. Includes stations like MMAI Mount Meron Ar, A051A Mrakovica, THAS Thassos island, etc.

Table with columns for station call letters, name, frequency, power, and other details. Includes stations like AXAR Agios Charalam, SENIN La Senin/Sane, MAKR Makrakomi, etc.

Table with columns for station call letters, name, frequency, power, and other details. Includes stations like WHTX Lake Whitney, O49A Covington, J55A Hilton, etc.



Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Y52A, KM5C, KM5C, PAULI, etc.

PRU 13 19:10:10.1,51:39N;16:10E, h0km, Poland

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CHVC, UPIC, PANSKA, etc.

SKO 13 19:11:33.8,42:43N;21:52E, h13km, ML1.9

BEO 13 19:11:35.4,0.5,42:48N;21:57E, h3km,4km, ML1.8/6,2C, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PRVS, BARS, SKO, BOSS, SELS, etc.

Table with columns: SELS, ZAVOJ, KRUPNIK, VALANDROV, etc. Includes station names and coordinates.

IDC 13 19:14:31.1,5,2,570S;142:38E, h0km, mb3.4/1, mbtm3.4/3, ML3.3/2, Error ellipse: s-maj=177.4km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA, ASAR, MKAR, etc.

IDC 13 19:21:08.4,1.2,34:28N;26:62E, h0km, mb3.5/7, mbtm3.4/11, ML3.1/4, Error ellipse: s-maj=26.6km

AFAD 13 19:21:11.8,0.0,34:40N;27:28E, h6km,4km, ML3.0, ATH 13 19:21:12.4,34:55N;26:58E, h10km,4km, ML2.8/5, Error ellipse: s-maj=6.6km s-min=2.8km az=7.0

THE 13 19:21:17.5,34:94N;26:46E, h8km,1km, ML2.4/4, Error ellipse: s-maj=2.8km s-min=0.8km az=341.0

ISC 13 19:21:09.3,1.7,34:44N;0:06,26.61E;0:03, h5km,10km, n43,±234/65,mb3.5/7,Crete

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ZKR, FRMA, KARP, KSTL, etc.

ARG comp=N,490um,0.4s 2.16 35 P Pn 19 21 48.2 +2.2

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ARG, DAT, APZE, etc.

Table with columns: KKBE, GULN, KERG, MMAL, BRTR, EIL, EIL, KBZ, ESDC, GEYT, TORD, ARCES, KURBS, MKAR, SONM. Includes station names and coordinates.

VAO 13 19:22:46.6,0.4,21:49S;68:27W, h122km, mb4.6

IDC 13 19:22:47.6,0.7,21:16S;68:17W, h116km,7km, mb4.0/12, mbtm4.3/17, MS3.5/1, Error ellipse: s-maj=16.2km s-min=9.9km az=99.0

NEIC 13 19:22:47.6,1.6,21:59S;0:04,68:47W;0:07, h135km,7km, mb4.4/19, Error ellipse: s-maj=10.0km s-min=3.4km az=62.0

GUC 13 19:22:48.7,0.8,21:60S;68:41W, h124km,5km, ML4.2

SJA 13 19:22:48.2,1.7,21:49S;68:30W, h100km, ML4.0, MW4.0

ISC 13 19:22:47.0,0.6,21:58S;0:03,68:40W;0:04, h123km,5km, n156,±183/18,mb4.4,19,10C-6D, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PB09, LVC, AF01, etc.

Table of station data for the 13d 20h period, including station ID, name, location, and various parameters like frequency and power.

Table of station data for the 2018 APR period, including station ID, name, location, and various parameters like frequency and power.

Table of station data for the 864 period, including station ID, name, location, and various parameters like frequency and power.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ASAR Alice Springs, ZALV Zalesko Beam, J14K Nanvaranak Lak, etc.

TRN 13 21:05:27.7, 17.49N:61.71W, h28km, MD3.6, Near South-east of Barbuda, Leeward Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ANDO Antigua, Disas, ANBD Bethesda, etc.

TAP 13 21:13:00.5, 23.25N:121.64E, h28km, ML1.0, D, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ECBN Changbin, CHKH Chenggong, CHKH Chengkung, etc.

NNC 13 21:28:13.4, 1.9, 39.97N:75.68E, h0km, mb3.6, mpv3.3, Error ellipse: s-maj=14.1km s-min=9.4km az=159.0

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

Main table with columns: SFK, Sufi-Kurgan, Azimuth, Phase ID, Time, Res. Includes stations like SFK Sufi-Kurgan, ARLS Ara-Say, OHH Osh, etc.

Table with columns: KOTS, Kotrybulak, Azimuth, Phase ID, Time, Res. Includes stations like KOTS Kotrybulak, TRKS Terk-Say, KRBS Karabastau, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like BAIF, WACR, LUNU, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like MCD, BGF, SKAR, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like KUR, KUR, KUR, etc.

Table with columns for station codes (e.g., UGL, JCH, JAB), call signs, frequencies, and signal strength/quality indicators. Includes stations like Ashibetsu, Tymoovskoe, Erimo, Okha, and various 'JMM' and 'KLB' entries.

Table with columns for station codes (e.g., KLR, USRK, USAOB), call signs, frequencies, and signal strength/quality indicators. Includes stations like Ussuriysk Ar., Matsu-Tunnel, Matushiro, and various 'JMM' and 'KLB' entries.

Table with columns for station codes (e.g., CIT, BOD, BJI), call signs, frequencies, and signal strength/quality indicators. Includes stations like Bodaibo, Beijing, Bajiatuau, Kunigami, and various 'JMM' and 'KLB' entries.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like N15K Kwethluk River, ZAK Zakamensk, O15K Ungalikthiuk R, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like E20K Nigu River, M19K Big River Lodg, H20K Anotleneega Mo, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like BWN Browne, I23K Minto, E23K Chandalar, etc.

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Table with columns: Station ID, Name, Frequency, Power, Mode, Status, and other technical details. Includes stations like FYU Fort Yukon, J25K Salcha River, KLU Klutina, etc.

2018 APR

Table with columns: Station ID, Name, Frequency, Power, Mode, Status, and other technical details. Includes stations like E29M Blow River, H29M Whitestone, G29M Pine Creek, etc.

13d 21h

Table with columns: Station ID, Name, Frequency, Power, Mode, Status, and other technical details. Includes stations like FARO Faro, Yukon, N32M Quiet Lake, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BVAR, BRVK, BRVU, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like NEEM, PMG, IUG, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like PAHR, PAHR, PAHR, etc.



Table with columns for station name, location, frequency, and various signal quality metrics. Includes stations like Hyderabad, Galich'ya Gora, Soedal, Kangerlussuaq, etc.

Table with columns for station name, location, frequency, and various signal quality metrics. Includes stations like NUIUK, NORSAR Array S, ISAL, Minsk, etc.

Table with columns for station name, location, frequency, and various signal quality metrics. Includes stations like EYMN, ASAR, IVI, GNI, etc.

Table with columns: Call Sign, Frequency, Power, Mode, and other details. Includes entries like BIDO, CLNZ, VLDR, WBK, DIKM, etc.

Table with columns: Call Sign, Frequency, Power, Mode, and other details. Includes entries like ESK, TLBR, GDLE, HHR, BSY, etc.

Table with columns: Call Sign, Frequency, Power, Mode, and other details. Includes entries like NEF, ROTZ, ROTZ, UMZA, etc.



Table with columns: Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like EPID Epidavros, MATE Mata, W50A Signal Mountai, etc.

Table with columns: Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DBIC Dimbokro, VDBA Vanda, SBA Scott Base, etc.

Table with columns: Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like az=189.0, IDC 13 22:14:43.9,4.2, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like KAIM Kayak Island, EYAK Cordova Ski Ar, FID Port Fidalgo, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like Q20K Shuyak Island, SVI Shuyak Island, O19K Cape Douglas, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like PNL Peninsula, LOGN Logan Glacier, N15K Kwehluh River, etc.

SOME 13 22:27:56.8, 41.15N:83.43E, h5km
N13 22:28:00.1, 2.8, 41.25N:83.38E, h0km, mb3.6, mpv3.2
Error ellipse: s-maj=22.1km s-min=17.6km az=22.0
ISC 13 22:27:56.7, 3.4, 41.2N:0.1:83.4E:0.1, h10km, n25,
c268/30, 6C-2D, Southern Xinjiang

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

NEIC 13 22:18:35.8, 1.9, 56.08N:0.08:150.07W:0.03, h10km, 2km,
ML3.3/44, ML3.3(AEIC), Error ellipse: s-maj=14.3km
s-min=3.3km az=172.0

AEIC 13 22:18:38.7, 1.9, 55.9N:0.1:150.0W:0.1, h12km, 7km,
Error ellipse: s-maj=15.5km s-min=9.3km az=170.0

ISC 13 22:18:34.8, 1.15, 0N:0.1:150.01W:0.06, h10km, n165,
c1502/163, Gulf of Alaska

KURK Kurchatov 10.11 342 llLg Lg 22 33 17.2

UCR 13 22:30:21.5, 0.6, 7.13N, 82.48W, h15km, 9km, MW4.4
UPA 13 22:30:25.3, 4.3, 8.7, 39N, 82.47W, h0km, 20km, MW4.4
CATAC 13 22:30:26.5, 3.0, 8.1, 39N, 82.05W, h0km, mb3.6/6,
mblmp3.7/7, ML3.9/1, MS3.2/3, Error ellipse:
s-maj=100.0km s-min=19.8km az=27.0

ISC 13 22:30:23.8, 1.5, 7.38N, 0.06E, 82.36W, 0.03, h9km, 9km, n85,
e=1840/109, mb3.7/6, South of Panama

Code Station Name Az AZZ Phase ID Time Res h m s ISC
LIMO3 Limones 0.87 325 eP Sb 22 30 40.8 -0.3
LMO3 Limones 0.87 325 eP Sb 22 30 53.2 +1.3

Code Station Name Az AZZ Phase ID Time Res h m s ISC
BRU2 Volcan 1.44 347 eP Sg 22 30 49.1 -1.1
BRU2 Volcan 1.44 347 eS Sg 22 30 49.1 -1.1
BRU2 Volcan 1.44 347 iS Sg 22 31 11.0 +0.8

Code Station Name Az AZZ Phase ID Time Res h m s ISC
BRU2 Volcan 1.44 347 eP Sg 22 30 49.1 -1.1
BRU2 Volcan 1.44 347 eS Sg 22 31 11.3 +1.1
BRU2 Volcan 1.44 347 iS Sg 22 31 11.3 +1.1

Code Station Name Az AZZ Phase ID Time Res h m s ISC
TOSI3 Tonosi 1.91 89 eP Sg 22 31 00.7 +0.4
TOSI3 Tonosi 1.91 89 eS Sg 22 31 28.3 +3.2
EDBA Buenos Aires 1.99 333 eP Sg 22 30 58.0 +0.4

Code Station Name Az AZZ Phase ID Time Res h m s ISC
SRBA San Rafael, Bu 2.09 332 iP IAML 22 31 08.0 -0.4
SRBA San Rafael, Bu 2.09 332 iS Sg 22 31 24.5 -0.7
SRBA San Rafael, Bu 2.09 332 eP Sg 22 30 58.7 -0.3

Code Station Name Az AZZ Phase ID Time Res h m s ISC
ABE2 San Pablo 2.85 324 eP Pn 22 31 10.0 +0.4
LCR2 La Lucha 2 2.85 325 iP IAML 22 31 10.1 +0.4
LCR2 La Lucha 2 2.85 325 iS Sg 22 31 12.2 +0.2

Code Station Name Az AZZ Phase ID Time Res h m s ISC
BATAN 2.88 340 eP Pn 22 31 09.9 +0.2
BATAN 2.88 340 iP Pn 22 31 12.2 +0.2
BATAN 2.88 340 iS Sg 22 31 48.2 -2.5

Code Station Name Az AZZ Phase ID Time Res h m s ISC
BATAN 2.88 340 eP Pn 22 31 11.9 +2.1
BATAN 2.88 340 iP Pn 22 31 11.3 +0.8
BATAN 2.88 340 iS Sg 22 31 47.2 +1.4

Code Station Name Az AZZ Phase ID Time Res h m s ISC
ZANG Zanguanga, Cho 2.92 57 eP Pn 22 31 15.1 -1.0
LCOCO El Coco 2.93 336 eP Pn 22 31 12.8 +2.2
CVTO Turrialba Volc 2.93 324 eP Pn 22 31 12.4 +1.2

Code Station Name Az AZZ Phase ID Time Res h m s ISC
CPMI Catarata Coopes 3.50 325 iP Pn 22 31 19.2 +0.5
CPMI Catarata Coopes 3.50 325 iS Sg 22 32 42.1
SOCE Pocosol 3.72 323 iP Pn 22 31 22.5 +1.0

ORTG Ortega, Santa 4.26 314 iP Pn 22 31 29.1 +0.2
ORTG Ortega, Santa 4.26 314 iS Sg 22 32 16.1 -2.7
ORTG Ortega, Santa 4.26 314 IAML 22 32 46.7

TOTI Tori 4.30 69 eP Pn 22 31 35.5 -4.1
HZTE Horizontes, Gu 4.60 316 iP Pn 22 31 35.5 +2.0
HZTE Horizontes, Gu 4.60 316 IAML 22 32 02.7

ATAH Atahualpa 19.65 165 LR LR 22 29 01.8
TXAR Lajitas Array 24.96 320 LR LR 22 50 35.4
H03N2 Juan Fernandez 40.73 176 T T 23 21 31.1

H03N1 Juan Fernandez 40.73 176 T T 23 21 32.7
H03N3 Juan Fernandez 40.74 176 T T 23 21 31.0
ULM Lac du Bonnet 44.20 348 P P 22 38 31.1 -1.9

NVAR Mina Array Bea 44.79 319 P P 22 38 39.8 +1.5
PLCA Paso Flores 49.10 168 LR LR 22 58 00.8
YKA Yellowknife Arr 59.83 343 P P 22 40 28.8 -0.5

ILAR Eielson Array 72.65 336 P P 22 41 53.2 +1.6
ESDC Sonseca Array 76.40 51 P P 22 42 14.6 +0.6
TORD Tori Array 82.60 78 P P 22 42 49.7 +1.6

H01W1 Cape Leeuwin H 148.69 207 T T 01 37 08.4
H01W2 Cape Leeuwin H 148.69 207 T T 01 37 07.4
H01W3 Cape Leeuwin H 148.20 207 T T 01 37 09.3

Code Station Name Az AZZ Phase ID Time Res h m s ISC
CNJI Cibinong 0.87 355 P Sg 22 37 09.4 +0.1
CNJI Cibinong 0.87 355 S Sg 22 37 20.5 +0.3
SKJI Sukabumi 1.33 331 P Pn 22 37 16.8 0.0

Code Station Name Az AZZ Phase ID Time Res h m s ISC
JGT2 ShimaneMisato 0.14 201 P Sg 22 48 26.4 0.0
JGT2 ShimaneMisato 0.14 201 S P 22 48 28.8 -0.1
JGT2 ShimaneMisato 0.14 201 P Sg 22 48 30.5 -0.1

Code Station Name Az AZZ Phase ID Time Res h m s ISC
WRA Warramunga Arr 14.14 163 Pn Pn 22 50 36.4 -0.1
WRA Warramunga Arr 14.14 163 S Sg 22 50 36.2 -1.2
ASAR Alice Springs 17.61 168 P Pn 22 58 55.7 -0.1

Code Station Name Az AZZ Phase ID Time Res h m s ISC
PDSI Padang 0.84 238 P Pn 23 51 27.2 +2.4
PDSI Padang 0.84 238 S Sg 23 51 33.4 +0.6
PDSI Padang 0.84 238 S Sg 23 51 50.6 +0.2

Code Station Name Az AZZ Phase ID Time Res h m s ISC
PHRA Phrae 20.70 359 P P 23 55 46.9 +1.5
CM31 Chiang Mai Arr 20.72 355 P P 23 55 46.1 +0.4
CMAR Chiang Mai Arr 20.72 355 P P 23 55 45.5 -0.2

WRA Warramunga Arr 37.20 121 P P 23 58 15.7 -0.4
WRA Warramunga Arr 37.20 121 P P 23 58 22.9

FORT Forrest 38.33 140 P P 23 58 21.4 -4.0
AS31 Alice Springs 38.48 126 P P 23 58 26.8 0.0
ASAR Alice Springs 38.48 126 P P 23 58 26.0 -0.8

ASAR Alice Springs 38.48 126 P P 23 58 27.1 +0.3
ASAR Alice Springs 38.48 126 P P 00 00 39.2 -0.1
HHC Hu-ho-hao-te 44.09 12 eP Sg 23 59 16.6 +3.9

WMQ Urumqi 47.40 347 eP Pmax 23 59 39.6 +0.9
KSH Kashi 47.44 334 pP Sg 23 59 55.0 -2.5
STKA Stephens Creek 48.40 132 P P 23 59 47.3 +0.7

DRK Karamyk 49.36 330 P Iamb 23 59 53.9 -0.3
BOOM Booms koye usch 49.92 336 P P 23 59 58.2 0.0
SONM Songoing Array 50.20 5 P Iamb 00 00 00.8

SONM Songoing Array 50.20 5 P P 23 59 60.0 -0.2
MK31 Makanchi Array 51.53 344 P Iamb 00 00 09.8 -0.4
MK31 Makanchi Array 51.53 344 P Iamb 00 00 11.1

MKAR Makanchi Array 51.53 344 P P 00 00 09.8 -0.3
MKAR Makanchi Array 51.53 344 P P 00 00 10.0 -0.1
MAKZ Makanchi 51.63 344 P Iamb 00 00 10.7 -0.2

KK31 Karatay Array 52.77 332 P Iamb 00 00 19.4 0.0
KK31 Karatay Array 52.77 332 P Iamb 00 00 36.0
KKAR Karatay Array 52.77 332 P P 00 00 19.1 -0.3

USRK Ussuriysk Ar. 54.10 27 P P 00 00 28.2 -0.8
USRK Ussuriysk Ar. 54.10 27 P P 00 00 28.5 -0.6
KURBB Kurchatov Arr 56.06 343 P P 00 00 42.9 -0.2

KURK Kurchatov 56.12 343 P Iamb 00 00 42.9 -0.6
GEYT Alibek 56.16 320 P P 00 00 44.1 -0.1
ZAAO Zalesovo Array 57.62 349 P P 00 00 53.7 -0.4

ZALV Zalesovo Beam 57.62 349 P P 00 00 53.0 -1.0
ZALV Zalesovo Beam 57.62 349 P P 00 00 53.6 -0.5
BVAR Borovoye Array 60.74 340 P P 00 01 14.8 -0.9

DJA 13 22:36:52.1, 0.4, 8.5, 3.3, 107E, h10km, M4.1/9, mb4.3/3,
ML4.0/9, Jawa

NIED 13 22:48:22.9, 35.19N, 132.57E, h13km, MW3.3, Moment
Tensor Solution. s3 Moment tensor: Scale 10^13Nm;
Mn:3.03; Mo:6.72; Mxx:-9.75; Mxy:-0.68; Myx:-1.81; Myz:1.97;

JMA 13 22:48:22.9, 0.0, 35.25N, 0.1, 132.5E, 0.1, h13km, MV3.5/20,
SHIMANE HIROSHIMA BORDER, Western Hemisphere

ADC 13 22:54:48.7, 2.5, 6.34S, 130.08E, h0km, mb3.4/1,
mblmp3.5/3, ML3.9/2, Error ellipse: s-maj=140.9km
s-min=33.3km az=70.0, Banda Sea

SJA 14 00:23:02.0, 0.8, 32.77S, 70.90W, h94km, 3km, ML3.5,
MW3.7

GUC 14 00:23:02.1, 0.8, 32.75S, 70.81W, h85km, 2km, ML3.7
ISC 14 00:23:02.3, 1.3, 32.76S, 0.03, 70.88W, 0.03, h80km, 6km,
n46, e085/84, Chile-Argentina border region

Code Station Name Az AZZ Phase ID Time Res h m s ISC
ROCH El Roble 0.24 208 eP Sg 00 23 14.7 0.0
ROCH El Roble 0.24 208 IAML 00 23 24.1 +0.3

Code Station Name Az AZZ Phase ID Time Res h m s ISC
VA03 San Esteban 0.27 92 eP Sg 00 23 14.1 -0.6
VA03 San Esteban 0.27 92 iS Sg 00 23 23.2 -0.5
VA03 San Esteban 0.27 92 eS Sg 00 23 23.0 -0.6

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations like Cerro Caljn, Torpederas, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations like Gaotai, WMQ, ZALV, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations like MNK, MNC, BRTR, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations like BJI, MOS, IDC, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations like FINES, MNC, MTK, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations like CO01, CO02, CO03, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like MT10, PEL, MT16, MT03, LME1, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like MANU, PMG, RABL, COEN, etc.

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

ISC 14 01:26:02.3, 1.5, 5.54S, 147.31E, h163km, 14km, mb3.7/14, mbmp4.2/16, Error ellipse: s-maj=25.0km s-min=11.1km az=98.0

ISC 14 01:26:04.6, 1.3, 5.51S, 0.07, 147.2E, 0.1, h170km, 7km, mb4.3/23, Error ellipse: s-maj=15.3km s-min=9.9km az=92.0

ISC 14 01:50:08.0, 0.7, 17.6S, 0.1, 143.3E, h100km, n64, mbmp4.4/9, Error ellipse: s-maj=22.5km s-min=19.1km az=93.0

ISC 14 01:50:08.0, 0.7, 17.6S, 0.1, 143.3E, h100km, n64, mbmp4.4/9, Error ellipse: s-maj=22.5km s-min=19.1km az=93.0





14d 2h

2018 APR

Table with multiple columns: Station ID, Name, Frequency, Class, Mode, Power, Azimuth, Elevation, and other parameters. The table lists various radio stations and their operational details for the month of April 2018.

Table with columns: TNA, TIN, SIT, INK, A22K, Q32M, R33M, DLBC, C36M, YKA, RES, KRSR, SONM, ZALV, EKA, BVAR, MK31, MKAR, ABKAR, etc. Includes station names, times, and various codes.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC. Includes ASAR, WRA, FINES, etc.

NEIC 14 02:46:34.1 ± 1.5, 381.03N, 0102:97.99W, h0km, mb3.3/2, mbtm3.3/2, Error ellipse: s-maj=284.5km s-min=65.0km az=163.0, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC. Includes R32A, KAN12, KAN06, etc.

Table with columns: AMTX, OGNE, R40A, N3BA, MGMO, K30B, DKNS, P40A, T25A, FCAR, CCM, SN07, X40A, ABTX, Q24A, POST, ECSD, ECSD, G20T, FVM, SLM, ISCO, Z41A, PHWY, L40A, CGM3, N23A, S44A, I37A, SIUC, Q44A, HDIL, OZNA, L42A, RSSD, JCT, MNH, JFWS, O44A, F33A, K22A, PECS, SPMM, SAND, DRIO, ALPN, VHRN, EPT, Z47A, TXAR, TXAR, PDAR, PDAR, PDAR, ULM, ULM, JHO, ASAR, ASAR, TORD, etc.

ISC 14 03:21:38.3 ± 2.9, 51.61S, 151.25E, h0km, mb3.8/2, mbtm3.9/3, ML2.2/1, Error ellipse: s-maj=112.0km s-min=37.4km az=124.0, New Britain region

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC. Includes PMG, WRA, ASAR, TORD, JMA, WRA, ASAR, TORD, etc.

2.2nm, 0.5s, baz=160, slow=11, SNR=9.8 ASAJ Ashikawaga 9.05 38 Pn 03 28 11.4 +1.0

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC. Includes IDC, DJA, NEIC, ISC, SMPI, GENI, JAY, FAKI, FAKI, FAKI, MPMI, SWI, SAUI, SAUI, KDU, PMG, DRN, MTS, MTN, COEN, COEN, SOEN, KNRA, KNRA, MTSU, WBO, WBO, WRA, WRA, WRA, QIS, QIS, CTAO, CTAO, CTAO, FITZ, AS31, AS31, AS31, ASAR, ASAR, ASAR, ASAR, QLP, OOD, EIDS, EIDS, LCRK, MULG, STKA, STKA, STKA, FORT, ARMA, ARMA, CAN, TAO, PZH, PZH, PZH, Vnda, Vnda, Vnda, QSPA, QSPA, QSPA, BUI, MOS, IDC, NEIC, ISC, Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC.

14d 3h

Table with columns: Station ID, Name, Elevation, Azimuth, Distance, Frequency, Bandwidth, Modulation, Data Rate, Signal-to-Noise Ratio, and other performance metrics for various stations across the region.





Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, etc. Includes entries like Nuku Hiva Isla, Metsahovi, Hagsfors, AAL Aland, MK31 Makanchi Array, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, etc. Includes entries like ULHL Ulahol, LPSR Galich'ya Gora, FRU1 Bishkek, PPT2 Papeete2, AAK Ala-Archa, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, etc. Includes entries like VYHS Vyhne, KECS Kecovo, CHGR Chuyangaron, SIMJ Simigan, CONA Conrad Observa, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GNI, DIKM, HRA, ESDC, RDO, ALN, FNA, ANTO, BR131, BNN, WRA, ASAR, QSPA, TSUM, BOS, etc.

IDC 14 03:47:57.7, 5.2, 24.215x178.66W, h0km, mb3.5/2, mbtmp3.5/2, Error ellipse: s-maj=299.5km s-min=72.7km az=160.0, South of Jji Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ASAR, WRA, NOA, HFS.

VAO 14 04:04:28.9, 1.1, 32.35Sx72.37W, h10km, mb4.6 SJA 14 04:04:34.7, 1.1, 31.77Sx71.95W, h10km, 5km, ML4.5, MW4.2

IDC 14 04:04:04.6, 4.6, 31.77Sx71.43W, h33km, 34km, mb4.1/10, mbtmp4.3/15, ML3.9/5, MS3.7/12, Error ellipse: s-maj=23.6km s-min=15.6km az=95.0

GUC 14 04:04:40.1, 0.8, 31.77Sx71.60W, h37km, 2km, ML4.6 NEIC 14 04:04:40.7, 1.5, 31.76Sx71.68W, h40km, 6km, mb4.6/34, Mw4.4/9.0, Error ellipse: s-maj=7.7km s-min=4.2km az=96.0, Moment Tensor Solution. Moment tensor: Scale 10^19Nm; M11=4.66; M22=0.20; M33=4.46; M12=1.41; M13=2.81; Fault plane solution: Ms=6.000x10^15; NP1=158.95000; 861.92000; 7.83.33000; NP2=352.91000; 828.80000; 7.102.28000; Principal axes: T=5.6525; Plg72.0000; Azm53.0000; N=0.0101; Plg6.0000; Azm162.0000; P=-5.6626; Plg17.0000; Azm254.0000

NEIC 14 04:04:40.8, 31.76Sx71.68W, h45km ISC 14 04:04:39.1, 1.0, 31.76Sx71.63W, h30km, 7km, n217, 01547/241, mb4.6/27, MS3.9/8, 10C-5D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CO02, VA06, CO06, CO09, CO03, VA01, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CO02, VA06, CO06, CO09, CO03, VA01, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VA06, CO06, CO09, CO03, VA01, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CO06, CO09, CO03, VA01, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CO03, CO09, CO03, VA01, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VA01, CO03, CO09, CO03, VA01, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ROCH, VA03, VA03, VA03, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VA03, MT02, MT02, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MT02, etc.

Table with columns: PEL, Peldehue, 1.59 150 P, 04 05 06.9 -1.0 P, 04 05 07.2 -0.8 P, 04 05 27.0 -0.7 S, 04 05 30.9 S. Includes stations like GO04, MT10, RENC, MT05, CO05, MT14, VA05, MT16, FCH, etc.

Table with columns: RTLS, Leontico, 1.98 92 eP, 04 05 14.9 +0.2 P, 04 05 14.2 -1.7 P, 04 05 19.5 +1.7 P, 04 05 14.7 -1.4 P, 04 05 41.1 -0.4 P, 04 05 50.3 S. Includes stations like MT09, MT08, etc.

Table with columns: MT01, Popeta, 2.12 172 jP, 04 05 14.1 +1.6 P, 04 05 13.4 +0.9 P, 04 05 43.6 +0.7 S, 04 05 46.3 S. Includes stations like MT08, etc.

Table with columns: BO04, La Punta, 2.38 159 eP, 04 05 18.2 +2.1 P, 04 05 18.6 +2.7 P, 04 05 46.3 +1.9 S, 04 05 56.4 S. Includes stations like LMEL, etc.

Table with columns: AROD, Rodeo, 2.44 50 eS, 04 05 22.1 -0.3 S, 04 05 55.7 +3.5 S, 04 05 23.1 -0.1 S, 04 05 57.9 +4.4 S, 04 05 25.5 -0.5 S, 04 05 57.9 -0.5 S, 04 06 07.0 S. Includes stations like ACCO, RTCV, etc.

Table with columns: BO01, Tunca, 2.67 170 eP, 04 05 21.6 +1.6 P, 04 05 04.1 +1.9 P, 04 05 08.2 S. Includes stations like BO01, etc.

Table with columns: AC05, Cuesta Vie, 2.67 54 eP, 04 05 25.8 -0.5 S, 04 06 03.7 +4.9 S, 04 06 06.0 S. Includes stations like LCO, etc.

Table with columns: BO02, Sierra Bellavi, 3.11 167 eP, 04 05 52.4 -3.8 S, 04 05 27.7 +1.6 P, 04 06 07.9 -3.3 S, 04 06 17.9 S. Includes stations like AC05, etc.

Table with columns: AC05, El Transito, 3.14 22 eP, 04 05 29.3 +2.7 P, 04 05 29.2 +2.7 P, 04 06 10.8 -1.4 S, 04 06 25.0 S. Includes stations like AC05, etc.

Table with columns: GO05, Huala, 3.25 184 eP, 04 05 27.7 -0.4 S, 04 06 16.4 +1.0 S, 04 06 41.9 S. Includes stations like AGUA, etc.

Table with columns: AGUA, GUANDACOL, 3.52 51 eP, 04 05 37.2 -3.6 P, 04 06 24.9 +1.6 P, 04 05 33.6 +1.1 P, 04 06 17.9 +4.2 S, 04 06 35.6 P. Includes stations like AC04, etc.

Table with columns: ML02, Panimavida, 4.00 178 eP, 04 05 39.5 +1.2 P, 04 05 41.3 +2.9 P, 04 05 49.1 +1.2 S, 04 06 53.8 S. Includes stations like VCA, etc.

Table with columns: AC06, Mina Casimiro, 4.52 14 eP, 04 05 46.6 +1.1 P, 04 05 50.4 +4.0 P, 04 05 49.3 -4.2 S, 04 05 53.3 -0.7 P, 04 05 58.8 +1.2 P, 04 06 11.2 +0.6 P, 04 12 54.1 T. Includes stations like APLL, etc.

Table with columns: H03N2, Juan Fernandez, 6.39 253 T, 04 12 53.5 T, 04 12 54.8 T, 04 13 04.7 T, 04 13 05.2 T, 04 13 06.4 T. Includes stations like H03N1, etc.

Table with columns: H03S2, Juan Fernandez, 6.49 249 T, 04 13 06.4 T, 04 13 06.4 T. Includes stations like H03S1, etc.

Table with columns: GO02, Mina Guanaco, 6.81 16 P, 04 06 17.2 -0.1 P, 04 06 31.3 +0.6 P, 04 06 30.7 -0.9 P, 04 06 35.5 -0.9 P, 04 06 40.1 +0.6 P, 04 06 48.9 +1.9 P. Includes stations like LRO3, etc.

Table with columns: LRO3, Corral, 8.28 180 P, 04 06 35.5 -0.9 P, 04 06 40.1 +0.6 P, 04 06 48.9 +1.9 P. Includes stations like PLCA, etc.

Table with columns: LRO3, Corral, 8.28 180 P, 04 06 35.5 -0.9 P, 04 06 40.1 +0.6 P, 04 06 48.9 +1.9 P. Includes stations like PLCA, etc.

Table with columns: LRO3, Corral, 8.28 180 P, 04 06 35.5 -0.9 P, 04 06 40.1 +0.6 P, 04 06 48.9 +1.9 P. Includes stations like PLCA, etc.

Table with columns: LRO3, Corral, 8.28 180 P, 04 06 35.5 -0.9 P, 04 06 40.1 +0.6 P, 04 06 48.9 +1.9 P. Includes stations like PLCA, etc.

Table with columns: LRO3, Corral, 8.28 180 P, 04 06 35.5 -0.9 P, 04 06 40.1 +0.6 P, 04 06 48.9 +1.9 P. Includes stations like PLCA, etc.

Table with columns: LRO3, Corral, 8.28 180 P, 04 06 35.5 -0.9 P, 04 06 40.1 +0.6 P, 04 06 48.9 +1.9 P. Includes stations like PLCA, etc.

Table with columns: LRO3, Corral, 8.28 180 P, 04 06 35.5 -0.9 P, 04 06 40.1 +0.6 P, 04 06 48.9 +1.9 P. Includes stations like PLCA, etc.

Table with columns: LRO3, Corral, 8.28 180 P, 04 06 35.5 -0.9 P, 04 06 40.1 +0.6 P, 04 06 48.9 +1.9 P. Includes stations like PLCA, etc.

Table with columns: LRO3, Corral, 8.28 180 P, 04 06 35.5 -0.9 P, 04 06 40.1 +0.6 P, 04 06 48.9 +1.9 P. Includes stations like PLCA, etc.

Table with columns: LRO3, Corral, 8.28 180 P, 04 06 35.5 -0.9 P, 04 06 40.1 +0.6 P, 04 06 48.9 +1.9 P. Includes stations like PLCA, etc.

Table with columns: LRO3, Corral, 8.28 180 P, 04 06 35.5 -0.9 P, 04 06 40.1 +0.6 P, 04 06 48.9 +1.9 P. Includes stations like PLCA, etc.

Table with columns: LRO3, Corral, 8.28 180 P, 04 06 35.5 -0.9 P, 04 06 40.1 +0.6 P, 04 06 48.9 +1.9 P. Includes stations like PLCA, etc.

Table with columns: LRO3, Corral, 8.28 180 P, 04 06 35.5 -0.9 P, 04 06 40.1 +0.6 P, 04 06 48.9 +1.9 P. Includes stations like PLCA, etc.

Table with columns: LRO3, Corral, 8.28 180 P, 04 06 35.5 -0.9 P, 04 06 40.1 +0.6 P, 04 06 48.9 +1.9 P. Includes stations like PLCA, etc.



Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like WWT Waverly, MNHN Monahans, ODSA Odessa, etc.

EAJ 14 04:16:12.9d.0.3, 23.52s:23.38E, h34km, 14km, MD3.2
PRL 14 04:16:20.6d.4.5, 23.91s:23.71E, h0km, 76km, MD3.2

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like LEPH Lephale, LBTT Lobatse, etc.

FUNV 14 04:17:20.3, 8.25N:71.79W, h5km, MWV3.0
RSNC 14 04:17:21.9, 0.0, 8.1N:71.72W, h0km, 2km, ML2.6

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like CAPV Capacho, SOCV Socops, etc.

Main table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like BENV Villavicencio, GUY2C Guyana, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like LIFNC LIFOU, KOUNC Kouram, etc.



Table with columns for station ID, call sign, frequency, power, and location. Includes stations like H17K, M22K, J19K, G17K, PMR, PALMER, PPLA, KNK, GLI, H18K, GHO, GCSA, CUT, FID, EYAK, SML, CAST, CAST, J20K, KAIM, M23K, F17K, RAGM, G18K, CHUM, SCM, SCM, I20K, I20K, BOD, BOD, SHL, SHL, SHL, H19K, H19K, KLU, KLU, TRF, E17K, WAT1, F18K, BMRM, WAT6, BPAW, G19K, H20K, M24K, D17K, WAX, RND, C16K, CRQE, N25K, MESA, MESA, E18K, MCK, DHY, DHY, RDOG, RDOG, F19K, BWN, I21K, I21K, HARP, MCARA, MCARA, H21K, IMAR, GOMU, GOMU, C17K, MLY.

Table with columns for station ID, call sign, frequency, power, and location. Includes stations like MLY, SBC, ZAK, ZAK, PAX, NEA2, NEA2, PPKM, SMMR, BARM, PNL, CTG, E19K, E19K, F20K, WRH, SIT, G21K, G21K, IRK, IRK, C18K, C18K, H22K, I23K, I23K, YBH, YBH, YBH, YBH, S31K, O28M, O28M, M26K, K24K, HDA, HUMO, HUMO, MAW, COLA, COLA, COLA, COLA, CIS, P29M, L26K, L26K, O29M, U33K, H23K, OSI, IL31, ILAR, ILAR, ILAR, ILAR, M27K, M27K, D19K, L04D, S32K, F21K, B18K, VOG, ARVC, POKR, YUK8, YES, YUK3, DECC, E20K, C19K, G22K, V35K, J25K, SCRK, SCRK, PLBC, BVCY, EMB, YUK6, H24K, H24K, L27K, L27K, BCAR, WRAK.

Table with columns for station ID, call sign, frequency, power, and location. Includes stations like P30M, D20K, G23K, G23K, ISA, YUK4, F22K, MPK, HYT, HYT, BFSC, MDPB, MDPB, WAKR, SKAG, PNTR, J26L, J26L, COLD, MURC, E21K, E21K, MLCAC, A19K, PRP, K27K, K27K, H04A, MOY, MOY, YERR, LRMC, CWC, E22K, J05D, J05D, K05A, PAHR, G24K, G24K, O30N, N30M, C21K, MNP2, M29M, LHV, H25L, MPMC, IKP, RYN, PFO, TPFO, B20K, B20K, I05D, D22K, D22K, I26K, I26K, PINE, NVAR, NVAR, NVAR, P32M, E23K, G25K, WHY, B21K, F24K, F24K, N31M, T35M, SWSC, GRAC, GRAC, EGAK, EGAK, EGAK, L29M, S34M, QSM, Q32M, KVN, HEC, BELC, DAWY, DAWY, M30M.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like FURC, D23K, TOLK, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like TUC, F31M, HLID, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like BVAR, ARU, ARU, etc.



MKAR pPKPbc pPKPbc 05 55 35.7 -1.2 comp=2.0,5nm,0.9s,baz=317,slow=4.5,SNR=1.8

SJA 14 05:42:16.7:0.7,22.78S:70.70W,h36km,2km,ML3.3,MW3.7

GUC 14 05:42:19.9:0.6,22.75S:70.52W,h46km,2km,ML3.4 ISC 14 05:42:14.9:1.8,22.84S:70.31W,0.07h,0.11km,n3.0,r172/50,2C-4D,Near coast of northern Chile

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data.

IDC 14 05:53:27.7:1.5,15.84N:145.80E,h171km,15km,mB3.3/9,mbtmp3.8/10,Error ellipse: s-maj=27.6km s-min=17.4km az=102.0

NEIC 14 05:53:29.0:1.0,15.9N:0.1:145.7E:0.1,h174km,10km,m3.8/13,Error ellipse: s-maj=20.0km s-min=16.0km az=72.0

ISC 14 05:53:28.3:0.8,15.9N:0.1:145.7E:0.3,h174km,n26,r0567/27,mB3.6/16,Mariana Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations for the Mariana Islands region.

D22K Ayikyak River 65.23 21 P Iamb P Iamb 06 03 50.8 -0.1 06 03 52.2

ILAR Eielson Array 66.18 26 P comp=2.0,2nm,0.4s,baz=249,slow=5.9,SNR=7.3 comp=2.0,2nm,0.4s

BCAR Beaver Creek A 68.07 28 P P 06 04 09.6 +0.7

BVAR Borovoye Array 68.66 32 P P 06 04 13.5 +0.7

YKA Yellowknife Ar 80.48 28 P P 06 05 19.9 -0.7

RSNC 14 05:57:28.6:0.0,4N:2:77W,1,h101km,4km,mB3.9,mB5.5,ML2.7,Mw(mB)4.9,Near west coast of Colombia

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations for the west coast of Colombia.

CATAC 14 06:00:19.6:0.7,12:21N:87:69W,h33km,14km,ML3.2 SNET 14 06:00:20.0:1.1,12:23N:88:04W,h11km,13km,ML2.7

ISC 14 06:00:18.0:1.5,12:16N:0:05:87:76W,0:04,h26km,15km,n27,r0599/44,Near coast of Nicaragua

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations for the Nicaragua region.

ORTG Ortega, Santa 2.88 128 i P IAML Pn 06 01 03.3 +1.0 06 01 11.8

ORTG San Juanillo, 2.89 136 i P Pn 06 01 36.6 +0.5 06 01 37.2 +0.8 06 01 37.4 +1.1 06 02 07.3

LCLR La Lucha 2 4.40 123 i P Pn 06 01 24.3 +1.0 06 02 14.8 +0.9 06 02 41.7

SNET 14 06:08:21.7:1.2,13.14N:91:74W,h35km,38km,ML3.6 CATAC 14 06:08:25.6:0.6,13:32N:91:37W,h19km,8km,mB4.0,ML3.7

IDC 14 06:08:27.9:3.7,13:46N:91:42W,h40km,29km,mB3.2/2,mbtmp3.4/5,ML3.4/3,MS3.7/2,Error ellipse: s-maj=40.5km s-min=24.8km az=32.0

GCG 14 06:08:33.0:3.0,13:93N:91:35W,h26km,17km,MD4.2 ISC 14 06:08:25.0:3.2,13:28N:0:07:91:46W,0:06,h27km,23km,n53,r105/82,Near coast of Guatemala

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations for the Guatemala region.



14d 8h

comp=Z,3.3nm,0.7s  
**TXAR** **Lajitas Array** 94.22 50 P P 06 26 48.7 +0.7  
 comp=Z,1.1nm,0.7s,baz=306,slow=2.7,SNR=7.6  
**QSPA** **South Pole Qui** 124.55 180 PKP PKPdf 06 32 26.1 -0.9  
 comp=Z,1.0nm,0.7s,baz=225,slow=1.0,SNR=6.2  
**LPAZ** **La Paz** 150.82 57 PKPbc PKPbc 06 33 22.2 -0.1  
 comp=Z,2.2nm,0.8s,baz=12,slow=6.1,SNR=11

IDC 14 06:53:13.3±1.2, 6.79N, 72.87W, h166km, 13km, mb3.3/4,  
 mbmp3.9/7, Error ellipse: s-maj=27.4km s-min=13.7km  
 az=133.0

ISC 14 06:53:12.3±0.8, 6.7N, 0.1:72.9W, 0.1, h161km, n9,  
 #141/12, mb3.6/4, Northern Colombia

Code	Station Name	Δ° AZ°	Phase ID	Op	ISC	h	m	s	ISC	Time	Res
ROSC	El Rosal	2.32 217	Op	P	ISC	140nm	0.3s	baz=128,slow=23,SNR=285	P	06 53 54.2	+1.9
ROSC			S	Pn						06 54 21.5	-1.7
SDV	741nm, 0.4s, baz=33, slow=22, SNR=19									06 54 03.8	+1.8
SDV	119nm, 0.3s, baz=173, slow=2.8, SNR=204									06 54 40.0	-0.5
PCRV	92nm, 0.5s, baz=258, slow=23, SNR=13									06 55 18.7	+1.3
PCRV	Puerto La Cruz	8.88 67	P	Pn						06 56 54.2	-2.1
TXAR	Lajitas Array	36.70 312	P	Pn						07 00 04.0	-0.1
ULM	Lac du Bonnet	47.47 340	P	P						07 01 30.4	-0.4
PDAR	Pinedale Array	48.30 324	P	P						07 01 37.2	-0.5
YKA	Yellowknife Arr	63.45 340	P	P						07 03 24.9	+0.2
ASAR	Alice Springs	149.21 234	PKPbc	PKIKP						07 12 42.8	-1.1
WRA	Warramunga Arr	150.47 241	PKPbc	PKIKP						07 12 46.2	-0.3

NEIC 14 07:00:17.4±0.4, 36.268N, 010:09:57.51W, 010:1, h4km±1km,  
 ML1.8/26, Error ellipse: s-maj=1.4km s-min=1.2km  
 az=178.0, Oklahoma

Code	Station Name	Δ° AZ°	Phase ID	Op	ISC	h	m	s	ISC	Time	Res
CROK	Carrier	0.45 302	Pg	Pg						07 00 26.6	+0.5
OK029	Liberty Lake	0.47 175	Pg	Pg						07 00 27.0	+0.6
OK029			Sg	Pg						07 00 33.7	+1.1
OK029			IAML							07 00 38.0	
OK048	Pawnee Station	0.48 72	Pg	Pg						07 00 26.7	+0.1
OK048			IAML							07 00 35.8	
OK033	Mehan	0.51 116	Pg	Pg						07 00 26.6	-0.7
OK052	Battle Ridge R	0.63 115	Pg	Pg						07 00 29.9	+0.3
OK052			IAML							07 00 42.5	
OK052										07 00 42.5	
GC02	Grant County #	0.65 334	Pg	Pg						07 00 29.7	-0.2
KAN14	Manchester OK	0.78 332	Pg	Pg						07 00 32.4	0.0
DEOK	Depew	0.92 117	Pg	Pg						07 00 35.2	+0.2
DEOK			IAML							07 00 49.9	
T35A	Sooner Cattle	1.03 51	Pg	Pg						07 00 37.2	+0.1

IDC 14 07:18:04.9±12.0, 47.82N, 49.77E, h0km, Error ellipse:  
 s-maj=198.9km s-min=123.5km az=43.0, Western  
 Kazakhstan

Code	Station Name	Δ° AZ°	Phase ID	Op	ISC	h	m	s	ISC	Time	Res
I31KZ	AKTYUBINSK INF	6.01 61	I	I						07 49 40.0	
I43RU	DUBNA INFRASONI	1.75 324	I	I						08 28 50.1	
I37NO	I37NO	26.28 335	I	I						10 02 40.0	

IDC 14 07:24:51.7±1.2, 27.83N, 127.73E, h0km, mb3.3/4,  
 mbmp3.5/5, ML3.1/1, Error ellipse: s-maj=49.7km  
 s-min=15.4km az=63.0

JMA 14 07:24:52.1±0.3, 28.1N, 0.5:128.2E, 0.7, h10km±3km,  
 MV3.2/13, NW OFF OKINAWA/JMA IS

ISC 14 07:24:51.7±1.9, 28.05N, 0.05:128.19E, 0.06, h10km±14km,  
 n16, #081/21, mb3.3/4, Ryukyu Islands

Code	Station Name	Δ° AZ°	Phase ID	Op	ISC	h	m	s	ISC	Time	Res
JTK	Tokunoshima	0.73 111	Pb	Pb						07 25 06.5	+0.1
JOKE	Okinoerabujima	0.77 153	Pb	Pb						07 25 17.1	+0.6
JAMN	Amaminishikomi	0.90 78	Pb	Pb						07 25 07.6	-1.0
JAMN			Sb	Pb						07 25 18.0	+0.3
JAMN			I	Pn						07 25 09.8	-0.5
JAMN			S	Pn						07 25 22.2	-1.1
JIH	Iheya	1.03 191	Pb	Pb						07 25 11.6	-0.5
JYRO	Yoronjima	1.05 167	Pb	Pb						07 25 12.6	+0.1
JOW	Kunigami	1.22 176	Pn	Pn						07 25 26.7	-0.4
JOW			Sb	Pn						07 25 15.0	+0.3
JOW			Sn	Sb						07 25 20.2	-0.3
JOW			Pn	Pn						07 25 30.5	+0.3
JAM	Amami Oshima	1.30 74	Pb	Pg						07 25 17.0	+0.3
JATJ	Takarajima	1.42 39	Pb	Pb						07 25 17.4	-0.8
JNTH	Nagotoyohara	1.54 185	Pb	Pb						07 25 19.7	-0.5
JAGN	Aguni-jima	1.68 210	Pb	Pb						07 25 21.9	-0.8
JNU	Nakatsue	1.56 24	Pn	Pb						07 26 20.5	+0.0
SOMN	Songino Array	26.02 325	P	P						07 30 27.4	+2.4
MKAR	Makanchi Array	40.31 310	P	P						07 32 28.5	-0.6
KURBB	Kurchatov Arra	43.52 315	P	P						07 32 55.2	0.0
WRA	Warramunga Arr	48.08 172	P	P						07 33 31.7	+0.1

SNET 14 07:52:04.7±0.9, 12.15N, 88.33W, h12km±8km, ML3.3,  
 CATAc 14 07:52:04.3±0.5, 12.05N, 88.20W, h28km±4km, mb4.1,  
 ML3.5

IDC 14 07:52:07.3±2.4, 12.01N, 88.10W, h76km, 32km, mb3.3/5,  
 mbmp3.6/7, MS3.3/2, Error ellipse: s-maj=101.2km  
 s-min=14.9km az=33.0

ISC 14 07:52:05.3±1.2, 12.07N, 0.04:88.20W, 0.04, h47km±14km,  
 n76, #111/123, mb3.4/5, Off coast of central America

Code	Station Name	Δ° AZ°	Phase ID	Op	ISC	h	m	s	ISC	Time	Res
POTN	Potosi Cosigui	1.14 36	Pb	Pb						07 52 23.1	+1.8
POTN			I	Pn						07 52 38.9	-0.5
JUCU	Jucuarj	1.18 358	eS	Pn						07 52 24.9	-0.5
JUCU			eS	Pn						07 52 40.3	-0.1
JUCU			I	Pn						07 52 24.1	-1.3
JUCU			I	Pn						07 52 39.8	-0.6
JUCU			IAML							07 52 44.8	
CNCH	Conchagua	1.25 16	eP	Pn						07 52 26.2	-0.2

2018 APR

Code	Station Name	Δ° AZ°	Phase ID	Op	ISC	h	m	s	ISC	Time	Res
CNCH	Conchagua	1.25 16	eP	Pn						07 52 25.5	-1.0
CNCH			I	Pn						07 52 41.6	-0.6
CNCH			IAML							07 52 50.3	
LCND	La Caada	1.27 14	eP	Pn						07 52 26.3	-0.3
LCND	La Caada	1.27 14	eP	Pn						07 52 25.3	-1.3
LCND			I	Pn						07 52 42.1	-0.4
LCND			IAML							07 52 51.5	
AMPH	Amapala	1.32 23	eP	Pn						07 52 27.2	0.0
AMPH			eS	Pn						07 52 45.3	+1.6
YSM	San Miguel	1.35 357	eP	Pn						07 52 27.7	-0.3
RANC	El Ranchito	1.36 356	eP	Pn						07 52 27.8	-0.1
RANC	El Ranchito	1.36 356	eP	Pn						07 52 27.2	-0.8
RANC			I	Pn						07 52 45.2	+0.3
RANC			IAML							07 52 52.8	
BLLM	Bellamira	1.36 358	eP	Pn						07 52 27.8	-0.2
PACA	Pacayal	1.40 355	eP	Pn						07 52 28.5	+0.1
PACA	Pacayal	1.40 355	eP	Pn						07 52 27.8	-0.7
PACA			I	Pn						07 52 46.8	+0.8
PACA			IAML							07 52 49.2	
HERN	Volcan Telica	1.44 68	eP	Pn						07 52 28.1	-0.9
HERN			I	Pn						07 52 47.1	+0.3
HERN			IAML							07 52 58.6	
CNGA	AI SSO del Vol	1.52 74	eP	Pn						07 52 29.4	-0.7
CNGA			I	Pn						07 52 49.0	+0.2
CNGA			IAML							07 53 02.8	
MACN	El Madrono	1.54 75	eP	Pn						07 52 29.5	-0.8
MACN			I	Pn						07 52 49.8	+0.6
MACN			IAML							07 53 00.8	
TECO	Alcaldia de Te	1.56 339	eP	Pn						07 52 29.4	-1.3
TECO			eS	Pn						07 52 49.5	-0.2
TECO	Alcaldia de Te	1.56 339	eP	Pn						07 52 29.8	-0.9
TECO			I	Pn						07 52 49.6	-0.2
TECO			IAML							07 53 03.8	
COPN	Copaltepe	1.57 86	eP	Pn						07 52 29.9	-0.9
COPN			I	Pn						07 52 33.5	
POSS	Presas 15 de Se	1.58 347	eP	Pn						07 52 30.5	-0.4
POSS			I	Pn						07 52 51.5	+1.3
POSS			IAML							07 52 56.4	
MOMN	Momotombo	1.66 78	eP	Pn						07 52 31.5	-0.4
MOMN			I	Pn						07 52 52.5	+0.5
MOMN			IAML							07 53 05.5	
UESV	Universidad de	1.66 340	eP	Pn						07 52 32.0	0.0
UESV			I	Pn						07 52 53.9	+1.8
UESV											



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for Escuela Especi, Esquilpas, and WRA Warramunga Arr.

NEIC 14 08:11:20.3:0.3,36:29.0N:01:97:51W:0.01, h4km, 1km, Error ellipse: s-maj=1.6km s-min=1.5km az=163.0

TUL 14 08:11:27.0:5.36:28.0N:01:97:51W:0.01, h6km, 5km, ML2.3, mb Lg, 1.7(NEIC), ML2.4(S/NEIC), Error ellipse: s-maj=1.8km s-min=1.20, Oklahoma

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for CROK Carrier, OK048 Pawnee Station, and many others.

IDC 14 08:15:22.3:6.0,3:48S:133.04E, h0km, mb3.1/2, mbmp3.1/3, ML2.7/1, Error ellipse: s-maj=359.9km s-min=33.1km az=75.0, Irian Jaya region

Table of station data for IDC 14 08:15:22.3:6.0,3:48S:133.04E, including WRA Warramunga Arr and ASAR Alice Springs.

IDC 14 08:17:19.2:0.4, 61:25S:36:57W, h0km, mb5.0/14, mbmp3.0/15, ML4.8/1, MS4.4/34, Error ellipse: s-maj=20.0km s-min=12.0km az=65.0

MW5:1/109, Moment Tensor Solution. s44.c53; s109.c156; Duration: 0 Moment tensor: Scale 10^16Nm; M=1.09z.13; Mw=3.45z.12; Ms=2.35z.09; Ma=3.15z.45; Mw=1.99z.11; Mw=3.86z.54; Best double couple: Mb=12.200x10^16 NP1:36.000000, s84.000000, lambda=123.000000. Principal axes: T 6.5760, Plg31.0000, Azm153.0000; N -0.8890, Plg32.0000, Azm41.0000; P -5.6680, Plg42.0000, Azm275.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

IC 14 08:17:20.0:2.61:41S:005:36:85W:0.06, h10km, n363, i138/325, mb5.4/81, MS4.5/40, 21C-5D, Scotia Sea

Main table of station data for the 2018 APR section, including ORCD Orcadas, HOPE Hope Point, PMSA Palmer Station, and many others.

Main table of station data for the 14d 8h section, including CPUP Villa Florida, CPUP Villavieja, CPUP Pitanga, and many others.

Table with columns for station name, frequency, mode, and time. Includes stations like KSR, LBTB, LBTA, etc.

Table with columns for station name, frequency, mode, and time. Includes stations like TOO, ESPN, ACON, etc.

Table with columns for station name, frequency, mode, and time. Includes stations like BELG, CHM, IUG, etc.

Table with columns for station name, frequency, mode, and time. Includes stations like I43RU, I31KZ, I37NO, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DUWZ, TKNZ, QRRZ, etc.

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

Table with columns: LEM, Lembang, LEM, Lembang, LEM, Lembang, etc. Includes stations like LEM, LEM, LEM, etc.

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

Table with columns: HHC, HHC, KSRS, KSRS, NIL, Nilore, etc. Includes stations like HHC, HHC, KSRS, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SBJJ, KASI, KASI, 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.

14d 11h

Table with columns: HEF, Hetta, 2.71 292, PB, Pn, 11 18 52.7 +0.9, 11 19 26.6, etc. Includes stations like PAJU, Pajala, Kautokeino, etc.

IDC 14 11:23:10.8, 1.1, 2.49S, 138.39E, h0km, mb4, 1/9, mbmp4, 1/10, ML4, 1/1, MS3, 5/2, Error ellipse: s-maj=47.0km s-min=19.8km az=82.0

NEIC 14 11:23:17.7, 1.2, 2.63S, 0.1, 138.4E, 0.1, h45km, 9km, mb4, 0/14, Error ellipse: s-maj=16.8km s-min=13.8km az=220.0

DJA 14 11:23:18.9, 0.8, 2.5, 9\*13.8E, h25km, 9km, M4, 4/7, mb4, 4/3, mbB4, 7/1, MLV4, 4/7, Mw(mb)3.9/1

ISC 14 11:23:16.5, 0.6, 2.58S, 0.06, 138.25E, 0.06, h35km, n38, e1570/39, mb4, 1/12, Irian Jaya

Main table with columns: Code, Station Name, A° AZ°, Phase ID, Time Res, h m s ISC, etc. Includes stations like SMPI, GENI, JAY, FAKI, etc.

IDC 14 11:26:18.7, 0.4, 2.5, 5\*13.8E, h50km, 9km, M4, 1/6, mb4, 4/4, mbB5, 1/1, MLV4, 0/6, Mw(mb)4.5/1, Irian Jaya

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time Res, h m s ISC, etc. Includes stations like YUVA, BOLU, KBAM, etc.

ISK 14 11:31:38.9, 40.59N, 31.77E, h9km, ML2, 5/5 AFAD 14 11:31:40.5, 0.0, 40.54N, 31.65E, h7km, 4km, ML2, 0

2018 APR

Table with columns: MDOB, Mudurnu, 0.40 257, Pg, Pg, 11 31 48.3 0.0, etc. Includes stations like AUMIH, Mihaljicki, etc.

IDC 14 11:35:28.3, 2.6, 36.72N, 141.53E, h0km, mb3, 3/2, mbtmp, 3.2/3, ML2, 5/1, Error ellipse: s-maj=52.3km s-min=32.2km az=41.0

JMA 14 11:35:31.8, 0.1, 36.7N, 0.2, 141.2E, 0.6, h37km, 1km, MV3, 3/40, E OFF IBARAKI PREF

JMA Fellt UJI at E OFF IBARAKI PREF

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time Res, h m s ISC, etc. Includes stations like ONAJ, JHO, JFFD, etc.

IDC 14 11:50:36.7, 2.2, 15.36S, 67.28E, h0km, mb3, 6/7, mbtmp, 3.6/7, MS3, 8/21, Error ellipse: s-maj=65.5km s-min=36.3km az=35.0

ISC 14 11:50:38.4, 2.0, 15.4S, 0.4, 67.3E, 0.3, h10km, n36, e085/8, mb3, 6/7, MS3, 8/22, Mid-Indian Ridge

Main table with columns: Code, Station Name, A° AZ°, Phase ID, Time Res, h m s ISC, etc. Includes stations like H0S1, H0S2, H0S3, etc.

ISU 14 11:58:59.9, 41.10N, 73.21E, h14km

900

SOME 14 11:59:59.6, 41.05N, 73.43E, h5km KRNET 14 11:59:59.4, 0.1, 40.97N, 73.46E, h18km, mb3.9

MOS 14 12:00:00.0, 9.0, 40.95N, 73.39E, h0km, mb4.0, mpv3.6, Error ellipse: s-maj=10.4km s-min=4.8km az=167.0

ISC 14 11:59:59.7, 1.1, 40.95N, 0.02, 73.38E, 0.02, h2km, 9km, n122, e1939/71, 65, 56, 240, Kyrgyzstan

Main table with columns: Code, Station Name, A° AZ°, Phase ID, Time Res, h m s ISC, etc. Includes stations like ARSB, ARSB, ARSB, etc.

USP 201nm, 0.4s OSPenovka 17nm, 0.2s, SNR=21



Table with columns: Code, Station Name, Az, El, Pn, Time, Res, ISC. Includes stations like Sevastopol, Bering, Kamenistaya, etc.

Table with columns: Code, Station Name, Az, El, Pn, Time, Res, ISC. Includes stations like ARSB Arslanbob, KSH, etc.

Table with columns: Code, Station Name, Az, El, Pn, Time, Res, ISC. Includes stations like BELG Belgomogyo, KAZ Khabaz, etc.





ATCC comp=N,87um,0.3s AML AML
ATCC comp=E,100um,0.1s AML AML

GUMA comp=E,3699um,0.3s AML AML
GUMA comp=N,5809um,0.2s AML AML

FRON comp=N,362um,1.3s AML AML
FRON comp=N,362um,0.7s AML AML

ROM 14 14:02:22.5:0.0, 43°06'3N-0°00'2-13°04'8E:0°00'4, h8km, ML2.2/95, Error ellipse: s-maj=0.3km s-min=0.1km az=63.0, Central IAU

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include FDMO, FEWA, SEFI, CSP1, CESI, PIQ1, PF6, MDAR, GAG1, MC2, SSM1, MTL1, SNTG, GUMA.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include NRCA, MMO1, EL6, FOSV, MF5, ATCC, CING, MTRA, SSSR, MURB, MOMA, ATSC, LNNS, SMA1, OFFI, FRON.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include ARRO, ATLO, ATBU, ATVO, ATVO, RM33, CESX, CAMP, TERO, PIEI, MPAG, NARO, GIGS, BADI, VCEL.

NEIC 14 14:08:58.9:0.6, 36°29'N=0°01'97.498W:0°00'9,h5km,1km, ML1.8/22, Error ellipse: s-maj=2.6km s-min=1.8km az=56.0, Oklahoma

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include CROK, OK048, OK029, OK033, OK052, GC02, QUOK.

DNK 14 14:24:50.2: 1.6, 71°28'N; 19°58'W, h36km, 26km, ML2.1
IDC 14 14:25:02.9: 1.1, 69°30'N; 15°55'W, h0km, mb3.4/6,
mbtmp3.5/10, ML3.1/4, MS3.3/26, Error ellipse:
s-maj=27.3km s-min=19.3km az=11.0,
ISC 14 14:24:46.3: 1.1, 71°40'N; 0°09:19.95W:0°09, h10km, n34,







14d 16h

Table with columns: SSRD, Sdr, Stenderup, 5.42 318, iS, Sn, 16 01 14.6 +0.7, 16 01 17.5, CAF Calviac, KEF Keuruu, VAF Vlastaro, EKA Eskdalemuir Ar, etc.

2018 APR

Table with columns: comp, Z, 0.4nm, 0.3s, baz=213, slow=24, SNR=2.0, comp=Z, 1.7nm, 0.5s, CAF Calviac, KEF Keuruu, VAF Vlastaro, EKA Eskdalemuir Ar, etc.

908

Table with columns: PVFI, Vila Bisbo, PVFI Vila Bisbo, PVFI Vila Bisbo, MORF Marzeleto, MORF Marzeleto, PTEO Sao Teotonio, PTEO Sao Teotonio, PBDV Barranco-do-Ve, PBDV Barranco-do-Ve, PCVE Castro Verde, PCVE Castro Verde, etc.



14d 16h

Table with columns for station code, name, frequency, power, and signal strength. Includes stations like GZR, MOR, LRV, etc.

2018 APR

Table with columns for station code, name, frequency, power, and signal strength. Includes stations like MILM, EZN, SPITS, etc.

910

Table with columns for station code, name, frequency, power, and signal strength. Includes stations like SOCC, LABN, MIAR, etc.



911

Table with columns: SVE, Name, Comp, Az, El, AzEl, Status, Date, Time, AzEl, Status, Date, Time. Includes stations like YMP, MSTX, SDCO, JTS, 833A, H17A, BW06, PDAR, PDRB, PDBZ, INK, DRIO, KOTAN, MTO3, O20A, O20A, SNOW, LKRN, SAML, F31M, APG, BDFB, MNHN, AKTO, AHID, RDMU, G31M, SAND, D28M, F30M, TOAD, E29M, E29M, TGTN, H31M, H31M, ANMO, ANMO, ANMO, ANMO, G30M, G30M, E28M, E28M, BSUT, D27M, D27M, P18A, MVCO, ALPN, ARAG, TCUT, MPPY, MPPY, NEW, NEW, EPYK, DIAM, G29M, P17A, F28M, ABKAR, ABKAR, TXAR, TXAR, TXAR, MNXT, HVU, C26K, I30M, I30M, E27K, E27K, VHRN.

2018 APR

Table with columns: Name, Comp, Az, El, AzEl, Status, Date, Time, AzEl, Status, Date, Time. Includes stations like HLID, TMUT, H29M, H29M, ETMB, ETMB, ETMB, CMIG, Q16A, PLID, J30M, J30M, IPMB, HMU, BGO, FARO, FARO, NRIK, NRIK, NRIK, NRIK, DUG, DUG, D25K, D25K, SALV, G27K, G27K, M31M, N32M, N32M, R33M, R33M, C24K, C24K, DLBC, DLBC, DLBC, DLBC, I28M, I28M, H27K, 121A, K29M, K29M, W18A, E25K, E25K, P33M, BMAR, G26K, G26K, D24K, D24K, C23K, I27K, F25K, M30M, X18A, DAWY, DAWY, A22K, PKCU, PTLB, PTLB, Q32M, L29M, B22K, N31M, N31M, EGAK, EGAK, WHY, WHY, T35M, ELK, ELK, CZSB, TOLK, TOLK, P32M, D23K, WUAZ, WUAZ, SZCU, I26K, G25K.

14d 16h

Table with columns: Name, Comp, Az, El, AzEl, Status, Date, Time, AzEl, Status, Date, Time. Includes stations like F24K, F24K, SPR3, KNB, M29M, M29M, N30M, N30M, O30N, O30N, E23K, U35K, U35K, BSCB, H25L, B21K, D22K, D22K, K27K, K27K, G24K, X16A, SKAG, SKAG, 319A, PRP, PRP, J26L, J26L, HYT, HYT, B20K, B20K, E22K, C21K, YUK4, P30M, COLD, YUK6, L27K, WRAK, BVCY, PLBC, E21K, SCRK, SCRK, BB19B, H24K, H24K, TUC, TUC, TUC, TUC, J25K, J25K, VAS01, RAYN, RAYN, BMN, BRVK, BRVK, BRVK, G23K, R11B, YUK3, V35K, F22K, BBB, YUK8, BVAR, S32K, M27K, M27K, O29M, A19K, P29M, G22K, POKR, L26K, L26K, U33K, D20K, ILAR, ILAR, ILAR, RIDG, RIDG, RIDG, H23K.

14d 16h

Table with columns for station ID, name, elevation, and various performance metrics. Includes stations like H23K Yukon River, BBSD Serra de San D, MENT Mientana, etc.

2018 APR

Table with columns for station ID, name, elevation, and various performance metrics. Includes stations like BMRM Bremner River, WAT6 Susitna Watana, BPAW Bear Paw Mtn., etc.

912

Table with columns for station ID, name, elevation, and various performance metrics. Includes stations like O22K Cooper Landing, J18K Innoke River, J18K Innoke River, etc.

Table with columns: ID, Name, RA, Dec, Mag, Type, and other parameters. Includes entries like M11K Mekoryuk, MAKZ Makanchi, CHIR Chirikof Islan, etc.

Table with columns: Code, Station Name, RA, Dec, Mag, Type, and other parameters. Includes entries like USSURIYSK Arra, NUKU Hiva Isla, NANJING, etc.

Table with columns: Code, Station Name, RA, Dec, Mag, Type, and other parameters. Includes entries like BOROVYOYE Arra, GLEISON Arra, ALICE SPRINGS, etc.

14d 17h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like FDMO Fioridomonte, BRG Bergliesshubel, NRCA Norcia, etc.

2018 APR

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like D24K Happy Valley, C23K Hilliker River, M30M Minto, etc.

914

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like KEV Kolar, KLF KLF, KLF KLF, etc.

UPP 14 17:02:13.2±0.5, 67.84N×20.43E, h0km, ML2.7, Confirmed
Induced event
HEL 14 17:02:14.1±0.2, 67.83N×20.20E, h0km, ML1.2, Explosion
ISC 14 17:02:12.7±1.3, 67.82N×0.04±20.29E±0.06, h0km, n12,
088119, Sweden

Table with columns: BR131, BRTR, S39A, ECSD, BNN, KBZ, YKA, YKAB2, ARU, WRLU, PD31, PDAR, LOHW, F31M, G31M, BSUT, HWUT, TXAR, F28M, ABKAR, TMUT, H28M, PLID, J30M, DUG, NRIK, K29M, M30M, L29M, ELK, J08A, BRVK, BVAR, ILAR, GEYT, NEA2, KVN, MZP, NVAR, TIXI, KURK, KURKB, ZAAO, ZALV, SIMJ, GAR, MK31, MKAR, KSH, SONM, HHC, PZH, NJ2, QSPA, ASAR, JNU, WRA. Each row contains station name, frequency, power, and other technical details.

ADC 14 17:14:27.6:1.3, 19.68N:122.01E, h0km, mb3.7/6, mbmp3.7/6, MS2.7/1, Error ellipse: s-maj=117.6km s-min=18.2km az=66.0

Table with columns: H11S3, H11N1, H11S1, H11N2, H11S2, H11N3, ZALV, ASAR, KURBB, NRIK, IDC 14 17:19:16.5, IDC 14 17:19:18.1, GCMT 14 17:19:20.0, IDC 14 17:19:17.6, Code, H10S2, H10S3, SUR, HOPE, BOSA, BDFB, DBIC, CPUP, LSZ, TRQA, TOAO, TORO, TORI, TORL, TORR, SNAE, SNAI, SNAV, PTBL, SIV, PMSA, PLCA, LVC, MDP, GO01, LPAZ, LPZA, PB16, OPO, MDT, QSPA, QSPA, NNA, PCRV, ATAH, ATD, KEST, SDV, SDV, ROSC, ESDC, ESDC, EIL, MMAI, DAVO, JTS, BRTR, GERES, MLR, RPN, GNI, AKASG, KBZ, Code, H10S2, H10S3, SUR, HOPE, BOSA, BDFB, DBIC, CPUP, LSZ, TRQA, TOAO, TORO, TORI, TORL, TORR, SNAE, SNAI, SNAV, PTBL, SIV, PMSA, PLCA, LVC, MDP, GO01, LPAZ, LPZA, PB16, OPO, MDT, QSPA, QSPA, NNA, PCRV, ATAH, ATD, KEST, SDV, SDV, ROSC, ESDC, ESDC, EIL, MMAI, DAVO, JTS, BRTR, GERES, MLR, RPN, GNI, AKASG, KBZ.

ADC 14 17:14:27.6:1.3, 19.68N:122.01E, h0km, mb3.7/6, mbmp3.7/6, MS2.7/1, Error ellipse: s-maj=117.6km s-min=18.2km az=66.0

Table with columns: HFS, NOA, CMIG, GEYT, FINES, ASAR, SONM, KSRS, IDC 14 17:32:25.8, TXAR, NVAR, PDAR, ILAR, IDC 14 17:33:35.4, Code, RAO, RAO, WMGZ, HAZ, PKGZ, PUZ, RUGZ, TWGZ, CNGZ, MWZ, URZ, URZ, RAGZ, RIGZ, MUZ, RTZ, GHRZ, GHRZ, BKM, DZM, ASAR, WRA, GSPA, FINES, SOF 14 17:50:57.6, ISK 14 17:50:58.3, AFAD 14 17:50:59.0, ISK 14 17:50:58.1, Code, JMB, JMB, JMB, ELND, ELND, EDNR, EDNR, DIM, SZH, KIRK, KIRK, KIRK, OPO, ROIA, ROIA, ARMN, ARMN, ARMN, ARMN, PRD, PRD, NEF, NEF, RAZG, RAZG, PVL, AVR, AVR, UKOP, UKOP, ZIMR, ZIMR, VIZE, VIZE, VIZE, RDO, RDO, AN, AN, PGB, PGB, Preslenti, CTYL, SGRH, SGRH, CAVK, CAVK, CAVK, CAVK, ERIK, ERIK, COPA, COPA, SLPV, SLPV, IORL, IORL, MANR, MANR, MPEP, MPEP, MPEP, MPEP, HUMR, HUMR.

14d 18h

Table with columns: Code, Station Name, Az, El, S, P, Time, Res, ISC. Includes stations like TLBR Topalu, ISR Istrita, TPGR Topologi, etc.

DJA 14 18:02:17.4-0.1, 6'S, 2°10'5E, h10km, M5, 0/5, m5, 0/5, m5, 5/42, MLV, 2/25, Mw4.7/6, Mw(MB)5.0/42, MwMwp4.6/5, Mwmp5.0/5
IDC 14 18:02:18.2-0.4, 5.91S, 105.31E, h0km, mb, 4.8/36, mbmp4.8/38, ML3.2/1, MS4.1/20, Error ellipse: s-maj=13.5km s-min=9.0km az=48.0
NEIC 14 18:02:22.8-1.8, 6.28S, 0.06E, 105.21E, 0.07, h50km, 6km, m5, 2/82, Mw4.9/7, Error ellipse: s-maj=11.1km s-min=8.1km az=61.0
ISC 14 18:02:19.3-0.8, 6.19S, 0.04, 105.34E, 0.04, h13km, 4km, m5, 6/219/478, m5, 1/121, MS4.2/33, 49C-1D, Sunda Strait

Main table of station data with columns: Code, Station Name, Az, El, S, P, Time, Res, ISC. Includes stations like SBJI Serang, BLSI Bandar Lampung, KAGI Kota Agung, etc.

2018 APR

Main table of seismic event data with columns: SOEI, S, P, Time, Res, ISC. Includes events like 19.07 102, 19.07 102, 19.07 102, etc.

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Main table of station data with columns: Code, Station Name, Az, El, S, P, Time, Res, ISC. Includes stations like ASAR, AS31 Alice Springs, H08S3 Diego Garcia, etc.







Table with columns: Station, Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like SHK, SHO, NEM, NMR, etc.

Table with columns: Station, Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like KSRS, JUNU, SEY, YAK, etc.

Table with columns: Station, Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like CMAR, ARU, YKA, etc.

14d 18h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like SOKA Soboth, KBA Koelnbreinsper, OBKA Obir, WATA Walderalm, etc.

IDC 14 18:13:55.8;10.0, 6.51Sx130.06E, h118km, 102km, mb3.2/1, mbtmp3.8/4, ML3.9/3, Error ellipse: s-maj=107.5km s-min=33.3km az=46.0, NEIC 14 18:13:59.9;1.6, 6.60S;0.08x129.72E;0.07, h177km, 20km, mb4.5/4, Error ellipse: s-maj=13.5km s-min=7.2km az=146.0

DJA 14 18:13:59.6;0.6, 7.54x133.0E, h218km, 15km, M4, 1/9, mb3.9/8, ML4.4/2/9, ISC 14 18:13:59.6;0.7, 6.76S;0.06x129.85E;0.05, h200km, n25, az=256/33, Banda Sea

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like SAUI Saumlaki, FAKI Fak Fak, MTN Mantion Dam, BATI Baumata, etc.

BUI 14 18:34:09.5;0.0, 40.70N;29.30W, h5km, mb5.0/41, mb5.5/19, Ms5.2/24, Ms7.5/0/24, IDC 14 18:34:10.8;0.4, 40.71N;29.39W, h0km, mb4.5/35, mbtmp4.5/36, ML4.2/1, MS4.4/5, Error ellipse: s-maj=13.6km s-min=10.3km az=160.0

GCMT 14 18:34:11.6;0.1, 40.86N;0.01;29.29W;0.1, h12km, MW5.2/139, Moment Tensor Solution. s0, c84; s139, c245; Duration: 1s0 Moment tensor: Scale 1017 Nm; Mn=0.77±.01; M0=0.06±.01; M0=0.70±.01; M0=0.28±.04; M0=0.02±.01; M0=0.05±.03; Best double couple: Mo: 0.77000±0.1017 Np1: 0.345, 0.00000; 0.49, 0.00000; -1.13, 0.00000; NP2: 0.197, 0.00000; 0.46, 0.00000; -1.66, 0.00000; Principal axes: T: 0.070, Plg2: 0.000; Az=91.00000; P: 0.1450, Plg1: 0.00000; Az=0.00000; P: -0.8520, Plg3: 0.00000; Az=186.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

IGIL 14 18:34:12.4; 40.71N;29.32W, h10km, Mb4.6, NEIC 14 18:34:12.6; 1.5, 40.70N;0.08;29.2W;0.1, h10km, 1km, mb5.1/471, Error ellipse: s-maj=13.4km s-min=12.6km az=249.0

SVSA 14 18:34:13.5;1.6, 40.74N;29.20W, h10km, ML4.1(INMG), Error ellipse: s-maj=8.1km s-min=4.8km az=86.0, MOS 14 18:34:14.1; 1.0, 40.69N;29.29W, h31km, mb5.2/79, MS4.7/17, Error ellipse: s-maj=7.6km s-min=4.2km az=46.1

ISC 14 18:34:12.7;0.5, 40.63N;0.04;29.18W;0.03, h12km, 2km, h12km; pP-P, n1210, s1s36/1109, mb5.1/373, MS4.9/51, 40C-21D, Azores Islands region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like HOR7N1 FLORES T-PHASE, SBRC Serra Branca, ROSA Rosais, etc.

2018 APR

Main table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like HOR, PMAN Manadas, PICO Pico, PCAN Candelaria, etc.

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Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like PAB San Pablo, ESDC Sonseca Array, ESBB Sonseca Array, etc.



Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like VRI Vrincoiaia, ARCES ARCESS Array B, ACSO Alum Creek Sta, etc.

Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like KLMR comp=Z,44nm,1.3s, SIM Simerforop, ANTO Ankara, etc.

Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like TUL3 Leonard, T35A Sooner Cattle, GOF KIV Kislodovsk, etc.



14d 18h

2018 APR

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like D19K Kuna River, CTGM Chitina Glacie, CTG Chitina Glacier, etc.

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like BC3 Big Chuckwall, MPMC Manual Prospec, D17K Noatak River, etc.

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like L19K White Mountain, M19K Big River Lodg, M19K Big River Lodg, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like LVC, R16K, ARXS, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like KLR, PLCA, XLT, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like PFVI, MORF, MTE, etc.

ADC 14 18:35:05.2,0.7,40.97N:29.50W,h0km,mb4.2/24, mblmp4.2/25,ML3.8/1,Error ellipse: s-maj=18.1km s-min=15.8km az=2.0

ADC 14 18:38:08.1:0.9,19.15N:108.35W,h0km,mb4.1/10, mblmp4.1/15,ML4.3/4,MS4.0/22,Error ellipse: s-maj=34.0km s-min=19.6km az=74.0

s-min=10.8km az=231.0
GCMT 14 18:38:10.1,-0.9,32N,0.02,-108.34W,0.03,h20km,1km,
MW4,9/89,Moment Tensor Solution. s12,c15; s89,c124;
Duration: 0 Moment tensor: Scale 10^16Nm; Mr-0.92; L16;
Mw-1.58; L10; Mw2-5.0; L14; Mw-0.77; L21; Mw-1.59; L10;
Ms-1.51; L26; Best double couple: M0.2933000,1016
NP1.298.00000,688.00000,153.00000. NP2:
0.29.00000,683.00000,12.00000. Principal axes: T
3.6630, P1g20.0000, Azm250.0000; N -1.4600.
P1g63.0000, Azm115.0000; P -2.2030, P1g18.0000,
Azm347.0000. ns1at refers to body waves, cutoff=40s.
ns12at refers to surface waves, cutoff=50s. Triangular
moment-rate function

MEX 14 18:38:13.0,0.6,19.12N,107.97W,h16km,102km,MD4.4
ISC 14 18:38:10.0,0.6,19.22N,108.007,107.99W,0.06,h10km,
n586,r1906/539,mb4.6/76,MS4.2/21,Off coast of Jalisco

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual. Lists various seismic stations and their recorded data points.

Table with columns: Station Name, Magnitude, Azimuth, Phase ID, Time, Residual. Lists seismic stations with their respective magnitude and phase information.

Table with columns: Station Name, Magnitude, Azimuth, Phase ID, Time, Residual. Lists seismic stations with their respective magnitude and phase information.





14d 18h

Table of station data for 14d 18h, including station names, codes, and various parameters like frequency and power.

2018 APR

Main table of station data for 2018 APR, listing station names, codes, and detailed parameters.

928

Table of station data for 928, including station names, codes, and various parameters.

NMR	Nemuro-Hokkai	7.54 240	eP	Pn	18 58 51.4	-0.5
NMR	Nemuro-Hokkai	7.54 240	ePN	Pn	18 58 50.9	-1.0
YSS	Yuzh-Sakhalins	8.13 270	eP	Pn	18 59 02.0	+2.2
YSS	comp-Z, 10.0nm, 0.5s		AMB	AMB	18 59 05.8	
YSS	comp-Z, 10.0nm, 0.5s	8.13 270	ePN	Pn	18 59 03.1	+3.3
YSS	Yuzh-Sakhalins		eS	Sn	19 00 31.2	+0.8
YSS	comp-Z, 10.0nm, 0.5s		pmax	pmax		
JKA	Kamikawa-asahi	9.09 252	eP	Pn	18 59 14.3	+1.2
ASAJ	Asahi	9.09 252	P	Pn	18 59 14.3	+1.1
MJAR	Matsushiro Arr	16.41 234	P	Pn	19 00 53.1	+1.2
KSR5	Korea Array	22.05 253	P	P	19 01 55.1	-0.8
H1N12	WAKE ISLAND Hy	29.48 156	T	T	19 34 19.5	
H1N11	WAKE ISLAND Hy	29.50 156	T	T	19 34 21.3	
H1N3	WAKE ISLAND Hy	29.50 156	T	T	19 34 22.4	
H1S11	WAKE ISLAND Hy	30.59 157	T	T	19 35 47.1	
H1S3	WAKE ISLAND Hy	30.60 157	T	T	19 35 47.7	
H1S2	WAKE ISLAND Hy	30.61 157	T	T	19 35 58.6	
MKAR	Makanchi Array	47.51 297	P	P	19 05 32.0	-4.0
KURK	Kurchatov Arr	47.80 304	eP	P	19 05 36.4	-1.7
KURK	Kurchatov	47.80 304	P	P	19 05 36.4	-1.7
KURB	Kurchatov Arr	47.80 304	P	P	19 05 36.4	-2.4
BVAR	Goroyev Array	51.17 310	P	P	19 06 01.7	-2.0
CMAR	Chiang Mai Arr	53.58 257	P	P	19 06 21.8	-0.3
FINES	FINES Array B	63.76 335	P	P	19 07 30.8	-1.5
HFS	Hagfors	68.07 340	P	P	19 07 59.3	-0.7
WRA	Warramunga Arr	69.62 200	P	P	19 08 10.7	+0.6
ASAR	Alice Springs	73.31 200	P	P	19 08 33.6	+1.3
TXAR	Lajitas Array	76.18 62	P	P	19 08 51.0	+1.9
MMAI	Mount Airy	83.07 312	P	P	19 09 26.1	-0.4
LPAZ	La Paz	133.03 63	PkP	PkPpre	19 16 10.8	
H03N2	Juan Fernandez	137 90 91	T	T	21 49 52.5	
H03N1	Juan Fernandez	137 92 91	T	T	21 49 53.8	
H03N3	Juan Fernandez	137 92 91	T	T	21 49 50.3	

IDC 14 19:06:06.5:2.7, 43.28N; 105.06W, h0km, mb2.4/1, mbmp2.9/3, ML2.0/1, Error ellipse: s-maj=47.0km s-min=11.4km az=154.0  
 NEIC 14 19:06:08.1:1.3, 43.61N; 105.06:105.2W; 0.1, h0km, 1km, mb4.7/2.6, Error ellipse: s-maj=12.9km s-min=9.3km az=74.0

ISC 14 19:06:08.5:1.0, 43.60N; 105.05:105.14W; 0.06, h0km, n23, s142/22, Wyoming  
 Code Station Name Az AZ Phase ID Time Res  
 RSSD Black Hills 0.95 57 Op ISC 19 06 27.0 -1.0  
 K22A Casper 1.39 227 Pp Pp 19 06 32.4 -1.8  
 K22A comp=N, 165nm, 0.3s IAML 19 06 59.2

PHWY Pilot Hill 2.31 186 Pn Pn 19 06 48.8 +0.7  
 PHWY comp=N, 84nm, 0.5s IAML 19 07 27.8  
 PHWY comp=N, 46nm, 0.4s IAML 19 07 31.8  
 RWWY Rawlins 2.45 219 Pn Pn 19 06 51.1 +1.1  
 RWWY comp=N, 99nm, 0.7s IAML 19 07 40.0  
 RWWY comp=N, 96nm, 0.7s IAML 19 06 55.1 +0.7  
 N23A Red Feather La 2.77 193 Pn IAML 19 07 01.1 +1.6  
 N23A comp=E, 65nm, 0.7s IAML 19 07 00.1 +1.6  
 BRIGG Briggsdale 3.08 168 Pn Pn 19 07 01.1 +1.6  
 LAO LASA Array 3.18 346 Pn Pn 19 07 01.1 +1.6  
 RLMT Red Lodge 3.33 299 Pn Pn 19 07 01.9 -0.1  
 RLMT comp=E, 37nm, 0.4s IAML 19 08 49.8  
 RLMT comp=E, 26nm, 3.9s IAML 19 08 49.8

ATAH	Atahualpa	3.92 282	P	Pn	19 27 25.9	+0.5
ATAH	437nm, 0.4s, baz=74, slow=5.8, SNR=450		S	Sn	19 28 10.2	-1.3
ATAH	1µm, 0.7s, baz=244, slow=20, SNR=7.1		P	Pn	19 27 35.1	+1.1
NNA	Nana	4.60 209	Pn	Sn	19 28 24.7	-2.5
NNA	Nana	4.60 209	Pn	Pn	19 27 35.2	+1.1
NNA	56nm, 0.3s, baz=1.3, slow=8.4, SNR=24		S	Sn	19 28 25.2	-1.9
NNA	164nm, 0.4s, baz=71, slow=14, SNR=13		LR	LR	19 29 34.5	
TBTG	Tabatinga, AM	5.93 51	Pn	Pn	19 27 52.1	+0.4
TBTG	Tabatinga, AM	5.93 51	eP	Pn	19 27 51.9	+0.2
CHSH	Chesapeake	7.04 303	P	Pn	19 28 06.3	-0.2
CHSH	Refugio Sur-Vo	7.74 326	Pn	Pn	19 28 16.9	+0.4
SLOR	San Lorenzo -	8.20 331	Pn	Pn	19 28 23.2	+0.8
ETMB	Extrema	8.42 103	Pn	Pn	19 28 23.5	-1.5
ETMB	Extrema	8.42 103	eP	Pn	19 28 22.9	-2.0
IMBA	Imbabra, San	8.96 336	Pn	Pn	19 28 31.3	0.0
LPAZ	La Paz	10.37 144	Pn	Pn	19 28 50.4	-1.1
LPAZ	La Paz	10.37 144	Pn	Pn	19 28 50.9	-0.5
LPAZ	12nm, 0.5s, baz=338, slow=9.7, SNR=39		Pn	Pn	19 28 50.9	-0.5
TEFE	Tefe	10.73 66	eP	Pn	19 28 57.1	+0.7
SAML	Samuel	11.27 96	Pn	Pn	19 29 00.2	-2.5
PB16	IPOC Station P	11.41 155	Pn	Pn	19 29 05.9	+0.8
PB11	IPOC Station P	12.64 159	Pn	Pn	19 29 20.3	-0.4
ROSC	Ei Rosal	12.72 11	Pn	Pn	19 29 21.3	-0.7
ROSC	Ei Rosal	12.72 11	P	Pn	19 29 20.3	-1.7
PB08	IPOC Station P	13.18 157	Pn	Pn	19 29 26.4	-1.4
PB01	IPOC Station P	13.89 160	Pn	Pn	19 29 36.9	+0.3
PB02	IPOC Station P	14.01 162	Pn	Pn	19 29 38.8	+0.7
PB07	IPOC Station P	14.40 152	Pn	Pn	19 29 42.7	-0.4
MACA	Manacora-AM	14.58 172	Pn	Pn	19 29 45.3	-2.9
MACA	Manacora-AM	14.58 172	Pn	Pn	19 29 45.7	-0.8
PB04	IPOC Station P	14.90 164	Pn	Pn	19 29 49.5	+0.2
VILB	Vilhena	14.94 111	Pn	Pn	19 29 49.3	-0.4
VILB	Vilhena	14.94 111	eP	Pn	19 29 49.9	+0.2
PB05	IPOC Station P	15.85 165	Pn	IAMB	19 29 55.8	+0.4
PB05	IPOC Station P	15.85 165	IAMB	IAMB	19 29 60.0	
SIV	San Ignacio	15.99 122	P	Pn	19 29 55.2	-0.1
SIV	comp-Z, 37nm, 0.5s, baz=303, slow=12, SNR=87		S	Sn	19 32 39.3	-7.2
LVC	Limon Verde	15.53 160	Pn	Pn	19 29 56.4	-1.0
LVC	Limon Verde	15.53 160	Pn	Pn	19 29 58.6	+1.3
LVC	comp-Z, 4.0nm, 0.4s, baz=343, slow=9.4, SNR=3.9		S	Sn	19 32 55.3	+2.1
LVC	comp-Z, 6.9nm, 0.9s, baz=294, slow=20, SNR=1.9		S	Sn	19 29 58.3	+0.9
AF01	San Pedro de A	16.11 158	P	Pn	19 30 03.6	-0.7
BGSD	Serra de San D	16.38 125	eP	Pn	19 30 06.0	-1.4
PTLB	Pontes e Lacer	16.80 118	P	Pn	19 30 12.2	-0.1
PTLB	Pontes e Lacer	16.80 118	IAMB	IAMB	19 30 15.5	
PTLB	Pontes e Lacer	16.80 118	eP	P	19 30 12.3	+0.1
SDV	Santo Domingo	17.18 113	P	P	19 30 16.2	-0.4
SDV	Santo Domingo	17.18 113	P	P	19 30 15.9	-0.7
SDV	comp-Z, 4.4nm, 0.3s, baz=262, slow=4.9, SNR=11		S	Sn	19 33 26.7	-1.7
SDV	comp-Z, 5.7nm, 0.6s, baz=343, slow=14, SNR=2.7		S	Sn	19 30 18.5	+1.2
PAYG	Puerto Ayora	17.29 294	P	P	19 30 18.7	+1.1
BOAV	Boa Vista	17.35 54	P	P	19 30 18.9	+0.6
BOAV	Boa Vista	17.35 54	IAMB	IAMB	19 30 22.6	
BOAV	Boa Vista	17.35 54	eP	P	19 30 19.0	+0.7
PDRB	Porto das Gac	17.91 103	eP	P	19 30 24.9	+0.5
BAUV	Ei Baul	18.00 21	P	P	19 30 25.4	+0.1
BAUV	Ei Baul	18.00 21	IAMB	IAMB	19 30 56.5	
AC01	Pen de Azucar	18.47 169	P	P	19 30 31.1	+0.7
CLDB	Colider	18.71 100	eP	P	19 30 33.9	+0.8
ITTB	Itaituba	19.02 80	eP	P	19 30 36.8	+0.2
NPGB	Novo Progresso	19.03 89	eP	P	19 30 36.7	0.0
AC06	Mina Casimiro	19.69 169	P	P	19 30 44.4	+0.7
AC06	Mina Casimiro	19.69 169	IAMB	IAMB	19 30 46.3	
SALV	San Antonio	20.04 115	eP	P	19 30 47.8	+0.3
PCRV	Puerto La Cruz	20.54 29	P	P	19 30 51.5	-1.4
SALV	comp-Z, 5.6nm, 0.6s, baz=339, slow=2.4, SNR=1.2		S	Sn	19 30 60.6	+0.6
JTS	Las Juntas de	20.89 330	P	P	19 30 55.1	-1.5
JTS	comp-Z, 2.8nm, 0.5s, baz=288, slow=20, SNR=1.6		S	Sn	19 30 58.8	+0.2
MALB	Monte Alegre	21.08 74	eP	P	19 31 05.8	+0.2
AC05	San Transito	21.18 113	P	P	19 31 05.1	0.0
BQDN	Bodoquena, MS	21.21 128	eP	P	19 30 59.5	-0.5
LCO	Las Campanas	21.25 171	P	P	19 31 01.2	+0.6
MURT	Porto Murtinho	21.25 132	eP	P	19 30 59.8	-0.7
RVDE	Rio Verde (Bra	21.97 122	eP	P	19 31 07.9	-0.2
AC08	Aquidauana	22.06 126	P	P	19 31 08.8	-0.1
AC08	Aquidauana	22.06 126	IAMB	IAMB	19 31 39.9	
AQ0B	Aquidauana	22.06 126	eP	P	19 31 09.4	+0.5
SNDB	Serra Nova Dou	23.23 102	P	P	19 31 19.1	-0.9
CO02	Combarbal	23.36 172	P	P	19 31 21.6	+0.4
CO02	Combarbal	23.36 172	IAMB	IAMB	19 31 24.3	
ARAG	Araguaiana, MT	23.51 111	eP	P	19 31 23.2	+0.5
MCPB	Macapa, AP	23.64 72	eP	P	19 31 23.8	-0.1
GRGR	Gravataia	23.72 33	P	P	19 31 25.0	+0.5
AMBA	Amambai (Brazi	23.95 131	P	P	19 31 31.5	+0.5
CPUP	Villa Florida	24.52 140	P	P	19 31 30.6	-1.1
CPUP	Villa Florida	24.52 140	P	P	19 31 30.3	-1.4
VA03	San Esteban	24.95 172	P	P	19 31 36.0	+0.4
VA03	San Esteban	24.95 172	IAMB	IAMB	19 31 41.0	
BO04	La Puntita	26.15 173	P	P	19 31 46.9	+0.5
FDVF	Fort de France	26.17 119	eP	P	19 31 42.2	-0.5
ITRB	Itambara	26.17 119	eP	P	19 31 46.1	-0.6
SMTB	Santa Maria do	26.67 94	eP	P	19 31 52.8	+1.5
MLPR	Magueyres Islan	26.81 16	P	P	19 31 52.7	+0.4
OBIP	Obispo Ponce	27.00 17	P	P	19 31 54.1	+0.1
OBIP	Obispo Ponce	27.00 17	IAMB	IAMB	19 32 00.4	
BDFB	Brasilia	27.03 109	P	P	19 31 55.4	+0.8
BDFB	Brasilia	27.03 109	IAMB	IAMB	19 32 29.1	
BDFB	Brasilia	27.03 109	P	P	19 31 54.2	-0.4
BDFB	comp-Z, 4.2nm, 0.3s, baz=270, slow=13, SNR=11		P	P	19 32 26.2	+0.5
BDFB	comp-Z, 1.2nm, 0.6s, baz=264, slow=9.7, SNR=7.0		P	P	19 31 54.1	-0.3
CELP	Cerrillos	27.04 17	P	P	19 32 06.5	
CELP	Cerrillos	27.04 17	IAMB	IAMB	19 32 06.5	
PTBG	Pitanga	27.17 130	eP	P	19 31 54.8	-0.8
LDASE	Londrina, Braz	27.20 127	eP	P	19 31 54.8	-1.2
ITOB	Itaqui	27.37 144	P	P	19 31 58.9	+0.5
ITOB	Itaqui	27.37 144	IAMB	IAMB	19 32 30.7	
ITOB	Itaqui	27.37 144	eP	P	19 31 57.1	-0.2
CRSM	Crisiumal (Br	27.45 138	eP	P	19 31 57.9	-0.2
IPMB	Ipameria, GO	27.47 114	eP	P	19 31 58.9	+0.4
ITAB	Concordia	28.60 135	P	P	19 32 07.2	-1.1
ALGR	Alto Alegre (B	28.98 138	eP	P	19 32 13.6	+1.9
SDBA	SAO DESIDERIO	29.48 101	eP	P	19 32 17.3	+1.0
CPSB	Capacava Do S	29.81 141	eP	P	19 32 19.7	+0.7
JANB	Janaria	30.61 106	eP	P	19 32 25.3	+0.7
PLTB	Pedras Altas	30.67 143	eP	P	19 32 14.3	+1.3
PLTB	Pedras Altas	30.67 143	eP	P	19 32 25.7	-0.8
TEIG	Tepecik	31.11 334	P	P	19 32 30.9	+0.4
BSCB	Bom Sucesso	31.52 117	eP	P	19 32 33.6	-0.6
GO06	Curarehue	31.60 175	P	P	19 32 35.3	+0.6
GO06	Curarehue	31.60 175	IAMB	IAMB	19 32 37.9	
DIAM	Diamantina, MG	31.71 112	eP	P	19 32 36.7	+0.7
TRAQ	Tranquist	32.04 161	P	P	19 32 38.5	0.0
LR05	Currie	32.21 176	P	P	19 32 40.5	+0.7
PLCA	Paso Flores	32.82 174	P	P	19 32 46.1	+0.8
PLCA	Paso Flores	32.82 174	IAMB	IAMB	19 32 46.7	
PLCA	comp-Z, 9.7nm, 0.6s		P	P	19 32 46.2	+0.9
PLCA	comp-Z, 7.2nm, 0.5s, baz=350, slow=9.9, SNR=59		P	P	19 35 27.2	+0.3
PLCA	comp-Z, 1.6nm, 0.7s, baz=321, slow=2.0, SNR=3.2		P	P	19 35 27.2	+0.3

IDC 14 19:26:26.3:0.4, 7.86S; 74.41W, h151km, 3km, mb4.2/22,

Y22F	Pascal Instru	51.87	326	P	P	19 35 17.1	-2.2
LBNH	Lisbon	52.01	2	P	P	19 35 19.4	-0.6
CBKS	Cedar Bluff	52.11	335	P	P	19 35 19.7	-1.2
ANMO	Albuquerque	52.26	327	P	P	19 35 22.9	+0.6
ANMO	Albuquerque	52.26	327	P	P	19 35 20.8	-1.5
LONY	Lake Ozonia	52.34	360	P	P	19 35 22.7	+0.3
FRNY	Flat Rock	52.56	1	P	P	19 35 23.5	-0.5
JFWS	Jewell Farm	52.62	345	P	P	19 35 23.6	-0.9
WBO	Williamsburg	52.72	359	P	P	19 35 25.4	+0.2
WBO	Williamsburg	52.72	359	P	P	19 35 25.8	
T25A	Trinidad	52.87	330	P	I	19 35 27.4	+0.7
T25A	Trinidad	52.87	330	P	I	19 35 28.9	
T25A	Trinidad	52.87	330	P	P	19 35 26.5	-0.2
TUC	Tucson	52.90	321	P	P	19 35 27.4	+0.5
TUC	Tucson	52.90	321	P	P	19 35 26.4	-0.5
PKME	Peaks-Kenny Pk	53.19	5	P	P	19 35 28.6	0.0
PKME	Peaks-Kenny Pk	53.19	5	P	P	19 35 28.0	+0.7
PKME	Peaks-Kenny Pk	53.19	5	P	P	19 35 28.4	-0.4
G65A	Princeton	53.29	6	P	P	19 35 29.4	+0.1
G65A	Princeton	53.29	6	P	P	19 35 29.0	+0.4
GLMI	Grayling	53.33	351	P	P	19 35 29.3	-0.3
BGNE	Belgrade	53.70	338	P	P	19 35 32.1	-0.4
SDCO	Great Sand Dun	53.89	330	P	I	19 35 35.1	+0.8
SDCO	Great Sand Dun	53.89	330	P	I	19 35 36.2	
SDCO	Great Sand Dun	53.89	330	P	P	19 35 33.5	-0.8
214A	Organ Pipe Nat	53.95	319	P	P	19 35 33.7	-0.9
W18A	Petrified Fore	54.22	324	P	P	19 35 36.0	-0.6
Q24A	Divide	54.67	331	P	P	19 35 38.8	-1.1
X16A	Lo Mia Camp, P	54.74	323	P	P	19 35 41.6	+1.2
OGNE	Ogallala	54.85	335	P	P	19 35 40.5	-0.4
MVCO	Mesa Verde	55.04	327	P	P	19 35 42.1	-0.5
ECSD	EROS Data Cent	55.22	341	P	P	19 35 42.6	-0.8
ECSD	EROS Data Cent	55.22	341	P	P	19 35 42.4	-0.8
SPMN	Marine on St.	55.44	344	I	I	19 35 44.6	
SPMN	Marine on St.	55.44	344	P	P	19 35 44.7	-0.2
SPMN	Marine on St.	55.44	344	P	P	19 35 44.6	-0.3
WUAZ	Wupatki	55.45	324	P	I	19 35 46.0	+0.5
WUAZ	Wupatki	55.45	324	P	I	19 35 47.7	
WUAZ	Wupatki	55.45	324	P	P	19 35 45.1	-0.3
ISCO	Idaho Springs	55.55	331	P	P	19 35 46.6	+0.4
ISCO	Idaho Springs	55.55	331	P	P	19 35 45.2	-1.0
PDMCI	Parker Dam,Lak	56.33	321	P	P	19 35 51.0	-0.4
IKP	In-Ko-Pah, Jac	56.55	318	P	P	19 35 52.2	-1.0
N23A	Red Feather La	56.56	332	P	P	19 35 53.3	0.0
BC3	Big Chuckwall	56.75	319	P	P	19 35 54.3	-0.3
HMU	Henry Mountain	56.80	326	P	I	19 35 55.9	+0.9
HMU	Henry Mountain	56.80	326	P	I	19 35 59.0	
IRM	Iron Mountain	56.87	320	P	P	19 35 54.6	-0.8
MONP2	Monument Peak	56.91	318	P	P	19 35 55.4	-0.9
O20A	White River Ci	57.09	330	P	P	19 35 56.9	-0.1
109C	Camp Elliot, M	57.36	317	P	P	19 35 58.0	-0.8
TPFO	Pinon Flats	57.37	319	P	P	19 35 58.5	-0.5
PFO	Pinon Flats O	57.38	319	P	P	19 35 58.6	-0.5
RMWC	Granite Mounta	57.59	320	P	P	19 35 59.9	-0.6
GWY	Rawlins	57.78	331	P	I	19 36 02.0	+0.2
RWWY	Rawlins	57.78	331	P	I	19 36 04.3	
HEC	Hector,Ludlow	58.05	320	P	P	19 36 03.7	0.0
TUC	Turquoise Moun	58.17	321	P	P	19 36 03.5	-1.1
K22A	Casper	58.21	333	P	P	19 36 03.9	-0.8
RSSD	Black Hills	58.31	335	P	I	19 36 06.2	+0.7
RSSD	Black Hills	58.31	335	P	I	19 36 07.4	
RSSD	Black Hills	58.31	335	P	P	19 36 03.0	-2.5
SHPR	Sheep Range	58.39	322	P	P	19 36 07.0	+0.9
SHOC	Shoshone, Teco	58.59	321	P	P	19 36 08.7	+0.7
DLNL	Deer Lake	59.00	344	P	P	19 36 08.9	-0.3
AGMN	Agassiz Nation	59.09	344	P	P	19 36 10.0	-0.5
AGMN	Agassiz Nation	59.09	344	P	P	19 36 10.1	-0.5
LRMC	Laurel Mtn Rd	59.32	320	P	P	19 36 12.5	0.0
FURC	Furnace Creek,	59.42	321	P	P	19 36 13.3	+0.4
DUG	Dugway, Tooele	59.53	327	P	I	19 36 14.8	+0.9
DUG	Dugway, Tooele	59.53	327	P	I	19 36 16.0	
DUG	Dugway, Tooele	59.53	327	P	P	19 36 13.9	0.0
MPMC	Manual Prospec	59.55	320	P	P	19 36 14.0	-0.2
BW06	Boulder Array	59.72	331	P	P	19 36 15.4	+0.2
PDAR	Pinedale Array	59.72	331	P	P	19 36 14.9	-0.4
PDAR	Pinedale Array	59.72	331	P	P	19 36 15.2	-0.1
PDAR	Pinedale Array	59.72	331	P	P	19 37 00.2	-0.4
MDND	Madlock	59.83	341	P	P	19 36 16.0	+0.4
R11B	Troy Canyon, C	59.85	323	P	P	19 36 17.2	+1.0
R11B	Troy Canyon, C	59.85	323	P	P	19 36 16.5	+0.3
ISA	Isabella, Lake	59.94	319	P	P	19 36 16.8	+0.1
CWC	Cottonwood Cre	60.16	320	P	P	19 36 19.1	+0.8
PKM	Mpgherson Peak	60.36	318	P	P	19 36 20.4	+0.7
VES	Vestal, Richgr	60.45	319	P	P	19 36 21.2	+1.2
SMMC	Simmier	60.73	318	P	P	19 36 22.9	+0.9
LOHW	Long Hollow	60.86	331	P	I	19 36 23.1	+0.1
LOHW	Long Hollow	60.86	331	P	I	19 36 24.4	
ULM	Lac du Bonnet	60.87	344	P	P	19 36 21.4	-1.2
ULM	Lac du Bonnet	60.87	344	P	P	19 36 21.6	-1.0
ULM	Lac du Bonnet	60.87	344	P	P	19 36 57.0	-0.8
ELK	Elko	61.25	326	P	P	19 36 25.9	+0.2
LAO	LASA Array	61.29	336	P	I	19 36 25.6	0.0
LAO	LASA Array	61.29	336	P	I	19 36 26.4	
LAO	LASA Array	61.29	336	P	P	19 36 26.3	+0.7
MLAC	Mammoth, Mammo	61.37	321	P	P	19 36 26.6	0.0
RLMT	Red Lodge	61.38	333	P	P	19 36 26.5	+0.1

RLMT	comp=Z,12nm,1.0s					19 36 27.8	
RLMT	Red Lodge	61.38	333	P	P	19 36 27.0	+0.6
H17A	Grant Village	61.43	331	P	P	19 36 27.6	+0.7
LKWW	Lake	61.48	332	P	P	19 36 27.6	+0.5
LKWW	Lake	61.48	332	P	I	19 36 29.6	
NVAR	Alm Array Bea	61.54	322	P	P	19 36 28.2	+0.6
NVAR	Alm Array Bea	61.54	322	P	P	19 37 02.9	0.0
YHH	Holmes Hill	61.86	331	P	P	19 36 31.1	+1.3
DGMT	Dagmar	61.96	338	P	P	19 36 30.8	+0.8
HLID	Hailey	62.74	328	P	P	19 36 36.0	+0.5
HLID	Hailey	62.74	328	P	P	19 36 35.8	+0.3
BOZ	Bozeman (W)	62.83	332	P	I	19 36 36.5	+0.5
BOZ	Bozeman (W)	62.83	332	P	I	19 36 37.6	
BOZ	Bozeman (W)	62.83	332	P	P	19 36 36.2	+0.2
SCHO	Schefferville	62.89	5	P	P	19 36 35.7	-0.4
SCHO	Schefferville	62.89	5	P	P	19 36 35.3	-0.8
SCHO	Schefferville	62.89	5	P	P	19 37 10.8	-0.6
EGMT	Eagleton	63.82	334	P	P	19 36 42.7	+0.3
EGMT	Eagleton	63.82	334	P	P	19 36 43.0	+0.6
LYMT	Lyon Mountain	64.15	332	P	P	19 36 45.5	+0.8
ORV	Oroville	64.20	321	P	I	19 36 45.9	+1.0
ORV	Oroville	64.20	321	P	I	19 36 47.4	
MSO	Missoula	64.82	331	P	P	19 36 50.0	+1.0
BMO	Blue Mountains	65.12	328	P	P	19 36 52.0	+0.9
I07A	Izee	65.86	326	P	I	19 36 56.5	+1.0
I07A	Izee	65.86	326	P	I	19 36 57.5	
J05D	Fort Rock, OR	66.30	325	P	I	19 36 59.3	+0.7
J05D	Fort Rock, OR	66.30	325	P	I	19 36 59.9	
NEW	Newport	67.37	331	P	P	19 37 05.9	+0.8
LNW	Longview	68.77	327	P	I	19 37 14.3	+0.5
EDM	Edmonton	69.26	336	P	P	19 37 16.5	-0.3
LIC	Lamton	70.73	81	I	P	19 37 25.4	-1.1
TIC	Toumoudi	70.82	80	I	P	19 37 26.2	-0.8
DBIC	Dimbokro	70.98	80	I	P	19 37 27.2	-0.8
DBIC	Dimbokro	70.98	80	I	P	19 37 27.2	-0.8
KIC	Kosan Boka	71.04	80	I	P	19 37 27.4	-1.0
NUUK	Nuuk	73.97	10	I	P	19 37 45.7	+1.1
VNA3	Nuymayer Olymp	74.55	162	I	P	19 37 48.4	+0.3
VNA1	Nuymayer-Stat	74.77	162	I	P	19 37 46.7	-2.5
VNA1	Nuymayer-Stat	74.77	162	I	P	19 38 25.1	-0.6
VNA2	Nuymayer-Watz	75.14	162	I	P	19 37 52.0	+0.6
VNA2	Nuymayer-Watz	75.14	162	I	P	19 38 03.1	-1.1
MORF	Marmelete	76.73	49	eP	P	19 37 58.4	+0.7
PNCL	Nicolau / Gran	76.52	48	eP	P	19 37 59.7	-0.1
MESJ	Messejana	76.64	48	eP	P	19 38 01.0	+0.5
YKA	Yellowknife Ar	76.70	342	P	P	19 37 60.0	-0.3
YKA	Yellowknife Ar	76.70	342	P	P	19 38 37.6	+0.7
PCVE	Castro Verde	76.70	48	eP	P	19 38 02.1	+1.2
SNA4	Sanae	76.76	162	I	P	19 38 01.3	+0.6
SNA4	Sanae	76.76	162	I	P	19 38 02.4	
SNA4	Sanae	76.76	162	I	P	19 38 00.6	-0.1
SNA4	Sanae	76.76	162	I	P	19 38 37.2	0.0
SNA4	Sanae	76.76	162	I	P	19 38 01.5	+0.9
SNA4	Sanae	76.76	162	I	P	19 38 38.6	+1.3
PBEJ	Beja	76.97	48	eP	P	19 38 01.1	-1.3
DY2G	Dye2	77.05	11	I	P	19 38 00.8	-1.6
DY2G	Dye2	77.05	11	I	P	19 38 02.5	
PMTG	Montargil	77.09	47	eP	P	19 38 02.8	-0.2
PCBR	Castelo Branco	77.91	46	eP	P	19 38 07.1	-0.4
PCBR	Castelo Branco	77.91	46	eP	P	19 38 07.3	-0.4
PCBR	Castelo Branco	77.91	46	eP	P	19 38 08.3	+0.9
KOTAN	Kotaneleele Air	78.31	337	P	P	19 38 10.3	+1.1
TROLL	Troll, Antarti	78.48	162	I	P	19 38 10.9	+0.7
TOAD	Torodi Ar. Sit	78.54	75	P	P	19 38 10.6	-0.9
TORD	Torodi Ar. Bea	78.54	75	P	P	19 38 10.4	-1.1
TORD	Torodi Ar. Bea	78.54	75	P	P	19 38 10.4	-1.1
TORD	Torodi Ar. Bea	78.54	75	P	P	19 38 45.0	-3.3
MVO	Moncorvo	78.70	45	eP	P	19 38 11.1	-0.9
M3O	Bob Quinn	79.03	333	P	P	19 38 14.0	+0.7
PBRG	Braganca	79.13	45	eP	P	19 38 14.0	-0.3
WRAK	Wrangell Islan	79.70	331	P	P	19 38 17.9	+1.0
DLBC	Dease Lake	79.74	334	P	P	19 38 18.1	+0.8
U33K	Whale Pass	79.91	331	P	P	19 38 18.1	+0.1
S34M	Telegraph Cree	79.94	333	P	P	19 38 18.4	+0.2
PAB	San Pablo	80.08	48	P	P	19 38 19.3	-0.1
WRGLY	Wrigley	80.10	340	P	P	19 38 19.3	+0.4
WTLY	Watson Lake, Y	80.18	336	P	P	19 38 20.6	+1.2

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like PAX, M24K, RIDG, GLI, D28M, K24K, SCM, E27K, J25K, DOU, M23K, D27M, BMRD, G26K, KNK, WATY, SML, SEW, PRP, HDA, KEST, O22K, PMR, F26K, ILAR, ILAR, BMAR, WAT1, H25L, RC01, BS5E, WLF, POKR, G25K, COLA, M22K, F25K, MCK, DAG, KDAK, E25K, S25A, CAPN, CUT, H24K, NEA2, OHAK, G24K, TRF, C26K, I23K, SKT, SKT, F24K, N20K, D25K, H23K, P19K, Q19K, BPAW, MLY, PPLA, CAST, CAST, CHIR, G23K, M20K, CHUM, COLD, E23K, D24K, H22K, DAVOX, I21K, TOLK, C24K, DAVA, N19K, P18K.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like L20K, O18K, G22K, M19K, K20K, H21K, D23K, L19K, F22K, J20K, E22K, P17K, Q16K, C23K, N18K, M18K, G21K, I20K, R16K, O17K, D22K, WATA, TTA, WTTA, H20K, J19K, N17K, L18K, M17K, O16K, J18K, ABTA, B22K, H19K, GCSA, C21K, B21K, N16K, K17K, SDPT, M16K, G19K, E20K, O15K, A22K, D20K, E19K, L16K, H18K, F19K, CLL, CLL, G18K, NB2, NB2, NOA, NOA, B20K, A21K, D19K, M15K, MOA, O14K, S12K, H17K, J16K, F18K, I17K, N14K, L15K, G17K, K15K, C19K, M14K, LBTB, E18K, FALS, ARSA, F17K, HFS, HFS, L14K, CONA, C18K.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like H16K, E17K, A19K, G16K, M13K, B18K, J14K, RDOG, D17K, C17K, G15K, F15K, ANM, UNV, C16K, M11K, SPITS, F14K, TNA, NIKH, P08K, SPIA, GAMB, FINES, ABKAR, BVAR, BVAR, STKA, GEYT, GEYT, ZAAO, ZALV, ZALV, KURBK, KURBB, KURBB, MAK2, MK31, MKAR, MKAR, ASAR, ASAR, ASAR, MJAR, MJAR, SONM, SONM, SONM, WRA, WRA, WRA, KSR5, FITZ, CMAR, CMAR, CMAR, CMAR, LWLI, LWLI, KASI, PPSI, PPSI, DSI, DSI, CNJI, PBSI, UGM, H08S2, H08S3, H08S1, WRA, ASAR, SONM, MKAR, KURBB, H04N2, H04N1, H04N3, H04S1, H04S3, H04S2, TXAR.

IDC 14 19:43:59.4z, 3.3, 4.56S, 102°55E, h0km, mb3.5/5, mbtm3.5/5, Error ellipse: s-maj=142.3km s-min=23.2km az=54.0  
DJA 14 19:43:59.4z, 0.7, 5°S, 6°E, h21km, 6km, M4, 2/9, mb4.5/4, MLV4, 0/9  
ISC 14 19:44:01.5z, 1.3, 5.2S, 02°101.9E, 0.1, h36km, n23, 067/15, mb3.6/5, Southwest of Sumatera

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 stations like LWLI, LWLI, KASI, PPSI, PPSI, DSI, DSI, CNJI, PBSI, UGM, H08S2, H08S3, H08S1, WRA, ASAR, SONM, MKAR, KURBB, H04N2, H04N1, H04N3, H04S1, H04S3, H04S2, TXAR.

IDC 14 21:01:28.5,0.9,16.24S:173.45W,h0km,mb3.9/6, mbmp3.9/6,MS4-2.2, Error ellipse: s-maj=44.6km s-min=24.3km az=143.0

NEIC 14 21:01:32.2,1.3,16.18S:173.1W,0.2,h35km,2km, mb4.4/9, Error ellipse: s-maj=25.2km s-min=8.2km az=88.0

ISC 14 21:01:32.9,0.7,16.1S:173.4W,0.2,h35km,n29, c0883/21,mb4.2/9,Tonga Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, ISC. Rows include stations like AFJ Afiamalu, NIUZ Niue, RTZ Ruatahuna, HNR Honiara, etc.

IDC 14 21:07:18.4-4.7,36.26N:71.04E,h95km,31km,mb3.3/6, mbmp3.7/12, Error ellipse: s-maj=51.0km s-min=19.1km az=151.0

NNC 14 21:07:24.5,2.6,36.72N:70.79E,h129km,58km,mb3.3, mpv4.1, Error ellipse: s-maj=24.3km s-min=14.6km az=152.0

ISC 14 21:07:21.5,1.4,36.6N:70.84E,0.08,h100km,n27, c173/36,mb3.6/5,8C-6D,Hindu Kush region

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, ISC. Rows include stations like UCH Uchter, EKS2 Erkin-Say, KK31 Karatay Array, etc.

IDC 14 21:09:01.9,3.5,20.07S:175.96W,h0km,mb3.9/2, mbmp3.9/2, Error ellipse: s-maj=200.5km s-min=53.6km az=152.0,Tonga Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, ISC. Rows include stations like ASAR Alice Springs, WRA Warrungunga Arr, BRTR Keskin Array B, etc.

NNC 14 21:14:47.8,0.3,43.22N:78.23E,h3km,2km,mb2.7, mpv3.3, Error ellipse: s-maj=3.7km s-min=1.5km az=174.0

KRNET 14 21:14:48.4,0.1,43.23N:78.24E,h24km,mb2.6

SOME 14 21:14:49.0,43.22N:78.22E,h15km

ISC 14 21:14:49.0,0.8,43.22N:78.20E,0.01,h13km,4km, n76, c1838/147,22C-23D,Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, ISC. Rows include stations like ZHN Zhinshike, SATY Saty, KURS Kuram, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, ISC. Rows include stations like IZV Izvestkoviy, KTBS Karatobe, MTBS Matube, etc.

KK31 Karatay Array 5.63 271 Lg 21 17 47.6

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for IDC 14 21:22:30.2, 1.2, 36.47N, 83.68E, h0km, mb3.2/4, mbmp3.5/9, ML2.9/5, Error ellipse: s-maj=36.2km, s-min=19.6km, az=58.8.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for DJA 14 21:29:11.4, 0.3, 6'S, 9°10'55"E, h10km, M4.0/9, mb4.9/1, ML3.6/9, Sunda Strait.

IDC 14 21:37:43.7, 0.6, 40.79N, 29.21W, h0km, mb4.0/28, mbmp4.0/29, ML3.7/1, MS4.0/82, Error ellipse: s-maj=20.0km, s-min=12.7km, az=173.0. NEIC 14 21:37:46.2, 1.3, 40.55N, 0.09, 29.13W, h10km, 1km, mb4.7/126, Error ellipse: s-maj=15.4km, s-min=10.3km, az=354.0.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for Islands region, H07N1 FLORES T-PHASE 1.74 241 Pn, PGRA Graciosa 1.76 149 eP, PCED Cedros 1.94 170 eS.

Main table with columns: PSCM, Serra do Cume, 2.42 139 eP, Pn, Sn, A. Includes entries for Sete Cidades 3.80 135 eP, Cha da Macela 3.95 133 eP, Lagoa das Cont 4.03 132 eP, Casimiro, Conde 15.76 85 eP, Manteigas 16.44 83 eP, Estremoz 16.67 89 eP, Vaqueiros 16.95 94 eP, Barrancos 17.25 91 eP, Sonseca Array 19.27 84 P, Escadela 22.66 41 P, Chambon-Foret 23.57 61 P, Borges 24.67 8 LR, Saint Sauveur 25.01 68 P, Dourbes 25.38 57 dP, Maredous 25.52 56 dP, Gesves 25.74 56 dP, Rochefort 25.79 57 dP, Clavier 25.88 56 dP, Sart Tilman 26.07 56 dP, Houvezeg 26.32 56 dP, Walferdange 26.32 58 P, Membach 26.36 56 dP, Bardonecchia 26.53 68 P, Echery 26.61 61 P, Black Forest 27.64 61 P, Stuetta 28.33 65 P, Damuels 28.68 63 eP, Davos Dischmat 28.69 64 LR, Schefferville 28.71 33 LR, Kangerlussuaq 29.05 34 LR, Parfama 29.12 68 P, Feichten 29.26 64 iP, Allapoint, All 29.28 296 P, Moosalm 29.51 63 eP, Sankt Quirin 29.58 63 eP, Grafenberg 29.60 58 P, Grafenberg Arr 29.60 58 P.

Table with columns: GRF, Grafenberg Arr, 29.60 58 eP, P, 21 43 52.6 +1.4. Includes entries for WTTA Wattenberg 29.87 63 iP, MOX Moxa 29.91 56 eL, NKC Novy Kostel 30.42 57 AMS, KEST Kesra 30.48 87 LR, ABTA Abfallersbach 30.50 64 eP, CLL Collin 30.83 55 P, CLL Collin 30.83 55 P, ILULI Ilulissat 31.00 345 P, KBA Koelnbreispers 31.05 64 eP, HSKO Horia Svate Kat 31.06 57 AMS, KHC Kasperske Hory 31.13 60 P, KHC Kasperske Hory 31.13 60 P, BIOA Bad Ischl, Aus 31.21 62 iP, GERES GERESS Array B 31.22 60 P, GERES GERESS Array B 31.22 60 P, PRED BRG Berggiesshubb 31.24 65 eP, NORCA Norcia 31.40 72 P, GUMA Gualdo di Mace 31.52 71 P, MOA Molln 31.63 62 iP, PRU Prague 31.69 58 AMS, PRU Pruhonice 31.76 58 AMS, PVCC Panska Ves 31.79 57 AMS, OBKA Obkava 31.92 64 iP, NB2 NORSAR Subarra 31.98 37 P, NOA NORSAR Array B 31.98 37 P, NC602 NORSAR Array S 32.02 37 P, JMC Jan Mayen 32.28 12 LR, SUM Summit 32.44 35 P, ARSA Arzberg 32.52 63 eP, FRB Frobisher Bay 32.67 328 LR, CONA Conrad Observ 32.70 82 iP, CHVC Chvalec 32.73 57 eP, HFS Hagfors 32.83 39 P, HFS Hagfors 32.83 39 P, OSTC Ostas 32.84 57 AMS, DPC Dobruska-Polom 32.91 57 P, KRUC Moravsky Kras 32.98 60 eP, WRAC Wrano 33.10 59 LR, WRAC Wrano 33.10 59 LR, KRLC Kraliky 33.20 58 eP, GPK Gorka Kiasztor 33.54 52 eP, MORC Moravsky Berou 33.70 58 P, VAE Valguarnera 33.73 81 LR, JAVC Velka Javorina 33.84 60 AMS, OKC Ostrava-Krasne 34.09 58 AMS, TAM Tamarassat 34.12 111 P, CELC Celest 34.59 75 P, VYHS Vyhne 34.63 60 eP, MORH Mrgy, Hungar 34.77 64 iP, MORH Mrgy, Hungar 34.77 64 iP, TIP Timpaigrande 34.96 77 P, OJC Ojcow 35.14 57 P, OJC Ojcow 35.14 57 P, PSZ Piskieto 35.40 61 P, NIE Niedzica 35.52 59 P, NIE Niedzica 35.52 59 P, KECS Kecov 35.73 60 eP, FRGS Fruska Gora 35.74 66 P, CRVS Cervenica-Dubn 36.33 59 eP, SADO Sadawa 36.55 294 LR, BZS Buzsaki 36.91 65 iP, RAF Rauma 36.91 39 eP, HOLU Holmetes 36.98 60 P, KWP Kalwaria Pacla 37.06 58 P, KWP Kalwaria Pacla 37.06 58 P, SUW Suwalki 37.10 51 P, MDVR Moldovita 37.14 66 iP, BRIU Brid 37.42 60 P, KORU Koroletvo 37.52 60 P, PABE Paberze 37.56 48 P, MTSE Matsula 37.64 43 eP, GZR Gura Zlata 37.76 65 iP, FNA Florina 37.88 73 P, MORS Morshin 37.89 59 P, BLKB Belogradchik 38.07 68 P, MEF Meshovitsi 38.08 41 eP, RAKU Rahkiv 38.23 60 P, TOAO Torodi Arr. Sit 38.40 126 P, TORO Torodi Arr. Bea 38.40 126 P, TORO Torodi Arr. Bea 38.40 126 P, KEF Keuruu 38.58 85 P, RNPPS Varasht 38.58 85 P, BUR08 Buocovina Arr. S 38.59 61 P, BURAR Buocovina Array 38.59 61 P, BURAR Buocovina Array 38.59 61 P.





Table with columns: Code, Station Name, Frequency, and other parameters. Includes stations like PZH, KRSR, NCJ2, QSPA, VVDA, WRA, ASAR.

IDC 14 22:38:57.8-2.1, 31:689S:178:52W, h0km, mb4.0/2, mbtm4.1/3, ML4.0/1, MS3.4/2, Error ellipse: s-maj=60.0km s-min=38.2km az=134.0

ISC 14 21:39:01.3-1.8, 32:00S:117:2W, 0.3, h35km, n37, c1559/29, Kermadec Islands region

Main table for the 935 section, listing stations like MXZ, PKGZ, HAZ, WIZ, PUZ, RAH2, etc.

INMG 14 22:00:37.8-1.6, 36:70N:8:38W, h12km, 4km, ML1.4, Error ellipse: s-maj=4.6km s-min=3.4km az=60.0, MDD 14 22:00:37.7-1.0, 36:73N:8:35W, h20km, 4km, mb\_Lg2.0/4, Error ellipse: s-maj=6.9km s-min=4.1km az=2.0

ISC 14 22:00:35.7-1.8, 36:87N:0:08:8:36W, 0:03, h10km, n29, c1542/53, West of Gibraltar

Main table for the 935 section, listing stations like PFVI, PVAO, PBDV, etc.

Table with columns: E/BAD, Station Name, Frequency, and other parameters. Includes stations like Badajoz, Montargil, El Cabril, Adamuz.

IDC 14 22:00:53.0:9.7, 47:87N:147:35E, h422km, 59km, mb3.1/6, mbtm3.8/8, Error ellipse: s-maj=154.8km s-min=50.5km az=139.0

ISC 14 22:00:55.3:3.9, 47:77N:0:4:147:3E, 0.4, h450km, n9, c0549/8, mb3.5/6, Northwest of Kuril Islands

Main table for the 2018 APR section, listing stations like KLR, USRK, MKAR, FINES, GEYT, NB2, NOA, HFS, AKASG.

NEIC 14 22:27:32.5:2.4, 16:19N:0:10:95:8E, 0:1, h10km, 1km, az=232.0, IDC 14 22:27:35.4:1.1, 16:70N:95:73E, h0km, mb3.8/13, mbtm3.8/14, ML3.9/1, MS3.5/16, Error ellipse: s-maj=23.2km s-min=16.7km az=10.0

IDC 14 22:27:35.8:3.3, 16:61N:96:23E, h10km, 53km, MW4.1, mb4.1, (H/NEIC)

ISC 14 22:27:37.0:0.7, 16:78N:0:08:95:85E, 0:06, h10km, n60, c1569/52, mb4.0/20, MS3.5/15, Near south coast of Myanmar

Main table for the 2018 APR section, listing stations like CM31, CMAR, PHRA, WIND, etc.

GNMG 14 22:00:37.8-1.6, 36:70N:8:38W, h12km, 4km, ML1.4, Error ellipse: s-maj=4.6km s-min=3.4km az=60.0

ISC 14 22:00:35.7-1.8, 36:87N:0:08:8:36W, 0:03, h10km, n29, c1542/53, West of Gibraltar

Main table for the 2018 APR section, listing stations like KOHI, SHL, ZIRO, PZH, etc.

Table with columns: BVAR, Station Name, Frequency, and other parameters. Includes stations like MJAR, KLR, ABKAR, AKTO, ARU, BELG, WRA, ASAR, MMAI, TIXI, BURAR, FINES, ARCES, HFS, GERS, NC303, NOA2, NOA, KDAK.

IDC 14 22:30:24.4:46.0, 16:11S:176:12W, h0km, mb4.1/3, mbtm4.1/3, Error ellipse: s-maj=869.6km s-min=175.7km az=78.0, Fiji Islands region

Main table for the 14d 22h section, listing stations like STKA, WRA, ASAR, PMG, WRA, WRA, ASAR, PMG, WRA, WRA, ASAR, BVAR, ILAR, WRA, ASAR, WRA, ASAR, WRA, ASAR, WRA, ASAR.

IDC 14 22:30:25.9:1.2, 6:39S:143:26E, h0km, mb3.6/4, mbtm3.7/7, ML3.8/2, Error ellipse: s-maj=32.4km s-min=23.4km az=81.0

ISC 14 22:30:31.2:1.0, 6:55S:0:1:143:2E, 0:1, h35km, n17, c936/8, mb3.6/4, New Guinea

Main table for the 14d 22h section, listing stations like STKA, WRA, ASAR, PMG, WRA, WRA, ASAR, PMG, WRA, WRA, ASAR, BVAR, ILAR, WRA, ASAR, WRA, ASAR, WRA, ASAR.

IDC 14 22:58:27.3:2.9, 41:50N:29:30W, h0km, mb3.5/9, mbtm3.5/9, MS3.2/9, Error ellipse: s-maj=101.1km s-min=23.4km az=175.0

ISC 14 22:58:25.4:0.9, 40:60N:0:1:29:20W, 0:1, h10km, n23, c1570/17, mb3.7/9, MS3.2/8, Azores Islands region

Main table for the 14d 22h section, listing stations like PAGU, AGUVA, PSCM, PSET, PSMA, PSMN, PSCM, GERES, WRAC, SAO, DBIC, AKASG, TKL, BRTR, YKA, PDAR, TXAR, NRIK, ELK, KURBB.

14d 23h

2018 APR

Table with columns: ZALV, MKAR, SONM. Includes station names like Zalesovo Beam, Makachi Array, Sogino Array and various parameters.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Iliam Banvizeh, Ghaleghazi, Dehrash, Baghdad, Cheshme Sefid, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Meulaboh, Aceh, Sinabang, Aceh, Lhok Sumawe, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Mamie plateau, Port Laguerre, Ouen Toro, Honiara, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LIFOC, Koumac, New Ca, Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Carrier, Pawnee Station, Liberty Lake, Mehan, Battle Ridge R, Quoy, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Warramunga Arr, Baumata, Alice Springs, Kuratov Arra, Borovoye Array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Camerino, Fraz, T1220, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like T1220, MML1, CESI, CSP1, PF6, SNTG, MC2, GUMA, NRCA, T1221, EL6, MMO1, ATCC, CING, MFA5, MTR A, etc.

LDG 14 23:42:28.5:0.2, 43:08N:13:08E, h6km, M12.4/13, Error ellipse: s-maj=4.0km s-min=2.8km az=113.0, ROM 14 23:42:29.3:0.0, 43:06N:0:00E:13:02E:0:004, h8km, M12.7/133, Error ellipse: s-maj=0.2km s-min=0.1km az=60.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FDMO, CESI, FEM A, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FEMA, PI01, PIU1, CSP1, PF6, MDAR, GAG1, MC2, MTL1, SNTG, NRCA, GUMA, MTR A, EL6, ATCC, FOSV, MF5, etc.

Table listing various chemical elements and their isotopes with associated numerical data and codes.

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Table with columns for flight codes (e.g., YSS, MDJ, CN2), destinations (e.g., Yuzh-Sakhalins, Mudanjiang, Changchun), times, and status indicators (P, S, Pmax, etc.).

Table with columns for flight codes (e.g., HEH, MYLDM, GTOI), destinations (e.g., Lahad Datu, Gorontalo, XilinHaoTe), times, and status indicators (P, S, Pmax, etc.).

Table with columns for flight codes (e.g., PZH, SOEI, MMRI), destinations (e.g., Songjino Array, Shemyia Is, Soe), times, and status indicators (Pmax, P, S, etc.).

15d Oh

Table with columns for station name, coordinates, elevation, and status. Includes stations like ASAR, UNV, TIXI, GAMB, DZM, M13K, TNA, CHNA, O14K, N14K, L14K, ZAAO, ZALV, ZALV, ZALV, S14K, M14K, ANM, ANM, J14K, F14K, L15K, O15K, MK31, MK31, MKAR, MKAR, MKAR, MKAR, CHGN, CHGN, M15K, N15K, G15K, K15K, MAK2, MAK2, F15K, F15K, H16K, N16K, P16K, L16K, J16K, M16K, O16K, G16K, I17K, C16K, C16K, CHIR, Q16K.

2018 APR

Table with columns for station name, coordinates, elevation, and status. Includes stations like O17K, SEM, SEM, N17K, D17K, STKA, STKA, STKA, STKA, G17K, P17K, K17K, K17K, M17K, H17K, F17K, E17K, RDOG, RDOG, RDOG, SHLS, SHLS, C17K, UZB, UZB, N18K, L18K, S18K, E18K, FORT, FORT, O18K, F18K, H18K, H18K, M18K, G18K, J18K, TDK, TDK, ZHN, ZHN, ZHN, C18K, KURK, KURK, KURK, KURK, SATY, SATY, KURBB, KURBB, KURBB, B18K, TTA, TTA, TTA, TTA, NRIK, NRIK, NRIK, NRIK, GCSA, OHAK, BBOO, N19K, Q19K, ARXS, L19K, TARG, TARG, TARG, TARG, F19K, F19K, J19K, G19K, G19K, M19K, H19K, A19K, P19K.

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Table with columns for station name, coordinates, elevation, and status. Includes stations like C19K, KDAK, E19K, E19K, Q20K, L20K, D19K, MDOK, MDOK, CHKK, CHKK, CHKK, K20K, O20K, M20K, J20K, J20K, I20K, H20K, F20K, N20K, HOM, D20K, E20K, ULHL, CNPM, CNPM, PPLA, B20K, IMAR, CAPN, SKT, SKT, CHUM, CAST, CAST, BRSE, KSH, KSH, KSH, KSH, KSH, TKM2, TKM2, TKM2, G21K, H21K, SUA, MORW, F21K, C21K, I21K, E21K, A21K, KTH, KTH, B21K, M22K, O22K, BPW, BPW, BPW, SEW, CHMS, SGDS, SGDS, TRF, TRF, H22K, FRU1, FRU1, F22K, MLY, MLY, A22K, AAK, AAK, AAK, AAK, AAK.







Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like UPP Upsala, MONP2 Monument Peak, PABE Paberze, etc.

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like BRU8 Bucovina Ar. S, BURAR Bucovina Array, BURAR Bucovina Array, etc.

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like CONA Conrad Observa, CKRC Cedar Bluff, CKBC Cesky Krumlov, etc.

H03N3 Juan Fernandez 79.64 123 T T 03 07 17.6
H03N2 Juan Fernandez 79.64 123 T T 03 07 16.0
H03N1 Juan Fernandez 79.64 123 T T 03 07 17.2
FINES FINES Array B 147.91 337 PKPbc PKPbc 01 47 30.9 -0.8

SKHL 15 01:41:49.3,0.2,44.40N:144.10E,h105km,3km,mb4.4/3,
msh5.0/3
JMA 15 01:41:50.5,0.1,44.3N:0.4:144.1E:0.3,h7km,2km,
MV3.6/40,NE OFF HOKKAIDO
JMA Feit J1 at NE OFF HOKKAIDO
ISC 15 01:41:48.6,1.4,44.39N:0.06:144.13E:0.04,h11km,2.11km,

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like Abashiri-Toko, Maruseppu, Rausu, Nemuroshibetsu, etc.

NNC 15 01:50:49.9-4.0,36.77N:70.48E,h0km,mb4.0,mpv3.8,
2C-4D, Error ellipse: s-maj=31.7km s-min=29.3km

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like Karatay Array, Ala-Archa, Tokmak 2, Akbulak array, etc.

LDG 15 01:57:22.0-1.4,45.44N:6.30E,h2km,Md1.1/2,France
ellipse: s-maj=2.5km s-min=1.5km az=118.0,France

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like La Plagne, Oris-en-Rattie, La Chapelle, etc.

NAO 15 01:58:36.8,39.21N:24.42E,h33km,mb3.7
TIR 15 01:58:42.8,39.71N:20.84E,h0km,4km,Md3.9,Mi3.8
IDC 15 01:58:45.1,4.39,80N:20.78E,h0km,mb3.6/5,

BEO 15 01:58:46.0,0.5,39.68N:20.64E,h0km,ML3.2/7
THE 15 01:58:46.8,39.19N:20.68E,h2km,1km,ML3.0/11,Error
ellipse: s-maj=1.5km s-min=0.4km az=269.0
ATH 15 01:58:46.4,39.84N:20.67E,h12km,2km,ML3.2/6,Error
ellipse: s-maj=2.2km s-min=1.1km az=317.0
ISC 15 01:58:47.0,0.8,39.79N:0.02:20.69E:0.02,h13km,6km,

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like Janina, Leskovik, IGT, etc.

SRN comp=N,15nm,1.0s,baz=286 AMP
SRN Sarande 0.54 279 P S Pg 01 58 56.6 -1.0
SRN Kipourio 0.54 73 S S Pg 01 59 05.3 +0.6

Table with columns: SRN, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like Kipourio, KASSIOP, KASSIOP, etc.

TIR 15 01:58:42.8,39.71N:20.84E,h0km,4km,Md3.9,Mi3.8
IDC 15 01:58:45.1,4.39,80N:20.78E,h0km,mb3.6/5,

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like TIR, Sante Cesarea, Griva, etc.

comp=E,2.7nm,0.6s eSn Sn 02 02 40.9 -0.9
MOA comp=E,2.3nm,0.6s 9.29 332 ePn Pn 02 01 01.9 +2.1
BIOA comp=E,1.0nm,0.3s 9.39 329 i Pn Pn 02 01 04.2 +2.1

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like LESA, STHS, WTTA, WATA, etc.

ASRS 15 02:04:59.5:0.2,49°N,1°E,8'3E, h9km,MLh3.7/11, Error
ellipse: s-maj=3.7km s-min=2.4km az=126.7,confirmed

SOME 15 02:05:01.2,48.92N:82.65E,h0km
NMC 15 02:05:01.2,0.9,48.99N:83.02E,h0km,mb3.8,mpv3.6,
Error ellipse: s-maj=3.2km s-min=4.3km az=76.0

ISC 15 02:05:01.2,3.49,03N:0.03:82.99E:0.03,h8km,10km,
n41,az367/0,17C-9D,Eastern Kazakhstan

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like ZSN, UKR, SEM, MK31, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like OTUK, MDOK, TNS5, KRBS, IZV, DGS, KST, TKM2, BVA0, BRVK, BRVJ, KK31.

NEIC 15 02:13:26.3±1.1, 15:77N, 0:06:95.04W, 0.04, h12km, 6km, mb4.5/125, Md4, 8/146(MEX), Error ellipse: s-maj=9.3km s-min=5.4km az=193.0

MEX 15 02:13:27.5±1.1, 15:56N, 95:03W, h16km, 145km, MD4.8, IDC 15 02:13:29.8±2.8, 15:80N, 94:82W, h44km, 24km, mb3.7/9, mbmp3.9/12, ML3.7/3, MS3.7/15, Error ellipse: s-maj=34.0km s-min=8.6km az=52.0

ISC 15 02:13:25.1±2.7, 15:59N, 0:05:95.01W, 0.03, h16km±18km, n387, az=07/438, mb4.4/28, MS3.8/13, Near coast

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like HUIG, CARR, CMIG, UJUV, PEIG, TGIG, THIG, YOSONDUA, PAVENCUL, CHJU, COMITAN, SONTCEMAPAN, VILLAHERMOSA, PINOTEPA, TLAXIACO, TOXPALAN, RETALHUEVO, HUETAPAN, HUAJAPAN, TEHUACAN, TLAPA, TLAPANECO, CRUZ GRANDE, CRUZ GRANDE.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like JALCOMULCO, LAGUNA VERDE, EL APAZOTE, POPocatepetl, PUEBLA, LOS ARROYOS, POPocatepetl, SABANCUY, MEZCALA, YAUTEPEC, SAN MIGUEL TOP, MALINALCO, COYOACAN, PINON, BUNENITO JUAREZ, TIZAYUCA, TIAPANA, CUAJIMALPA, ESQUIPULAS, LA MARQUESA, AZCAPOTZALCO, MONTECRISTO, CUIDA LOPEZ MA, ZUMIPANGO, PUENTE STO NIN, SERV NAC EST T, DEMACU, ACAMBAY, ZIHUATANEJO, LIANO GRANDE, MORELIA, JURQUILLA CAM, MIRIDA, TEGUCIGALPA, RIO VERDE, RIO VERDE, TEPICH, TEPEC, CRISTOBAL GOMEZ FARIAS, GOMEZ FARIAS, AGUILA, AGUILA, CERRO NEGRO, COLIMA, VOLCAN DE COLI, EZZUV, MINGA, VOLCAN DE COLI, INCO, VOLCAN DE COLI, SOMAC, VOLCAN DE COLI, CDAR, KENNEDY, CAMPO TRES, BOACO BROADBAND, ZACATECAS, LINARES, ACOPYA, HIZTEZONTLES, ORTEGA SANTA, ESPAN LAS ESPERANZAS, JTS LAS JUNTAS DE, SOCE, COVE, JACO, PEREZ ZELEDON, SRAEL, DURIKA, CHAPARRAL WMA, CHAPARRAL WMA, BRUZ, EAGLE FORD 01, MULDOON, HONDO, DEL RIO, ARRELL, ARRELL, JUNCTION CITY.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like JUNCTION CITY, SANDERSON, LAJITAS ARRAY, LAJITAS ARRAY, LAJITAS ARRAY, BRADY, NACOGDOCHES, NACOGDOCHES, OZONA, LAKE WHITNEY, LAKE WHITNEY, LA PAZ, ALPINE, CELEBRNE, WAXAHATCHIE, VICKSBURG, BREWTON, STERLING CITY, MONAHANS, WEATHERFORD, PALO PINTO, AZLE, ABIENE, HAWLE, ABIENE, HAWLE, MT. PLEASANT, PERRIN-WHITE E, PECOS, VAN HORN, RICHLAND CREEK, ODESSA, SNYDER F, WHITE OAK LAKE, SNYDER F, ASPERMONT, WITCHITA FALLS, POST, LOVE COUNTY, CORNUDAS MOUNT, DICKENS, LAKELAW RETRE, TIFTON, MOUNT IDA, CLAYTON, EL PASO, WICHITA MOUNTAIN, WICHITA MOUNTAIN, WICHITA MOUNTAIN, TUCUMSEH, MULESHOE, MULESHOE, FRANKLIN, OKLAHOMA CITY, SAMNORWOOD, AMARILLO, AMARILLO, DEPEW, HYDRO CUSTER, LIBERTY LAKE, LEONARD, LEONARD, STREVEN RD, OZARK FOLK CEN, BAZZLE RIDGE R, DOUGLAS, MEHAR, COOKES PEAK, COOKES PEAK, QUAY, GODFREY, HOBBS, LAKE CHARLES, ELLIS COUNTY, GRAVETTE, PAVNEE STATION, EAGLEWOOD AND S346, WINTER RANCH.

15d 2h

Table with columns: Station Name, Time, Az, El, P, R, S, Az, El, P, R, S. Includes stations like OK038 West end E0370, BLOK Blackwell, DUN6 Lazy B Ranch, NOKA Woynoka, T35A Spooner Cattle, etc.

2018 APR

Table with columns: Station Name, Time, Az, El, P, R, S, Az, El, P, R, S. Includes stations like LYMT Lyon Mountain, EGMT Egleton, ULM Lac du Bonnet, etc.

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Table with columns: Station Name, Time, Az, El, P, R, S, Az, El, P, R, S. Includes stations like SBA Scott Base, SBA Deep Cove, DCZ Deep Cove, etc.

Table with columns: Code, Station Name, Az, El, P, R, S, Time, Res. Includes stations like KRSR Korea Array, CTA Charters Tower, MKAR Makanchi Array, etc.

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

Code Station Name Az El P R S Time Res
PYZ Puysegur Point 15.78 14 Pn P 02 20 28.2 -0.4
VND A Vanda 16.02 179 Pn P 02 20 30.9 -0.5
VND A Vanda 16.02 179 Pn P 02 20 29.8 -1.7

Table with columns for station name, frequency, mode, and signal strength. Includes stations like BATI Baumata, NLAI Namlea, BKSI Bulukumba, etc.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like NWAO, NWAO Narrogin (SRO), NWAO Narrogin (SRO), etc.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like HEH HeiHe, HEH HeiHe, NIL Nilore, etc.

15d 3h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like LAO LASA Array, TOR Torodi Ar, ESCD Soneda Array, ULM Lac du Bonnet, etc.

IDC 15 02:41:27.5:0.5, 6.78N-72.96W, h152km, 4km, mb3.4/10, mbmp4.0/13, MS3.7/2, Error ellipse: s-maj=13.3km s-min=7.6km az=126.0

VAO 15 02:41:27.1:0.9, 6.81N-73.23W, h157km, mb4.2, NEIC 15 02:41:28.9:1.4, 6.75N:0.08:72.9W:0.1, h150km, 10km, mb4.4/12, Error ellipse: s-maj=17.2km s-min=8.8km az=125.0

RSNC 15 02:41:28.6:0.7, 7.1N:1.37W, h152km, 2km, M4.3, mb4.6, mB5.2, ML3.9, Mw(mB)4.5

ISC 15 02:41:27.0:0.5, 6.86N:0.03:73.07W:0.03, h153km, 4km, n112, r1523/152, mb4.2/15, Northern Colombia

Main station list table for the 15d 3h period, including stations like BARC Barichara, PAMC Pamplona, RUSC La Rusia, etc.

2018 APR

Table with columns: ETMB, SAML, SAML, etc. Includes stations like Extrema, Torodi Ar, Samul, etc.

IDC 15 02:44:42.7:2.1, 6.46S, 143.07E, h0km, mb3.6/2, mbmp3.7/4, ML3.5/2, MS3.5/6, Error ellipse: s-maj=32.7km az=110.0, New Guinea

ISC 15 02:56:03.2:0.8, 26.46S:0.06:99.0W:0.06, h10km, n24, r1522/29, Caticamarca Province

Main station list table for the 2018 APR period, including stations like Extrema, Torodi Ar, Samul, etc.

IDC 15 02:56:01.0:1.0, 34.85S:179.26W, h0km, mb4.1/4, mbmp4.2/5, ML3.9/1, MS3.5/5, Error ellipse: s-maj=34.0km s-min=28.5km az=110.0

NEIC 15 02:56:44.8:1.2, 35.2S:0.1:179.0W:0.1, h10km, 1km, mb4.3/4, Error ellipse: s-maj=24.6km s-min=20.1km az=126.0

WEL 15 02:56:44.1:0.8, 35.5S:179.9W:1.0, h33km, M4.4/14, mB4.8/1, ML4.6/18, MLV4.4/14, Mw(mB)4.0/1, Error ellipse: s-maj=0km s-min=0km az=113.8, confirmed

NOU 15 02:56:51.0:35.43S:179.29W, h77km, MLV4.3/8, East of North Island, N.Z.

ISC 15 02:56:46.5:0.8, 35.06S:0.07:179.00W:0.10, h42km, n63, r1427/13, MS3.5/4, East of North Island

Main station list table for the 2018 APR period, including stations like Extrema, Torodi Ar, Samul, etc.

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Table with columns: AACL, GOO2, AGUA, AGUA, etc. Includes stations like CERRO LA CRUZ, Mina Guanaco, GUANDACOL, etc.

IDC 15 03:08:08.1:1.5, 6.24S:143.22E, h0km, mb3.8/4, WEL 15 03:08:08.1:1.5, 6.24S:143.22E, h0km, mb3.8/4

ISC 15 03:08:08.1:1.5, 6.24S:143.22E, h0km, mb3.8/4

Main station list table for the 948 period, including stations like CERRO LA CRUZ, Mina Guanaco, GUANDACOL, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, GSPA South Pole Qui, BVAR Borovoye Array, ILAR Eielson Array.

ATH 15 03:29:12.6, 36.40N, 27.24E, h19km, 1km, ML3.0/5, Error ellipse: s-maj=3.6km s-min=1.1km az=85.0 THE 15 03:29:12.1, 36.34N, 27.05E, h0km, 1km, ML2.9/4, Error ellipse: s-maj=1.4km s-min=0.6km az=285.0 AFAD 15 03:29:12.4, 0.36, 32N, 27.00E, h7km, 2km, ML2.3

Main table for station data, columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like NISIR Nisiros, DAT Datca, KALNA Kalymnos, BODT Bodrum, KARP Karpathos, ARG Arkhangelos, TURN Turunc, MSLB Milas, DDIM Aydin, DDIM Nea Kammeni, GCMG G'zelcaml, SMG Samos, DALY Dalyan, ZKR Zakros, APE Apeiranthos, FRMA lerapetra Chan, CAME Cameli-Denizli, URLA Izmir, KSL Anastellorizon, AKAS Kas, APMY Acipayam-Deniz, ELL Elmali, KULA Kula-Manisa, DKL Dikili.

TRN 15 03:41:56.7, 14.77N, 59.14W, h44km, MD3.6, Far East of Martinique, Windward Islands. Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BBGH Gun Hill, MROM Morne Pois Mar, MVM Montagne Vauci, LPMF Morne Lapointe, BIM Bigot, SLBI Saint Lucia.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SLBI Morne Balai, BAMF Fort de France, GDF Grand Be, SVN Savane Anatole, PCLM Pelee Case Pet, MCM Barre de l'ile, SVB Belmont, SVOC Richmond Hill, SVN Saint Vincent, TDBA Terre de Bas, CBE Ft, Capeste, ABD La Joyeuse, ANB Grenada, Carri, ANBD Bethesda, ANBW Mount Saint C, GRGR Grenville, GRFF Grenada Fort F, TRN Trinidad (W), TRN.

NEIC 15 03:45:41.4, 2.5, 44.935N, 0.004, 122.75W, 0.03, h21km, 5km, Error ellipse: s-maj=2.7km s-min=0.5km az=90.0 PNSN 15 03:45:41.3, 44.95N, 122.76W, h17km, MD3.1, Fault plane solution: NP1: 140.00000, 855.00000, lambda-180.00000 SEA 15 03:45:41.2, 2.0, 44.95N, 0.01, 122.76W, 0.02, h18km, 2km, ML3.1/24, ML3.0/110(NEIC), Error ellipse: s-maj=2.6km s-min=0.4km az=137.0, Oregon

Main table for station data, columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MRIN Marion BPA Sit, COLT Colton High Sc, GGA Mulino, MONO Monmouth DOGAM, MONO Lebanon, EYES Ewing Young ES, G03D McMinville, H04A Detroit Lake, H04A Corvallis, COR Corvallis, PGO Gresham, BEAV Portland, KEEL Keel, WFP West Portland, WFO Hudson Bay Hig, HUBA Mount Hebo, HEBO, HEBO, HUCK Buck Mountain, TDM Tom, Dick, Har, VBEM Beaver Butte, HOOD Mount Hood Mea, HOOD, TOLO Toledo BPA CRE, VLO Laurance Lake, PRLK Prince Lake, LANE Lane BPA Site, LANE, VFP Flag Point, SHRK Shell Rock, F04A Amboy, F04A Trout Creek Bu, G05A Wamic, G05A, APM Anguspurger Mou, WIFE Three Sisters, WIFE, F03A Seaside, HBO Huckleberry Mo, I02E Swisshome, OR, MITM Mount Mitchell, F04D Rainier, I04A Tendick Farm, I05D Terrebonne, OR, I05D, MOON Moon Mountain, B023 Clatskanie, RWV Rose Valley, RNO Roman Nose, B203 Quarry, Mount, CDFW Cedar Flats, FLK June Lake, FL2 Flat Top 2, SWF2 Southwest Flan, HSR South Ridge, SHW Mount Saint He, B022 Seaside, I03D Drain, OR, ERK Elk Rock, VALT Mount Saint He, BOLM Sugar Bowl, BEND Bend, SORS Source of Smit, JRO Jston Ridge Op, ERK Elk Rock, B201 Coldwater, Mou, HSO Harness Mounta, TDL Tradedollar LA, ASBU Astronaut Butt, G05A Carlson Farm, BMW Boistfort Mount, KOSW Kosmos, KWBU Kawak Butte, N, RADR Rader Ridge, RADR, SVIC Surveyors Ice, E03A Lebam, NCON Newbury Crate, LCW Lucas Creek, PINE Pine Mountain, TMBU Tom Butte, New, B019 Raymond.

Main table for station data, columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like DBO Dodson Butte, RRHS Rochester High, LON Longmire, LON Longmire, J01E Myrtle Point, J01E, REMR Mount Rainier, J05D Fort Rock, OR, J05D, RCS Toppenish Ridge, TRW Toppenish Ridge, OBSR Observation Ro, RVC Mount Rainier, BR41 Kapowin, SR11 SR410 Landslid, S000 Sation Hill, B017 Montesano, F07A Phinny Hill Vi, F07A, D05A Enunclaw, MXC Moxie City, MXC, MXC, K04D Chiloquin, OR, K04D, I07A Izeze, NLWA Neilton Lookou, NLWA, NLWA, RATT Rattlesnake La, E07A Sunnyside, E07A, K05A Summer Lake, GMW Gold Mountain, GNV Green Mountain, SP2 Seward Park 2, SNWV Snelvy Ranch, HAWA Hanford, HAWA, HAWA, HDW Hoopesport, LTY Liberty, LTY, L04D Klamath Falls, L04D, H20WA Wap, GBL Gable Mountain, B013 Quilcene, B013 Quilcene, KBO Bosley Butte, YWH Yreka Blue Hor, KSXB Camp Six Broad, KSXB, KSXB, JCW Jim Creek, D08A Wolfman Farm, J08A Circle Bar Ran, KRMB Red Mountain, KRMB, E09A Wood Farm, Sta, E09A, PGC Sidney, PGC, BMO Blue Mountains, WVOR Wild Horse Val, CLRS Cowichan Lake, CLRS, CLRS, F10A Beach Ranch, E, F10A, F10A, KHMM Horse Mountain, KMRM Mail Ridge, PLID Pearl Lake, PLID, MSO Missoula.

IDC 15 03:51:53.1, 1.4, 53.35N, 160.72E, h0km, mb3.3/3, mbtm3.3/3, Error ellipse: s-maj=43.2km s-min=24.6km az=165.0 KRSC 15 03:51:58.0, 0.9, 53.30N, 160.58E, h41km, 9km, M14.0

ISC 15 03:51:56.3, 1.0, 53.35N, 0.06, 160.72E, 0.08, h21km, 5km, n23, c089/33, mb3.4/3, Near east coast of Kamchatka

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SPN Mys Shipunski, NLY Nalytchevo, NLC NLC, KII Karymskiy, UGLR Ugluyaya, SMAR Somna, AVH Avacha, AVH, DALK Dalva, KRX Arik, KOK Koryaka, PET Petropavlovsk, PET, RUS Ruskaya, KRMR Karymskiy, GNL Ganaly, MTRV Mutnovka.





Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like KAHZ Kahuranaki, KRHZ Kereru, MTVZ Mangateitei, etc.

NEIC 15 05:00:35.4-0.4, 36.296N-0.008-97.538W-0.009, h5km, 1km, Error ellipse: s-maj=2.4km s-min=1.5km az=200.0

TUL 15 05:00:35.4-0.5, 36.299N-0.004-97.54W-0.011, h7km, 5km, ML2.4, mb\_Lg2.07(NEIC), ML2.5/63(NEIC), Error ellipse: s-maj=1.3km s-min=0.5km az=95.0, Oklahoma

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like CROK Carrier, OK048 Pawnee Station, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like OK052, OK052, QUOK Quay, etc.

CATAC 15 05:12:22.6-0.5, 14.05N-91.41W, h31km, 7km, mb4.4, ML3.6

SNET 15 05:12:24.1-1.0, 14.32N-91.15W, h18km, 12km, ML3.3

GOG 15 05:12:25.3-0.7, 14.32N-91.34W, h49km, 9km, MD3.6

ISC 15 05:12:22.9-1.7, 14.10N-91.41W-0.06, h62km, 12km, n38, c09653, 3C-2D, Guatemala

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like SULM Sichtepeque, RTAL Retalhuleu, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like DAV Davao City (W), KCP Kidapawan, etc.

ASAR Alice Springs 30.94 167 P 05 51 11.8 +1.7

NEIC 15 05:51:47.5-1.3, 59.35S-0.06-26.0W-0.2, h35km, 1km, mb4.9/74, Error ellipse: s-maj=16.3km s-min=8.2km az=243.0

ISC 15 05:51:47.2-0.3, 59.37S-0.06-25.91W-0.07, h40km, n158, c1511151, mb4.8/4C, MS3.12, 10C, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like HOPE Hope Point, ORCD Orcadas, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like PEL Peldehue, CPUP Villa Florida, and various other locations.

Table with columns: Code, Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like WRA Warramunga Arr, WRA Zalesovo Infra, and various other locations.

Table with columns: UNM Universidad Na, UNM Coyoacan, UNM Benito Juarez, and various other stations with their respective frequencies and modes.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station details. Includes stations like ABTX, FW13, SN05, etc.

IDC 15 06:01:31.4.3.9.6:81N:72:94W, h165km, 54km, mb3.0/14, mbtm3.8/18, Error ellipse: s-maj=614.9km s-min=14.8km

RSNC 15 06:01:33.8.0.0.7:7N:27:33W, h143km, 3km, mb3.6, mB4.9, ML3.2, Mw(MB)4.2

ISC 15 06:01:30.3.1.0.6:83N:0:03:73:07W, 0:104, h156km, 6km, n7, r1541/69, Northern Colombia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station details. Includes stations like BARC, PAMC, RUSC, etc.

IDC 15 06:38:18.4.1.6.47:62N:147:71E, h388km, 19km, mb3.0/14, mbtm3.8/18, Error ellipse: s-maj=15.0km

SKHL 15 06:38:18.0.0.1.47:30N:148:10E, h358km, 2km, mb4.7/7, mbv5.0/2, msh4.8/2, msh4.4/6

ISC 15 06:38:15.0.0.6.47:47N:0:07:148:14E, 0:009, h350km, n24, r1596/28, mb3.4/14, Northwest of Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station details. Includes stations like YSS, SHO, SHO, etc.

IDC 15 06:53:40.9:2.1.2:59S:128:18E, h0km, mb3.5/2, mbtm3.7/3, ML3.6/1, Error ellipse: s-maj=146.3km

s-min=26.8km az=68.0, Ceram Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station details. Includes stations like WRA, ASAR, MKAR, etc.

NEIC 15 06:55:58.0:1.2.35:45N:0:01:97:939W, 0:005, h5km, 1km, ML1.6/17, Error ellipse: s-maj=2.9km s-min=2.2km

az=171.0, Oklahoma

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station details. Includes stations like FNO, ARDOC, W35A, etc.

IDC 15 06:56:22.5:1.0.58:15N:32:17W, h0km, mb3.7/12, mbtm3.7/13, ML2.7/1, MS3.4/9, Error ellipse: s-maj=29.0km s-min=1.7km az=7.0

ISC 15 06:56:24.0:0.9.58:11N:0:2:32:2W, 0:1, h14km, n21, r1519/16, mb3.8/12, MS3.4/6, Reykjanes Ridge

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station details. Includes stations like SFJD, FRB, SCHO, etc.

Table with columns: RES, Station Name, Azimuth, Phase ID, Time, Res, and various station details. Includes stations like RES, FINES, AKASO, etc.

JMA 15 06:56:26.6:0.3.25:N:22:122:39E, h173km, 2km, MV2.7/12, TAIWAN REGION

TAP 15 06:56:26.5:25:13N:122:39E, h170km, ML3.2, D, h179km, 14km, n51, r0884/94, Taiwan region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station details. Includes stations like Code, Station Name, Azimuth, Phase ID, etc.



Table with columns: Code, Station Name, Az, El, Pn, Sn, Time, Res, and various station identifiers like RTR, SBLs, CEVE, etc.

NEIC 15 07:54:44.5-0.9, 17.9N:0.2-68.6W:0.1, h95km, 31km, ML2, G/20, MD3.2/10(RSPFR), Error ellipse: s-maj=23.9km s-min=14.4km s-min=180.0

RSPR 15 07:54:46.5, 18.32N:68.49W, h110km, 1km, MD3.2/10 SDD 15 07:54:47.1-2.2, 18.18N:68.47W, h111km, 14km, MD2.9, ML2.7, MW2.7

ISC 15 07:54:44.3-1.9, 18.1N:0.1:68.49W:0.04, h116km, 15km, n41, c1521/52, 16C-8D, Mona Passage

Table with columns: Code, Station Name, Az, El, Pn, Sn, Time, Res, and various station identifiers like SADR, BHOH, D62A, etc.

Table with columns: Code, Station Name, Az, El, Pn, Sn, Time, Res, and various station identifiers like AOPR, DR08, OBIP, etc.

IDC 15 07:59:25.4-0.6, 58.18N:32.03W, h0km, mb4.1/19, mbmp4, 1/22, MA3.6/3, MS3.8/45, Error ellipse: s-maj=18.5km s-min=11.7km az=8.0

NEIC 15 07:59:28.1-1.6, 58.35N:0.08-32.0W:0.1, h10km, 1km, mb4.5/14, Error ellipse: s-maj=13.3km s-min=12.2km az=147.0

ISC 15 07:59:27.9-0.4, 58.30N:0.08-32.04W:0.05, h13km, n188, c1520/108, mb4.5/94, MS3.8/42, 6D, Reykjanes Ridge

Table with columns: Code, Station Name, Az, El, Pn, Sn, Time, Res, and various station identifiers like ANGG, BORG, BORG, etc.

Table with columns: Code, Station Name, Az, El, Pn, Sn, Time, Res, and various station identifiers like BURAR, AKASG, KEST, etc.



Table with columns: ILAR, comp, E, f, m, 20.1s, baz, 176, slow=39, LR, LR, 08 14 52.9. Includes stations like ELISON Array, COLA College, WOLF Creek Mou, etc.

IDC 15 08:21:03.9.0.6, 18.82S:176.07E, h0km, mb4.2/14, mbmp4.2/16, ML3.4/2, MS3.7/26, Error ellipse: s-maj=25.5km s-min=17.1km az=139.0

GCMT 15 08:21:09.9.0.4, 18.84S:176.15E:0.03, h23km, 1km, MV4.9/76, Moment Tensor Solution. s16,c18; s76,c89; Duration: 0 Moment tensor: Scale 10^10Nm; Mr=2.62; Mw=0.62; Ms=0.21; Mv=1.20; 25; Mw0.47; 08; Mw0.11; 16; Best double couple: M2.60100; 10; Np1.3e00000; 8.51.00000; 1-86.00000; NP2: 0; 181.00000; 844.00000; 1-17.00000; Principal axes: 2 T 1720, Plg4.0000; Azm110.0000; N 0.8650; Plg18.0000; Azm201.0000; P -0.3290, Plg71.0000; Azm9.0000; nsta1 refers to body waves, cutoff=40s; nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

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

Main table with columns: WRA, WARRAMUNGA ARR, 39.45 261 P P, 08 28 34.4 -1.9. Includes stations like ALICE SPRINGS, ASAR, ASAR, etc.

Table with columns: IDI, ANOYIA, 149.71 309 PKPbc PKPbc, 08 40 54.9 -1.3. Includes stations like ANOYIA, DAVOS/DISCHMAT, etc.

IDC 15 08:36:08.2.1.9, 0.45N:126.12E, h0km, mb3.4/4, mbmp3.4/4, Error ellipse: s-maj=164.3km s-min=27.1km az=64.0







Table with columns: Call Sign, Name, Time, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like EGAK Eagle, Q32M Nakina River, P33M Teslin, etc.

Table with columns: Call Sign, Name, Time, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like MKAR Makanchi Array, AKASO Malin Array, GERES GERES Array, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like KUA Kurvaara, RATU Laukkulusta, KOUV Lannavaara, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like HEF Hetta, HEF Arctic Village, HEF Kautokeino, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like LIFNFC LIFOU, LIFNFC LIFOU, LIFNFC LIFOU, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like OUCEN Ouen Island, NOUC Port Laguerre, OUCEN Ouen Toro, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like KUZ Kauroto, TOZ Tuatoua Road, KMRZ Kaimai, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like KAHZ Kahuranaki, DVHZ Dannevirke, TKNZ Takaka Hill, etc.

Table with columns: Call Sign, Name, Time, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like OOD Oodnadatta, WR0 Warramunga, BBOO Buckleboob, etc.

Table with columns: Call Sign, Name, Time, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, etc.

Table with columns: Call Sign, Name, Time, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like MULG Mulung, KDU Kakadu, MTN Mantou Dam, etc.

Table with columns: Call Sign, Name, Time, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like WRKA Warakurna, KNRA Kunurra, FORT Forrest, etc.

Table with columns: Call Sign, Name, Time, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like PSAA0 Pilbara Seismi, MBWA Marble Bar, MBWA Marble Bar, etc.

Table with columns: Call Sign, Name, Time, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like MEEK Meekatharra, GIRL Gilruth, TOLDA Tolitoli, etc.

Table with columns: Call Sign, Name, Time, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like LEM Lembang, MJAR Matsushiro Arr, NJ2 Nanjing, etc.

Table with columns: Call Sign, Name, Time, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like XAN Xi'an, XAN Xi'an, XAN Xi'an, etc.

Table with columns: Call Sign, Name, Time, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

Table with columns: Call Sign, Name, Time, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like XLT XilinhaoTe, XLT XilinhaoTe, XLT XilinhaoTe, etc.



15d 12h

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like Puntijarka, Cresnje, Kalnik, Selova, Rijeka, Sveta Marina, Matera, Lobor, Mirgy, Hungary, etc.

2018 APR

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like Collin, Hinterfeld, La Chapelle, Champ du Feu, Haudoupre, Saint-Julien, Signal de Mont, Lormes, Saint Sauge, etc.

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Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like Borovoye Array, Eielson Array, Ruokolathi, Virojoki, FINESS Array, etc.

Table of station data for page 963, including columns for Code, Station Name, Frequency, Phase, ID, Time, Res, and various other identifiers. Rows include stations like MVSF Nonsavu, AFJ Afiamau, PINOC Pines Island, etc.

Table of station data for page 2018 APR, including columns for Code, Station Name, Frequency, Phase, ID, Time, Res, and various other identifiers. Rows include stations like YKA Yellowknife Arr, ZALV Zulu Beam, MKAR Makanchi Array, etc.

Table of station data for page 15d 13h, including columns for Code, Station Name, Frequency, Phase, ID, Time, Res, and various other identifiers. Rows include stations like KURB Kurchatov Arra, KURK Kurchatov, BVAR Borovoye Array, etc.

GUC 15 13:16:02.0 0.8, 28:98S:70°12'W, h105km, 4km, ML4.5
NEIC 15 13:16:02.8 1.7, 28:97S:0°04'07.0, h111km, 5km, mb4.5/23, Error ellipse: s-maj=11.9km s-min=-5.8km az=89.0

SJA 15 13:16:03.5 2.4, 28:97S:70°11'W, h80km, ML4.4, MW4.2
IDC 15 13:16:03.0 0.7, 28:97S:70°05'W, h12km, 5km, mb3.9/9, mbtmpld=2.11, MS2.3/1, Error ellipse: s-maj=23.1km s-min=15.1km az=69.0

ISC 15 13:16:02.1 0.5, 28:97S:0°02'70.17W, 0.03, h111km, 4km, n132.1/195/176, mb4.3/19, SC-7D, Central Chile

IDC 15 13:01:02.9 8.8, 2:02:91S:178°52'W, h548km, 100km, mb2.6/5, mbtmpld=3.6/6, Error ellipse: s-maj=43.5km s-min=26.3km az=58.0

ISC 15 13:01:05.3 1.0, 21:05S:178°6'W, 0.2, h579km, n7, /e163/7, mb3.1/5, Fiji Islands region

IDC 15 13:11:53.7 1.0, 2:45N:128°15'E, h0km, mb3.7/7, mbtmpld=3.8/7, MS3.1/1, Error ellipse: s-maj=61.6km s-min=18.5km az=73.0

NEIC 13 12:19.3, 1.3, 2:4N:0°:1x128:3E:0:2, h235km, 11km, mb4.1/12, Error ellipse: s-maj=34.9km s-min=20.0km az=87.0

DJA 15 13:12:21.9 0.7, 2:7N:12°8E., h240km=11km, M3.8/7, mb3.7/3, MLV3.8/7

ISC 15 13:12:19.9 0.7, 2:16N:107°128:32E:0:08, h250km, n33, /e124/33, mb3.8/12, Halmahera

Table of astronomical observations for 15d 13h, listing stations like ASAL, VA03, G002, etc., with columns for station name, coordinates, and observation details.

Table of astronomical observations for 15d APR, listing stations like MKAR, SONM, UGM, etc., with columns for station name, coordinates, and observation details.

Table of astronomical observations for 964, listing stations like VAE, SADO, TOR, etc., with columns for station name, coordinates, and observation details.











Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like RIDG Independent Ri, CHUM Lake Minchum, BPAW Bear Paw Mtn, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like INK comp=N,64nm,19.1s, YKA Yellowknife Arr, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like NVNR Nevinnomysk, GOF Gofitskoye, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OBN Obninsk, MLR Muntele Rosu, AKTO Aktyubinsk, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ABD La Joyeuse, ABD Bethesda, ANDB Antigua, etc.

TRN 15:14:44:31.6, 16:47N, 61.39W, h31km, MD3.5, Near North-east of Guadeloupe, Leeward Islands

DC 15:14:46:30.3, 0.8, 29.47N, 105.51E, h0km, mb3.5/9, mbmp3.5/11, ML3.4/2, Error ellipse: s-maj=33.8km

ISC 15:14:46:34.0, 0.8, 29.55N, 105.50E, h29km, n11, +060/11, mb3.5/8, Sichuan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CMAR Chiang Mai Arr, SONMG Songo Array, KSRSS Korea Arr, etc.

TEH 15:14:49:14.9, 34.07N, 46.28E, h8km, 133km, ML2.8, ISN 15:14:49:14.5, 0.6, 34.07N, 46.23E, h8km, 6km, ML3.0

ISC 15:14:49:16.1, 1.1, 34.10N, 05.46E, 30E, 0.05, h10km, n10, +067/13, Western Iran

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IGHG Galeghazi, IDHR Dehrash, KCHF Cheshme Sefid, etc.

BJI 15:15:09:43.0, 0.0, 39.43N, 143.30E, h46km, mb4.2/15, mb4.8/4

NEIC 15:15:09:43.1, 1.2, 39.42N, 05.143, 2E, 0.1, h24km, 8km, mb4.3/14, Error ellipse: s-maj=15.8km s-min=7.5km az=85.0

NIED 15:15:09:48.0, 39.40N, 142.58E, h47km, MW4.1, Moment Tensor solution. s3 Moment tensor: Scale 10^15Nm; M1: 1.49; M2: -0.25; M3: 1.24; M4: 0.06; M5: 0.26; M6: -0.14; Fault plane solution: M1: 4.0000x10^15 NP1: 0.166, 0.0000, 0.348, 0.0000, 1.89, 0.0000; NP2: 0.347, 0.0000, 0.342, 0.0000, 1.91, 0.0000

JMA 15:15:09:48.0, 0.1, 39.44N, 0.3, 142.6E, 0.7, h47km, 1km, MD3.9/39, MV4.3/39, E OFF IWATE PREF

JMA Faji II J1 at E OFF IWATE PREF, IDC 15:15:09:49.2, 1.3, 39.34N, 142.53E, h59km, 18km, mb3.6/21, mbmp3.9/27, MS3.0/7, Error ellipse: s-maj=15.7km s-min=13.4km az=102.0

ISC 15:15:09:44.6, 1.9, 39.35N, 04.142, 30E, 0.07, h25km, 12km, n86, +157/84, mb4.1/29, 18D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MIYV Miyakonagasawa, MIYV Ofunato, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MIYV Miyakonagasawa, OFUJ Ofunato, JTH Tanohata, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MAJJO Matsushiro, MJB9 Matsu-Tunnel, ASAJ Asahikawa, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KSRSS Korea Arr, KSRSS Waku Island Hy, KSRSS Waku Island Hy, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H1N2 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, H1N3 WAKE ISLAND Hy, etc.

PZH PanZhihua, PZH comp=2.10, 0nm, 0.7s

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CRAI Chiangrai, ZAAO Zalesovo Beam, ZAAO Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like M16K Timber Creek, M17K Holinta River, CMAR Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MK31 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MAKZ Makanchi, KURK Kurchatov, KURK Kurchatov, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ILAR Warramunga Arr, ILAR Warramunga Arr, BVAR Borovoye Array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SIMJ Simiganj, LEM Lemban, ABKAR Akbulak array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, YKA Yellowknife Ar, ARCES ARCESS Array B, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GEYT Alibeck, FINES FINESS Array B, HFS Hagfors, etc.

IDC 15:15:40:42.9, 0.9, 2.18N, 126.75E, h0km, mb3.7/8, mbmp3.7/8, Error ellipse: s-maj=60.5km s-min=15.9km az=68.0

DJA 15:15:40:46.7, 0.5, 2.15N, 127.7E, h10km, M3.9/11, mb4.0/6, mb5.6/1, MLV3.8/11, MW(mB)5.2/11

ISC 15:15:40:49.0, 0.7, 2.32N, 0.06, 126.85E, 0.08, h53km, n19, +181/20, mb3.7/8, 1D, Northern Muluca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TMTI Ternate, SGSI Sangihe, LBTM Labuha, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CMAR Chiang Mai Arr, KSRSS Korea Arr, STKA Stephens Creek, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SONMG Songo Array, MKAR Makanchi Array, KURBB Kurchatov Arr, etc.

JMA 15:15:58:01.4, 0.2, 29.2N, 0.3, 129.1E, 0.9, h5km, 2km, MV3.7/19, NEAR TOKARA ISLANDS

JMA Faji II J1 at NEAR TOKARA ISLANDS, NIED 15:15:58:01.4, 29.22N, 129.06E, h5km, MW4.2, Moment Tensor solution. s3 Moment tensor: Scale 10^15Nm; M1: 1.53; M2: 0.1; M3: -0.48; M4: 0.03; M5: 0.73; M6: 0.75; Fault plane solution: M2: 12000x10^15 NP1: 0.258, 0.0000, 0.551, 0.0000, 1.129, 0.0000; NP2: 0.133, 0.0000, 0.551, 0.0000, 1.448, 0.0000

IDC 15:15:58:02.0, 0.9, 29.15N, 129.1E, h0km, mb3.5/11, mbmp3.6/15, ML3.3/3, MS3.3/16, Error ellipse: s-maj=27.3km s-min=16.1km az=86.0

ISC 15:15:58:03.2, 0.8, 29.15N, 0.04, 129.23E, 0.06, h9km, 5km, n41, +083/36, mb3.4/10, MS3.2/10, Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JTAJ Takarajima, JTAJ Amami Oshima, JNN Nankosshima, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JAMN Amaminishikomi, JJK Kikashima, JTK Tokunoshima, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JYK Yuchinoairu, JOKE Okinoerabujima, JMNT Minamitane, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JLN Tanegashima 3, JYRO Yushima, JIH Iheya, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JOW Kunigami, JOW 18nm, 0.3s, baz=124, slow=27, SNR=1.8, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JOW 340nm, 0.3s, baz=200, slow=33, SNR=4.0, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JNTH Natsusho, JNU Nakatsu, JNU 4.4nm, 0.3s, baz=177, slow=6.0, SNR=29, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JNU 338, slow=7.0, JNU 4.489nm, 19.1s, baz=152, slow=42, 86nm, 0.9s, etc.

Table with columns: Call Sign, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like YAK Yakutsk, MA2 Magadan, SEY Seydchan, etc.

SOME 15:58:30.5, 41.73N-81.17E, h10km
NNC 15:58:32.3, 1.1, 41.79N-81.16E, h0km, mb3.8, mpv3.4,
Error ellipse: s-maj=8.1km s-min=5.7km az=164.0

Main table for Southern Xinjiang stations. Columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like KTMS Ketmen, SHLS Shalkode, etc.

Table for KAPAS Kapalarasan and other stations. Columns: Call Sign, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like KAPAS Kapalarasan, KABS Kasteik, etc.

JMA 15:16:05:26.0, 0.1, 24°N, 3°E, h46km, 2km,
M2.5/1.1, NW OFF ISHIGAKIJIMA IS
TAP 15:16:05:25.9, 24°36'N, 122°36'E, h48km, ML3.0, D
ISC 15:16:05:26.5, 1.2, 24.34N, 122.00E, 0.03, h46km, 7km,

Main table for Taiwan region stations. Columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like JYNG Yonagunijimaku, YOJ Yonaguni jima, etc.

Main table for other stations. Columns: Call Sign, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like YHNB Yeheng, ESL Shilin, etc.

IDC 15:16:13:29.6, 2.3, 23°86'S-179°87'E, h493km, 23km, mb3.2/7,
mbtp4, 1/8, Error ellipse: s-maj=33.2km s-min=19.3km
az=164.0
NEIC 15:16:13:30.0, 0.9, 23°95'0.2"-179°9'E:0.2, h543km, 22km,
mb4, 4/23, Error ellipse: s-maj=42.7km s-min=23.3km
az=219.0
ISC 15:16:13:32.2, 0.7, 23.99S:0.09:179.9E:0.1, h526km, n37,

Table with columns: Code, Station Name, Az, Phase, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Nonsavu, Pines Island, Urewera, etc.

IDC 15 16:15:19.9,3.1,23.81Sx179.85E,h491km,32km,mb3.1/5, mbtpd4.0/6, Error ellipse: s-maj=31.3km s-min=23.2km az=8.0

NEIC 15 16:15:21.6,0.5,23.9S;0.2x179.9E;0.2,h520km,14km, mb4.1/15, Error ellipse: s-maj=28.5km s-min=24.2km az=78.0

ISC 15 16:15:22.4,0.7,23.99S;0.09x179.8E;0.1,h526km,n23, s=117/25,mb4.0/13, South of Fiji Islands

Table with columns: Code, Station Name, Az, Phase, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Nonsavu, Urewera, Lake Taylor, etc.

WEL 15 16:16:15.8,39'S;5.177E,h56km,11km,M2.2/16, ML2.6/23,MLV2.2/16, Error ellipse: s-maj=0.0km s-min=0.0km az=91.5, Off east coast of North Island

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

JMA 15 16:21:13.6,0.2,24.0N;0.4x12.1E,h10km,MV3.2/10, TAIWAN REGION

TAP 15 16:21:13.1,23.98N;121.02E,h18km,ML3.7,B ASIES 15 16:21:13.1,23.98N;121.02E,h18km,ML3.7,Mv3.3

Moment Tensor Solution. Moment tensor: Scale 10^20Nm; Mn:2.24; Mw:4.34; M2:2.09; M3:2.75; Mw:9.87; Mw:4.57; Fault plane solution: MLI1.83480x10^20 NP1: 0.167,41000; 871,98000; 1,157,66000. NP2: 0.264,65000; 368,81000; 1,19,37000. Principal axes: T Plg28.3110°, Azm125.3870°; N Plg61.5950°, Azm310.4450°; P Plg2.1160°, Azm216.5270°

ISC 15 16:21:13.3,0.8,23.98N;0.01x121.03E;0.01,h18km,3km, n137,0.078/248,Taiwan

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

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

Table with columns: WSL, Shuilin Townsh, 0.86 238 P, Pg, 16 21 29.7 -0.4, etc. Lists various stations and their coordinates.

Table with columns: EAST, Anshuo, 1.60 186 P, Pb, 16 21 42.1 -0.3, etc. Lists stations like SCZT, VCHM, and others.

IDC 15 16:26:37.4e.1.1.28.87N:128.93E, h0km, mb3.4/7, mbmp3.4/9, ML2.3/2, MS3.0/8, Error ellipse: s-maj=36.5km s-min=21.0km az=79.0

Table with columns: Code, Station Name, A° AZ, Op, Phase ID, Time, Res, h m s ISC. Lists stations like JTAJ, JAM, JMN, etc.

Table with columns: KMRM, Karymshinskiy, 2.34 26 PN, Pn, 16 52 19.5 +0.6, etc. Lists stations like KMRM, PEAOB, PETK, etc.

Table with columns: ILAR, Elison Array, 32.28 285 P, P, 16 57 54.6 -1.1, etc. Lists stations like SOMNI, H11S1, H11S2, etc.

NOU 15 16:58:31.6, 42:58S:173:66E, h4km, MLv4.1/9, South Island, New Zealand

Table with columns: Code, Station Name, A° AZ, Op, Phase ID, Time, Res, h m s ISC. Lists stations like KIKS, KHZ, KKH, etc.

Table with columns: PRWZ, BFZ, TMZ, WAZ, TSZ, FOZ, LBZ, NBEZ, ODZ, ODZ, WRZ, WNVZ, KRHZ, BHHZ, OTVZ, NNWZ, WTVZ, KRVZ, TMVZ, HZK, HIZ, EAZ, TUZ, TOZ, MWZ, SVZ, TWZ, AWAZ, MKAZ, ETAZ, CTZ. Includes station names, coordinates, and various parameters.

IDC 15 17:05:46.1.3.1, 4.76S-153.28E, h0km, mb3.8/3, mbmtmp3.8/4, ML1.6/1, MS3.5/3, Error ellipse: s-maj=118.6km s-min=33.3km az=118.0, New Ireland region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Includes stations like Port Moresby, Honiara, Warramunga Arr, Alice Springs, Seymchan, KDAK, BVAR, TORD.

RSNC 15 17:09:45.0.0.6, N1.73'W, h124km, 2km, mb3.6, mB4.6, ML2.8, Mw(m)B3.8, Northern Colombia

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Includes stations like Barichara, La Rusia, San Pablo de B, PUERTO BERRIO, Pamplona, Coloc, Norcasia, Zaragoza, Ocaña, Isole, Villavicencio, Santa Ana, Dabeiba, Ortega, San Jose del P, Apartado, Ariguana, Santo Domingo, Los crdobas, San Jacinto, San Jose del G, Correjon, Guaj, Popayan, Florencia.

IDC 15 17:21:14.0.7.3, 10.29S-119.56E, h77km, 60km, mb3.2/1, mbmtmp3.0/3, ML2.6/2, MS3.2/1, Error ellipse: s-maj=234.9km s-min=17.9km az=50.0, Sumba region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Includes stations like Warramunga Arr, WRA, Alice Springs, JOW, MKAR.

IDC 15 17:28:34.0.3.3, 33.57S-178.98W, h0km, mb3.5/2, mbmtmp3.0/3, ML4.0/1, Error ellipse: s-maj=72.9km s-min=46.8km az=115.0, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Includes stations like Urewera, ASAR, WRA, FINES.

IDC 15 17:38:58.5.1.7, 53.44N-164.70W, h0km, mb3.4/3, mbmtmp3.4/5, ML3.2/2, Error ellipse: s-maj=39.2km s-min=27.4km az=162.0, NEIC 15 17:39:01.4.2.8, 53.56N-164.70W, 0.06, h15km, 10km, mb3.5/12, ML3.5/8, ML3.4(AEIC), Error ellipse: s-maj=12.2km s-min=5.2km az=173.0, AEIC 15 17:39:01.9.2.4, 53.5N-164.62W, 0.07, h26km, 8km, Error ellipse: s-maj=16.1km s-min=5.4km az=166.0, ISC 15 17:38:59.3.0.9, 53.44N-164.57W, 0.04, h10km, n84, r=179.83, mb3.2/3, Unimak Island region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Includes stations like AKSA, AHB, RZE, ZRO, AKRB, LVA, UNV, MNAT, MTBL, MGD, MAPS, ISNN, FALS, OKFC, PS4, PNTA, NKH, S12K, S12K, SDPT, CNBA, CHGN, CHGN, O16K, N15K, OHAK, M1AK, P16K, KDAK, KDAK, KDAX, O18K, SYI, M17K, K15K, N19K, RSO, CNPM, BRLK, J16K, L19K, TTA, R00, K20K, GHO, H1N, SCM, KLU, RAGM, HMT, M25K, WAX, VRDI, MCARA, ROSE, GRNC, ILAR, M26K, M29M, N30M, N30M, M30M, K29M, C23K, H29M, H29M, I30M, G29M, H31M, G31M, INK, INK, PETK, C36M, YKA.

IDC 15 18:15:32.7.1.9, 11.21S-116.16E, h0km, mb3.7/4, mbmtmp3.7/6, ML3.3/2, Error ellipse: s-maj=78.7km s-min=22.0km az=40.0, ISC 15 18:15:32.3.0.9, 11.58S-109.116E, 0.07, h10km, n15, r=365/17, mb3.9/3, South of Sumbawa

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Includes stations like PLA, JAGI, MMRI, UCM, BATTI, MBWA, FITZ, GIRL.

Table with columns: MEEK, WRKA, WRA, WRA, ASAR, ASAR, MKAR, KURBB, ZALV. Includes station names, coordinates, and various parameters.

IDC 15 18:31:03.8.1.7, 42.43S-173.69E, h0km, mb3.3/2, mbmtmp3.4/4, ML3.3/2, MS3.0/1, Error ellipse: s-maj=49.4km s-min=29.7km az=143.0, NOU 15 18:31:05.4, 42.60S-173.78E, h3km, MLV4.1/10, South Island, New Zealand, WEL 15 18:31:08.4.0.5, 42.52S-177.4E, h11km, 3km, M3.7/8, ML3.9/8, MLV3.7/8, Error ellipse: s-maj=0.0km s-min=0.0km az=123.7, confirmed, ISC 15 18:31:07.3.0.9, 42.50S-173.68E, 0.03, h18km, 4km, n96, r=1932/112, South Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Includes stations like KIKS, KHZ, CECS, WTMTC, KEKS, HSES, GVZ, SCAC, BSWC, CMWZ, THZ, AMCZ, LTZ, TUWZ, MRNZ, MRNZ, NNZ, TCW, BHZ, MHW, AMCZ, OXZ, WEL, AKCZ, PLWZ, KANZ, DSZ, RAKA, INZ, DUNZ, PAWZ, CAW, MHZ, TRWZ, KIWI, QRZ, WAZ, WACZ, OGWZ, HOWZ, WVZ, RPZ, RPZ, RPZ, RPZ, ARCX, TIWZ, GCSZ, BFZ, BFZ, DMVZ, WAZ, TSZ, FOZ, PRHZ, LBZ, PKHZ, NNWZ, WTVZ, KRHZ, ETVZ, KWHZ, KRHZ, TMVZ, BKZ, BKZ, HIZ, HAZ, UCM, TOZ, URZ, URZ, URZ, URZ, WRA, ARCES, TORD.



0.2nm, 0.4s, baz=136, slow=2.2, SNR=2.3

IDC 15 18:35:02.9... 1.0, 2.9; 18N:129.31E, h0km, mb3.5/8, mblmp3.6/9, ML3.6/11, MS3.3/16, Error ellipse: s-maj=31.6km s-min=19.5km az=84.0

JMA 15 18:35:04.1... 0.3, 2.9; 21N:129.31E, h11km, MW4.1, Moment Tensor Solution: s-maj=0.40; s-min=0.39; M=0.08; M=0.66; Fault plane solution: Ms1.77000x1015 NP1: 0=116.00000, 858.00000, -1-59.00000. NP2: 0=248.00000, 843.00000, -1-129.00000.

ISC 15 18:35:04.5... 1.1, 29.13N; 0.04; 129.31E; 0.08, h10km; 7km, n38, r150/31, mb3.57, MS3.2/12, Ryukyu Islands

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

CATAC 15 18:43:35.7... 0.5, 13.45N; 90.37W, h33km; 6km, ML4.0

SNET 15 18:43:37.0... 1.5, 13.66N; 90.24W, h68km, ML4.2

GCG 15 18:43:40.2... 0.4, 13.73N; 90.43W, h50km; 23km, MD3.7

ISC 15 18:43:36.7... 1.4, 13.50N; 0.08; 90.31W; 0.05, h61km; 16km, n64, r072/85, 2C-3D, Near coast of Guatemala

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

Table with columns: SNET, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations for the IDC 15 18:48:39.2 event.

NNC 15 18:48:39.2... 1.7, 38.64N; 69.62E, h0km, mb3.7, mpv3.5

Error ellipse: s-maj=12.6km s-min=10.2km az=11.0

ISC 15 18:48:39.6... 1.4, 38.52N; 0.2, 69.61E; 0.1, h12km, n10, r084/14, 4C-5D, Tajikistan

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

IDC 15 19:23:45.0... 6.0, 32.45N; 85.18E, h0km, mb3.5/16, mblmp3.5/20, ML3.4/3, MS3.1/2, Error ellipse: s-maj=24.9km s-min=15.5km az=47.0

ISC 15 19:23:48.5... 0.8, 32.52N; 0.1, 85.1E; 0.1, h16km, n22, r106/22, mb3.57, Xizang

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

0.7nm, 0.8s

Table with columns: ARCES, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations for the ARCES Array B event.

IDC 15 19:28:27.3... 10.0, 1.48N; 99.25W, h0km, mb3.6/4, mblmp3.6/4, MS3.5/7, Error ellipse: s-maj=16.49km s-min=13.44km az=101.0, West of Galapagos Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations for the West of Galapagos Islands event.

BUI 15 19:30:41.9... 0.0, 1.41N; 126.78E, h45km, mb5.4/93, mB5.7/68, Ms5.9/99, Ms7.5/93

MOS 15 19:30:41.4... 0.9, 1.41N; 126.81E, h39km, mb6.1/87, MS5.2/38, Error ellipse: s-maj=7.2km s-min=3.9km az=112.6

NEIC 15 19:30:42.8... 1.41N; 126.89E, h36km

NEIC 15 19:30:42.8... 1.41N; 126.89E, h36km

NEIC 15 19:30:42.8... 1.41N; 126.89E, h36km

Moment Tensor Solution: Duration: 488 Moment tensor: Scale 1018Nm; M=0.07; M=0.77; M=0.70; M=0.14; M=0.88; M=0.11; Fault plane solution: Ms1.16000x1018 NP1: 0=250.40000, 886.66000, -1-171.14000. NP2: 0=159.88000, 881.16000, -1-3.38000. Principal axes: T 1.1861, Plg4.0000, Azm25.0000; N -0.0477, Plg81.0000, Azm271.0000; P -1.1383, Plg9.0000, Azm15.0000.

IDC 15 19:30:43.6... 1.0, 1.38N; 126.83E, h45km, 8km, mb5.4/34, mblmp5.7/36, ML5.5/2, MS5.1/37, Error ellipse: s-maj=14.8km s-min=8.8km az=72.0

NEIC 15 19:30:43.2... 2.8, 1.41N; 0.05; 126.88E; 0.06, h34km, 1km, mb6.0/375, Ms 20.5/414, Mw6.5/930, Mw6.0/30, Error ellipse: s-maj=10.4km s-min=8.0km az=230.0, Moment Tensor Solution: Moment tensor: Scale 1017Nm; M=1.29; M=6.88; M=6.98; M=1.66; M=4.80; M=1.61; Fault plane solution: Ms8.35000x1017 NP1: 0=243.42000, 889.15000, -1-184.72000. NP2: 0=153.19000, 874.72000, -1-0.86000. Principal axes: T 7.4873, Plg10.0000, Azm17.0000; N 1.5176, Plg75.0000, Azm247.0000; P -9.0048, Plg11.0000, Azm103.0000.

DJA 15 19:30:44.0... 0.2, 1.1N; 12.7E, h54km; 2km, M5.9/126, mb6.0/126, mB6.3/113, ML6.6/216, Mw6.0/48, Mw6.0/113, Mw6.5/673, Mw6.5/873

GCMT 15 19:30:47.2... 0.1, 1.51N; 126.85E, h40km, MW6.0/166, Moment Tensor Solution: s162.3c51, s166.c548; Duration: 2s5 Moment tensor: Scale 1018Nm; M=0.22; 0.1; M=0.96; 0.1; M=0.1; 1.8; 0.1; M=0.20; 0.1; M=0.80; 0.1; M=0.22; 0.1; Best double couple: M1.36700x1018 NP1: 0=243.00000, 888.00000, -1-169.00000. NP2: 0=153.00000, 879.00000, -1-2.00000. Principal axes: T 1.2420, Plg7.0000, Azm100.0000; N 0.2490, Plg79.0000, Azm255.0000; P -4.930, Plg9.0000, Azm109.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function

ISC 15 19:40:43.0... 0.2, 1.39N; 0.02; 126.83E; 0.03, h52km, 1km, h52km; pp-P, N1726, r1666/1746, mb5.9/345, MS5.4/308, 83C-46D, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations for the Northern Molucca Sea event.

15d 19h

Table of satellite data for 15d 19h, listing stations like TOLL2, TOLIT0, BNDI, etc., with columns for call sign, coordinates, and status.

2018 APR

Main table of satellite data for 2018 APR, listing stations like LEM Lembang, LEM Lemang, LEM Lemang, etc., with columns for call sign, coordinates, and status.

976

Table of satellite data for 976, listing stations like GZH, JOW Kunigami, JOW Kunigami, etc., with columns for call sign, coordinates, and status.







15d 19h

Table with columns: Station Name, Frequency, Power, Class, Date, Time, etc. Includes stations like NRIK Noril'sk, AJN Aljan, and many others.

2018 APR

Table with columns: Station Name, Frequency, Power, Class, Date, Time, etc. Includes stations like L16K Owhat River, I17K Unsikleet, and many others.

980

Table with columns: Station Name, Frequency, Power, Class, Date, Time, etc. Includes stations like GNI Garni, GNI Garni, and many others.









15d 19h

Table with columns: Code, Station Name, Az, El, AzM, ElM, AzR, ElR, AzS, ElS, AzT, ElT, AzU, ElU, AzV, ElV, AzW, ElW, AzX, ElX, AzY, ElY, AzZ, ElZ. Rows include stations like BGNE Belgrade, MTE Manteigas, PBKS Viseu, etc.

2018 APR

Table with columns: Code, Station Name, Az, El, AzM, ElM, AzR, ElR, AzS, ElS, AzT, ElT, AzU, ElU, AzV, ElV, AzW, ElW, AzX, ElX, AzY, ElY, AzZ, ElZ. Rows include stations like Q52A Bidwell, PBNR Madeira, PBNR Binamanton, etc.

984

Table with columns: Code, Station Name, Az, El, AzM, ElM, AzR, ElR, AzS, ElS, AzT, ElT, AzU, ElU, AzV, ElV, AzW, ElW, AzX, ElX, AzY, ElY, AzZ, ElZ. Rows include stations like C1CP Calayan Island, C1CP Sagada Mountain, C1CP Pasuguin, etc.

985

2018 APR

15d 19h

Table with columns: STATION, COMP, FREQ, AZ, EL, POL, RFLX, SFR, SNR, NAME, POS, TIME, SFR, SNR, NAME, POS, TIME. Includes stations like LYX, TIA, LUWI, JMM, etc.

Table with columns: STA, FREQ, EL, POL, RFLX, SFR, SNR, NAME, POS, TIME, SFR, SNR, NAME, POS, TIME. Includes stations like VLA, XLT, GENI, etc.

Table with columns: STA, FREQ, EL, POL, RFLX, SFR, SNR, NAME, POS, TIME, SFR, SNR, NAME, POS, TIME. Includes stations like WRO, HYB, QIS, etc.

15d 19h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like NIL Nilore, SEM Semipalatinsk, and BIL Bilibino.

2018 APR

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like BILL Bilibino, WSK Wadi Sarin, and ARU Arti.

986

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like L16K Owhat River, F18K Selawik, and IMAR Indian Mountain.

Main data table with 4 columns: Station Name, Date, and various numerical values. Includes entries like B22K Teshekpuk Lake, O19K Port Alsworth, and many others.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like SORM Soroca, MILM Milestii Mici, RAFA Rauma, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like BZS Buzias, DOMB Dombas, LANS Liptovska Anna, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like SFJD, DY2G Dye2, KEST Kestras, etc.

IDC 15 19:51:50.9:0.7,33:11N:140:18E,h122km:3km,mb3.8/11, mInfp4.1/14, Error ellipse: s-maj=22.3km s-min=10.2km

NEIC 15 19:51:50.6:2.5,33:15N:0:07:140:3E:0.1,h129km:6km, mb4.2/27, Error ellipse: s-maj=14.1km s-min=9.5km

JMA 15 19:51:51.6:0.1,33:3N:0:3:14:0E:1,h121km:1km, MV4.5/28 E OFF HACHUJIMA ISLAND

ISC 15 19:51:50.1:0.7,33:17N:0:04:140:25E:0:07,h127km:5km, n85,+1940/94,mb4.2/24,6D,Southeast of Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Code Station Name Az El Freq Res, JHJ2 Mitsune, etc.









15d 21h

Table with columns: Station, Frequency, Power, Modulation, and other parameters. Includes stations like MNTX, TABL, K20K, R32K, MVCO, ANM, N25K, GLB, P29M, M24K, MCARA, PV18, TXAR, CTG, CTGM, WAT6, CAST, PLBC, J19K, WAT1, O28M, PV01, O29M, O29M, T35M, ANMO, NEW, G15K, TRF, TRF, SKAG, CHUM, P30M, J20K, J20K, H20K, DHY, S34M, RND, RND, TNA, GCSA, YUK8, YUK8, YUK6, G16K, PAX, M26K, BPAW, MCK, MCK, MCK, HYT, H18K, H18K, YUK3, Q32M, Q32M, P32M, YUK4, G17K, M27K, M27K, M27K, TPAW, O30N, O30N, O20A, L26K, DLBC, H19K, LRM, WHY, K24K, N30M, N30M, G18K, H20K, NEA2, RIDG, L27K, BW06, PD31, PD31, PDAR, PDAR, I21K, R33M.

2018 APR

Table with columns: Station, Frequency, Power, Modulation, and other parameters. Includes stations like YFT, MLY, P33M, P33M, HDA, OVMT, BOZA, H17A, CCB, F17K, N31M, M29M, YNR, G19K, G19K, SCRK, SCRK, H21K, H21K, LKWY, I23K, I23K, I23K, COLA, MDM, SDCO, SDCO, IL31, IL31, ILAR, LYMT, IMAR, J25K, J25K, POKR, N32M, H22K, K27K, E17K, M30M, M30M, M30M, MSTX, J26L, J26L, F19K, L29M, L29M, L29M, T25A, T25A, T25A, T25A, H23K, RWWY, G21K, G21K, M31M, Q24A, E18K, ISCO, ISCO, H24K, H24K, WTLY, D17K, F20K, R33A, RLMT, RLMT, PRP, DAWY, DAWY, DAWY, N23A, N23A, E19K, E19K, E19K, EGAK, TOAD, RDGO, K29M, K29M, G22K, G22K, G23K, F21K, F21K, RTBA, K22A, PMSA, AMTX, AMTX, H25L, C17K.

992

Table with columns: Station, Frequency, Power, Modulation, and other parameters. Includes stations like G24K, F22K, COLD, I27K, C18K, MPMY, MPMY, G25K, E20K, I28M, I28M, D19K, D19K, EGMT, TGTV, J30M, APMT, ABTX, ABTX, BRDY, BRDY, H03S2, H03S1, H03S3, H27K, F24K, F24K, E22K, E22K, E22K, D20K, E21K, C19K, KOTAN, KSCO, G26K, B18K, E23K, I30M, I30M, E24K, E24K, F25K, BMAR, G27K, G27K, EDM, D22K, D22K, D22K, C21K, H29M, H29M, H29M, F26K, TOLK, TOLK, E25K, E25K, E25K, D23K, PLPT, B21K, B21K, B21K, A19K, EPYK, LAO, B20K, B20K, B20K, H31M, H31M, G29M, G29M, G29M, WMOK, D19K, RSSD, RSSD, RSSD, OGNE, WHTX, F28M, F28M, E27K, C23K, C23K, C23K, G30M, G30M, G30M, D25K, C24K, B22K.

Table of astronomical observations from 09:30 to 14:30, listing stations like Cedar Bluff, Satah River, and Satah River. Columns include station name, time, elevation, and other parameters.

Table of astronomical observations from 15:30 to 20:30, listing stations like Buzias, Mray, Hungar, and Reutte. Columns include station name, time, elevation, and other parameters.

SOME 15 22:28:45.8, 43°57'N;-86°32'E, h5km NNC 15 22:28:49.6: 1.5, 43°56'N;-86°16'E, h0km, mb4.0, mpv3.7, Error ellipse: s-maj=12.5km s-min=7.6km az=137.0

Table of astronomical observations from 21:30 to 23:30, listing stations like Makanchi Array, Jarkent, and Makanchi. Columns include station name, time, elevation, and other parameters.

Table of astronomical observations from 23:30 to 05:00, listing stations like SAUI, SAUI, SAUI, and SAUI. Columns include station name, time, elevation, and other parameters.





15d 23h

s-maj=24.3km s-min=17.8km az=139.0
BUJ 15:23:12:55.9.0.0, 20.145; 177.39E, h10km, mb, 4.9/4.0,
m85.4/24, Ms, 0.8, Ms7 4.6/9
NEIC 15:23:12:57.1.0.2, 20.175; 0.08:177.5E:0.1, h10km, km,
mb, 2.195, Ms, 20.4, 8/21, Error ellipse: s-maj=18.9km
s-min=11.6km az=124.0
GCMT 15:23:12:57.1.0.2, 20.47S: 0.01; 177.40E: 0.01, h28km,
MW5.2/126, Moment Tensor Solution. s80,c107,
s126,c205; Duration: 1s0 Moment tensor: Scale 1016
Nm; Mn=0.14; M2=4.85; M3=16; M4=4.99; 16;
M5=2.22; 29; M6=5.60; 14; M7=0.22; 27; Best double
couple: 7.7800e-016, NP1=69.00000; 8.66.00000;
1:-16.00000; NP2=6.160.00000; 8.74.00000;
1:-176.00000; Principal axes: T 7.6870, P1g8.0000,
Azml15,00000; N 0.1850, P1g73.0000; nzml235,0000; P
-7.8730, P1g14.0000; Azm23,0000; Asta1 refers to body
waves, cutoff=40s. nsta2 refers to surface waves,
cutoff=50s. Triangular moment-rate function
ISC 15 23:12:55.4.0.3, 20.43S: 0.07; 177.46E: 0.06, h10km, n436,
c=1567/390, mb5.1/128, Ms4.5/50, 6C-3D, South of Fiji

2018 APR

996

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists various seismic stations and their characteristics.

Table with columns: Station Name, Time, Res, ISC. Lists seismic stations such as JUNU Nakatsue, GQSPA South Pole Qui, NACB Niganchiao, ASAJ Asahikawa, SHEM Shemuya Is, etc.

Table with columns: Station Name, Time, Res, ISC. Lists seismic stations such as XLT XiLinHaoTe, PINE Pine Mountain, L19K White Mountain, L19K White Mountain, etc.

Table with 4 main columns: Station ID, Station Name, Elevation (m), and Date. Includes sub-columns for coordinates, status, and other details. Rows include stations like HAWA Hanford, MCARA McCarthy VSAT, PKCU Pink Cliffs, etc., up to LYMT Lyon Mountain.







15d 23h

Table with columns for station ID, name, frequency, power, class, and other parameters. Rows include HAiley, Kayak Island, Pearl Lake, White Mountain, Whale Pass, Susitna One, Cordova Ski Ar, Glacier Island, Taian, Preston Nutter, Albuquerque, Niuklu, Anvik River, Skwentna, Blindstream Ca, Willow, Knik Glacier, Palmer, Farewell, AK, Chrisman Ranch, Magadan, Pelican, Hardware Ranch, Wrangell Island, Wrangell Isian, Tatalina, Killisnoo, Glory Hole Cre, Waxed Ridge, Gunungstoli, Sawmill, Bremner River, Glacier View, Innoko River, Cirque, Peninsula, Klutina, Klutina, Sheep Creek Mo, Sheep Creek Mo, Matias Romero, Juniper Island, Tana Glacier, Red Mountain, Table Mountain, Telida, Granite Creek, Juneau Island, Verde Repeater, Newport, Windy Craggy, Chitina, Valde, Windy Craggy, Gilahina Butte, Tolsona, Glenn, Tolsona, Glenn.

2018 APR

Table with columns for station ID, name, frequency, power, class, and other parameters. Rows include Elim, McCarthy VSAT, Logan Glacier, Chitna Glacier, Chitina Glacie, Barnard Glacier, Castle Rocks, Susitna Watana, Poorman, Pleasant Camp, Susitna Watana, Niuklu, Mount Lpton, Mount Kennedy, White River Ci, White River Ci, Del Rio, Nakansitram, Thorare Moun, Thorare Moun, HAARP, Skagway, Skagway, Lake Minchumin, Nowinta River, Nowinta River, Tin City, Million Dollar, Telegraph Cree, Telegraph Cree, Snowmass, Denali Highway, Denali Highway, Denali Highway, Ozona, Reindeer, Reindeer, Indian Meadow, Galena City Sc, Moose Ponds, Steele Glacier, Heihe, El Pedregal, Great Sand Dun, Great Sand Dun, Outpost Moun, North Star Dit, Pinedale Array, Pinedale Array, Pinedale Array, Honhosra River, Paxson, McKinley, Nabesna, AK, Nabesna, AK, Haines Junctio, Haines Junctio, Hongsan, Kiwally Mouna, Moose Creek, Nakina River, Atin, Talbot Arm, LuoYang, Edge Creek, AK, Edge Creek, AK, Grant Village, Holmes Hill, Bozeman (W), Bozeman (W), Bozeman (W).

1000

Table with columns for station ID, name, frequency, power, class, and other parameters. Rows include Bozeman (W), Mentasta, Trinidad, Ovando, Mendenhall, Mendenhall, Baijatuau, Baijatuau, Lake, Dease Lake, Dease Lake, Dease Lake, Log Cabin Wild, Log Cabin Wild, Junction City, Junction City, Beaver Creek, Semychan, Semychan, Roundabout Mou, Roundabout Mou, Meulaboh, Acoeh, Whitehorse, Whitehorse, Tagagawik, Donnelly Dome, Aishkik Lake, Anoteneega Mo, Lyon Mountain, Divide, Independent Ri, Independent Ri, Wood River Hill, Tanana, Beaver Creek, Jennings River, Jennings River, Beaver Creek A, Guiyang, Manley, Teslin, Yukon, Teslin, Yukon, Baldwin Pennin, Son La, Harding Lake, Harding Lake, Clear Creek Bu, Braeburn, Braeburn, Braeburn, Purcell Mouna, El Transito, Somme Creek, Melozitna Rive, Rita Blanca, Sand Creek, Sand Creek, Mlnto, Yukon-K, College, College, Murphy Dome, Eielson Array, Eielson Array, Indian Mouna, Salcha River, Salcha River, Brady, Hotham Inlet, POKR, POKR, Quiet Lake, Quiet Lake, Ishalina Cre, Ishalina Cre, Abtlen Hawle, Abtlen Hawle, Chicken, Chicken, Shalericuk Mo.



Table with 5 columns: MYKA, DAVA, FETA, DBIC, ESDC, ESDC, KEST, TOR, TOR, TOR. Columns include station name, frequency, and other technical details.

Table with 5 columns: ASF, EIL, IDC, GCMT, NEIC, ISC. Columns include station name, frequency, and other technical details.

Table with 5 columns: TOR, TOR, CONA, KBA, MOA, BIOA, BVAR, BVAR, ARU, ARU, BOSA, BOSA, GECZ, GECZ, GERES, GERES, WTTA, WTTA, WATA, WATA, SUW, SUW, MAKZ, MAKZ, SQTA, SQTA, MK31, MK31, MKAR, MKAR, KIRV, KIRV, KURBB, KURBB, PABE, PABE, WMQ, WMQ, WMQ, WMQ, SUR, SUR, CMAR, CMAR, CMAR, CMAR, FINES, FINES, FINES, FINES, ZALV, ZALV, ESDC, ESDC, HFS, HFS, NB2, NB2, NOA, NOA, NOA, NOA, EKA, EKA, ARCES, ARCES, XAN, XAN, SONM, SONM, NRK, NRK, NRK, NRK, HHC, HHC, HHC, HHC, HHC, HHC, KLR, KLR, SFJD, SFJD, MJAR, MJAR, WRA, WRA, ASAR, ASAR, PDAR, PDAR, TXAR, TXAR.

IDC 15 23:44:44.8-1.6, 55:26N-166:34E, h0km, mb3.5/9, mbmp3.5/10, ML3.6/1, MS4.0/3, Error ellipse: s-maj=43.2km s-min=17.7km az=167.0, KRSC 15 23:44:46.4-1.9, 55:24N-166:44E, h40km, 10km, M4.4, Felt [I-III] at Nikolskoe.

MOS 15 23:44:47.3-1.1, 55:32N-166:59E, h40km, mb4.0/1, Error ellipse: s-maj=10.6km s-min=6.7km az=159.1, ISC 15 23:44:46.9-0.8, 55:32N-167:00E, h20km, n86, e136/92, mb3.6/10, MS4.1/3, Komandorsky Islands

IDC 15 23:59:45.0-0.7, 12:06N-46:43E, h0km, mb4.0/29, mbmp4.0/31, ML3.4/2, MS4.0/26, Error ellipse: s-maj=16.3km s-min=14.5km az=175.0, GCMT 15 23:59:45.0-0.4, 12:20N-03:46:34E-0.05, h19km, 1km, MV4.8/80, Moment Tensor Solution, s16,c16; s80,c113; Duration: 0 Moment tensor; Scale 10^16Nm; Mr-2.33e-23; Mw-1.93e-14; Mw0-0.39e-13; Mw0.09e-24; Mw-0.57e-07; Mw0.35e-39; Best double couple: M2-24900-1015; NP1=118.00000; 846.00000; -79.00000; NP2: 0.2800000; 845.00000; A-101.00000; Principal axes: T 2.1170, P1g0.0000, Azm198.0000, N 0.2610, P1g8.0000, Azm288.0000; P-2.3820, P1g82.0000; Azm106.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NEIC 15 23:59:47.5-1.9, 12:21N-01:46:4E-0.1, h10km, 2km, mb4.4/29 Error ellipse: s-maj=20.6km s-min=14.0km az=143.0, ISC 15 23:59:46.6-0.5, 12:14N-08:46:36E-0.06, h10km, n97, e1924/91, mb4.2/52, MS4.0/26, 1D, Western Gulf of Aden

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Res. Lists stations like Bering, Krutoberegovo, Zelenaya, etc.

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Res. Lists stations like Arta Tunnel, Desse, Furi, etc.

NEIC 16 00:01:30.2-0.6, 36:22N-01:01:47E-0.009, h6km, 5km, Error ellipse: s-maj=2.0km s-min=0.8km az=156.0, TUL 16 00:01:30.2-0.5, 36:22N-01:01:47E-0.009, h4km, 5km, ML2.4, mb, Lg3.3/11 (NEIC), ML2.6/80 (NEIC), Error ellipse: s-maj=1.8km s-min=0.9km az=156.0, Oklahoma

NEIC 16 00:01:30.2-0.6, 36:22N-01:01:47E-0.009, h6km, 5km, Error ellipse: s-maj=2.0km s-min=0.8km az=156.0, TUL 16 00:01:30.2-0.5, 36:22N-01:01:47E-0.009, h4km, 5km, ML2.4, mb, Lg3.3/11 (NEIC), ML2.6/80 (NEIC), Error ellipse: s-maj=1.8km s-min=0.9km az=156.0, Oklahoma

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Res. Lists stations like Liberty Lake, Carrier, Mehan, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Grant County #, QUOK, OK032, KAN13, etc.

AFAD 16 00:02:03.4-0.0, 38.35N-45.65E, h7km, 1km, ML3.1
AZER 16 00:02:06.6, 38.45N-45.21E, h5km, ml3.8
NSPP 16 00:02:06.4, 38.30N-45.65E, h10km, Ms3.9

DRS 16 00:02:07.1, 37.83N-45.21E, h2km
TIF 16 00:02:07.9, 38.37N-45.47E, h2km, 2km
TEH 16 00:02:07.9, 38.37N-45.40E, h16km, 26km, ML3.5

NEIC 16 00:02:09.1, 1.0, 38.46N-0.04-45.4E, 0.1, h10km, 2km,
mb3.5/5, Error ellipse: s-maj=17.8km s-min=4.2km
az=252.0

ISC 16 00:02:08.2-1.1, 38.37N-0.02-45.40E, 0.102, h5km, 5km,
n129, s1965/192, mb3.5/5, 2C, Iran-Armenia-Azerbaijan
border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IShB, IMRD, ITBZ, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TVAN, YANB, MAHB, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CHRG, KMKR, URKR, etc.

IDC 16 00:04:31.9-2.5, 29.16N-140.93E, h0km, mb3.6/7,
mbmp3.6/7, Error ellipse: s-maj=11.9km s-min=27.9km
az=79.0

ISC 16 00:04:42.8-2.3, 29.29N-120.2141E, 0.07, h90km, n7,
s08777, mb3.7/7, Southeast of Honshu

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

IDC 16 00:12:06.7-2.1, 2.67S-141.11E, h0km, mb3.4/2,
mbmp3.5/3, ML3.4/1, Error ellipse: s-maj=430.8km
s-min=31.3km az=111.0, Near north coast of New
Guinea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA, ASAR, H1S3, etc.

VAO 16 00:29:40.3-2.2, 0.63S: 79.33W, h10km, mb4.5
IDC 16 00:30:08.0-1.7, 1.90S: 78.00W, h159km, 17km, mb3.4/10,
mbmp3.9/15, Error ellipse: s-maj=20.6km s-min=12.2km
az=77.0

NEIC 16 00:30:07.1-2.2, 1.94S: 0.07-78.01W, h0km, h149km, 9km,
mb4.2/21, Error ellipse: s-maj=12.8km s-min=9.6km
az=77.0

RSNC 16 00:30:08.2-0.8, 2.5S: 78.7W, h143km, 14km, mb5.6,
mb4.4, ML3.2, Mw(mb)5.1

ISC 16 00:30:06.7-0.5, 1.89S: 0.05-78.02W, 0.07, h150km, n75,
s1555/78, mb4.0/19, Ecuador

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CHSH, SLOr, PULU, etc.

16d Oh

Table of astronomical observations for 16 days, listing station names, coordinates, and observation details.

2018 APR

Main table of astronomical observations for April 2018, including station names, coordinates, and observation details.

1004

Table of astronomical observations for station 1004, listing station names, coordinates, and observation details.



16d 2h

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, Error Rate, etc. Includes stations like Humbligny, La Murta, Avrill sur Loir, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, Error Rate, etc. Includes stations like IDC 16 01:54:14.6±1.5, 27.96N±55.00E, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, Error Rate, etc. Includes stations like LAR1 LAR, GENU Genio, etc.

2018 APR

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, Error Rate, etc. Includes stations like TNSS 36nm,0.4s, TNS5 Tian-Shan, etc.

1006

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, Error Rate, etc. Includes stations like SGDS 16nm,0.4s, KTMS Ketmen, etc.











Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Contains station data for various locations including Port Moresby, Alice Springs, Warramunga, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Contains station data for various locations including Quartz Range, Kiruk, Greta Valley, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Contains station data for various locations including Keshet, Giv'at Ha'Em, Khabaz, etc.

16d 4h

Table with columns for station name, frequency, power, and other technical details. Includes stations like LPSR Galich'ya Gora, SMDO Samad, and AKASG Malin Array Be.

2018 APR

Table with columns for station name, frequency, power, and other technical details. Includes stations like ARU Arti, ARU Art, and ARU Arti.

1012

Table with columns for station name, frequency, power, and other technical details. Includes stations like KURK Kesra, RAF Rauma, and KURK Kesra.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Summit, Tiksi, Ammassalik, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Monte Fema, Cesi-Serrava, Monte Cornacci, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SAN MARTINO, Cesi, Pelicciotta, etc.

16d 5h

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like ZALESOVO INFRA 1.59 259 and ZALESOVO BEAM 1.59 259.

NEIC 16 05:20:53.3: 1.0, 17.6S:0.2:178.0W:0.1, h616km, 18km, mb4.2/15, Error ellipse: s-maj=35.4km s-min=19.6km

IDC 16 05:20:57.5:10.0, 17.37S: 178.81W, h616km, 129km, mb3.1/4, mbtmp4.1/4, Error ellipse: s-maj=204.8km s-min=39.7km az=154.0

ISC 16 05:20:53.4:0.7, 17.8S:0.2:178.13W:0.10, h600km, n22, e137/22, mb4.1/13, Fiji Islands region

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like NONSAVU 3.64 271 and AFILAFI 7.24 59.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like CTAO Charters Tower 33.72 260 and COEN COEN 37.37 270.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like STKA Stephens Creek 38.91 241 and WBO Warramunga Arr 44.88 260.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like WRA Warramunga Arr 44.91 259 and WRA Warramunga Arr 44.91 259.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like AS31 Alice Springs 45.07 254 and ASAR Alice Springs 45.07 254.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like FORT Forrest 50.29 245 and MBWA Marble Bar 58.35 256.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like OSPA South Pole Qui 72.24 180 and TXAR Lajitas Array 85.72 58.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like PDAR Pinedale Array 87.10 43 and IDC 16 05:25:35.0:3.2, 54.61N:86.60E, h0km, mbtmp3.0/2, ML2.8/2, Error ellipse: s-maj=27.4km s-min=17.2km.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like ZALESOVO INFRA 1.24 238 and ZALV Zalesovo Beam 1.24 238.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like ZALV Zalesovo Beam 1.59 292 and ZALV Zalesovo Beam 1.59 292.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like ZALESOVO INFRA 1.59 292 and KURBB Kurchatov Arra 6.06 246.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like MKAR Makanchi Array 7.34 208 and MKAR Makanchi Array 7.34 208.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like TRN 16 05:45:53.9, 13.78N:58.38W, h83km, MD4.2, North-east of Barbados., North Atlantic Ocean.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like BBGH Gun Hill 1.31 241 and BCGH Barbados, Cave 1.38 242.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like GCMP Grenada, Carri 2.02 247 and GCMP Isle de Caille 3.46 245.

IDC 16 05:50:31.5:3.2, 54.42N:87.16E, h0km, mbtmp2.7/2, ML2.5/2, Error ellipse: s-maj=28.1km s-min=19.9km

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like H46RU ZALESOVO INFRA 1.45 252 and ZALV Zalesovo Beam 1.45 252.

NEIC 16 05:53:49.1:2.9, 21.98S:0.10:177.9W:0.1, h347km, 5km, mb4.7/22, Error ellipse: s-maj=14.8km s-min=13.2km

IDC 16 05:53:51.3:0.8, 22.01S:178.26W, h376km, 9km, mb3.9/19, mbtmp4.6/21, Error ellipse: s-maj=13.4km s-min=11.0km

ISC 16 05:53:50.6:0.3, 22.13S:0.05:178.11W:0.05, h376km, n59S, 0.89E/548, mb4.7/158, 6C-9D, South of Fiji Islands

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like MVSF Nonsavu 5.67 320 and RAO Pout Island 7.10 179.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like NIUE Niue 8.24 70 and AFI Afiamalu 10.15 37.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like MARNC Mares, Loyalty 12.89 270 and PINNC Pines Island, 13.27 265.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like ARMA Armidale 28.30 247 and EIDS Eidsvold 28.35 257.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like TAU Tasmania Unive 35.41 226 and PMG Port Moresby 35.63 285.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like STKA Stephens Creek 37.01 246 and STKA Stephens Creek 37.01 246.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like COEN Coen 37.61 276 and BBOO Buckleboe 41.75 245.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like AS31 Alice Springs 44.07 258 and ASAR Alice Springs 44.07 258.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like WRO Warramunga Arr 44.11 264 and WBO Warramunga Arr 44.28 264.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like FORT Forrest 48.57 248 and FAKI Fak Fak 51.78 231.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like BELA Beltrano 77.97 173 and BELA Beltrano 77.97 173.

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Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like BELA comp=Z, 11nm, 0.8s and KRSR Kora Array 78.03 319.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like KSAR Wonju Array Be 78.03 319 and SDPT Sand Point 78.62 10.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like S12K Black Hills 78.71 9 and P08K Saint George I 78.75 5.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like PKM McPherson Peak 79.20 45 and CIS Catalina Islan 79.27 47.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like BCWF Bitter Crk WRG 79.50 46 and FMP Fort Macarthur 79.50 47.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like S14K Fog Glacier 79.67 10 and DECC Green Verdugo 79.82 47.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like PASC Pasadena Art C 79.87 47 and PASC Pasadena Art C 79.87 47.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like 109C Camp Elliot, M 79.88 48 and 109C Camp Elliot, M 79.88 48.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like CHGN Chignik 79.88 11 and KMPM Mount Pierce 79.96 39.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like ARVC Arvin 79.96 46 and KMRM Mt Ridge 80.07 39.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like ELS Elnor Mount 80.08 48 and ELS Elnor Mount 80.08 48.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like MURC Murrieta 80.22 48 and VES Vestal, Richgr 80.25 45.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like USRK Ussuriysk Ar. 80.25 326 and USRK Ussuriysk Ar. 80.25 326.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like BFCF Mount Baldy Ra 80.27 47 and VOG Valley Oaks Go 80.33 44.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like MONP2 Monument Peak 80.35 49 and SRIG Santa Rosalia 80.43 55.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like IKP In-Pah, Jac 80.44 49 and ISA Isabella, Lake 80.54 45.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like ISA Isabella, Lake 80.54 45 and ISA Isabella, Lake 80.54 45.

Table with 11 columns: Code, Station Name, Azimuth (A), Phase (AZ), ID, Time (h:m:s), Res (ISC). Includes stations like YUH Yuha Desert 80.56 49 and YUH Yuha Desert 80.56 49.



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O16K	comp=Z,18nm,1.5s Kokwok River B baz=198	83.06	10	P	P	06 05 34.1	-0.7
N15K	comp=Z,11nm,1.1s Hwathluk River	83.31	9	P	P	06 05 35.4	-0.7
W13A	comp=Z,12nm,0.8s Hualapai Mount	83.32	48	I	I	06 05 38.4	+1.4
W13A	comp=Z,12nm,0.8s Big Mountain,	83.37	12	P	P	06 05 35.6	-0.8
P18K	comp=Z,11nm,1.1s P18K	83.37	12	P	P	06 05 35.9	-0.6
P18K	comp=Z,12nm,0.8s Big Mountain,	83.37	12	P	P	06 05 35.9	-0.6
O17K	comp=Z,11nm,1.1s Kolliganek Bris	83.40	11	P	P	06 05 36.4	-0.1
J05D	comp=Z,12nm,0.8s Fort Rock, OR	83.44	38	P	P	06 05 38.4	+1.0
S11A	comp=Z,12nm,0.8s Rachel	83.47	45	P	P	06 05 38.4	+0.7
M14K	comp=Z,12nm,0.8s Bethel	83.62	8	P	P	06 05 37.8	+0.3
BNX	comp=Z,6.0nm,0.7s BinXian	83.69	325	I	P	06 05 37.9	-0.4
BNX	comp=Z,6.0nm,0.7s BinXian						
BNX	comp=Z,130nm,4.9s Kasigliuk River	83.73	9	P	P	06 05 38.5	+0.4
M15K	comp=Z,130nm,4.9s Kasigliuk River	83.73	9	P	P	06 05 38.5	+0.4
H04A	comp=Z,130nm,4.9s Detroit Lake	83.79	36	P	P	06 05 38.6	-0.3
N16K	comp=Z,130nm,4.9s Nishlik Lake	83.80	9	P	P	06 05 38.8	+0.3
O18K	comp=Z,130nm,4.9s Koktuh Hills	83.81	11	P	P	06 05 37.5	-1.1
O18K	comp=Z,130nm,4.9s Koktuh Hills	83.81	11	P	P	06 05 38.3	-0.3
P19K	comp=Z,130nm,4.9s Oil Pt	84.00	12	P	P	06 05 39.0	-0.6
P19K	comp=Z,130nm,4.9s Oil Pt	84.00	12	P	P	06 05 39.3	-0.3
TUC	comp=Z,19nm,1.0s Tucson	84.06	52	P	P	06 05 40.0	+0.8
TUC	comp=Z,19nm,1.0s Tucson	84.06	52	P	P	06 05 41.4	+0.8
N17K	comp=Z,19nm,1.0s Nushagak Hills	84.10	10	P	P	06 05 39.2	-0.8
L14K	comp=Z,19nm,1.0s Kuka Creek	84.10	7	P	P	06 05 39.7	-0.3
M16K	comp=Z,19nm,1.0s Timber Creek	84.29	9	P	P	06 05 40.8	-0.1
O19K	comp=Z,19nm,1.0s Port Alsworth	84.29	12	P	P	06 05 40.0	-1.0
O19K	comp=Z,19nm,1.0s Port Alsworth	84.29	12	P	P	06 05 40.2	-0.7
ILSW	comp=Z,19nm,1.0s Iliamna Southw	84.32	12	P	P	06 05 40.3	-1.0
HOM	comp=Z,19nm,1.0s Homer	84.33	13	P	P	06 05 41.7	+0.6
WVOR	comp=Z,19nm,1.0s Wild Horse Val	84.44	40	P	P	06 05 42.0	-0.3
WVOR	comp=Z,19nm,1.0s Wild Horse Val	84.44	40	P	P	06 05 44.3	
N18K	comp=Z,19nm,1.0s Kilae Creek	84.46	11	P	P	06 05 41.9	0.0
O20K	comp=Z,19nm,1.0s Slope Mountain	84.52	13	P	P	06 05 42.1	-0.1
L15K	comp=Z,19nm,1.0s Ungalak Mounta	84.57	8	P	P	06 05 42.5	+0.2
BRLL	comp=Z,19nm,1.0s Bradley Lake	84.59	13	P	P	06 05 42.2	-0.3
BRLL	comp=Z,19nm,1.0s Bradley Lake	84.59	13	P	P	06 05 42.3	
BRSE	comp=Z,12nm,0.8s Bradley Lake S	84.60	14	P	P	06 05 42.4	-0.2
X16A	comp=Z,12nm,0.8s Lo Mia Camp, P	84.67	50	I	I	06 05 46.4	
LCMT	comp=Z,13nm,1.0s Little Creek M	84.79	47	I	I	06 05 46.4	
N19K	comp=Z,13nm,1.0s Bonanza Creek	84.84	11	P	P	06 05 42.6	-1.1
N19K	comp=Z,13nm,1.0s Bonanza Creek	84.84	11	P	P	06 05 44.7	
N19K	comp=Z,9.0nm,0.9s Bonanza Creek	84.84	11	P	P	06 05 43.0	-0.8
Q12A	comp=Z,9.0nm,0.9s Willow Creek R	84.85	44	P	P	06 05 45.4	+0.9
Q12A	comp=Z,9.0nm,0.9s Willow Creek R	84.85	44	P	P	06 05 48.6	
L16K	comp=Z,13nm,1.2s Owhat River	84.88	9	P	P	06 05 43.9	+0.1
M17K	comp=Z,13nm,1.2s Holtina River	84.89	10	P	P	06 05 44.1	+0.2
I07A	comp=Z,13nm,1.2s Izeze	84.92	38	P	P	06 05 45.8	+1.1
I07A	comp=Z,13nm,1.2s Izeze	84.92	38	P	P	06 05 46.9	
G06A	comp=Z,20nm,1.1s Carlson Farm	84.99	37	I	I	06 05 46.7	
ELIB	comp=Z,13nm,0.9s Princess Elisa	85.02	187	d	P	06 05 45.2	+0.4
KNB	comp=Z,3.6nm,1.2s Kanab	85.08	47	I	I	06 05 48.1	
J08A	comp=Z,13nm,1.1s Circle Bar Ran	85.08	39	I	I	06 05 47.4	
SPR3	comp=Z,23nm,1.3s Spring Creek 3	85.15	45	P	P	06 05 46.3	+0.2
SPR3	comp=Z,23nm,1.3s Spring Creek 3	85.15	45	P	P	06 05 47.6	
K15K	comp=Z,14nm,1.4s Wolf Creek Mou	85.16	8	P	P	06 05 45.8	+0.6
PSUT	comp=Z,14nm,1.4s Pine Spring	85.21	45	P	P	06 05 45.4	-0.9
SEW	comp=Z,14nm,1.4s Seward	85.21	14	P	P	06 05 45.1	-0.3
M18K	comp=Z,14nm,1.4s Stony River	85.23	11	P	P	06 05 45.5	0.0
WUAZ	comp=Z,14nm,1.4s Wupatki	85.29	49	I	I	06 05 49.1	
WUAZ	comp=Z,14nm,1.4s Wupatki	85.29	49	I	I	06 05 46.4	-0.3
GNW	comp=Z,14nm,1.4s Green Mountain	85.29	34	I	I	06 05 48.1	
CAPN	comp=Z,14nm,1.4s Captain Cook N	85.44	13	P	P	06 05 46.5	-0.1
D05A	comp=Z,14nm,1.4s Enumukal	85.49	35	P	P	06 05 48.2	+1.0
O22K	comp=Z,14nm,1.4s Cooper Landing	85.49	14	P	P	06 05 46.8	0.0
ELK	comp=Z,14nm,1.4s Elko	85.54	43	P	P	06 05 47.8	-0.1
N20K	comp=Z,14nm,1.4s Mount Spurr	85.63	12	P	P	06 05 46.4	-1.2
L18K	comp=Z,14nm,1.4s Granite Mounta	85.78	10	P	P	06 05 48.9	+0.7
L18K	comp=Z,14nm,1.4s Granite Mounta	85.78	10	P	P	06 05 49.3	
L18K	comp=Z,8.8nm,0.9s Granite Mounta	85.78	10	P	P	06 05 48.0	-0.3
X18A	comp=Z,7.2nm,0.9s Snowflake	85.79	50	I	I	06 05 51.0	
M19K	comp=Z,7.2nm,0.9s Big River Lodg	85.87	11	P	P	06 05 48.2	-0.5
M19K	comp=Z,7.2nm,0.9s Big River Lodg	85.87	11	P	P	06 05 55.7	
G05A	comp=Z,20nm,1.5s Pilot Rock	85.96	37	P	P	06 05 49.4	-0.3
MXC	comp=Z,20nm,1.5s Moxie City	86.01	36	I	I	06 05 50.4	+0.6
ZAIG	comp=Z,9.3nm,0.9s Zacatecas	86.01	64	I	I	06 05 51.7	
RC01	comp=Z,12nm,1.2s Rabbit Creek A	86.03	13	P	P	06 05 53.2	
RC01	comp=Z,12nm,1.2s Rabbit Creek A	86.03	13	P	P	06 05 48.7	-0.8
RC01	comp=Z,14nm,1.0s Rabbit Creek A	86.03	13	P	P	06 05 49.8	
L19K	comp=Z,14nm,1.0s White Mountain	86.05	11	P	P	06 05 49.4	-0.2
L19K	comp=Z,14nm,1.0s White Mountain	86.05	11	P	P	06 05 50.0	+0.4
L19K	comp=Z,20nm,1.3s White Mountain	86.05	11	P	P	06 05 50.2	
M20K	comp=Z,20nm,1.3s Styx River	86.08	12	P	P	06 05 49.0	-0.6
TROLL	comp=Z,115nm,0.7s Troli, Antarti	86.11	180	I	P	06 05 50.0	-0.1
SUA	comp=Z,115nm,0.7s Susitna One	86.16	13	P	P	06 05 49.4	-0.9
LTY	comp=Z,205,SNR=6.1 Liberty	86.23	35	I	I	06 05 51.9	
J16K	comp=Z,14nm,1.1s Anvik River	86.24	8	P	P	06 05 50.3	-0.1
CRAG	comp=Z,14nm,1.1s Craig	86.24	24	P	P	06 05 50.5	-0.1
K1A1M	comp=Z,21 Kayak Island	86.27	16	P	P	06 05 50.4	-0.2
121A	comp=Z,11nm,1.1s Cooks Peak, D	86.37	53	I	I	06 05 54.9	
121A	comp=Z,11nm,1.1s Cooks Peak, D	86.37	53	P	P	06 05 51.8	-0.3

SNA	comp=Z,47nm,1.0s Snae	86.40	179	I	P	06 05 50.5	-0.9
GLI	comp=Z,47nm,1.0s Glacier Island	86.44	15	P	P	06 05 50.8	-0.7
EYAK	comp=Z,208 Cotwa Ski Ar	86.47	15	P	P	06 05 50.5	-1.1
L20K	comp=Z,210 Farewell, AK	86.49	11	P	P	06 05 50.7	-1.1
VNA3	comp=Z,202 Neumayer Olymp	86.53	176	I	P	06 05 50.2	-1.9
TTA	comp=Z,6.1nm,0.7s Tatalina	86.56	10	P	P	06 05 51.3	-0.7
KNK	comp=Z,200 Knik Glacier	86.60	14	P	I	06 05 51.8	-0.5
KNK	comp=Z,200 Knik Glacier	86.60	14	P	I	06 05 54.1	
KNK	comp=Z,11nm,0.8s Knik Glacier	86.60	14	P	P	06 05 51.3	-1.0
PMR	comp=Z,6.4nm,0.7s Palmer	86.62	13	P	I	06 05 50.9	-1.4
PMR	comp=Z,6.4nm,0.7s Palmer	86.62	13	P	I	06 05 53.1	
PMR	comp=Z,5.4nm,0.7s Palmer	86.62	13	P	P	06 05 50.9	-1.4
HEH	comp=Z,207 Heihe	86.63	328	e	P	06 05 52.6	0.0
HEH	comp=Z,207 Heihe	86.63	328	e	P	06 05 52.6	0.0
BMO	comp=Z,6.0nm,0.6s Blue Mountains	86.65	38	P	P	06 05 52.5	-0.5
SIT	comp=Z,22 Sitka	86.67	22	P	P	06 05 52.5	0.0
V5K	comp=Z,219 Ketchikan	86.70	25	P	P	06 05 53.0	+0.2
U33K	comp=Z,222 Whale Pass	86.73	23	P	P	06 05 51.4	-1.4
DUG	comp=Z,221 Duyee, Tooele	86.78	44	P	P	06 05 53.5	-0.3
J18K	comp=Z,223 Innok River	86.95	9	P	P	06 05 54.0	+0.1
VNA2	comp=Z,200 Neumayer-Watz	86.97	177	I	P	06 05 54.1	0.0
D08A	comp=Z,3nm,0.6s,slow=5.9 Wolfman Farm,	87.05	36	P	P	06 05 54.5	-0.2
M23K	comp=Z,8.7nm,0.9s Glacier View	87.10	14	P	P	06 05 54.5	-0.1
CUT	comp=Z,208 Chulina	87.11	13	P	P	06 05 53.9	-0.7
BMRM	comp=Z,206 Bremner River	87.12	16	P	P	06 05 54.1	-0.7
BMRM	comp=Z,206 Bremner River	87.12	16	P	I	06 05 55.4	
BMRM	comp=Z,9.9nm,0.7s Bremner River	87.12	16	P	P	06 05 54.5	-0.3
WAX	comp=Z,211,SNR=9.0 Waxell Ridge	87.13	17	P	P	06 05 55.0	+0.2
WAX	comp=Z,211,SNR=9.0 Waxell Ridge	87.13	17	P	I	06 05 55.5	
E09A	comp=Z,11nm,0.8s Wood Farm, Sta	87.15	37	P	P	06 05 55.8	+0.6
PPLA	comp=Z,11nm,0.8s Purkeypile	87.19	12	P	P	06 05 54.3	-0.9
VNA1	comp=Z,204 Neumayer-Stat	87.20	177	I	P	06 05 54.8	-0.4
SCM	comp=Z,204 Sheep Creek Mo	87.23	14	P	P	06 05 54.9	-0.4
SCM	comp=Z,204 Sheep Creek Mo	87.23	14	P	P	06 05 54.4	-0.9
S32K	comp=Z,208,SNR=8.7 Killisnoo	87.24	22	P	P	06 05 55.7	+0.4
WRAK	comp=Z,208,SNR=8.7 Wrangell Islan	87.24	23	P	P	06 05 55.0	-0.7
KLU	comp=Z,222 Klutina	87.25	15	P	P	06 05 54.9	-0.5
K20K	comp=Z,209 Telida	87.28	11	P	P	06 05 55.0	-0.5
CRQM	comp=Z,202 Cirque	87.31	16	P	P	06 05 55.3	-0.5
CRQM	comp=Z,202 Cirque	87.31	16	P	I	06 05 56.7	
CRQE	comp=Z,11nm,1.0s Cirque	87.32	16	P	P	06 05 55.3	-0.5
F10A	comp=Z,212 Beach Ranch, E	87.					

16d 5h

Table with columns: R33M, HIA, M29M, M29M, M29M, N31M, N31M, LOHW, F19K, F19K, H22K, J25K, J25K, BW06, PD31, PD31, PDAR, PDAR, E18K, E18K, E18K, D17K, CMIG, YFT, G21K, G21K, H23K, OVMT, BOZT, BOZ, J26L, J26L, H17A, H17A, H17A, HHC, HHC, F20K, F20K, SDCO, M30M, M30M, M30M, CMAR, CMAR, CMAR, L29M, L29M, L29M, LKWK, E19K, E19K, H24K, OZNA, M31M, F21K, 833A, T25A, G22K, C17K, DAWY, DAWY, G23K, I26K, I26K, EGAK, EGAK, FARO, Q24A, Q24A, POST, C18K, C18K, K29M, ISCO, PZH, PZH, F22K, F22K, D19K, D19K, D19K.

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Table with columns: JCT, JCT, E20K, H20K, RLMT, RLMT, MAYO, MAYO, J29N, J29N, J29N, N23A, N23A, TOAD, SN05, SN05, I27K, G25K, G25K, D20K, C19K, C19K, AMTX, B18K, BRLDA, I28M, I28M, K22A, K22A, F24K, J30M, J30M, H27K, E23K, G26K, APMT, BRDY, E24K, ABTX, ABTX, C21K, D22K, F25K, I30M, G27K, TOLK, D23K, F26K, H29M, H29M, KSC0, B20K, E25K, D24K, EDM, EPYK, PLPT, G29M, C23K, F28M, F28M, B22K, FW03, FW03, E27K, C24K, WHTX, G30M, G30M, A22K, RSSD, RSSD, RSSD, G31M, E28M, F30M, C26K, E29M, D27M, F31M, D28M, INK, TUL3, YKA, MKAR, KURBB, BVAR, BRVK.

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Table with columns: KBL, LMN, SPB5, SPITS, GBN, SFJD, ABKAR, GEYT, ARCES, ARCES, ARCES, FINES, FINES, HFS, HFS, AKASG, KIEV, KIEV, EKA, BR13, BR13, BR13, BR13, KWP, ANTO, BUR08, MMAI, OJC, OJC, JLLR, CLL, CLL, KRLC, MORC, PSZ, ZVC, BTNL, KHC, KHC, KHC, CKRC, GEC2, GEC2, GERES, GERES, BMRD, CONA, CONA, RONA, RONA, WLF, BIOA, SOKA, LESA, LESA, KBA, WATA, WATA, RETA, WTTA, WTTA, WTTA, MOTA, ABTA, ABTA, DAVA, FETA, FETA, ESCD, TORD, TORD, TORD, Code, Station Name, A, A', Az', Op, Phase ID, ISC, h, s, Res, ISC.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Type, and Station Class. Includes stations like SS1K, V35K, R32K, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Type, and Station Class. Includes stations like MCARA, VRDI, Q23K, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Type, and Station Class. Includes stations like LSA, KKIM, H08S2, etc.

IDC 16 05:58:42.9,3.6,55.63N:86.37E, h0km, mbtmp2.6/2, ML2.5/2, Error ellipse: s-maj=30.1km s-min=26.2km

az=57.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Type, and Station Class. Includes stations like H46RU, ZALV, KURBB, etc.

IDC 16 06:06:35.7,2.8,54.13N:86.49E, h0km, mbtmp2.6/2, ML2.5/2, Error ellipse: s-maj=22.0km s-min=13.9km

az=57.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Type, and Station Class. Includes stations like H46RU, ZALV, KURBB, etc.

NEIC 16 06:07:57.0,2.0,6.88N:0.06:-92.09E:0.08, h10km, mb5.0/65, mB5.2/39, MS4.6/10, MS7.4/33

az=236.0, Error ellipse: s-maj=15.2km s-min=5.4km

IDC 16 06:07:59.8,3.0,7.40N:91.57E, h0km, mb4.0/9, mbtmp0.4/10, ML4.1/1, MS3.5/3, Error ellipse: s-maj=68.0km s-min=43.1km az=131.0

NDI 16 06:08:03.3,3.8,7.64N:91.46E, h10km, mb4.3, mb4.4(NEIC)

IDC 16 06:07:55.8,0.7,6.89N:0.08:-92.04E:0.08, h10km, n67, s144/51, mb4.2/17, MS3.5/3, Nicobar Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Type, and Station Class. Includes stations like PBA, PBA, PBA, etc.

BUI 16 06:09:33.5,0.0,6.32S:143.42E, h10km, mb5.0/65, mB5.2/39, MS4.6/10, MS7.4/33

IDC 16 06:09:38.1,0.5,5.89S:142.99E, h0km, mb4.9/19, mbtmp5.0/23, ML2.8/1, MS4.0/40, Error ellipse: s-maj=20.6km s-min=11.7km az=75.0

MOS 16 06:09:38.7,1.0,5.89S:142.74E, h14km, mb5.2/32, Error ellipse: s-maj=11.3km s-min=6.1km az=105.7

NEIC 16 06:09:40.7,1.6,5.94S:0.07:142.67E:0.07, h10km, 1km, mb5.2/19, Mwd4.8/4, Error ellipse: s-maj=11.6km s-min=11.2km az=179.0

DJA 16 06:09:43.6,0.9,6.13S:143.3E, h26km, gkm, M5.1/41, mb5.1/41, mB5.4/18, MLV5.7/77, Mw(MB)4.9/18, Mw(Mwp)5.7/1, Mwps.8/1

GCMT 16 06:09:43.6,0.4,6.00S:0.02:142.65E:0.03, h24km, MW5.0/64, Moment Tensor Solution, s28,c35; s64,c75; Duration: 0 Moment tensor: Scale 10^18Nm; Mr,3.44±.22; Mw-1.64±.13; Mw-1.80±.17; Mw-0.62±.17; Mw-1.43±.07; Mw-0.38±.22; Best double couple: M6.37600/0.16

NP1:3314.00000; 51.00000; 186.00000; NP2: 6.159.00000; 3.33.00000; 1.94.00000; Principal axes: T 3.5240, P1g3.0000, Azm201.0000, N -0.2970, P1g3.0000, Azm316.0000; P -3.2270, P1g6.0000, Azm46.0000; nsta1 refers to surface waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

IDC 16 06:09:42.3,0.2,6.04S:0.04:142.72E:0.04, h28km, n653, s111/605, mb5.1/160, MS4.1/78, 24C-2D, New Guinea

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Type, and Station Class. Includes stations like MMPI, JAY, PENI, etc.



Table with columns: ZALV, comp, Z, 66nm, 21.3s, baz=134, slow=35, LR, LR, 06 54 29.4, ZALV, Zalesovo Beam, 76.81 329, SDPT, Sand Point, 76.99 29, BOOM, Boomskeuche usch, 77.31 316, BOOM, Boomskeuche usch, 77.31 316, GAMB, Gambell, 77.55 19, TIXI, Tiksi, 78.07 356, TIXI, Tiksi, 78.07 356, AAK, Ala-Archa, 78.36 316, AAK, Ala-Archa, 78.36 316, AAK, Ala-Archa, 78.36 316, CHGN, Chignik, 78.47 29, O14K, Tiguykauivet M, 78.70 26, KURK, Kurchatov, 78.72 324, KURK, Kurchatov, 78.72 324, KURBB, Kurchatov Arra, 78.74 324, N14K, Kuskokwac Cree, 78.89 25, M14K, Bethel, 79.23 24, M14K, Bethel, 79.23 24, L14K, Kuka Creek, 79.27 24, L14K, Kuka Creek, 79.27 24, O15K, Ungalikthiuk R, 79.29 26, R16K, Pilot Point, 79.50 28, N15K, Kwethluk River, 79.69 25, L15K, Ungalik Mouta, 79.94 24, TNA, Tin City, 79.95 19, KBL, Kabul, 80.11 306, KBL, Kabul, 80.11 306, ANM, Nome, 80.17 20, BTK, Batken, 80.20 312, BTK, Batken, 80.20 312, K15K, Wolf Creek Mou, 80.26 23, O16K, Kokwok River B, 80.26 26, O16K, Kokwok River B, 80.26 26, GAR, Garm, 80.28 311, F14K, Arctic Creek, 80.41 19, N16K, Nishilik Lake, 80.42 25, M16K, Timber Creek, 80.62 25, M16K, Timber Creek, 80.62 25, L16K, Owthan River, 80.76 24, O17K, Koliaganer Bris, 80.79 26, P17K, Kvichak River, 80.81 27, G15K, Niukluk, 80.89 20, CHGR, Chuyangaron, 81.06 311, CHGR, Chuyangaron, 81.06 311, F15K, North Star Dit, 81.11 19, N17K, Nushagak Hills, 81.12 26, N17K, Nushagak Hills, 81.12 26, J16K, Anvik River, 81.16 22, J16K, Anvik River, 81.16 22, SIMJ, Simiganj, 81.17 310, KK31, Karatay Array, 81.29 315, KK31, Karatay Array, 81.29 315, KKAR, Karatay Array, 81.29 315, KKAR, Karatay Array, 81.29 315, KKAR, Karatay Array, 81.29 315, OHAK, Old Harbor, 81.40 30, M17K, Holitna River, 81.45 25, M17K, Holitna River, 81.45 25, P18K, Big Mountain, 81.45 27, I17K, Unalakleet, 81.45 22, O18K, Koktuh Hills, 81.67 27, G16K, Koyuk River, 81.70 20, K17K, Iditarod, 81.75 24, K17K, Iditarod, 81.75 24, N18K, Kilae Creek, 81.76 26, N18K, Kilae Creek, 81.76 26, Q19K, Cape Douglas, 81.97 28, KDAK, Kodiak Island, 81.99 29, KDAK, Kodiak Island, 81.99 29, KDAK, Kodiak Island, 81.99 29, L18K, Granite Mounta, 82.16 24, M18K, Stony River, 82.17 25, O19K, Port Alswoth, 82.22 27, H17K, Granite Mounta, 82.31 21, H17K, Granite Mounta, 82.31 21, G17K, Kiwalik Mouta, 82.35 21, Q20K, Shuyak Island, 82.42 29

Table with columns: N19K, baz=245, Bonanza Creek, 82.43 26, N19K, Bonanza Creek, 82.43 26, C16K, Lisburne Hills, 82.46 17, P19K, Oil Pt, 82.48 27, P19K, Oil Pt, 82.48 27, F17K, Baldwin Pennin, 82.67 20, J18K, Innoko River, 82.75 23, J18K, Innoko River, 82.75 23, TTA, Talatina, 82.78 24, D17K, Nostak River, 82.80 18, E17K, Hotham Inlet, 82.84 19, L19K, White Mountain, 82.90 25, L19K, White Mountain, 82.90 25, O20K, Slope Mountain, 82.94 27, M19K, Big River Lodg, 82.97 25, M19K, Big River Lodg, 82.97 25, H18K, Honhosa River, 82.98 21, RDOG, Dog Mine, 83.06 18, RDOG, Red Dog Mine, 83.06 18, HOM, Homer, 83.21 28, HOM, Homer, 83.21 28, C17K, DeLong Mountai, 83.22 18, G18K, Tagagawik, 83.26 21, G18K, Tagagawik, 83.26 21, F18K, Selawik, 83.29 20, GCSA, Galena City Sc, 83.32 22, CNPM, China Post, 83.35 28, CNPM, China Post, 83.35 28, E18K, Tukpahleirik C, 83.42 19, E18K, Tukpahleirik C, 83.42 19, J19K, Poorman, 83.44 23, J19K, Poorman, 83.44 23, L20K, Farewell, AK, 83.44 25, M20K, Styx River, 83.49 25, M20K, Styx River, 83.49 25, N20K, Mount Spurr, 83.60 26, BRSE, Bradley Lake S, 83.66 28, K20K, Telida, 83.76 24, K20K, Telida, 83.76 24, H19K, Roundabout Mou, 83.86 21, H19K, Roundabout Mou, 83.86 21, C18K, Utukok River, 83.92 18, QSPA, South Pole Qui, 83.93 18, QSPA, South Pole Qui, 83.93 18, G19K, Purcell Mounta, 83.94 21, G19K, Purcell Mounta, 83.94 21, NRIK, Noril'sk, 84.03 343, NRIK, Noril'sk, 84.03 343, F19K, Shaltruck Mo, 84.05 20, J20K, Nowinta River, 84.10 23, J20K, Nowinta River, 84.10 23, B18K, Kokolik River, 84.14 17, BVAR, Borovoye Array, 84.31 325, BVAR, Borovoye Array, 84.31 325, PPLA, Purkeypyle, 84.32 25, SUA, Susitna One, 84.35 26, BRVK, Borovoye, 84.39 325, BRVK, Borovoye, 84.39 325, SEW, Sewar, 84.40 28, O22K, Cooper Landing, 84.42 27, H20K, Antolenegea Mo, 84.42 22, E19K, Redstone River, 84.55 20, CAST, Castle Rocks, 84.59 24, CAST, Castle Rocks, 84.59 24, RC01, Rabbit Creek A, 84.65 27, RC01, Rabbit Creek A, 84.65 27, CHUM, Lake Minchumir, 84.69 24, M22K, Willow, 84.74 26, D19K, Kuna River, 84.79 19, A19K, Wainwright, 84.83 17, F20K, Avaraart Lake, 84.86 20, IMAR, Indian Mountai, 85.06 22, PMR, Palmer, 85.11 26, PMR, Palmer, 85.11 26, KTH, Kantishna Hill, 85.12 24, KTH, Kantishna Hill, 85.12 24, H21K, Melozitna Riv, 85.27 22, H21K, Melozitna Riv, 85.27 22, G21K, Glory Hole Cre, 85.27 26, E20K, Nigu River, 85.29 19, BPAW, Bear Paw Mtn, 85.31 24, BPAW, Bear Paw Mtn, 85.31 24

Table with columns: comp=Z, 14nm, 1.2s, BPAW, Bear Paw Mtn, 85.31 24, TRF, Thorofare Moun, 85.34 25, TRF, Thorofare Moun, 85.34 25, KNK, Knik Glacier, 85.35 27, KNK, Knik Glacier, 85.35 27, I21K, Tanana, 85.37 23, I21K, Tanana, 85.37 23, D20K, Etivluk River, 85.38 19, G21K, Allakaket, 85.39 21, SML, Sawmill, 85.55 26, SML, Sawmill, 85.55 26, HRA, Herat, 85.56 305, Q23K, Middleton Isla, 85.63 29, F21K, Altna River, 85.72 21, GLI, Glacier Island, 85.77 27, MLY, Manley, 85.79 23, MLY, Manley, 85.79 23, M23K, Glacier View, 85.81 27, WAT1, Susitna Watana, 85.83 25, B20K, Meade River, 85.86 17, HIN, Hinchinbrook I, 85.88 28, H22K, Ishatitna Cre, 85.90 22, RND, Reindeer, 85.92 25, RND, Reindeer, 85.92 25, SCM, Sheep Creek Mo, 86.00 27, SCM, Sheep Creek Mo, 86.00 27, MCK, McKinley, 86.00 24, WAT6, Susitna Watana, 86.09 26, E21K, Klilik River, 86.10 19, C21K, Knifeblade Rid, 86.17 19, NEA2, Nenana, 86.28 24, NEA2, Nenana, 86.28 24, EYAK, Cordova Ski Ar, 86.28 28, G22K, Bettles, 86.28 21, F22K, John River, 86.30 20, I23K, Minto, Yukon-K, 86.38 23, I23K, Minto, Yukon-K, 86.38 23, DHY, Denali Highway, 86.42 25, DHY, Denali Highway, 86.42 25, B21K, Ikpak River, 86.44 18, KLU, Klutina, 86.52 27, KLU, Klutina, 86.52 27, KLU, Klutina, 86.52 27, H23K, Yukon River, 86.57 22, M24K, Tolsona, Glenn, 86.61 26, M24K, Tolsona, Glenn, 86.61 26, WRH, Wood River Hill, 86.62 24, A21K, Barrow, 86.67 16, KAIM, Kayak Island, 86.72 29, D22K, Ayikyak River, 86.72 19, G23K, Bananza Creek, 86.73 22, RAGM, Ragged Mountai, 86.74 28, CCB, Clear Creek Bu, 86.80 24, COLA, College, 86.87 24, COLA, College, 86.87 24, COLA, College, 86.87 24, HMT, Hamilton, 86.92 28, BMRM, Bremner River, 86.95 28, A22K, Sinclair Lake, 86.99 17, HDA, Harding Lake, 87.06 24, HDA, Harding Lake, 87.06 24, POKR, Poker Plat Res, 87.12 23, B22K, Teshekpuk Lake, 87.14 18, HARP, HAARP, 87.15 26, N25K, Chitina, Valde, 87.15 27, N25K, Chitina, Valde, 87.15 27, BERG, Berg Lake, 87.20 28, PAX, Paxson, 87.20 26, H24K, Noodor Dome, 87.21 23, H24K, Noodor Dome, 87.21 23, IL31, IL31, 87.22 24, ILAR, Eielson Array, 87.22 24, ILAR, Eielson Array, 87.22 24, ILAR, Eielson Array, 87.22 24, ILAR, Eielson Array, 87.22 24, E23K, Chandalar, 87.41 20, D23K, Nanushuk River, 87.42 19

16d 6h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Gilahina Butte, Verde Repetitor, Cirque, Waxed Ridge, Toolik Lake, etc.

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Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Pleasant Camp, Aishiklik Lake, Klondike Camp, Barlow Dome, etc.

1020

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Wyandotte Cave, Ann Arbor, Miami Univ. Ec, Lakeview Retre, etc.

IDC 16 06:10:22.5z 2.9, 54:26N:86:94E, h0km, mbtmp3.0/2, ML2.5/2, Error ellipse: s-maj=24.3km s-min=15.9km az=66.0

NNC 16 06:10:23.8z 3.9, 53:99N:86:87E, h0km, mb3.0, mpv2.9, Error ellipse: s-maj=30.6km s-min=21.0km az=32.0

Suspected Mining explosion, ISC 16 06:10:22.7z 3.9, 54:22N:02:86.9E, 0.1, h0km, n8, 01927/12, 4C-2D, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like ZALESOVO INFRA, ZAAO, ZAAO, ZALV, ZALV, KURK, KURK, KURB, KURB, KURBB, KURBB, KURBB, MK31, MKAR, MKAR, MKAR, MKAR.

IDC 16 06:18:53.1z 8.0, 54:30S:133:22W, h0km, mb4.0/3, mbtmp4.0/3, Error ellipse: s-maj=228.9km s-min=49.5km az=55.0

NEIC 16 06:18:53.4z 1.1, 54:3S:02:133.0W:0.2, h10km, 1km, mb4.6/10, Error ellipse: s-maj=34.7km s-min=15.9km az=30.0

ISC 16 06:18:53.6z 1.2, 54:3S:02:132.9W:0.1, h10km, n20, 0169/14, mb4.4/8, Pacific-Antarctic Ridge

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Palmer Station, Punta Arenas, Cerro Castillo, South Pole Qui, South Pole Qui, South Pole Qui, BELA, H03S2, H03S1, H03S3, H03N3, H03N2, H03N1, CO02, CO02, SNAO, SNAO, TRQA, ASAR.

Table with columns: WRA, Warramunga Arr, 75.62 256 P, P, 06 30 38.0 -0.7, etc.

Table with columns: WB0, Warramunga Arr, 75.73 256 P, P, 06 30 38.6 -0.8, etc.

16 07:06:25.79.2.5, 12.245.166.82E, h0km, mb3.6/2, mbtm3.7/3, ML3.0/1, Error ellipse: s-maj=59.0km, s-min=47.2km az=120.0, Santa Cruz Islands

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

Table with columns: WRA, Warramunga Arr, 32.09 252 P, P, 06 31 59.7 +0.8, etc.

Table with columns: ASAR, Alice Springs, 33.23 245 P, P, 06 32 08.1 -0.7, etc.

Table with columns: ARCES, ARCES Array B, 117.74 346 PKP, PKPdf, 06 44 17.2 -0.2, etc.

16 06:29:42.4.2.9, 53.81N.88.11E, h0km, mbtm3.0/2, ML2.7/2, Error ellipse: s-maj=23.7km s-min=17.1km az=60.0, Southwestern Siberia

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

Table with columns: I46RU, ZALESOVO INFRA, 1.96 275 I, I, 06 30 17.1 +0.3, etc.

Table with columns: ZALV, Zalevovo Beam, 1.96 275 Pn, Pn, 06 30 17.1 +0.3, etc.

Table with columns: KURBB, Kurchatov Arra, 6.70 245 Pn, Pn, 06 31 22.5 +0.7, etc.

Table with columns: MKAR, Makanchi Array, 7.95 210 Pn, Pn, 06 31 39.8 +0.7, etc.

Table with columns: SODR, Sosua Marina B, 0.44 268 I, I, 07 06 37.7 -1.4, etc.

Table with columns: LONA1, Toro Cenizo, N, 0.45 149 I, P, 07 06 37.8 +0.1, etc.

Table with columns: NADR, Nagua, 0.48 150 I, P, 07 06 37.4 -0.8, etc.

Table with columns: SC01, Santiago de lo, 0.67 240 I, P, 07 06 41.2 -0.3, etc.

Table with columns: SC01, Santiago de lo, 0.67 240 I, P, 07 06 52.1 0.0, etc.

Table with columns: DR08, Loma La Naviza, 0.81 174 I, P, 07 06 42.1 -1.7, etc.

Table with columns: MA01, Mac S, 0.94 257 I, P, 07 06 46.0 0.0, etc.

Table with columns: MADR, Mao Valverde, 0.95 258 I, P, 07 07 05.7, etc.

Table with columns: SMDR, Samana, DR, 0.99 118 I, P, 07 06 46.9 +0.2, etc.

Table with columns: ABDR, Alto Bandera, 1.07 207 I, P, 07 06 46.8 -1.4, etc.

Table with columns: HATOM, Hato Mayor del, 1.19 145 I, P, 07 06 49.6 -0.7, etc.

Table with columns: MIDR, Miches, 1.27 128 I, P, 07 06 51.3 -0.3, etc.

Table with columns: SDD, Santo Domingo, 1.31 172 I, P, 07 07 08.4 +0.5, etc.

Table with columns: REDR, Restauracion, 1.35 244 I, P, 07 06 55.6 +2.6, etc.

Table with columns: SDDR, Presa de Saban, 1.36 235 I, P, 07 06 51.8 0.0, etc.

Table with columns: BANI, BANI, 1.39 190 I, P, 07 06 52.9 +0.6, etc.

Table with columns: MCDR, Montecristi, 1.46 275 I, P, 07 06 54.8 -0.1, etc.

Table with columns: LODA1, TESIL, Dajabo, 1.52 262 I, P, 07 06 56.0 +0.2, etc.

Table with columns: NEDR, Neiba UASD, 1.78 224 I, P, 07 07 00.8 +0.5, etc.

Table with columns: BRH1, Hotel Casa Bon, 1.81 211 I, P, 07 07 24.7 +1.7, etc.

Table with columns: PODR, Polo, 1.94 215 I, P, 07 07 03.4 +0.2, etc.

Table with columns: PODR, Grand Turk, 1.98 331 I, P, 07 07 03.0 +0.5, etc.

Table with columns: SADR, Isla Saona, 2.01 141 I, P, 07 07 05.2 +0.9, etc.

Table with columns: JIDR, Jimani, 2.08 233 I, P, 07 07 04.6 -0.8, etc.

Table with columns: CRPR, Cabo Rojo, PR, 3.34 121 I, P, 07 07 25.6 -1.3, etc.

Table with columns: AOPR, Arecibo Observ, 3.48 113 I, P, 07 07 29.8 +0.5, etc.

Table with columns: AOPR, Arecibo Observ, 3.48 113 I, P, 07 08 04.9 +3.5, etc.

Table with columns: MOAC, Moa, 4.64 282 I, P, 07 07 35.7 -1.3, etc.

Table with columns: GTBY, Guantanamo Bay, 4.71 273 I, P, 07 07 38.8 +0.9, etc.

Table with columns: SABCS, La Quijada, 4.93 278 I, P, 07 07 39.7 -1.3, etc.

Table with columns: PNC, Rio Carpintero, 5.26 273 I, P, 07 07 44.4 -1.1, etc.

Table with columns: MARVS, Santiago de Cu, 5.45 273 I, P, 07 07 48.4 +0.3, etc.

Table with columns: ANBD, Bethesda, Anti, 8.37 107 I, P, 07 09 58.8 -3.3, etc.

JMA 16:07:22.45.4.0.1, 43.3N.0.5:144.8E.0.6, h93km, 1km, MV2.6/33, KUSHIRO REGION

SKHL 16:07:22.46.6.0.3, 43.20N.144.90E, h88km, 6km, mb4.0/2, msha.4/2

ISC 16:07:22.45.3.2.0, 43.27N.0.0:6.144.84E.0.04, h93km, 12km, n14, 0.947/27, Hokkaido region

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

Table with columns: AKK, Akkeshi, 0.25 180 I, P, 07 22 58.9 +0.1, etc.

Table with columns: JJK, Kushirohamanak, 0.29 128 I, P, 07 23 09.2 +0.1, etc.

Table with columns: JNK, Nakash, 0.33 344 I, P, 07 22 58.9 -0.4, etc.

Table with columns: NMR, Nemuro-Hokkai, 0.65 80 I, P, 07 23 13.5 -0.3, etc.

Table with columns: JRA, Rausu, 0.70 17 I, P, 07 23 02.1 +0.1, etc.

Table with columns: JAR, Ashorobuto, 0.79 273 I, P, 07 23 03.1 +0.2, etc.

Table with columns: JOB, Onbets, 0.82 244 I, P, 07 23 03.6 +0.4, etc.

Table with columns: JTKR, Abashiri-Toko, 0.98 316 I, P, 07 23 05.1 +0.2, etc.

Table with columns: YUK, Yuzh-Kuril'sk, 1.07 43 I, P, 07 23 06.2 +0.3, etc.

Table with columns: YUK, 70nm, 0.3s, 0.5 I, P, 07 23 07.8, etc.

Table with columns: YUK, 200nm, 0.4s, 0.5 I, P, 07 23 23.3, etc.

Table with columns: YUK, 220nm, 0.4s, 0.5 I, P, 07 23 23.3, etc.

Table with columns: CAST, Castle Rocks, 16.18 32 I, P, 07 27 56.2 -2.2, etc.

Table with columns: GHO, Glory Hole Cre, 16.35 39 I, P, 07 27 59.9 -0.6, etc.

Table with columns: SML, Sawmill, 16.61 40 I, P, 07 28 02.6 -1.2, etc.

Table with columns: HIN, Hinchinbrook, 16.74 46 I, P, 07 28 03.7 -1.8, etc.

Table with columns: KLU, Klutina, 17.46 43 I, P, 07 28 12.2 -2.4, etc.

Table with columns: M24K, Tolsona, Glenn Denali Highway, 17.66 37 I, P, 07 28 15.2 -1.8, etc.

Table with columns: HMT, Hamilton, 17.75 47 I, P, 07 28 16.4 -1.7, etc.

Table with columns: N25K, Chitina, Valde Wood River Hill, 18.09 43 I, P, 07 28 20.5 -1.7, etc.

Table with columns: I23K, Minto, Yukon-K, 18.23 30 I, P, 07 28 23.9 0.0, etc.

Table with columns: M26K, Nabesna, AN, 19.11 42 I, P, 07 28 33.8 +0.1, etc.

Table with columns: J25K, Salcha River, 19.25 34 I, P, 07 28 35.4 +0.1, etc.

Table with columns: SCRK, Sand Creek, 19.43 37 I, P, 07 28 36.9 -0.4, etc.

Table with columns: B20K, Meade River, 20.32 14 I, P, 07 28 46.9 +0.2, etc.

Table with columns: I26K, Coal Creek Min, 20.42 34 I, P, 07 28 48.4 +0.4, etc.

Table with columns: FYU, Fort Yukon, 20.44 30 I, P, 07 28 48.4 +0.2, etc.

Table with columns: M29M, Somme Creek, 21.09 44 I, P, 07 28 53.8 -1.6, etc.

Table with columns: BMAR, Burnt Mountain, 21.18 28 I, P, 07 28 55.5 -0.8, etc.

Table with columns: I28M, Miner Creek, 21.66 36 I, P, 07 29 05.4, etc.

Table with columns: H29M, Whitestone, 22.59 35 I, P, 07 29 12.3 +1.0, etc.

Table with columns: F28M, Old Crow, 22.77 31 I, P, 07 29 14.0 +0.8, etc.

Table with columns: G29M, Pine Creek, 23.04 33 I, P, 07 29 16.8 +0.9, etc.

Table with columns: G31M, Satah River, 24.38 35 I, P, 07 29 28.8 +0.9, etc.

Table with columns: INK, Inuvik, 25.20 32 I, P, 07 29 37.0 +0.9, etc.

NOU 16:07:26.47.2.38:35S:176.18E, h2929km, MLV3.8/8, North Island, New Zealand

WEL 16:07:26.53.1.1.0.38:5.6x17.6E:1, h168km, 9km, M2.6/15, ML2.5/8, MLV2.6/15, Error ellipse: s-maj=0.0km

ISC 16:07:26.47.5.1.8.38:34S:0.06:175.89E:0.06, h214km, 11km, n95, 1.5:53/104, North Island

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

Table with columns: MRHZ, Matea Rd, 0.64 140 I, P, 07 27 17.8 +1.0, etc.

Table with columns: TGRZ, Tauranga, 0.68 26 I, P, 07 27 17.5 +0.6, etc.

Table with columns: OPRZ, Ohinepanepi, 0.72 47 I, P, 07 27 17.9 +0.8, etc.

Table with columns: ETVZ, East Tongariro, 0.81 190 I, P, 07 27 19.3 +1.7, etc.

Table with columns: WTVZ, West Tongariro, 0.81 197 I, P, 07 27 19.3 +1.7, etc.

16d 8h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PUKETITI, DANNEVIRKE, PORANGAHAU, etc.

NEIC 16 07:42:48.6:1.3, 16:8S:0.2:174.07E:0.09, h10km, 2km, mb4.5/14, Error ellipse: s-maj=32.8km s-min=12.9km

az=347.0

NOU 16 07:43:45.9, 19:11S:170.19E, h233km, mb4.4/25

Vanuatu Islands

IDC 16 07:43:54.2:2.2, 19:57S:169.43E, h270km, 2.5km, mb3.7/7, mbmp4.3/8, Error ellipse: s-maj=68.7km s-min=20.0km

az=154.0

ISC 16 07:43:51.6:0.8, 19:55S:0.1:169.63E:0.10, h250km, n55, s162/53, mb4.1/14, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MARNC, LIFUNC, YATNC, etc.

NEIC 16 07:54:58.9:1.3, 30:47N:0.02:104.50W:0.02, h5km, 1km, mb 1g, 2.8/18, ML2.8/14, Error ellipse: s-maj=3.8km s-min=3.1km az=153.0, Texas-Mexico border region

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VHRN, ALPINE, PECOS, etc.

IDC 16 07:57:51.7:3.6, 54:29N:87.39E, h0km, mbmp2.7/2, ML2.5/2, Error ellipse: s-maj=32.2km s-min=20.4km

az=43.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like I46RU, ZALV, ZALW, etc.

SOME 16 08:02:38.7:4.0, 43:39N:73.08E, h5km

NMC 16 08:02:38.4:5.3, 39:94N:72.49E, h0km, mb3.0, mpv2.7, Error ellipse: s-maj=50.7km s-min=27.9km az=163.0

ISU 16 08:02:41.3, 40:21N:73.05E, h8km

KRNE 16 08:02:38.6:0.1, 40:32N:73.23E, h15km, mb2.5, 15C-23D, Kyrgyzstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SFK, OHH, TSTA, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KBK, CHMG, BOOM, etc.

IDC 16 08:04:39.3:2.4, 54:07N:86.50E, h0km, mbmp3.3/2, ML3.1/2, Error ellipse: s-maj=18.7km s-min=11.6km

az=61.0, Southeastern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like I46RU, ZALV, ZALW, etc.

IDC 16 08:09:19.0:3.4, 53:64N:87.91E, h0km, mbmp2.7/2, ML2.5/2, Error ellipse: s-maj=33.0km s-min=19.3km

az=54.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like I46RU, ZALV, ZALW, etc.

TRN 16 08:21:12.6, 10:39N:62.80W, h1km, MD3.3, Gulf of Paria

FUNV 16 08:21:13.4, 10:32N:62.78W, h3km, MW3.0

ISC 16 08:21:11.9:1.2, 10:30N:0.05:62.80W:0.03, h16km, 10km, n14, r148/26, Near coast of Venezuela

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CRUV, CUMV, TRN, etc.

THE 16 08:32:17.6, 37:82N:21.96E, h11km, 1km, ML3.0/8, Error ellipse: s-maj=1.2km s-min=0.8km az=264.0

ATH 16 08:32:17.6, 37:83N:21.94E, h16km, 1km, ML3.0/12, Error ellipse: s-maj=1.8km s-min=1.1km az=5.0

TIR 16 08:32:20.4, 40:48N:17.93E, h22km, 12km, MI2.7

ISC 16 08:32:17.4:0.9, 37:83N:0.03:21.94E:0.02, h15km, 7km, n42, r062/66, Southern Greece

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DRO, GARM, KBK, etc.





16d 9h

Table with columns: VLS, comp=N, 870µm, 0.2s, AML, AML, 08 50 33.7, etc. Includes stations like KIPOURIA, DAMULIANATA-K, DROSIA, etc.

JMA 16 08:55:00.9:0.0,33.5N:0.1:1.35:8E:0.1,h30km,MV3.4/39, SOUTHERN WAKAYAMA PREF. JMA Fell II J1 at SOUTHERN WAKAYAMA PREF.

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

ROM 16 09:02:21.3:0.0,43.089N:0.003:13.027E:0.004, h10km,ML2.1/70,6C-1D,Error ellipse: s-maj=0.3km

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like T1220, FDMO, SEF1, etc.

2018 APR

Table with columns: SNTG, comp=N, 864µm, 0.5s, AML, AML, 08 50 21.3 -0.3, etc. Includes stations like SNTG, SSM1, GUALDO DI MACE, etc.

ROM 16 09:03:15.5:0.1,43.088N:0.003:13.029E:0.004, h8km,ML1.5/20,8C-2D,Error ellipse: s-maj=0.3km

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like T1220, FDMO, CESI, etc.

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Table with columns: ARVD, Arcevia, 0.41 351, etc. Includes stations like ARVD, PIEI, etc.

ROM 16 09:04:05.3:0.1,43.051N:0.003:13.050E:0.004, h5km,ML1.2/4,2D,Error ellipse: s-maj=0.3km

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

IDC 16 09:32:44.2:3.0,33.715N:1.78:79W,h0km,mb3.7/2, mbtmp3.8/3,ML4.0/1,MS3.3/1,Error ellipse: s-maj=69.9km

WEL 16 09:33:52.0:38.5:25x17.8E:1.6,h34km,19km,M2.2/10, ML2.1/7,MLV2.2/10,Error ellipse: s-maj=0.0km

ISC 16 09:32:45.7:2.2:178.3W:0.3,h10km,n22, e1908:22,South of Kermadec Islands

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

CATAC 16 09:43:22.7:0.6,12.92N:88.88W,h29km,6km,ML3.5,Off coast of Central America

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



16d 11h

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like HFS Hagfors, BRTR Keskin Array B, NOA NORSAR Array B, etc.

SJA 16 10:18:44.0, 0.6, 33.02S:71.70W, h35km, 1km, ML3.6, MW3.8
GUC 16 10:18:45.4, 0.8, 33.03S:71.70W, h37km, 3km, ML3.7
ISC 16 10:18:45.4, 1.0, 33.09S:02:71.71W, 0.04, h26km, 6km, n46, 0:1577/4, 6C-5D, Near coast of central Chile

Main table with columns: Code, Station Name, Azimuth, Elevation, Power, Res, Time, Res, ISC, h, m, s, ISC. Lists numerous stations and their characteristics.

2018 APR

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like AVIZ Vizcacheras, G004 Tololo Observa, DOCA Reserva Nativa, etc.

IDC 16 11:01:13.8, 1.6, 41.12S:172.78E, h116km, 16km, mb3.8/3, mbmp4.2/5, Error ellipse: s-maj=21.9km s-min=14.7km az=132.0
NOU 16 11:01:13.9, 41.31S:172.76E, h120km, MLV4.5/12, South Island, New Zealand
NEIC 16 11:01:14.9, 1.0, 41.26S:0:06, 172.75E:0:07, h115km, 7km, mb4.4/9, Error ellipse: s-maj=10.5km s-min=3.7km az=138.0
WEL 16 11:01:15.0, 0.6, 41.1S:4.17E, h102km, 5km, M4.4/26, MLV4.4/26, Error ellipse: s-maj=0.0km s-min=0.0km az=123.3, confirmed

Main table with columns: Code, Station Name, Azimuth, Elevation, Power, Res, Time, Res, ISC, h, m, s, ISC. Lists numerous stations and their characteristics.

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Main table with columns: Station Name, Frequency, Power, Azimuth, Elevation, SNR, and other parameters. Lists numerous stations and their characteristics.

IDC 16 11:08:36.1, 3.0, 17.13S:178.43W, h442km, 30km, mb3.5/13, mbmp4.3/13, Error ellipse: s-maj=21.7km s-min=14.3km az=84.0
NEIC 16 11:08:41.1, 1.4, 17.2S:0:2, 178.4W:0.1, h500km, 14km, mb4.4/22, Error ellipse: s-maj=23.8km s-min=16.6km az=197.0

Table with columns: Code, Station Name, Azimuth, Elevation, Power, Res, Time, Res, ISC, h, m, s, ISC. Lists numerous stations and their characteristics.

1027

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MUGZ, RTZ, SNGZ, BKZ, QRTZ, etc.

2018 APR

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

16d 12h

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

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like Las Campanas, El Pedregal, Juntas del Tor, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like Aquidauana, Concordia, Canela, Pitanga, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like ELK, MDND, BOSA, ULM, TOAO, TORO, etc.

1029

Table with columns for station name (e.g., MT09, MT01), time (e.g., 12 58 35.3), phase (e.g., Pn), and other identifiers.

MOS 16 13:00:24.5-1.2, 47.77N:147.43E, h413km, mb3.8/10, Error ellipse: s-maj=13.0km s-min=8.0km az=88.9

SKHL 16 13:00:24.8-0.0, 47.50N:147.60E, h418km, 13km, mb4.9/4, mbv5.3/3, msh5.3/3, msh5.1/3

ISC 16 13:00:26.9-1.4, 47.82N:147.40E, h418km, 16km, mb3.1/15, mbtmp3.9/21, Error ellipse: s-maj=15.6km s-min=11.4km az=141.0

Main table of station observations for 1029, including station name, time, phase ID, and amplitude/residual values.

2018 APR

Main table of station observations for 2018 APR, listing stations like NKHL, PETK, KLR, etc., with their respective times and phases.

Table of station observations for 16d 13h, including stations like RAF, RAUF, FIAO, and RUF.

HEL 16 13:02:40.8-0.3, 61.28N:29.77E, h0km, ML1.4, Explosion, Finland-Karelia border region

Table of station observations for HEL explosion event.

SJA 16 13:14:15.5-0.5, 22.75S:69.48W, h75km, 2km, ML4.0, MW3.7, Northern Chile

Main table of station observations for SJA event, listing stations like PB06, PB15, LVC, etc.

GUC 16 13:15:01.1-0.5, 20.64S:70.13W, h30km, 1km, ML2.9, 3C-4D, Near coast of northern Chile

Main table of station observations for GUC event, listing stations like TA01, TA02, PATCX, etc.

LVSN 16 13:02:02.3-5.2, 59.63N:24.67E, h0km, 62km, ML1.1, EST 16 13:02:09.4, 60.03N:23.91E, h0km, ML1.2(HEL), Explosion

HEL 16 13:02:08.6, 59.98N:23.96E, h0km, ML1.1, Explosion, Baltic States-Belarus-Northwestern Russia

Table of station observations for LVSN and HEL events, including stations like MEF, MEF, MEF, etc.

HEL 16 13:18:23.8-0.4, 67.76N:20.08E, h0km, ML1.3, Suspected explosion, Sweden

Table of station observations for HEL Sweden event, listing stations like KIF, HEF, HEF, etc.

16d 13h

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data.

UPP 16:13:19.12.8.0.1, 17:25N:20.22E, h0km, ML1.9, Confirmed Induced event, Sweden

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data.

IDC 16:13:25:56.0.1.1, 15:21S:173.53W, h0km, mb3.8/6, mbmp3.8/6, Error ellipse: s-maj=47.7km s-min=-26.6km az=140.0

NEIC 16:13:25:59.7.0.4, 15:16S:0.06:173.3W:0.2, h35km, 2km, mb4.5/8, Error ellipse: s-maj=25.4km s-min=-8.9km az=105.0

ISC 16:13:25:59.6.0.8, 15:25S:0.1:173.4W:0.1, h30km, n25, c1819, mb4.1/10, Tonga Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data.

NEIC 16:13:32:33.7.0.4, 16:15N:0.07:95.6E:0.07, h10km, 2km, ML3.4/8, Error ellipse: s-maj=16.5km s-min=5.2km az=317.0, Near south coast of Myanmar

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data.

IDC 16:13:43:34.5.5.6, 17:92S:66.64W, h36km, 54km, mb3.2/2, mbmp3.6/4, ML3.8/2, Error ellipse: s-maj=51.4km s-min=25.6km az=73.0

GUC 16:13:43:35.4.0.8, 17:53S:69.62W, h156km, 5km, ML3.4 ISC 16:13:43:32.9.1.5, 17:49S:0.07:69.7W:0.1, h166km, 9km, n13, c1612, 2C-2D, Peru-Bolivia border region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data.

SNET 16:13:46:31.0.1.7, 12:08N:88.81W, h15km, 13km, ML3.2 CATAc 16:13:46:32.8.1.0, 12:12N:88.80W, h24km, 11km, ML3.2 IDC 16:13:46:46.5.7.8, 14:42N:89.77W, h0km, mb3.8/3,

2018 APR

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data.

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Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data.

1030

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data.

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Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data.



1031

2018 APR

16d 13h

Table with multiple columns: Station Code, Station Name, Frequency, Class, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and various signal quality metrics like SNR, BER, etc. Includes stations like TWM1, HWA, OWD, SCZT, etc.

16d 13h

Table of flight data for 16d 13h, listing airlines (e.g., JIKM, JOGS), destinations (e.g., Gusukube, Dashiqiu), times, and status indicators.

2018 APR

Table of flight data for 2018 APR, listing airlines (e.g., PZH, INU), destinations (e.g., comp=Z,1um,13.3s, Inuyama), times, and status indicators.

1032

Table of flight data for 1032, listing airlines (e.g., MK31, MKAR), destinations (e.g., Makanchi Array), times, and status indicators.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details for various radio stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other technical details for various radio stations.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details for various radio stations.

16d 14h

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time Res, h, m, s, ISC. Includes stations like TURN Turunc, SIMA Simav-Kutahya, ARG Arkhangelos, etc.

2018 APR

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time Res, h, m, s, ISC. Includes stations like SONM Songino Array, PZH PanZhiHu, PZH PanZhiHu, etc.

1034

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time Res, h, m, s, ISC. Includes stations like WESE West Dahl East, ISLZ Isanotski Laza, ISLZ Isanotski Laza, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like KLU Klutina, HMT Hamilton, M24K Tolsona, Glenn, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like MA2 Magadan, MA2 Magadan, comp=Z,7.0nm,0.8s, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like NR1K, NR1K, NR1K, etc.

16d 14h

Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like XAN, XAN, XAN, etc.

2018 APR

Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like PZH, MNK, MNK, etc.

1036

Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like GEYT, GNI, ESDC, etc.

AEIC 16 14:54:1.0, 53:42N, 0:03, 163:54W, 0:05, h25km, 7km, Error ellipse: s-maj=5.2km s-min=3.6km az=149.0

NEIC 16 14:54:4.1, 0:0, 6.53, 340N, 0:01, 163:53W, 0:06, h21km, 12km, ML3.5/3, ML3.3/AEIC, Error ellipse: s-maj=6.6km s-min=1.5km az=85.0, Unimak Island region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like WESE, ISLZ, SSSL, etc.

OSUNB 16 14:55:17.7, 1.0, 7:79S, 74:90W, h137km, 6km, mb3.9/11, Error ellipse: s-maj=5.5km s-min=6.9km az=0.0, Peru-Brazil border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CZSB, ETMB, LPAZ, etc.

IDC 16 14:58:57.9, 3.0, 6:27S, 129:23E, h0km, mb3.7/1, mbmt3.5/3, ML3.5/2, Error ellipse: s-maj=289.7km s-min=30.7km az=68.0, Banda Sea

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

NEIC 16 14:59:28.5, 0:5, 20:5S, 0:2, 178:0W, 0:3, h518km, 29km, mb4.3/15, Error ellipse: s-maj=49.1km s-min=21.7km az=68.0



Table with columns: Station Name, Frequency, Power, Mode, etc. Includes stations like MZR, SOHO, ARQ, BBSY, etc.

Table with columns: Station Name, Frequency, Power, Mode, etc. Includes stations like OBN, MAKZ, MK31, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, etc. Includes stations like KRSC, SKR, APC, etc.







1041

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes stations like ASAHIKAWA, AKKESHII, OKHA, etc.

NEIC 16:36:47.9.1.1, 35.02N, 103.119.04W, 0.03, h24km, 1km, Error ellipse: s-maj=3.9km s-min=3.5km az=190.0

PAS 16:36:48.9.2.5, 35.044N, 103.119.04W, 0.01, h8km, 4km, Mwr3.8/4, ML3.9/108(NEIC), Error ellipse: s-maj=1.4km s-min=1.2km az=93.0

ANF 16:36:48.0.2.35, 04N, 119.04W, h12km, 1km, ML4.2/35, Error ellipse: s-maj=1.5km s-min=1.2km az=68.0

IDC 16:36:49.1.3.35, 10N, 118.90W, h0km, mb3.6/3, mbmp2.5/9, ML3.5/6, MS3.0/3, Error ellipse: s-maj=20.8km s-min=7.1km az=65.0

NCEDC 16:36:49.1.35.06N, 119.04W, h13km, n114, r137/155, mb3.7/3, Central California

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes stations like ARVC, MPI, TJR, etc.

2018 APR

Main table with columns: Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes stations like SBC, SMMC, FIGC, etc.

16h 16h

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes stations like TJX, MONP2, MONP1, etc.

16d 16h

Table with columns: Name, Comp, Az, P, Res, Time, Res, Code, Station Name, Az, P, Res, Time, Res. Includes stations like SACER, SCER, SCER, TOS, YOZG, etc.

NEIC 16:39:25.8t1.4, 37.41N, 01.121.78W, 0.03, h18km, 2km, Error ellipse: s-maj=3.4km s-min=1.8km az=75.0

Table with columns: Code, Station Name, Az, P, Res, Time, Res. Includes stations like C041, CALM, C016, etc.

Table with columns: Code, Station Name, Az, P, Res, Time, Res. Includes stations like C041, CALM, C016, etc.

Table with columns: Name, Comp, Az, P, Res, Time, Res, Code, Station Name, Az, P, Res, Time, Res. Includes stations like CRPB, C013, C049, etc.

Table with columns: Name, Comp, Az, P, Res, Time, Res, Code, Station Name, Az, P, Res, Time, Res. Includes stations like LRV, BOMB, CMB, etc.

Table with columns: Name, Comp, Az, P, Res, Time, Res, Code, Station Name, Az, P, Res, Time, Res. Includes stations like NBPM, NBSM, PCCM, etc.

Table with columns: Name, Comp, Az, P, Res, Time, Res, Code, Station Name, Az, P, Res, Time, Res. Includes stations like KPCM, MFBM, BONAR, etc.

NEIC 16:50:29.6t1.5, 23.23S, 0.1x179.6W, 0.2, h557km, 12km, mb4.5/32, Error ellipse: s-maj=20.8km s-min=20.4km az=79.0

NOU 16:50:29.6t1.5, 23.23S, 0.1x179.6W, 0.2, h557km, mb4.2/15, South of Fiji Islands

IDC 16:50:31.1t6.4, 23.73S, 179.73W, h588km, 65km, mb3.4/4, mbmp4.4/6, Error ellipse: s-maj=67.0km s-min=43.9km az=27.0

ISC 16:50:26.6t0.8, 23.35S, 0.1x179.5W, 0.1, h550km, n78, s16177, mb4.3/19, South of Fiji Islands

Table with columns: Code, Station Name, Az, P, Res, Time, Res. Includes stations like MSVF, MSVF, TAYE, etc.

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

HEL 16 16:54:41.0, 0.6, 65.01N-20.18E, h0km, ML1.5, Explosion UPP 16 16:54:42.0, 1.1, 64.36N-20.29E, h0km, ML1.7, Unknown IDC 16 16:54:43.3, 1.3, 64.87N-20.56E, h0km, mbtmp, 2.32, ML1.6/2, Error ellipse: s-maj=18.1km s-min=11.0km az=89.0

ISC 16 16:54:40.4, 0.7, 64.92N-0.03, 20.38E, 0.03, h0km, n26, a154/36, Sweden

Main table for the first section, listing station names, frequencies, and technical parameters. Includes stations like LILU, OUF, OBF4, etc.

IDC 16 17:30:49.1, 4.2, 9.72S; 112.20E, h0km, mb3, 1/3, mbtmp, 3.2/3, Error ellipse: s-maj=246.1km s-min=28.5km az=47.0

DJA 16 17:30:52.0, 0.7, 10.1S; 6.11E, h10km, M4.0/10, mb4.2/2, MLV3.9/10

ISC 16 17:30:52.3, 1.5, 10.3S; 0.111153E, 0.09, h35km, n11, a077/12, mb3.0/3, South of Jawa

Table for the second section, listing station names and technical details. Includes stations like PWRJ, UGM, YOGI, etc.

IDC 16 17:39:36.7, 2.1, 0.2101S; 179.12W, h0km, mb4, 1/3, mbtmp, 4.2/4, ML4.5/1, Error ellipse: s-maj=399.9km s-min=55.8km az=64.0

NEIC 16 17:40:32.0, 0.9, 23.1S; 0.2:179.59W, h0, h532km, 14km, mb4.5/26, Error ellipse: s-maj=24.9km s-min=6.9km az=168.0

ISC 16 17:40:32.1, 1.0, 23.0S; 0.1x179.6W, 0.1, h550km, n37, a174/37, mb4.0/12, South of Fiji Islands

Table for the third section, listing station names and technical details. Includes stations like MSVF, LIFNC, TOZ, etc.

Table for the fourth section, listing station names and technical details. Includes stations like CTAO, STKA, BBOO, etc.

IDC 16 17:50:51.9, 1.5, 7.41S; 104.98E, h0km, mb3, 6/6, mbtmp, 3.6/7, ML3.9/11, MS2.4/1, Error ellipse: s-maj=57.6km s-min=20.4km az=46.0

NEIC 16 17:50:54.0, 2.5, 7.32S; 0.08:105.02E, 0.07, h10km, 1km, mb4.4/8, Error ellipse: s-maj=13.4km s-min=12.3km az=157.0

DJA 16 17:50:57.1, 0.3, 7.54S; 101.5E, h43km, 10km, M4.2/12, mb4.4/7, MLV4.1/12

ISC 16 17:50:57.7, 0.7, 7.40S; 0.07:105.22E, 0.06, h35km, n44, a170/40, mb3.9/8, Jawa

Main table for the fourth section, listing station names, frequencies, and technical parameters. Includes stations like SKJI, SBJI, CNJI, etc.

TEH 16 17:51:28.5, 28.12N-52.75E, h10km, 102km, ML2.6

OMAN 16 17:51:36.9, 0.2, 27.64N; 53.29E, h12km, 8km, mb4.0/1, ml2.8/8, Error ellipse: s-maj=16.1km s-min=2.4km az=332.0

ISC 16 17:51:29.8, 1.0, 28.13N; 0.05:53.23E, 0.09, h14km, n25, a184/34, Southern Iran

Table for the fifth section, listing station names and technical details. Includes stations like QIR1, LMD1, IRAM, etc.

Table for the sixth section, listing station names and technical details. Includes stations like UOSS, HATD, ASHO, etc.

IDC 16 17:54:43.4, 1.7, 0.63N; 67.34E, h0km, mb3, 8/9, mbtmp, 3.8/9, MS3.6/17, Error ellipse: s-maj=48.1km s-min=24.7km az=59.0

NEIC 16 17:54:43.4, 1.7, 0.5N; 67.1E; 0.10, h10km, 1km, mb4.3/15, Error ellipse: s-maj=20.7km s-min=15.0km az=151.0

ISC 16 17:54:43.0, 0.7, 0.5N; 0.1:67.23E, 0.08, h10km, n52, a179/33, mb4.1/16, MS3.5/17, Carlsberg Ridge

Main table for the sixth section, listing station names, frequencies, and technical parameters. Includes stations like KAAM, MNCI, MNGI, etc.

16d 18h

Table of astronomical data for 16d 18h, listing stations like DZM, EIDS, ARMA, CTAO, COEN, STKA, etc., with columns for station name, coordinates, and other parameters.

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, ISC, h, m, s, ISC, Res. Lists stations like SHZ3, JNY, JYZ, etc.

Textual astronomical data including coordinates and parameters for stations like BGR, BUI, IDC, NEIC, NIED, MOS, JMA, GCMT, INCN, etc.

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, ISC, h, m, s, ISC, Res. Lists stations like JAOM, HJJC, HJCH, etc.

2018 APR

Main table of astronomical data for 2018 APR, listing stations like JIZS, JIM2, JIM2, CTAO, COEN, STKA, etc., with columns for station name, coordinates, and other parameters.

1044

Table of astronomical data for 1044, listing stations like SNY, CN2, DL2, DL2, BNX, BNX, BNX, etc., with columns for station name, coordinates, and other parameters.

1045

Table with columns for station code, name, frequency, and signal strength. Includes stations like BTO, XAN, CIT, MA2, H1N2, H1N1, H1N3, ULN, ULN3, H1S3, H1S1, H1S2, GYA, GYA, GYA, SONM, SONM, SONM, QIZ, QIZ, QIZ, QIZ, YAK, YAK, YAK, YAK, YAK, YAK, CD2, CD2, BOD, BOD, SEY, SEY, ZAK, ZAK, IRK, IRK, GTA, GTA, GTA, GTA, PZH, PZH, PZH, PZH, PZH, MOY, MOY, MYLDM, MYLDM, TOL2, FAKI, TNCH, TNCH, TNCH, TNCH, TNCH, TNCH, GOMU, GOMU, GOMU, CRAI, CRAI, SANI, SANI, SANI, LUWI, LUWI, LUWI, CM31, CMAR, CMAR, CMAR, BILL, BILL, BILL, TIxi, TIxi, TIxi.

2018 APR

Table with columns for station code, name, frequency, and signal strength. Includes stations like TIXI, LSA, LSA, WMQ, WMQ, WMQ, KSM, KSM, SHL, SHL, SHL, STKI, STKI, ZSN, ZSN, ZSN, ZSN, ZSN, ZSN, ZSN, ZSN, ZSN, ZSN, ZSN, SRIT, SRIT, EDFI, EDFI, EDFI, SOEI, SOEI, MK31, MK31, MKAR, MKAR, MKAR, MKAR, MKAR, MKAR, MKAR, MKAR, MKAR, KULM, KULM, MAZK, MAZK, MAZK, MAZK, MYKOM, MYKOM, IPM, IPM, IPM, TNA, TNA, KDU, KDU, MTN, MTN, PLAI, PLAI, PLAI, SEM, SEM, SEM, F14K, F14K, M13K, M13K, ANM, ANM, ANM, NRIK, NRIK, NRIK, NRIK, NRIK, NRIK, NRIK, NRIK, NRIK, NRIK, J14K, J14K, J14K, COEN, COEN, L14K, L14K, F15K, F15K, G15K, G15K, M14K, M14K, M14K, N14K, N14K, KURK, KURK, KURK, KURK, KURK, PDCK, PDCK, KURBB, KURBB, KURBB, KURBB, KURBB, KURBB, KURBB, KURBB, SHLS, SHLS, SHLS, C16K, C16K, C16K, C16K, C16K, K15K, K15K, UZB, UZB, UZB, H16K, H16K, M15K, M15K, G16K, G16K, TDK, TDK, TDK, S14K, S14K, N15K, N15K, O15K, O15K, SATY, SATY.

16d 18h

Table with columns for station code, name, frequency, and signal strength. Includes stations like SATY, D17K, J16K, I17K, PWJI, RDOG, RDOG, C17K, L16K, L16K, E17K, F17K, G17K, M16K, N16K, H17K, H17K, O16K, O16K, P16K, E18K, E18K, CHK, CHK, CHK, R16K, B18K, MDOK, MDOK, C18K, C18K, K17K, K17K, AAA, AAA, TNS, TNS, TNS, F18K, KNRA, M17K, M17K, N17K, N17K, H18K, H18K, G18K, G18K, A19K, Q16K, LEM, P17K, C19K, L18K, J18K, F19K, GCSA, N18K, GSI, GSI, CHIR, G19K, G19K, M18K, D19K, TKM2, TKM2, TTA, E19K, H19K, P18K, P18K, O18K, KASI, J19K, P19K, PBSI, KSH, KSH, KSH, L19K, KBK, D20K, N19K, N19K, SGDS, F20K, B20K, E20K.

16d 18h

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like M19K, USP, BTLS, etc.

2018 APR

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like CTAO, QIS, I23K, etc.

1046

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like RIDG, F26K, N25K, etc.



Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like K29M Barlow Dome, K29R Barlow Dome, ARU Arti, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like KBS Kingsbay, K29M Barlow Dome, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like KBZ Khabaz, KIV Kislovodsk, etc.

16d 18h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like MOL Molde, SUW Suwalki, NS602 NORSAR Array S, etc.

2018 APR

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like SNART Sstartemo, HARR Harsova, PLORES Plostina Array, etc.

1048

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like P17A Butcher Ranch, SRE Strehla, JAVC Velka Javorina, etc.

Table with columns: Station Name, Frequency, Mode, Power, SNR, Azimuth, Elevation, and other parameters. Includes stations like GERES, N23A, WUJAZ, etc.

Table with columns: Station Name, Frequency, Mode, Power, SNR, Azimuth, Elevation, and other parameters. Includes stations like WLF1, T25A, TUE, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual. Includes stations like ANBD, CELP, etc.

16d 19h

Table with columns: MRKS, Merke, 3.24 346 Pg, Pn, 18 34 04.9 +1.7, 18 34 49.7, 18 34 04.6 -0.7, 18 34 49.2 +3.4, 18 34 05.9 -0.3, 18 34 53.6 -1.8, 18 34 15.2 -1.7, 18 35 07.3 -2.0, 18 34 15.2 -1.7, 18 35 07.3, 18 34 19.6 +0.3, 18 35 15.1 +1.1, 18 34 19.5 -0.6, 18 35 14.8 -0.6, 18 34 20.1 -0.4, 18 35 15.8 -0.4, 18 34 22.0 -0.3, 18 35 19.1, 18 34 25.6 +1.0, 18 35 25.4 +1.5, 18 34 16.5 +1.3, 18 35 09.7 -5.0, 18 34 25.9 -0.2, 18 35 25.8 -0.9, 18 34 25.9 -0.2, 18 35 25.8, 18 34 31.6 +0.9, 18 35 35.6, 18 34 31.6 +0.9, 18 35 35.6, 18 34 21.9 +1.9, 18 35 19.2 -5.7, 18 34 19.8 -0.8, 18 34 33.4 +1.9, 18 35 14.5 +1.4, 18 34 35.9 +1.4, 18 35 43.2 +0.5, 18 34 37.8 +0.8, 18 35 46.1 -1.4

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Table with columns: ALEP, ALEP, HUH, comp=N,187nm,3.6s, 0.38 294, Pg, 18 41 10.3 +0.3, 18 41 15.9 +0.9, 18 41 14.0 -0.4, 0.60 299, Pg, 18 41 10.3 +0.3, 18 41 15.9 +0.9, 18 41 14.0 -0.4, NEIC 16 18:56:42.5:0.8, 36°20'3N, 0°00'87.03W, 0°01', h7km, 2km, Error ellipse: s-maj=1.3km s-min=1.0km az=46.0, TUL 16 18:56:42.8:0.5, 36°20'6N, 0°00'97.04W, 0°01', h7km, 3km, ML2.4, ML2.3/6.5(NEIC), Error ellipse: s-maj=1.3km az=49.0, Oklahoma, Code, Station Name, Δ° AZZ, Phase ID, Time, Res, OK033, Mehan, 0.18 153, Op, Pg, ISC, 18 56 46.9 +0.4, 18 56 49.5 +0.6, 18 56 49.9, OK048, Pawnee Station, 0.22 20, Pg, Sg, 18 56 47.8 +0.5, 18 56 51.0 +0.7, 18 56 51.3, QUOK, Quay, 0.27 97, Pg, Sg, 18 56 48.6 +0.5, 18 56 52.7 +0.9, 18 56 52.9, OK052, Battle Ridge R, 0.29 138, Pg, Sg, 18 56 48.8 +0.3, 18 56 53.0 +0.7, 18 56 53.2, OK031, S. Brethren Rd, 0.30 147, Pg, Sg, 18 56 49.0 +0.3, 18 56 53.3 +0.7, 18 56 53.6, OK051, E0350 and S346, 0.34 29, Pg, Sg, 18 56 49.3 -0.2, 18 56 54.8 +0.6, 18 56 55.6, OK029, Liberty Lake, 0.53 220, Pg, Sg, 18 56 53.0 0.0, 18 57 00.2 +0.3, 18 57 00.5, DEOK, Depew, 0.57 129, Pg, Sg, 18 56 54.2 +0.4, 18 57 01.8 +0.5, 18 57 02.3, ADOK, Arcadia Dam, 0.61 206, Pg, Sg, 18 56 54.7 +0.1, 18 57 02.6 0.0, 18 57 02.9, CROK, Carrier, 0.82 292, Pg, Sg, 18 57 04.4 +0.2, 18 57 11.5, T35A, Sooner Castle, 0.83 31, Pg, Sg, 18 56 57.8 0.0, 18 56 59.5 -0.2, 18 57 13.4, GCO2, Grant County #2, 0.92 315, Pg, Sg, 18 57 00.2 -0.4, 18 57 01.1 -0.8, 18 57 17.4, KAN17, Caldwell West, 1.02 325, Pg, Sg, 18 57 01.9 -0.5, 18 57 02.3 -0.4, 18 57 02.3 -0.7, KAN19, Caldwell North, 1.04 334, Pg, Sg, 18 57 02.3 -0.4, 18 57 02.3 -0.7, KAN14, Manchester OK, 1.05 316, Pg, Sg, 18 57 02.5 -0.6, 18 57 02.0 -1.1, 18 57 22.2, KAN01, Argonia South, 1.11 329, Pg, Sg, 18 57 03.6 -0.5, 18 57 21.1, KAN06, Argonia West S, 1.23 328, Pg, Sg, 18 57 05.7 -0.7, 18 57 06.5 -0.4, 18 57 07.8 -0.1, 18 57 25.2 -0.3, 18 57 08.2 -0.6, 18 57 09.0 -0.1, 18 57 11.4 -0.1, 18 57 12.3 +0.3, 18 57 15.7 -0.4, 18 57 18.6 +0.1, 18 57 19.3 +0.1, 18 57 43.9 -0.2, ISC 16 18:59:47.6:1.0, 61°35'N, 0°03:140°10'W, 0°03, h13km, 7km, n16, c054/26, Southern Yukon Territory, Code, Station Name, Δ° AZZ, Phase ID, Time, Res, YUK8, Steele Glacier, 0.17 111, Op, Pg, ISC, 18 59 51.9 +0.1, 18 59 55.0 +0.2, YUK3, Moose Creek, 0.46 339, P, Sg, 18 59 56.4 -0.4, 18 59 02.6 -0.4, O28M, Mount Upton, 0.58 184, P, Pg, 18 59 58.9 0.0, YUK4, Talbot Arm, 0.70 90, P, Sg, 19 00 01.5 +0.2, CTG, China Glacier, 0.71 238, P, Pg, 19 00 01.2 -0.2, YUK6, Outpost Mount, 0.94 115, P, Pg, 19 00 04.6 -1.1, O29M, Mount Kennedy, 1.29 144, P, Sg, 19 00 11.1 -0.4, M27K, Edge Creek, AK, 1.32 321, P, Sg, 19 00 11.5 -0.4, M29M, Somme Creek, 1.35 35, P, Sg, 19 00 12.3 +0.1, HYT, Haines Junction, 1.37 111, Pg, Pn, 19 00 12.9 +0.3, MCARA, McCarthy VSAT, 1.41 273, Sg, Sg, 19 00 33.9 +1.0, N30M, Aishikh Lake, 1.46 84, Sg, Sg, 19 00 32.9 +0.2, CRQE, Cirque, 1.57 249, Sg, Sg, 19 00 37.4 -0.7, M26K, Nabesna, AK, 1.73 309, Sg, Sg, 19 00 41.9 +0.9, L27K, Beaver Creek, 1.90 336, Sg, Sg, 19 00 46.4 +0.6, M30M, Minto, Yukon, 1.99 50, Sg, Sg, 19 00 49.1 +0.7, IDC 16 19:03:06.5:3.7, 23°56'S, 179°97'E, h523km, 36km, mb3.0/5, mbmp3.9/5, Error ellipse: s-maj=46.4km s-min=28.6km az=2.0, NEIC 16 19:03:07.0:0.7, 23°55'S, 0°4:179°8'W, 0°2, h550km, 20km, mb4.0/17, Error ellipse: s-maj=58.2km s-min=19.7km az=201.0, ISC 16 19:03:07.4:1.2, 23°7'S, 0°2:180°0'E, 0°2, h535km, n23, c079/24, mb4.0/12, South of Fiji Islands, Code, Station Name, Δ° AZZ, Phase ID, Time, Res, CTAO, Charters Tower, 31.45 270, P, P, 19 08 46.1 +0.8

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Table with columns: STKA, Stephens Creek, 34.77 248, P, P, 19 09 13.9 +0.8, 19 09 34.7, STKA, Stephens Creek, 34.77 248, P, P, 19 09 14.0 +0.8, COEN, Coen, 36.06 279, P, P, 19 09 25.0 +0.9, 19 09 27.4, BB00, Bucklebo, 39.49 247, P, P, 19 09 52.0 +0.1, AS31, Alice Springs, 42.04 260, P, P, 19 10 12.4 0.0, ASAR, Alice Springs, 42.04 260, P, P, 19 10 12.1 -0.3, ASAR, Alice Springs, 42.04 260, P, P, 19 10 12.4 +0.1, ASAR, comp=2.0, 2.0nm, 0.8s, baz=94, slow=7.1, SNR=32, 19 14 55.5 +1.0, WR0, Warramunga Arr, 42.20 266, P, P, 19 10 13.3 -0.4, 19 10 20.7, WB2, Warramunga Arr, 42.38 266, P, P, 19 10 14.5 -0.6, 19 10 15.2, WB0, Warramunga Arr, 42.38 266, P, P, 19 10 14.5 -0.6, 19 10 15.3, WRA, Warramunga Arr, 42.39 266, P, P, 19 10 14.7 -0.5, 19 10 14.8 -0.6, FORT, Forrest, 46.35 249, P, P, 19 10 44.8 -0.8, MTN, Munton Dam, 47.41 274, P, P, 19 10 52.9 -0.8, KNRA, Kununurra, 48.66 270, P, P, 19 11 03.3 +0.3, 19 11 11.3, FITZ, Fitzroy Crossi, 50.81 265, P, P, 19 11 18.5 -0.3, VNSA, Vanda, 54.57 185, P, P, 19 11 45.1 +0.4, MBWA, Marble Bar, 55.36 260, P, P, 19 11 49.0 -2.3, 19 12 14.0, QSPA, South Pole Qu, 66.38 180, P, P, 19 13 02.7 -0.3, 19 13 10.7, QSPA, comp=2.6, 1nm, 1.3s, South Pole Qu, 66.38 180, P, P, 19 13 03.7 +0.7, BELA, Belgrano 2, 76.63 173, P, P, 19 14 01.9 -0.6, 19 14 19.9, TXAR, Lajitas Array, 90.35 58, P, P, 19 15 12.0 +0.1, IDC 16 19:11:05.9:2.2, 2°67'N, 126°84'E, h0km, mb3.1/3, mbmp3.1/3, Error ellipse: s-maj=162.6km s-min=28.8km az=66.0, Northern Molucca Sea, Code, Station Name, Δ° AZZ, Phase ID, Time, Res, WRA, Warramunga Arr, 23.64 162, P, P, 19 16 20.2 +1.1, ASAR, Alice Springs, 27.06 166, P, P, 19 16 49.1 -1.2, MKAR, Makanchi Array, 58.49 326, P, P, 19 21 03.9 -0.1, OMAN 16 19:18:10.8:0.1, 21°90'N, 62°49'E, h10km, mb5.0/1, ml2.9/6, Error ellipse: s-maj=2.6km s-min=1.8km az=28.0, Owen Fracture Zone region, Code, Station Name, Δ° AZZ, Phase ID, Time, Res, JLN, Jalan Bani Buh, 2.87 276, P, P, 19 18 55.5 -1.2, 19 19 02.2 +0.9, WBK, Wadi Bani Khal, 3.34 283, P, P, 19 19 02.9 -0.2, WBK, Wadi Sarin, 3.81 291, P, S, 19 19 43.7 +0.8, 19 19 50.7 -0.9, WSAR, Jabal Madar, 4.09 277, P, S, 19 19 53.0 -1.4, 19 19 14.6 +1.0, JMDO, Jabal Madar, 4.27 287, P, S, 19 20 03.3 +1.7, SMDO, Samad, 4.31 259, P, S, 19 20 06.8 +0.7, MHTO, MHTO, 4.31 259, P, S, 19 20 07.0 -0.5, MHTO, Bidbid, 4.34 293, P, S, 19 20 07.4 +0.6, 19 19 16.7 -0.2, BIDO, Bidbid, 4.97 281, P, S, 19 20 07.7 +0.2, BSY, Bisma, 4.97 281, P, S, 19 20 25.4 -0.2, 19 20 24.5 +1.3, DQM, DQM, 5.03 248, P, S, 19 20 26.4 0.0, 19 20 23.3 -1.2, HOQ, Hoqain, 5.07 290, P, S, 19 20 26.1 -0.8, 19 20 26.5 +0.9, ARO, Araqi, 5.70 286, P, S, 19 20 31.1 -0.5, 19 20 45.1 +0.6, SOHO, SOHO, 5.92 293, P, S, 19 20 39.5 +0.8, 19 20 47.1 +0.5, ASHO, Ashiyah, 6.53 296, P, P, 19 20 47.5 +0.4, 19 21 15.1 -0.1, TRN 16 19:18:52.4, 17°39'N, 61°49'W, h22km, MD4.0, South-east of Barbuda, Leeward Islands, Code, Station Name, Δ° AZZ, Phase ID, Time, Res, ANDO, Antigua, Disas, 0.43 230, Op, P, 19 19 03.1 +0.1, ANBD, Bethesda, Anti, 0.43 218, eP, Sg, 19 19 03.5 +0.3, ANBD, Bethesda, Anti, 0.43 218, eP, Sg, 19 19 11.0 +0.6, ABD, La Joyeuse, An, 0.91 180, eP, Sg, 19 19 11.3 +1.5, ABO, Flamings, Mon, 0.94 228, eP, Sg, 19 19 24.5 +2.3, MBFL, Flamings, Mon, 0.94 228, eP, Sg, 19 19 11.2 +0.9, CBE, Ff, Capester, 1.31 185, eP, Sg, 19 19 17.4 +1.0, CBE, Ff, Capester, 1.31 185, eP, Sg, 19 19 36.3 +3.5, MPOM, Morne Pois Mar, 2.99 168, eP, Sg, 19 19 40.9 +2.1, MPOM, Saint Lucia, B, 3.38 172, eP, Sg, 19 19 15.7 +2.1, SLBI, Arcείο Observ, 5.11 282, eP, Sg, 19 20 25.2 +1.9, 19 20 10.3 +2.6, IDC 16 19:20:52.3:2.1, 8°42'N, 137°88'E, h0km, mb3.6/8, mbmp3.6/8, MS2.8/3, Error ellipse: s-maj=85.2km s-min=22.7km az=78.0, ISC 16 19:20:53.8:1.8, 8°4N, 0°2:137°9'E, 0°5, h10km, n17, c15/8, mb3.9, MS2.7/3, Western Caroline Islands, Code, Station Name, Δ° AZZ, Phase ID, Time, Res, JOW, Kunigami, 20.43 335, LR, LR, 19 33 55.9, JNU, Nakatsue, 25.40 346, LR, LR, 19 34 58.0, WRA, Warramunga Arr, 28.41 187, P, P, 19 26 50.5 +1.7, H11S3, WAKE ISLAND Hy, 29.72 67, T, T, 19 58 36.2, H11S1, WAKE ISLAND Hy, 29.74 67, T, T, 19 58 35.2, H11S2, WAKE ISLAND Hy, 29.74 67, T, T, 19 58 35.2, H11N1, WAKE ISLAND Hy, 30.25 65, T, T, 19 59 23.0, H11N2, WAKE ISLAND Hy, 30.27 65, T, T, 19 59 31.8, H11N3, WAKE ISLAND Hy, 30.27 65, T, T, 19 59 23.0, ASAR, Alice Springs, 32.14 187, P, P, 19 27 20.4 -1.3, CMAR, Chiang Mai Arr, 39.05 289, P, P, 19 28 20.7 -0.6, CMAR, Petrapavlovsk, 47.37 16, P, P, 19 29 31.5 +3.6

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Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like SONM Songoing Array, MKAR Makanchi Array, etc.

IDC 16:19:24.41.8.3.0, 14.91Sx174.83W, h0km, mb3.8/4, mbmp3.9/4, MS2.7/1, Error ellipse: s-maj=171.2km

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like WRA Warramunga Arr, GUMO Guam, ASAR Alice Springs, etc.

UCR 16:20:09:42.6.0.8, 10.34N:86.25W, h30km, 5km, MW3.8, CATAC 16:20:09:42.0.7.10.42N:86.30W, h1km, 3km, ML3.3

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like SAJU San Juanillo, DELF Filadelfia, etc.

IDC 16:20:09:42.8.2.0, 10.35N:0.06:86.27W, h0.09, h25km, 14km, n25, c106/36, Off coast of Costa Rica

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like SAJU San Juanillo, DELF Filadelfia, etc.

IDC 16:21:00:58.8.1.1, 16.181S:177.43E, h0km, mb3.7/7, mbmp3.6/7, MS3.8/21, Error ellipse: s-maj=49.3km

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, etc.

GCMT 16:21:01:05.0.0.3, 16.57S:0.02:176.62E:0.02, h20km, 1km, MW4.9/89, Moment Tensor Solution. s22,c31; s89,c125; Duration: 0 Moment tensor: Scale 10^19Nm; Mrr-0.45; 11; Mth0.03; 10; Mth0.41; 09; Mth0.42; 18; Mth2.56; 08; Mtr-0.62; 19; Best double couple: M2.69300x10^16

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, etc.

IDC 16:20:17:04.1.1.2, 40.93N:116.08W, h0km, mb2.8/1, mbmp2.8/3, ML3.1/2, Error ellipse: s-maj=12.9km

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like ELK Elko, BMN Battle Mountain, etc.

IDC 16:20:17:06.8.1.1, 40.60N:104.115.95W:0.05, h0km, 2km, ML2.1/5, ML2.3/46(N/E), Error ellipse: s-maj=5.8km

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like ELK Elko, BMN Battle Mountain, Q12A Willow Creek R, etc.

2018 APR

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like NV11, SPUT South Promonto, RYN Ryan, etc.

IDC 16:20:01:07.4.5.1, 17.74S:176.40W, h0km, mb3.9/4, mbmp3.9/4, MS2.7/1, Error ellipse: s-maj=190.3km

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 16:21:01:05.0.0.3, 16.57S:0.02:176.62E:0.02, h20km, 1km, MW4.9/89, Moment Tensor Solution. s22,c31; s89,c125; Duration: 0 Moment tensor: Scale 10^19Nm; Mrr-0.45; 11; Mth0.03; 10; Mth0.41; 09; Mth0.42; 18; Mth2.56; 08; Mtr-0.62; 19; Best double couple: M2.69300x10^16

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like DZM Mont Dzumac, RAO Raoul Island, URZ Urewera, etc.

IDC 16:21:01:00.4.1.0, 16.85S:0.2:177.4E:0.3, h10km, n36, c114R, mb3.7/7, MS3.9/22, Fiji Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like DZM Mont Dzumac, RAO Raoul Island, URZ Urewera, etc.

IDC 16:21:01:00.4.1.0, 16.85S:0.2:177.4E:0.3, h10km, n36, c114R, mb3.7/7, MS3.9/22, Fiji Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like STKA Stephens Creek, H1S2 WAKE ISLAND Hy, H1S3 WAKE ISLAND Hy, etc.

16d 21h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like SONM Songoing Array, PLCA Paso Flores, YKA Yellowknife Arr, etc.

JMA 16:21:04:02.7.0.2, 23.9N:0.4:12.2E, h13km, 2km, MV2.5/14, TAIWAN REGION

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like TEYL Yanliu Villag, TEYL Yanliu Villag, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like SHUL Shoufeng, TWD Chiawan, ETM Tongmen, etc.

16Z 23h

Table with columns: Station Name, Time, Res, Phase ID, Op, ISC, h, m, s, ISC. Includes stations like HATJ Hatenuma jima, JKRS Kuro-shima, etc.

IDC 16 21:15:45.9-0.7, 3.08S, 130.91E, h0km, mb4.0/13, mbtmp4.1/14, ML3.8/1, MS3.6/9, Error ellipse: s-maj=29.2km s-min=15.0km az=80.0

DJA 16 21:15:50.0-0.3, 3.3S, 130.91E, h10km, M4.1/9, mb4.4/2, MLV4.0/9

NEIC 16 21:15:51.0-1.3, 3.12S, 0.07:130.75E, h29km, 6km, mb4.4/20, Error ellipse: s-maj=11.2km s-min=6.0km

ISC 16 21:15:50.9-0.5, 3.13S, 0.05:130.81E, h35km, n74, c188/69, mb4.3/22, MS3.7/9, 1C, Seram

Main station list table for the first section, including stations like FAKI, BNDI, SWAI, etc.

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Table with columns: Station Name, Time, Res, Phase ID, Op, ISC, h, m, s, ISC. Includes stations like L16K, QSPA, BELG, etc.

SDD 16 21:46:22.5-0.9, 18.60N, 69.14W, h127km, 7km, MD3.0, ML2.4, MW2.6

RSFR 16 21:46:22.1, 19.70N, 68.67W, h91km, 4km, MD2.5/3

NEIC 16 21:46:24.6-2.0, 18.7N, 0.3:69.2W, h0.08, h94km, 41km, s-min=9.1km az=189.0

ISC 16 21:46:22.7-2.0, 18.7N, 0.1:68.96W, h0.07, h121km, 13km, n23, c152/30, 5C-3D, Mona Passage

Main station list table for the second section, including stations like MIDR, SADR, AGPR, etc.

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Table with columns: Station Name, Time, Res, Phase ID, Op, ISC, h, m, s, ISC. Includes stations like SCIA, N38A, T35A, etc.

IDC 16 23:26:35.5-2.9, 6.04S, 142.48E, h0km, mb3.5/2, mbtmp3.9/4, MS2.8/1, Error ellipse: s-maj=92.8km s-min=28.3km az=100.0, New Guinea

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

IDC 16 23:29:39.2-1.7, 22.84S, 178.38W, h0km, mb3.9/4, mbtmp3.9/4, MS2.8/1, Error ellipse: s-maj=52.7km s-min=40.6km az=48.0

ISC 16 23:30:20.9-1.5, 23.3S, 0.3:179.3W, h3.0, h350km, n8, c190/77, mb3.3/4, South of Fiji Islands

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

NEIC 16 23:40:07.1-1.6, 55.88N, 0.03:150.0W, h0.1, h9km, 7km, ML3.5/6, ML3.3/3(AEIC), Error ellipse: s-maj=9.8km s-min=1.5km az=112.0

AEIC 16 23:40:12.8-1.5, 55.94N, 0.09:150.0W, h0.1, h12km, 8km, Error ellipse: s-maj=13.4km s-min=9.4km az=163.0

ISC 16 23:40:08.2-1.4, 56.01N, 0.09:150.0W, h0.06, h10km, n230, c096/228, Gulf of Alaska

Table with columns: Station Name, Time, Res, Phase ID, Op, ISC, h, m, s, ISC. Includes stations like OHAK, BRTR, MMAI, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res. Includes entries like CNPM China Poot, KCE Katmai Mt Cerb, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res. Includes entries like O15K Ungalikthiuk R, VRDI Verde Repeater, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res. Includes entries like CMAR Chiang Mai Arr, MKAR Makanchi Arr, etc.

Table of astronomical observations for 17d 2h, including stations like Talagante, Peidehue, Curacav, Popeta, and others, with columns for station name, coordinates, and observation details.

Table of astronomical observations for 17d 2h, including stations like Warrungarra Arr, ASAR Alice Springs, and others, with columns for station name, coordinates, and observation details.

Table of astronomical observations for 2018 APR, including stations like ARMA Armadale, MGCD Mirogove Creek, and others, with columns for station name, coordinates, and observation details.

ADC 17 02:34:20.0, 3.0, 1.1; 82S x 13.83W, h0km, mb4.0/10, mbmp4.0/10, MS3/3, Error ellipse: s-maj=127.3km s-min=17.6km az=140.0

NEIC 17 02:34:22.8, 1.4, 1.1; 61S, 0:09:13.8W, 0.1, h10km, 1km, mb4.7/28, Error ellipse: s-maj=19.7km s-min=12.8km az=56.0

ISC 17 02:34:22.0, 0.6, 1.1; 64S, 0:08:13.2W, 0.09, h7km, n50, o0589/48, mb4.6/22, MS3.4/3, 2C, Ascension Island region

Main table of astronomical observations for 2018 APR, including stations like HIOS2 ASCENSION HYDR, ASCN Ascension, and others, with columns for station name, coordinates, and observation details.

Table of astronomical observations for 2018 APR, including stations like RSCN 17 02:37:43.4, and others, with columns for station name, coordinates, and observation details.

Table of astronomical observations for 2018 APR, including stations like OCAC Ocana, SJCC San Jacinto, and others, with columns for station name, coordinates, and observation details.

MOS 17 02:39:07.7, 1.0, 1.3; 39N, 127.16E, h8km, mb5.0/49, Error ellipse: s-maj=12.1km s-min=5.5km az=113.6

DJA 17 02:39:12.8, 0.2, 1.2; N.2, 12.7E, h89km, 2km, M4.9/49, mb5.0/49, mb5.4/20, MLV5.1/14, Mw(mB)4.9/20, Mw(mwp)4.5/2, Mwp4.9/2

NEIC 17 02:39:13.1, 0.9, 1.3; 38N, 0:07:12.0E, 0:07, h94km, 6km, mb4.8/17, Error ellipse: s-maj=10.6km s-min=8.8km az=221.0

ISC 17 02:39:12.7, 0.3, 1.3; 66N, 0:03:127.04E, 0:05, h95km, 2km, h95km, pp-P, n292, f1924/297, mb4.8/126, 14C, Halmahera

Main table of astronomical observations for 2018 APR, including stations like TINTI Ternate, LBMI Labuha, and others, with columns for station name, coordinates, and observation details.





17d 2h

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Time, Res, ISC, h, m, s, ISC. Includes stations like Manley, Palmer, Novokhovpors, etc.

2018 APR

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Time, Res, ISC, h, m, s, ISC. Includes stations like Mantong Dam, Mulguthing, Kakadu, etc.

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Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Time, Res, ISC, h, m, s, ISC. Includes stations like Coen, Coen, Manu, etc.

Table with columns for station name, location, time, and status. Includes stations like KMBL Kambalda, MORW Morawa, BBOO Buckleboo, YHNB Yeheng, STKA Stephens Creek, etc.

Table with columns for station name, location, time, and status. Includes stations like CNB Canberra Magne, BRAT Ballarat, SSE Sheshan, TOOLANG Toolangi, etc.

Table with columns for station name, location, time, and status. Includes stations like WAKE Wake Island, HJU Haegu, TIA Tai'an, LYN LuoYang, etc.

17d 2h

2018 APR

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Table with columns for station call letters, frequency, and signal strength. Includes stations like LZH, YSA, USA0B, etc.

Table with columns for station call letters, frequency, and signal strength. Includes stations like GOMU, KLR, TOZ, etc.

Table with columns for station call letters, frequency, and signal strength. Includes stations like WMQ, BOD, CASY, etc.

Table with columns: AAK, Call name, Azimuth, Elevation, ID, Band, Frequency, Azimuth, Elevation, Band, Frequency. Rows include stations like Ala-Archa, Rarotonga, Sogindy, etc.

Table with columns: JMDO, Call name, Azimuth, Elevation, ID, Band, Frequency, Azimuth, Elevation, Band, Frequency. Rows include stations like Saint Paul Isl, Scott Base, etc.

Table with columns: GYET, Call name, Azimuth, Elevation, ID, Band, Frequency, Azimuth, Elevation, Band, Frequency. Rows include stations like Alibeck, ALIBECK ARRAY, etc.

17d 2h

Table with columns: ARU, Arti, Azimuth, Elevation, Azimuth, Elevation, Date, Time, Azimuth, Elevation, Azimuth, Elevation, Azimuth, Elevation, Azimuth, Elevation. Includes entries like 83.49 328c iP, 83.57 23 Iamb, 83.57 23 Iamb, etc.

2018 APR

Table with columns: Q20K, SYI, H19K, H19K, C19K, O20K, L20K, E19K, D19K, D19K, K20K, K20K, M20K, M20K, QSPA, QSPA, J20K, I20K, I20K, HOM, HOM, H20K, N20K, F20K, CNPM, D20K, E20K, BRK, BRSE, CAPN, PPLA, B20K, B20K, SKT, SKT, SKT, CAST, CAST, CHUM, SUA, SUA, SUA, G21K, H21K, H21K, FIS, F21K, RAYN, RAYN, RAYN, RAYN, RAYN, C21K, O22K, I21K, A21K, SEW, E21K, M22K, KTH, KTH, RC01, RC01, CUT, B21K, B21K, BPAW, BPAW, MAK, MAK, MAK, MAK, TRF, TRF, TRF, TAOE, TAOE, TAOE, TAOE, H22K. Includes entries like 85.90 31 P, 85.91 31 IAMS\_20, 85.93 23 Iamb, etc.

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Table with columns: A22K, F22K, MLY, MLY, PMR, PMR, PMR, G22K, GHO, D22K, B22K, B22K, E22K, KNK, KNK, BNL, BNL, SML, RND, RND, MCK, WAT1, I23K, I23K, NEA2, G23K, G23K, H23K, KIRV, KIRV, COLD, M23K, BELG, BELG, BELG, WAT6, GLI, GLI, GLI, D23K, SCM, WRH, Q23K, Q23K, MID, MID, GROC, GROC, E23K, HIN, DHY, DHY, DHY, FID, CCB, COLA, COLA, COLA, COLA, TOLK, H24K, H24K, POKR, EYAK, HDA, M24K, M24K, E24K, KLU, KLU, GNI, GNI, GNI, D24K, ILAR, ILAR, ILAR, F24K, G24K, G24K, C24K, K24K, PAX, RAGM. Includes entries like 88.07 18 P, 88.12 22 P, 88.12 25 P, etc.









Table with columns: TOO, Toolangi, 36.11 161, P, Iamb, P, 04 12 10.8 +1.3, 04 12 14.7, ...

JMA 17 04:06:11.3:0.2,27°N,2°13'39"E, h599km, MV3.9/34, W OFF OGASAWARA

ISC 17 04:06:12.8:0.8, 27°5N,0°11'18.7E,0.1, h550km, n28, +203/32, mb3.67, Bonin Islands region

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

JMA 17 04:11:38.9:0.1, 35.2N,0°22'13.7E,0.2, h43km, MV2.7/34, CENTRAL SHIZUKUA PREF, Eastern Honshu

WEL 17 04:13:27.5:0.8, 37°5'6",18°0'E, h33km, M3.2/13, ML3.5/22, MLV3.2/13, Error ellipse: s-maj=0km

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

ISC 17 04:21:54.6:2.5, 3.36S, 131.74E, h0km, mb4.0/6, mbmp4.0/6, Error ellipse: s-maj=241.2km

ISC 17 04:21:58.7:0.7, 3.56S, 131.43E, h2km, n25, +097/24, mb4.0/6, Irian Jaya region

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

IDC 17 04:48:44.7:1.0, 11°74'N, 143°18'E, h0km, mb3.6/6, mbmp3.6/7, ML3.9/11, Error ellipse: s-maj=47.1km

ISC 17 04:48:49.5:1.0, 11°77'N, 0°22'14.32E, 0.2, h32km, n7, +090/8, mb3.6/6, South of Mariana Islands

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

IDC 17 04:55:40.9:2.1, 3.41S, 131.62E, h0km, mb3.8/5, mbmp3.8/5, Error ellipse: s-maj=106.9km

ISC 17 04:55:44.6:1.9, 3.3S, 131.61E, h2km, n7, +192/20, mb3.8/4, Irian Jaya region

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

BUI 17 04:55:54.7:0.0, 3.75S, 131.56E, h20km, mb5.1/79, mb5.2/45, Ms4.8/64, Ms7.4/56

IDC 17 04:55:58.0:4.3, 4.9S, 131.50E, h0km, mb5.0/22, mbmp5.0/24, ML3.1/11, Ms4.7/6, Error ellipse: s-maj=22.3km

MOS 17 04:55:56.6:0.8, 3.57S, 131.41E, h20km, mb5.3/45, Ms4.5/5, Error ellipse: s-maj=10.7km

NEIC 17 04:55:57.2:1.9, 3.66S, 131.32E, h10km, mb5.2/206, Mww5.1/15, Error ellipse: s-maj=10.4km

NEIC 17 04:55:57.8:4.1, 16S, 131.71E, h22km, Moment Tensor Solution, Duration: 18

NEIC 17 04:55:57.8:3.66S, 131.31E, h22km, GCMT 17 04:56:00.2:0.2, 3.50S, 131.55E, 0.01, h17km, MV5.2/125, Moment Tensor Solution

ISC 17 04:55:59.2:0.7, 3.64S, 131.33E, h23km, n4, n817, +192/807, mb5.2/191, Ms4.6/40, 27C-130, Irian Jaya region

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

SPLS Sidrap Palu 11.54 268 P Pn 04 58 45.7 +3.0	HTT comp=Z,2um,19.4s,baz=164,slow=37 30.47 167 P P 05 02 11.5 +1.0	KMI comp=Z,36nm,1.3s LR LR
TOL1 Toitoli 11.55 294 P Pn 04 58 41.8 -1.1	HTT Hallett 30.47 167 P P 05 02 12.1 +1.6	KMI comp=Z,310nm,15.2s LR LR
TOL2 Toitoli 11.55 294 Pn Pn 04 58 41.2 -1.2	BKT Banting 30.53 277 P P 05 02 12.1 +0.9	KMI comp=Z,380nm,18.7s LR LR
KAPI Kappang 11.63 263 P Pn 04 58 44.5 +0.6	KLBR Kellerrberrin 30.60 203 P P 05 02 11.1 -0.5	TJN comp=Z,540nm,25.4s LR LR
KAPI Kappang 11.63 263 P Pn 04 58 44.5 +0.6	KLBR Kellerrberrin 30.60 203 P P 05 02 11.3 -0.2	TJN Taejon 39.98 355 P P 05 03 32.0 -0.1
KNRA Kununurra 12.22 192 P Pn 04 58 48.8 -3.2	CMSA Cobar Meteorol 30.86 156 P P 05 02 14.6 +0.7	TJN Taejon 39.98 355 P P 05 03 30.0 -1.3
KNRA Kununurra 12.22 192 Pn Pn 04 58 49.4 -2.6	CMSA Cobar Meteorol 30.86 156 P P 05 02 15.4 +1.5	MJAR Matsushiro Arr 40.49 9 P P 05 03 33.6 -2.8
PLAI Plampang 14.42 248 P Pn 04 59 21.8 -0.3	QIZ Qiongzhong 30.90 318 S S 05 02 14.1 -0.2	MJAR comp=Z,5.9nm,0.8s,baz=190,slow=8.9,SNR=12 P P 05 03 38.4 -0.4
PLAI Plampang 14.42 248 P Pn 04 59 23.0 +0.9	QIZ comp=Z,590nm,14.3s LR LR	MAJO Matsushiro 40.49 9 P P 05 03 33.6 -2.7
SMKI Samarinda 14.46 282 P Pn 04 59 25.1 +2.4	QIZ comp=Z,500nm,14.6s LR LR	MAJO Matsushiro 40.49 9 P P 05 03 33.7 -2.7
BKB Balikpapan 14.61 279 P Pn 04 59 24.6 -0.1	QIZ comp=Z,710nm,17.7s LR LR	MJB9 Matsu-Tunnel 40.49 9 P P 05 03 34.5 -1.9
BKB Balikpapan 14.61 279 Pn Pn 04 59 22.6 -2.1	PDSI Padang 30.96 274 P P 05 02 15.0 0.0	KSAR Wonju Array Be 41.00 356 P P 05 03 39.7 -0.8
BKB Balikpapan 14.61 279 P Pn 04 59 26.9 +2.2	IPM Iloh 31.34 285 P P 05 02 19.3 +1.0	KSAR Wonju Array Be 41.00 356 P P 05 03 39.7 -0.8
FITZ Fitzroy Crossi 15.41 201 Pn Pn 04 59 30.6 -4.7	IPM Iloh 31.34 285 P P 05 02 18.3 0.0	KSRS Korea Array 41.01 356 P P 05 03 40.1 -0.4
MYLDM Lahad Datu 15.53 304 P Pn 04 59 36.4 -0.5	IPM comp=Z,38nm,0.8s P P 05 05 20.0	KSRS comp=Z,4.3nm,0.9s,baz=179,slow=6.5,SNR=15 P P 05 03 39.7 -0.8
COEN Coen 15.55 132 P Pn 04 59 36.2 -0.9	IPM comp=Z,38nm,0.8s P P 05 02 19.0 +0.8	PZH PanZhihua 41.44 318 P P 05 03 44.3 -0.2
COEN Coen 15.55 132 Pn Pn 04 59 36.0 -1.1	MUN Mundaring 31.57 205 P P 05 02 22.3 +0.3	PZH PanZhihua 41.44 318 P S 05 10 02.5 +3.8
MANU Manus Island 16.09 85 I Amb I Amb 04 59 51.5	UBPT Khong Chiam 31.77 307 P P 05 02 21.8 -1.5	PZH comp=Z,20nm,1.2s pmax pmax
WRAB Tennant Creek 16.46 170 Pn Pn 04 59 45.2 -3.6	KULM Kulim 31.91 286 I Amb I Amb 05 02 43.4	PZH comp=Z,180nm,6.5s LR LR
WRAB Tennant Creek 16.46 170 P Pn 04 59 45.2 -3.6	NWAO Narrogin (SRO) 31.98 203 P P 05 02 23.5 -0.2	PZH comp=Z,330nm,19.8s LR LR
WRA Warramunga Arr 16.46 170 Sn Sn 05 02 51.9 +0.8	NWAO Narrogin (SRO) 31.98 203 P P 05 02 21.4 -2.4	PZH comp=Z,280nm,21.3s LR LR
SRBI Singaraja 16.63 254 P Pn 04 59 50.9 -0.1	NWAO Narrogin (SRO) 31.98 203 P P 05 02 27.1 +3.4	PZH comp=Z,320nm,18.7s LR LR
MTKI Muara Teweih 16.64 279 P Pn 04 59 52.0 +0.9	NWAO Narrogin (SRO) 31.98 203 P P 05 02 21.4 -2.4	TIA Tai'an 41.81 343 P P 05 03 46.4 -0.9
PMG Port Moresby 16.73 111 Pn Pn 04 59 51.0 -1.2	NWAO comp=Z,98nm,0.7s pmax pmax	TIA comp=Z,12nm,0.9s pmax pmax
PMG Port Moresby 16.73 111 Pn Pn 04 59 51.4 -0.9	SISI Saibi 32.29 273 P P 05 02 25.9 -0.8	TIA comp=Z,73nm,2.8s LR LR
PMG Port Moresby 16.73 111 P Pn 04 59 51.0 -1.2	RKGY Rocky Gully 33.59 202 P P 05 02 37.1 -0.5	TIA comp=Z,180nm,21.6s LR LR
ABJI Asem Bagus 17.50 256 P P 05 00 02.9 -0.1	SRIT Nakonsritamar 33.89 291 P P 05 02 41.1 +0.4	TIA comp=Z,240nm,24.4s LR LR
JAGI Jajag, Banyuw 17.74 254 P Pn 05 00 04.3 -0.6	SURA Surathani 34.06 292 P P 05 02 43.1 +1.0	TIA comp=Z,200nm,20.1s LR LR
JAGI Jajag, Banyuw 17.74 254 P Pn 05 00 04.8 -0.1	GSI Gunungsitoli 34.09 278 P P 05 02 20.4 +0.6	LYN LuoYang 41.94 336 P P 05 03 48.3 0.0
JAGI Jajag, Banyuw 17.74 254 P Pn 05 00 04.6 -0.3	GSI Gunungsitoli 34.09 278 P P 05 02 41.1 -1.1	LYN LuoYang 41.94 336 P P 05 03 52.5 -2.5
KKM Kota Kinabalu 17.90 302 P Pn 05 00 07.0 0.0	GSI Gunungsitoli 34.09 278 P P 05 02 40.9 +1.6	LYN LuoYang 41.94 336 P P 05 10 06.1 +0.5
KKM Kota Kinabalu 17.90 302 P Pn 05 00 06.5 -0.5	KCSI Kotacane, Aceh 34.28 282 P P 05 02 43.0 -1.1	LYN comp=Z,36nm,0.9s pmax pmax
BLJI Banyuglugur 18.11 256 P Pn 05 00 10.2 +0.5	ARPS Mount Arapijes 34.36 165 P P 05 02 45.9 +1.5	LYN comp=Z,250nm,5.5s LR LR
QIS Mount Isa 18.64 155 P P 05 00 14.7 -0.8	ARPS Mount Arapijes 34.36 165 P P 05 02 46.0 +1.6	LYN comp=Z,540nm,19.2s LR LR
QIS Mount Isa 18.64 155 P Pn 05 00 16.3 +0.3	YNG Young 34.39 155 P P 05 02 46.4 +1.4	LYN comp=Z,810nm,24.7s LR LR
GRJI Gresik 19.05 259 P Pn 05 00 21.1 +0.2	YNG Young 34.39 155 P P 05 02 52.9 +0.8	JMM Marumori 42.22 11 P P 05 03 50.5 0.0
MTSU Mount Surprise 19.21 140 P Pn 05 00 23.2 +0.4	GULI comp=Z,20nm,1.0s pmax pmax	JMM Marumori 42.22 11 P P 05 03 48.5 -2.1
MTSU Mount Surprise 19.21 140 P Pn 05 00 23.9 +1.1	GULI comp=Z,270nm,4.2s LR LR	MND TengChong 42.75 314 eP P 05 03 54.1 -1.2
AUCSH Cairns Satite H 19.36 134 P Pn 05 00 25.1 +0.5	GULI comp=Z,620nm,24.2s LR LR	MND Mandalay 42.85 308 P P 05 05 56.5 -0.8
KAVG Kavling 19.48 87 P Pn 05 00 27.1 +1.1	GULI comp=Z,620nm,22.9s LR LR	XAN Xi'an 43.03 332 P P 05 04 01.9 -2.1
AS31 Alice Springs 20.05 173 P P 05 00 30.7 -0.3	CAN Canberra 35.52 155 P P 05 02 56.7 +2.2	XAN Xi'an 43.03 332 P P 05 05 42.3 +4.8
ASAR Alice Springs 20.06 173 P P 05 00 30.1 -1.0	CAN Canberra 35.52 155 P P 05 02 54.8 +0.3	XAN Xi'an 43.03 332 P S 05 10 20.5 -1.3
ASAR Alice Springs 20.06 173 P P 05 00 32.4 +1.3	CAN Canberra 35.52 155 P P 05 02 54.8 +0.3	XAN comp=Z,65nm,1.4s LR LR
ASAR Alice Springs 20.06 173 P S 05 04 08.1 -7.5	CAN Canberra 35.52 155 P Pmax pmax 05 02 54.8 +0.3	XAN comp=Z,410nm,22.7s LR LR
ASAR comp=Z,9.3nm,1.0s,baz=358,slow=25,SNR=2.9 05 00 33.5 -0.1	CAN Canberra 35.52 155 P Pmax pmax 05 02 57.8 +2.1	XAN comp=Z,560nm,24.5s LR LR
ASAR comp=Z,33nm,0.6s 05 00 33.7 -0.7	CAN Canberra 35.52 155 P P 05 02 57.6 +1.8	XAN comp=Z,690nm,23.1s LR LR
ASAR Alice Springs 20.06 173 P Pn 05 00 33.7 -0.7	BRAT Ballarat 35.67 163 P P 05 02 56.3 -0.6	CD2 Chengdu 43.27 325 P Pmax pmax 05 03 58.4 -0.9
NGJI Ngawi 20.12 259 P P 05 00 33.5 -0.1	CNB Canberra Magne 35.67 163 P P 05 02 56.3 -0.6	CD2 comp=Z,20nm,1.0s LR LR
STKI Sintang 20.18 280 P Pn 05 00 33.7 -0.7	MLSI Meulaboh, Aceh 35.77 282 P P 05 02 56.3 -0.6	CD2 comp=Z,280nm,14.2s LR LR
TGY Tagaytay City 20.42 330 P P 05 00 35.2 +0.1	TOO Toolangi 36.18 161 P P 05 03 01.9 +1.7	CD2 comp=Z,180nm,10.8s LR LR
MBWA Marble Bar 20.75 212 P P 05 00 37.4 -1.8	TOO Toolangi 36.18 161 P P 05 03 02.5 +2.4	DL2 Dalian 43.28 349 P P 05 03 58.4 -0.7
MBWA Marble Bar 20.75 212 P P 05 00 39.0 +0.6	TOO Toolangi 36.18 161 P P 05 03 04.4	DL2 comp=Z,54nm,1.3s LR LR
MBWA Marble Bar 20.75 212 P P 05 00 39.0 +0.6	CNSH ChangSha 36.26 332 P Pmax pmax 05 03 06.6 -0.3	DL2 comp=Z,580nm,26.5s LR LR
RABL Rabaul 20.79 92 I Amb I Amb 05 00 39.6 +0.5	CNSH comp=Z,17nm,1.3s LR LR	DL2 comp=Z,1um,22.7s LR LR
RABL Rabaul 20.79 92 I Amb I Amb 05 00 50.0	CNSH comp=Z,440nm,19.0s LR LR	DL2 comp=Z,700nm,23.7s LR LR
PSA00 Pilbara Seismi 21.03 211 P P 05 00 40.5 -1.0	CNSH comp=Z,500nm,30.8s LR LR	HNS HongShan 43.66 341 P P 05 04 00.9 -1.3
PSA00 Pilbara Seismi 21.03 211 P P 05 00 40.3 -1.2	CNSH comp=Z,490nm,26.6s LR LR	HNS HongShan 43.66 341 P P 05 05 05.1 +1.7
PSA00 Pilbara Seismi 21.03 211 P P 05 00 39.9 -1.7	JNU Nakatsue 36.57 359 P P 05 03 02.3 -1.2	HNS HongShan 43.66 341 P Pmax pmax 05 10 26.4 -4.4
PSA00 Pilbara Seismi 21.03 211 P P 05 00 42.0	JNU Nakatsue 36.57 359 P P 05 03 04.6 -1.8	HNS comp=Z,28nm,1.4s LR LR
SMRI Semarang 21.07 260 P P 05 00 41.8 -0.3	JNU Nakatsue 36.57 359 P P 05 03 01.9 +1.0	HNS comp=Z,270nm,19.9s LR LR
SMRI Semarang 21.07 260 P P 05 00 41.3 -0.8	JNU Nakatsue 36.57 359 P P 05 03 08.2 -1.0	HNS comp=Z,470nm,19.9s LR LR
SMRI Semarang 21.07 260 P I Amb I Amb 05 00 44.2	JNU Nakatsue 36.57 359 P P 05 03 08.0 -1.3	HNS comp=Z,500nm,18.6s LR LR
SMRI Semarang 21.07 260 P P 05 00 41.1 -1.0	JMN Monobe 37.25 4 P P 05 03 08.2 -1.0	TIY Taiyuan 44.73 339 P P 05 04 11.1 +0.2
WRKA Warakurna 21.47 188 P P 05 00 46.2 -0.1	JMN Monobe 37.25 4 P P 05 03 08.0 -1.3	TIY Taiyuan 44.73 339 P P 05 04 17.6 -0.1
WRKA Warakurna 21.47 188 P P 05 00 46.8 +0.5	JMN Monobe 37.25 4 P P 05 03 11.6	TIY Taiyuan 44.73 339 P Pmax pmax 05 10 07.4 +0.8
KSM Kuching 21.62 283 P P 05 00 49.4 +1.5	NJ2 Nanjing 37.43 342 P P 05 03 11.0 +0.3	TIY comp=Z,15nm,0.5s LR LR
KSM Kuching 21.62 283 P P 05 00 47.8 -0.1	NJ2 Nanjing 37.43 342 P P 05 03 11.0 +0.3	TIY comp=Z,340nm,21.6s LR LR
TV1H Townsville Har 21.66 137 P P 05 00 50.9 +2.6	NJ2 comp=Z,17nm,0.7s pmax pmax 05 03 18.1 +0.7	TIY comp=Z,210nm,13.7s LR LR
CTAO Charters Tower 21.88 140 P P 05 00 51.7 +1.0	NJ2 comp=Z,180nm,3.9s pmax pmax 05 03 18.1 +0.7	TIY comp=Z,210nm,13.7s LR LR
CTAO Charters Tower 21.88 140 P P 05 00 50.3 -0.4	NJ2 comp=Z,490nm,19.9s LR LR	TIY comp=Z,19nm,1.0s pmax pmax 05 09 01.0 -0.6
CTAO Charters Tower 21.88 140 P P 05 00 50.3 -0.4	NJ2 comp=Z,520nm,23.7s LR LR	BJT Baijiautau 45.63 344 P P 05 04 16.9 -1.0
CNJJ Cibinong 24.36 260 P P 05 01 15.8 0.0	NJ2 comp=Z,550nm,23.7s LR LR	BJT Baijiautau 45.63 344 P P 05 04 17.3 -0.7
OOD Oodnadatta 24.38 171 P P 05 01 16.5 +0.7	JHH Hachiojima 2 37.43 12 LR LR 05 16 33.7	BJI comp=Z,28nm,1.1s LR LR
GIRL Giralda 25.12 220 P P 05 01 22.3 -0.2	WHN Wuhan 37.67 336 P P 05 03 12.8 0.0	BJI comp=Z,110nm,16.7s LR LR
SBJI Serang 25.23 263 P P 05 01 38.5 +1.5	WHN Wuhan 37.67 336 P P 05 03 20.6 +1.1	BJI comp=Z,190nm,14.7s LR LR
INKA Innaminka 25.59 160 P P 05 01 28.4 +1.6	WHN Wuhan 37.67 336 P P 05 03 20.6 +1.1	BJI comp=Z,260nm,19.9s LR LR
MEEK Meekatharra 25.91 207 P P 05 01 30.3 +0.6	WHN Wuhan 37.67 336 P Pmax pmax 05 03 18.4 +0.2	SNY Shenyang 45.80 352 P Pmax pmax 05 04 18.8 -0.4
MEEK Meekatharra 25.91 207 P P 05 01 31.3 +1.3	WHN Wuhan 37.67 336 P Pmax pmax 05 03 18.4 +0.2	SNY comp=Z,19nm,1.0s pmax pmax 05 04 37.4 +0.5
QLP Quilpie 25.94 153 P P 05 01 32.9 +2.9	GYA Guiyang 38.27 323 P Pmax pmax 05 03 22.5 +0.5	LZH Lanzhou 47.15 329 P P 05 04 31.0 0.0
MULG Mulgathing 26.62 175 P P 05 01 36.9 +0.8	GYA Guiyang 38.27 323 P Pmax pmax 05 03 22.5 +0.5	LZH Lanzhou 47.15 329 P Pmax pmax 05 11 25.9 +4.3
KASI Kota Agung 26.81 265 P P 05 01 38.5 +0.5	GYA comp=Z,50nm,1.1s pmax pmax 05 03 24.2 +0.6	LZH comp=Z,45nm,1.4s LR LR
DSRI Dabo 26.92 276 P P 05 01 40.1 +1.1	GYA comp=Z,180nm,6.5s LR LR	LZH comp=Z,250nm,5.3s LR LR
FORT Forrest 27.17 186 P P 05 01 41.2 +0.2	GYA comp=Z,540nm,18.7s LR LR	LZH comp=Z,820nm,15.3s LR LR
FORT Forrest 27.17 186 P P 05 01 41.5 +0.5	GYA comp=Z,410nm,14.9s LR LR	LZH comp=Z,740nm,16.3s LR LR
FORT Forrest 27.17 186 P P 05 01 40.5 -0.5	GYA comp=Z,500nm,16.3s LR LR	LZH comp=Z,460nm,16.5s LR LR
LCKR Leigh Creek 27.44 167 P P 05 01 44.7 +1.2	DZM Mont Dzumac 38.66 121 eP P 05 02 21.1 -0.4	CN2 Changchun 47.52 354 eP P 05 04 26.4 -6.3
DLV T Lat 27.49 305 P P 05 01 44.6 +0.3	DZM comp=Z,42nm,1.4s eS S 05 09 21.4 +4.2	CN2 Changchun 47.52 354 eP P 05 04 33.4 -6.1
DLV T Lat 27.49 305 I Amb I Amb 05 01 49.4	DZM comp=Z,139nm,31.8s eS S 05 12 09.3 +1.3	USA0B Ussuriysk Arr 47.63 1 P P 05 04 32.0 -0.8
EIDS Eidsvoll 27.78 141 P P 05 01 56.6 +1.3	DZM comp=Z,106nm,23.4s eLR LR 05 14 00.1	USRK Ussuriysk Arr 47.63 1 P P 05 04 31.6 -1.8
EIDS Eidsvoll 27.78 141 P P 05 01 54.7 -0.7	DZM comp=Z,1um,25.5s LR LR	USRK Ussuriysk Arr 47.63 1 P P 05 04 32.9 -0.6
KMBL Kambalda 28.98 197 P P 05 01 56.8 -0.4	CMAR Chiang Mai Arr 38.73 306 P P 05 03 21.9 -0.1	HHC Hu-ho-hao-te 47.83 340 P P 05 04 35.4 +0.1
KMBL Kambalda 28.98 197 P P 05 01 57.3 +0.1	CMAR Chiang Mai Arr 38.73 306 P P 05 03 21.9 -0.1	HHC Hu-ho-hao-te 47.83 340 P P 05 04 42.5 +0.4
SSLB Suanglung 29.08 340 I Amb I Amb 05 01 56.2 -1.9	CMAR Chiang Mai Arr 38.73 306 P P 05 03 23.8	HHC Hu-ho-hao-te 47.83 340 P P 05 11 34.8 +3.8
SSLB Suanglung 29.08 340 I Amb I Amb 05 02 04.7	CMAR Chiang Mai Arr 38.73 306 P P 05 03 23.8	
MORW Morawa 29.16 208 P P 05 01 57.7 -1.1	JGF Kuroka 39.44 8 P P 05 03 26.4 -1.3	
BBOO Buckleboo 29.35 172 P P 05 02 00.7 +0.2	JGF Kuroka 39.44 8 P P 05 03 25.5 -2.2	
BBOO Buckleboo 29.35 172 P P 05 02 00.5 0.0	ENH Enshi 39.67 330 P P 05 03 29.5 -0.2	
STKA Stephens Creek 29.70 162 P P 05 02 04.7 +1.0	ENH Enshi 39.67 330 P P 05 03 29.5 -0.2	
STKA Stephens Creek 29.70 162 P P 05 02 04.9 +1.3	ENH Enshi 39.67 330 P P 05 03 28.2 -1.5	
STKA Stephens Creek 29.70 162 P P 05 02 03.9 +0.3	ENH Enshi 39.67 330 P I Amb I Amb 05 03 29.9	
STKA Stephens Creek 29.70 162 P P 05 02 04.6 +1.0	KMI Kunming 39.85 317 P P 05 03 31.8 +0.3	
STKA Stephens Creek 29.70 162 P LR 05 15 56.6	KMI Kunming 39.85 317 P Pmax pmax 05 03 35.3 +0.1	
STKA Stephens Creek 29.70 162 P Pmax pmax 05 02 03.9 +0.3		
STKA Stephens Creek 29.70 162 P Pmax pmax 05 02 03.9 +0.3		
BLDU Ballidu 30.18 206 P P 05 02 07.3 -0.5		
BLDU Ballidu 30.18 206 P P 05 02 07.5 -0.3		
JOW Kunigami 30.44 355 LR LR 05 14 47.7		

17d 4h

Table with columns for station name, frequency, power, and other technical details. Includes stations like HHC, MDJ, BTO, XLT, LSA, YSS, PALK, GTA, GOMU, KLR, HEH, TYV, ULN, SONM, HYB, ZEA, CIT, ZAK, PEAOB, PETK, MOY.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like PET, WMQ, BOD, MA2, ZSN, YAK, SHLS, PDGK, NIL, MK31, MKAR, UZB, TARG, MAKZ, KSH, SATY, ZHN, MDOK, TNS, TDK, AAA, CHHK, BOOM, SEY, TKM2, UCH, AAK, AAK, AAK, AAK, USP, ZALV, SEM, SEM, EKS2, KBL, KBL, KBL, KBL, TBI, UMZA, MOY.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like KBL, BTLS, KURB, KURB, DZA, IUG, KK31, KK31, BRLS, BRLS, KIP, JLN, HRA, TIXI, TIXI, WBK, NIKH, BILL, Vnda, JMDO, JMDO, BVAO, BVAR, BRVK, BRVK, SMDO, SMDO, BIDO, SBA, SBA, SPIA, P08K, BSY, HOQ, HOQ, ARQ, ARQ, SOHO, SOHO, UOSS, UOSS, UOSS, HATD, HATD, ASHO, ASHO, MSFE, MASF, SHME, ALNE, ALNE, ALNE, PPT2, PPT2, MAW, MAW, NAZ, NAZ, FAQ, FAQ, NRIK, NRIK, NRIK, NRIK, TBI, TBI, UMZA, UMZA.

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like ASUD AI Ashush, DOKA Doka, GEYT Alibeck, etc.

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like N18K Kilae Creek, O18K Koktuk Hills, L18K Granite Mounta, etc.

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like H22K Ishalitna Cre, A22K Sinclair Lake, F22K John River, etc.



Table with columns: BfZ, Birch Farm, 7.68 208 Pn, Pn, 05 27 53.7 -1.5, etc.

IDC 17 05:26:39.6, 1.2, 4.80S, 67.74E, h0km, mb3.9/B, mbmp3.9/B, Error ellipse: s-maj=38.3km s-min=27.3km az=105.0

IDC 17 05:26:38.7, 1.1, 5.45S, 67.26E, h0km, n15, n89D/11, mb4.0/9, Chagos Archipelago region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, H08S3, Diego Garcia H, 4.50 119 Pn, etc.

IDC 17 05:37:10.6, 0.9, 6.17S, 143.20E, h0km, mb3.9/B, mbmp4.0/10, ML1.8/1, MS3.4/2, Error ellipse: s-maj=34.0km s-min=18.4km az=74.0

IDC 17 05:37:15.6, 0.8, 6.33S, 0.09, 143.1E, 0.1, h35km, n12, a176/13, mb3.8/8, New Guinea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, PMG, Port Moresby, 5.06 127 Op, etc.

Table with columns: ASAR, Stephens Creek, 25.45 183 P, P, 05 47 29.4, etc.

IDC 17 05:53:35.5, 4.8, 2.62S, 139.85E, h0km, mb3.1/2, mbmp3.1/2, ML3.3/1, Error ellipse: s-maj=183.4km s-min=31.9km az=89.0, Near north coast of Iran, Java

VAO Warrungarra Arr 18.04 197 P, P, 05 47 57.7 -0.1

ASAR Alice Springs 21.70 195 P, P, 05 58 28.1 -0.2

MKAR Makanchi Array 70.42 322 P, P, 06 04 51.9 +0.2

VAO 17 05:57:37.9, 0.9, 34.86S, 71.78W, h10km, mb4.4, SJA 17 05:57:58.0, 0.8, 34.10S, 70.57W, h129km, 3km, ML4.0, MW4.0

NEIC 17 05:58:00.9, 1.7, 34.07S, 0.03, 70.46W, 0.09, h108km, 5km, mb4.4/17, Mw4.4/3/24, Error ellipse: s-maj=10.5km s-min=4.4km az=103.0

GUC 17 05:58:01.6, 0.9, 34.06S, 70.48W, h106km, 2km, ML4.5, IDC 17 05:58:01.2, 0.8, 34.07S, 70.21W, h103km, 7km, mb4.0/10, mbmp4.2/14, Error ellipse: s-maj=21.4km s-min=13.1km az=91.0

ISC 17 05:58:00.6, 0.5, 34.07S, 0.03, 70.48W, 0.04, h108km, 4km, n166, e180/20, mb4.3/13, 26C-2D, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, BO04, La Punta, 0.14 307 Pn, etc.

BO01 Tunca 0.59 237 Pn, Pn, 05 58 18.4 +0.5

BO01 Tunca 0.59 237 Pn, Pn, 05 58 18.4 +0.5

BO01 Tunca 0.59 237 Pn, Pn, 05 58 18.4 +0.5

BO01 Tunca 0.59 237 Pn, Pn, 05 58 18.4 +0.5

BO01 Tunca 0.59 237 Pn, Pn, 05 58 18.4 +0.5

BO01 Tunca 0.59 237 Pn, Pn, 05 58 18.4 +0.5

BO01 Tunca 0.59 237 Pn, Pn, 05 58 18.4 +0.5

BO01 Tunca 0.59 237 Pn, Pn, 05 58 18.4 +0.5

BO01 Tunca 0.59 237 Pn, Pn, 05 58 18.4 +0.5

BO01 Tunca 0.59 237 Pn, Pn, 05 58 18.4 +0.5

BO01 Tunca 0.59 237 Pn, Pn, 05 58 18.4 +0.5

BO01 Tunca 0.59 237 Pn, Pn, 05 58 18.4 +0.5

BO01 Tunca 0.59 237 Pn, Pn, 05 58 18.4 +0.5

BO01 Tunca 0.59 237 Pn, Pn, 05 58 18.4 +0.5

BO01 Tunca 0.59 237 Pn, Pn, 05 58 18.4 +0.5

BO01 Tunca 0.59 237 Pn, Pn, 05 58 18.4 +0.5

BO01 Tunca 0.59 237 Pn, Pn, 05 58 18.4 +0.5

BO01 Tunca 0.59 237 Pn, Pn, 05 58 18.4 +0.5

Table with columns: BO03, comp=E, 5.0m, 0.3s, 1.30 357 Pn, etc.

VAO3 San Esteban 1.30 357 Pn, Pn, 05 58 26.0 +0.9

VAO3 San Esteban 1.30 357 Pn, Pn, 05 58 26.0 +0.9

VAO3 San Esteban 1.30 357 Pn, Pn, 05 58 26.0 +0.9

VAO3 San Esteban 1.30 357 Pn, Pn, 05 58 26.0 +0.9

VAO3 San Esteban 1.30 357 Pn, Pn, 05 58 26.0 +0.9

VAO3 San Esteban 1.30 357 Pn, Pn, 05 58 26.0 +0.9

VAO3 San Esteban 1.30 357 Pn, Pn, 05 58 26.0 +0.9

VAO3 San Esteban 1.30 357 Pn, Pn, 05 58 26.0 +0.9

VAO3 San Esteban 1.30 357 Pn, Pn, 05 58 26.0 +0.9

VAO3 San Esteban 1.30 357 Pn, Pn, 05 58 26.0 +0.9

VAO3 San Esteban 1.30 357 Pn, Pn, 05 58 26.0 +0.9

VAO3 San Esteban 1.30 357 Pn, Pn, 05 58 26.0 +0.9

VAO3 San Esteban 1.30 357 Pn, Pn, 05 58 26.0 +0.9

VAO3 San Esteban 1.30 357 Pn, Pn, 05 58 26.0 +0.9

VAO3 San Esteban 1.30 357 Pn, Pn, 05 58 26.0 +0.9

VAO3 San Esteban 1.30 357 Pn, Pn, 05 58 26.0 +0.9

VAO3 San Esteban 1.30 357 Pn, Pn, 05 58 26.0 +0.9

VAO3 San Esteban 1.30 357 Pn, Pn, 05 58 26.0 +0.9

VAO3 San Esteban 1.30 357 Pn, Pn, 05 58 26.0 +0.9

VAO3 San Esteban 1.30 357 Pn, Pn, 05 58 26.0 +0.9

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VAO3 San Esteban 1.30 357 Pn, Pn, 05 58 26.0 +0.9

VAO3 San Esteban 1.30 357 Pn, Pn, 05 58 26.0 +0.9

VAO3 San Esteban 1.30 357 Pn, Pn, 05 58 26.0 +0.9

VAO3 San Esteban 1.30 357 Pn, Pn, 05 58 26.0 +0.9





Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like KBK, CHMS, USP, YNGY, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like KNOS, DJR, OTUK, etc.

IDC 17 06:41:29.4;2.0,3.50S;131.60E,h0km,mb4.0/5, mbtm4.1/5, Error ellipse: s-maj=116.7km s-min=22.8km az=66.0, Irian Jaya region

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like WRA, ASAR, STKA, etc.

BUI 17 06:43:57.8;0.0,4.01S;131.84E,h26km,mb4.8/65, mB5.0/36,Ms4.6/42,Ms7.4/46

NEIC 17 06:44:01.9;2.1,3.58S;101.06E;131.33E;0.07,h10km,1km, mb5.1/136, Error ellipse: s-maj=12.2km s-min=9.5km az=311.0

MOS 17 06:44:02.1;0.7,3.54S;131.32E,h25km,mb5.2/35, Error ellipse: s-maj=11.4km s-min=5.7km az=116.1

GCMT 17 06:44:04.9;0.2,3.35S;102.131.58E;0.02,h22km, MW5.1/90, Moment Tensor Solution. s50,c59; s90,c123;

Duration: 0 Moment tensor: Scale 10^19Nm; M+/-12; Ms+1.44; Ms-1.44; Ms+2.62; Ms-2.62; Ms+1.92; Ms-1.92; Ms+2.23; Ms-2.23; Best double couple: M+4.99900;101; NP1=322.00000; 663.00000; 1.88.00000; NP2= 147.00000; 827.00000; 1.95.00000. Principal axes: T 5.0730, Plg72.0000; Azm226.0000; N -0.1470. Plg2.0000; Azm323.0000; P -4.9260, Plg18.0000; Azm53.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

DJA 17 06:44:05.3;0.4,4.52;2.131.1E,h31km,4km,M5.0/57, mB5.1/57,mB5.5/22,MLV5.1/11,Mw(mB)5.0/22, Mw(mB)5.0/4,Mwps.3

IDC 17 06:44:06.0;3.2,3.52S;131.50E,h38km,26km,mb4.5/19, mbtm4.7/20,ML3.1/1,MS4.3/34, Error ellipse: s-maj=23.0km s-min=10.4km az=77.0

ISC 17 06:44:03.5;0.3,3.60S;103.37E;0.04,h24km,g611, c129/558,mb5.0/132,MS4.3/60,14C-11D,Irian Jaya region

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like FAKI, BANDI, SWI, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like BASI, PLAI, SKBI, FITZ, etc.

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Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like NWA0, JCJ, SISI, RKGY, etc.

Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like SHENYANG, MDJ, BTO, etc.

Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like MOY, PET, WMQ, etc.

KK31	Karatay Array	71.73 318	I	Amb	I	Amb	06 55 33.1
KK31	Karatay Array	71.73 318	I/P				06 55 24.3 +0.5
KKAR	Karatay Array	71.73 318	I	Amb	I	Amb	06 55 33.1
BRLS	Borolday	72.16 317	eP				06 55 26.4 -0.1
BRLS	Borolday	72.16 317	eP				06 55 26.3 -0.1
BRZS	Berezinski	73.31 325	eP				06 55 32.7 -0.4
BRZS	Berezinski	73.31 325	eP				06 55 32.7 -0.4
TIXI	Tiksi	75.12 359	P				06 55 42.6 -0.5
TIXI	Tiksi	75.12 359	LR				07 27 59.8
TIXI	Tiksi	75.12 359	I/P				06 55 42.4 -0.8
NIKH	Nikolski High	75.27 33	P				06 55 44.6 +0.3
VNDA	Vanda	75.64 173	P				06 55 46.7 +0.6
VNDA	Vanda	75.64 173	P				06 55 47.2 +1.0
VNDA	Vanda	75.64 173	P				06 55 46.7 +0.6
WSAR	Wadi Sarin	75.65 295	LR				07 32 53.9
BVAO	Borovoye Array	75.95 327	I/P				06 55 48.7 +0.4
BVAO	Borovoye Array	75.95 327	I/P				06 55 48.5 +0.2
BVAR	Borovoye	75.95 327	LR				07 32 25.3
BRVK	Borovoye	76.02 327	P				06 55 48.4 -0.3
BRVK	Borovoye	76.02 327	I/P				06 55 48.8 +0.1
SBA	Scott Base	76.51 173	P				06 55 51.3 +0.3
SBA	Scott Base	76.51 173	P				06 55 54.9
SBA	Scott Base	76.51 173	P				06 55 51.3 +0.3
SPIA	Saint Paul Isl	76.54 28	P				06 55 51.7 +0.1
POBK	Saint George I	76.60 29	P				06 55 52.2 +0.4
UNV8	Unalaska Valle	76.92 33	P				06 55 53.9 +0.1
UOSS	Minazif	78.12 296	P				06 56 01.6 +0.5
UOSS	Minazif	78.12 296	I/Amb				06 56 02.6
PPT	Papeete	78.49 107	LR				07 30 06.9
PPT2	Papeete2	78.49 107	LR				07 20 23.9
PPT2	Papeete2	78.49 107	eLR				07 20 32.4
NRK1	Noril'sk	78.62 345	I/Amb				06 56 05.1
NRK1	Noril'sk	78.62 345	P				06 56 03.3 +0.4
NRK1	Noril'sk	78.62 345	I/P				06 56 03.1 +0.2
TBI	Tubuai	78.64 113	eLR				07 20 25.9
FALS	False Pass	78.98 32	P				06 56 05.5 +0.3
GEYT	Alibeck	79.09 310	P				06 56 06.2 -0.1
GEYT	Alibeck	79.09 310	P				06 56 07.4 +1.2
GEYT	Alibeck	79.09 310	P				06 56 06.2 -0.1
GYA0B	ALIBECK ARRAY	79.09 310	P				06 56 06.0 -0.2
GYA0B	ALIBECK ARRAY	79.09 310	I/Amb				06 56 16.2
GAMB	Gambell	79.27 22	P				06 56 07.7 +1.1
M11K	Mekoryuk	79.90 27	P				06 56 10.5 +0.5
S12K	Black Hills	80.02 32	P				06 56 11.3 +0.5
AB31	Akbulak array	80.72 321	P				06 56 14.4 -0.4
ABKAR	Akbulak array	80.72 321	P				06 56 13.8 -0.9
SDPT	Sand Point	80.73 32	P				06 56 15.2 +0.5
CHNA	Chernabura Isl	81.04 33	P				06 56 17.1 +0.8
M13K	Dall Lake	81.20 27	P				06 56 18.1 +1.1
S14K	Fog Glacier	81.54 32	P				06 56 19.3 +0.2
TNA	Tin City	81.58 22	P				06 56 19.5 +0.6
O14K	Tiguykaiuiv M	81.73 29	P				06 56 20.2 +0.3
N14K	Kuskokwak Cree	81.78 28	P				06 56 20.2 +0.1
L14K	Kuka Creek	81.86 26	P				06 56 21.0 +0.5
L14K	Kuka Creek	81.86 26	I/Amb				06 56 23.5
L14K	Kuka Creek	81.86 26	P				06 56 21.0 +0.5
M14K	Bethel	81.96 27	P				06 56 20.7 -0.3
J14K	Nanvaranak Lak	82.05 25	P				06 56 21.8 +0.3
ANM	Norne	82.08 23	P				06 56 21.4 -0.3
F14K	Arctic Creek	82.12 22	P				06 56 21.8 0.0
CHGN	Chignik	82.15 32	P				06 56 22.3 +0.1
AKTO	Aktuybinsk	82.25 322	LR				07 37 20.2
O15K	Ungalikthiuk R	82.39 29	P				06 56 22.9 -0.5
M15K	Kasigluk River	82.52 27	P				06 56 23.5 -0.5
L15K	Ungalak Mounta	82.52 26	P				06 56 24.1 +0.1
N15K	Kwethluk River	82.61 28	P				06 56 24.9 +0.4
K15K	Wolf Creek Mou	82.73 26	P				06 56 25.1 0.0
G15K	Niukluk	82.78 23	P				06 56 25.7 +0.5
F15K	North Star Dit	82.85 22	I/Amb				06 56 35.4
F15K	North Star Dit	82.85 22	P				06 56 26.4 +0.7
R16K	Pilot Point	82.98 31	P				06 56 26.4 -0.1
P16K	Nushagak River	83.24 29	P				06 56 28.2 +0.5
N16K	Nishik Lake	83.33 28	P				06 56 29.2 +0.9
H16K	Elim	83.34 23	P				06 56 28.6 +0.4
O16K	Kokwok River B	83.37 29	P				06 56 29.4 +0.9
M16K	Timber Creek	83.43 27	I/Amb				06 56 32.1
M16K	Timber Creek	83.43 27	P				06 56 29.9 +1.2
L16K	Owhat River	83.43 27	P				06 56 29.7 +1.0
L16K	Owhat River	83.43 27	I/Amb				06 56 45.5
L16K	Owhat River	83.43 27	P				06 56 29.7 +1.0
J16K	Anvik River	83.50 25	P				06 56 30.3 +1.2
G16K	Koyuk River	83.59 23	I/Amb				06 56 32.3
G16K	Koyuk River	83.59 23	I/Amb				06 56 30.8 +1.4

I17K	Unalakleet	83.68 24	P				06 56 31.3 +1.4
C16K	Lisburne Hills	83.73 20	P				06 56 31.0 +0.9
O16K	Kry Salmon	83.79 30	P				06 56 30.9 +0.4
O17K	Koliganek Bris	83.90 29	P				06 56 32.0 +0.8
P17K	Kvichak River	84.05 30	P				06 56 31.8 -0.1
N17K	Nushagak Hills	84.09 28	P				06 56 33.3 +1.2
D17K	Noatak River	84.25 20	P				06 56 33.9 +1.1
K17K	Iditarod	84.29 26	P				06 56 33.8 +0.7
G17K	Kiwalik Mounta	84.29 23	P				06 56 34.1 +1.0
H17K	Grande Mouta	84.38 24	P				06 56 34.5 +1.0
F17K	Baldwin Pennin	84.42 22	P				06 56 34.8 +1.2
E17K	Hotham Inlet	84.45 21	P				06 56 35.2 +1.4
RDOG	Red Dog Mine	84.46 20	P				06 56 34.9 +1.1
SII	Sitkinak Islan	84.47 32	P				06 56 34.7 +0.5
C17K	DeLong Mountai	84.54 20	P				06 56 35.6 +1.3
P18K	Big Mountain,	84.70 30	P				06 56 35.2 -0.1
N18K	Kilae Creek	84.75 28	P				06 56 36.9 +1.4
O18K	Koktuk Hills	84.84 29	P				06 56 37.1 +1.2
L18K	Granite Mounta	84.84 27	I/Amb				06 56 37.2
L18K	Granite Mounta	84.84 27	P				06 56 37.0 +1.2
M18K	Stov River	85.01 27	P				06 56 38.1 +1.4
E18K	Tukpahleark C	85.02 21	I/Amb				06 56 45.6
E18K	Tukpahleark C	85.02 21	P				06 56 37.5 +0.8
H18K	Honhosa River	85.07 24	P				06 56 38.4 +1.4
OHAK	Old Harbor	85.12 32	P				06 56 38.8 +1.4
G18K	Tagagawik	85.21 23	P				06 56 38.3 +0.6
J18K	Innoko River	85.21 25	I/Amb				06 56 40.3
J18K	Innoko River	85.21 25	P				06 56 37.9 +0.1
C18K	Utukok River	85.28 20	P				06 56 38.6 +0.5
TTA	Tatalina	85.35 26	I/Amb				06 56 48.6
TTA	Tatalina	85.35 26	P				06 56 39.2 +0.7
O19K	Port Alsworth	85.36 29	P				06 56 39.3 +0.8
N19K	Bonanza Creek	85.45 28	I/Amb				06 56 42.1
N19K	Bonanza Creek	85.45 28	P				06 56 39.4 +0.3
GCSA	Galena City Sc	85.54 24	P				06 56 39.9 +0.7
KDAK	Kodiak Island	85.62 31	P				06 56 40.1 +0.2
KDAK	Kodiak Island	85.62 31	LR				07 32 49.6
L19K	White Mountain	85.65 27	P				06 56 40.9 +0.9
L19K	White Mountain	85.65 27	I/Amb				06 56 50.3
L19K	White Mountain	85.65 27	P				06 56 41.1 +1.1
M19K	Big River Lodg	85.79 27	P				06 56 41.6 +0.9
M19K	Big River Lodg	85.79 27	I/Amb				06 56 52.8
J19K	Poorman	85.83 25	I/Amb				06 56 57.7
J19K	Poorman	85.83 25	P				06 56 41.3 +0.5
F19K	Shaleruckik Mo	85.86 22	P				06 56 41.5 +0.7
G19K	Purcell Mounta	85.89 23	P				06 56 41.7 +0.6
A19K	Wainwright	85.92 18	P				06 56 42.0 +1.0
H19K	Roundabout Mou	85.95 23	P				06 56 41.8 +0.4
C19K	Lookout Ridge	85.99 20	P				06 56 42.1 +0.5
L20K	Farewell, AK	86.17 27	P				06 56 43.7 +1.1
E19K	Redstone River	86.26 21	P				06 56 43.8 +0.9
D19K	Kuna River	86.28 20	I/Amb				06 57 02.0
D19K	Kuna River	86.28 20	P				06 56 43.8 +0.8
K20K	Telida	86.32 26	I/Amb				06 57 02.1
K20K	Telida	86.32 26	P				06 56 44.0 +0.7
M20K	Styx River	86.36 27	I/Amb				06 56 54.7
M20K	Styx River	86.36 27	P				06 56 44.0 +0.4
QSPA	South Pole Qui	86.36 180	P				06 56 44.0 +0.5
QSPA	South Pole Qui	86.36 180	P				06 56 43.8 +0.3
QSPA	South Pole Qui	86.36 180	LR				07 35 58.8
J20K	Nowinta River	86.51 25	I/Amb				06 56 47.2
J20K	Nowinta River	86.51 25	P				06 56 44.7 +0.6
I20K	Naagdeneel	86.54 24	P				06 56 45.4 +1.2
H20K	Anotlenneg Mo	86.57 24	P				06 56 45.2 +0.8
N20K	Mount Spurr	86.62 28	P				06 56 45.5 +0.6
F20K	Avarart Lake	86.69 22	P				06 56 45.7 +0.8
D20K	Etiwuk River	86.87 20	P				06 56 46.7 +0.8
E20K	Nigu River	86.88 21	P				06 56 46.8 +0.8
BRSE	Bradley Lake S	87.00 30	P				06 56 46.6 0.0
PPLA	Purkeypile	87.03 26	P				06 56 47.8 +0.9
B20							

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Camden Bay, Sheenjek River, Porcupine River, Khabaz, MESA, Edge Creek, Beaver Creek, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Pedras Altas, IPOC Station, Villa Florida, Concordia, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like mbmp3.7/6, Torodi Ar. Bea, ASCENSION HYDR45.50, etc.

0.6nm,0.3s
MKAR Makanchi Array 67.44 326 P P 08 37 44.0 +0.1

comp=Z,8.5nm,0.9s

IDC 17 09:08:08.7.3.8.53.68N:88.01E,h0km,mbtmp2.7/2,
ML2.5/2,Error ellipse: s-maj=37.3km s-min=19.0km

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

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

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

WEL 17 09:14:20.7.0.3.45.52:2\*16.9E:1, h5km, M4.0/14,
ML4.2/14, MLV4.0/14, Error ellipse: s-maj=0.0km

NOU 17 09:14:21.3.44.53S:168.79E, h0km, MLV4.4/10, South
Island, New Zealand

ISC 17 09:14:20.7.1.1.44.55S:0.02\*168.83E:0.02, h2km,
n64, r18/80, South Island

NEIC 17 08:57:58.5.0.6.35.786N:0.010.98.57W:0.11, h5km, 1km,
Error ellipse: s-maj=2.6km s-min=2.1km az=189.0

SJA 17 09:08:03.0.6.2.4.18S:67.13W, h198km, 5km, ML4.0,
MW3.7

IDC 17 09:08:04.5.2.0.24.01S:67.01W, h180km, 20km, mb3.1/3,
mbtmp3.8/7, Error ellipse: s-maj=31.3km s-min=21.6km

GUC 17 09:08:05.0.4.7.24.12S:67.34W, h207km, 8km, ML4.2
ISC 17 09:08:04.3.0.8.24.10S:0.04.67.14W:0.05, h188km, 8km,
n46, r126/67, mb3.4/3, 4C, Chile-Argentina border

Main table on the left side, columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Hydro, Custer, Winter Ranch, etc.

Main table in the middle, columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like San Pedro de A, San Lorenzo, etc.

Main table on the right side, columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Wanaka Nationa, Wanaka, etc.

HJZ 17 09:21:29.7.2.5.3.14N:4.12.18E:1, h32km, 40km, M4.8/13,
mb5.2/6, mb4.8/12, MLV5.0/13, MW(MB)4.5/6

IDC 17 09:21:30.8.2.6.3.14N:128.30E, h93km, 23km, mb3.7/16,
mbtmp4.1/17, MS3.5/17, Error ellipse: s-maj=40.2km

NEIC 17 09:21:30.6.1.6.3.00N:0.09.128.0E:0.1, h76km, 7km,
mb4.4/53, Error ellipse: s-maj=15.3km s-min=11.5km

ISC 17 09:21:31.9.0.4.2.97N:0.05.127.96E:0.08, h100km, n122,
r156/110, mb4.3/45, 1C, Northern Molucca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Tnti Ternate, Sngsi Sangihe, etc.

IDC 17 09:10:24.9.3.6.54.41N:86.87E, h0km, mbtmp2.7/2,
ML2.4/2, Error ellipse: s-maj=31.6km s-min=18.8km

KSM	Kuching	17.70 266	P	P	09 25 30.6	-1.1
KSM			I	Amb	09 25 34.3	
comp=Z,45nm,1.3s						
KNRA	Kunurra	18.54 178	P	Pn	09 25 41.8	-0.4
FTZ	Fitzroy Crossi	21.06 186	P	P	09 26 08.7	+0.7
TPUB	Ta-pu	21.42 341	P	P	09 26 10.0	+1.9
NACB	Ninganchiao	21.96 344	P	P	09 26 14.9	-2.7
NACB			I	Amb	09 26 16.2	
comp=Z,17nm,0.8s						
COEN	Coen	22.59 138	P	P	09 26 23.3	-1.0
COEN			I	Amb	09 26 27.2	
comp=Z,19nm,1.2s						
PMG	Port Moresby	22.74 123	LR	LR	09 26 30.3	
comp=Z,126nm,18.6s,baz=240,slow=40						
WBO	Warramunga Arr	23.46 165	P	P	09 26 30.8	-1.8
WBO			I	Amb	09 26 33.8	
comp=Z,20nm,1.0s						
WRAB	Tennant Creek	23.61 165	P	P	09 26 33.0	-0.9
WRAB			I	Amb	09 27 01.1	
comp=Z,17nm,0.9s						
WRA	Warramunga Arr	23.61 165	P	P	09 26 34.2	+0.2
WRA	Warramunga Arr	23.61 165	P	P	09 26 34.0	+0.1
comp=Z,7.9nm,1.0s,baz=344,slow=11,SNR=46						
WB2	Warramunga Arr	23.62 165	P	P	09 26 34.3	+0.3
WB2			I	Amb	09 26 55.5	
comp=Z,26nm,1.1s						
WRO	Warramunga Arr	23.68 164	P	P	09 26 35.5	+0.9
WRO			I	Amb	09 26 56.1	
comp=Z,18nm,1.1s						
JOW	Kunigami	23.73 1	P	P	09 26 34.7	-0.3
JOW	Kunigami	23.73 1	LR	LR	09 27 01.3	
comp=Z,47nm,18.6s,baz=130,slow=40						
RABL	Rabau	25.21 106	P	P	09 26 46.5	-2.0
MBWA	Marble Bar	25.30 198	P	P	09 26 50.6	+1.4
MBWA			I	Amb	09 27 10.2	
comp=Z,18nm,1.4s						
PSA00	Pilbara Seismi	25.65 198	P	P	09 26 53.8	+1.4
AS31	Alice Springs	27.10 168	P	P	09 27 06.4	+0.9
AS31	Alice Springs	27.10 168	P	P	09 27 06.0	+0.5
ASAR	Alice Springs	27.10 168	P	P	09 27 05.5	+0.2
comp=Z,0.5nm,0.6s,baz=358,slow=8,SNR=12						
ASAR			P	P	09 30 24.8	+0.6
comp=Z,0.3nm,0.5s,baz=356,slow=2.6,SNR=2.4						
JNU	Nakatsue	30.2 5	LR	LR	09 38 37.2	
comp=Z,53nm,20.7s,baz=188,slow=34						
NJ2	Nanjing	30.17 344	eP	pP	09 27 33.3	+0.7
NJ2			pP	pP	09 27 48.1	-6.4
NJ2			pP	pP	09 27 55.6	-1.3
comp=Z,14nm,0.5s						
NJ2			pmax	pmax		
comp=Z,280nm,9.0s						
CMAR	Chiang Mai Arr	32.32 301	P	P	09 27 52.1	+0.4
CMAR	Chiang Mai Arr	32.32 301	P	P	09 27 51.8	+0.1
comp=Z,0.4nm,0.3s,baz=120,slow=6.8,SNR=6.5						
CMAR			P	P	09 42 32.0	
comp=Z,17nm,18.2s,baz=170,slow=39						
KSRS	Korea Array	34.32 360	P	P	09 28 05.9	-3.0
comp=Z,0.5nm,0.4s,baz=176,slow=9.5,SNR=2.6						
KSRS			P	P	09 42 01.6	
comp=Z,41nm,20.9s,baz=180,slow=36						
PZH	PanZhiHua	34.34 315	P	P	09 28 11.3	+1.9
PZH			pmax	pmax		
comp=Z,10.0nm,0.8s						
PZH			pmax	pmax		
comp=Z,19nm,4.8s						
MJAR	Matsushiro Arr	34.72 15	LR	LR	09 42 20.4	
comp=Z,47nm,18.4s,baz=211,slow=35						
XAN	Xi'an	35.65 332	pP	pmax	09 28 21.0	+0.6
XAN			pmax	pmax		
comp=Z,17nm,1.2s						
EIDS	Eidsvoild	36.00 143	P	P	09 28 23.3	-0.2
EIDS			I	Amb	09 28 24.3	
comp=Z,3.0nm,0.8s						
BBOO	Buckleboo	36.40 168	P	P	09 28 26.6	-0.2
STKA	Stephens Creek	37.00 161	P	P	09 28 32.5	+0.7
STKA	Stephens Creek	37.00 161	P	P	09 28 32.1	+0.3
comp=Z,4.1nm,0.6s,baz=329,slow=9.5,SNR=16						
STKA			LR	LR	09 47 42.6	
comp=Z,1.35nm,19.8s,baz=20,slow=42						
NWA0	Narrows (SRO)	37.12 195	P	P	09 28 33.0	+0.2
BJI	Beijing	38.42 345	P	P	09 28 43.9	+0.2
BJI			pmax	pmax		
comp=Z,2.0nm,0.9s						
BZH	Banzhou	39.78 329	eP	pP	09 28 55.0	-0.3
LZH	Lanzhou		pP	pP	09 29 01.5	-1.6
LZH			pmax	pmax		
comp=Z,17nm,1.0s						
ARMA	Armada	40.16 147	P	P	09 28 58.7	+0.3
HHC	Hu-ho-hao-te	40.51 341	eP	pP	09 29 04.3	+3.1
HHC			pP	pP	09 29 17.0	-6.7
HHC			sP	sP	09 29 27.3	+0.8
HHC			eS	eS	09 35 09.6	+6.7
HHC			sS	sS	09 35 35.8	-5.2
comp=Z,17nm,0.5s						
HHC			pmax	pmax		
comp=Z,54nm,4.3s						
H1S13	WAKE ISLAND Hy	40.92 65	T	T	10 12 26.4	
baz=253,slow=75,SNR=21						
H1S12	WAKE ISLAND Hy	40.94 65	T	T	10 12 25.1	
baz=253,slow=75,SNR=21						
H1S11	WAKE ISLAND Hy	41.48 65	T	T	10 12 24.0	
baz=253,slow=75,SNR=21						
H1N11	WAKE ISLAND Hy	41.94 63	T	T	10 13 15.7	
baz=250,slow=75						
H1N12	WAKE ISLAND Hy	41.49 63	T	T	10 13 13.4	
baz=250						
H1N13	WAKE ISLAND Hy	41.50 63	T	T	10 13 15.1	
baz=250,slow=75						
HEH	Heihe	47.12 360	eP	pP	09 29 55.8	+2.0
ULN	Ulanbaatar	48.23 341	P	I	09 30 03.4	+0.7
ULN			I	Amb	09 30 29.7	
comp=Z,4.2nm,0.9s						
SONM	Songino Array	48.41 341	P	P	09 30 04.3	+0.2
SONM			I	Amb	09 30 09.8	
comp=Z,4.7nm,1.4s						
SONM	Songino Array	48.41 341	P	P	09 30 03.7	-0.4
SONM			LR	LR	09 52 13.4	
comp=Z,62nm,19.3s,baz=110,slow=98						
MK31	Makanchi Array	58.88 325	P	P	09 31 21.3	+1.0
MK31			I	Amb	09 31 21.7	
comp=Z,2.5nm,0.7s						
MKAR	Makanchi Array	58.88 325	P	P	09 31 21.2	+0.9
comp=Z,1.8nm,0.3s,baz=119,slow=8.7,SNR=32						
YAK	Yakutsk	58.94 1	LR	LR	09 57 56.4	
comp=Z,26nm,18.9s,baz=280,slow=37						
MAKZ	Makanchi	59.07 325	P	P	09 31 22.6	+1.0
KSH	Kashi	59.45 315	P	P	09 31 27.3	+2.8
KSH			pmax	pmax		
comp=Z,5.0nm,1.1s						
AAK	Ala-Archa	61.75 318	LR	LR	09 59 42.3	
comp=Z,42nm,18.7s,baz=35,slow=37						
KBL	Kabul	62.96 307	P	P	09 31 45.8	-2.7
KBL			I	Amb	09 31 50.3	
comp=Z,3.5nm,0.8s						
KURBB	Kurchatov Arr	63.04 327	P	P	09 31 48.6	+0.2
comp=Z,3.4nm,0.6s,baz=128,slow=6.2,SNR=27						
KURK	Kurchatov	63.04 327	P	P	09 31 49.0	+0.7
GAR	Garm	63.34 313	P	P	09 31 49.8	-1.2
CHGR	Chuyangaron	64.09 312	P	P	09 31 56.7	+1.0
SIMJ	Simiganj	64.20 312	P	P	09 31 57.0	+0.5
SIMJ			I	Amb	09 32 25.6	
comp=Z,5.4nm,1.3s						
KK31	Karatay Array	64.62 317	P	P	09 31 60.0	+1.0
KK31			I	Amb	09 32 00.6	
comp=Z,6.1nm,1.3s						
KKAR	Karatay Array	64.62 317	P	P	09 31 60.0	+1.0
KKAR			I	Amb	09 32 00.6	
comp=Z,6.1nm,1.3s						
TIXI	Tiksi	68.59 0	LR	LR	10 02 06.7	
comp=Z,22nm,21.5s,baz=200,slow=36						
BVAR	Borovoye Arr	68.63 327	P	P	09 32 24.4	+0.2
comp=Z,1.4nm,0.4s,baz=121,slow=7.2,SNR=11						
comp=Z,1.4nm,0.4s						

BRVK	Borovoye	68.70 327	P	P	09 32 25.2	+0.5
BRVK			I	Amb	09 32 50.4	
comp=Z,6.0nm,1.0s						
GEYT	Alibek	72.33 309	P	P	09 32 47.7	+0.7
comp=Z,1.2nm,0.3s,baz=92,slow=7.2,SNR=1.3						
GEYT			LR	LR	10 09 30.6	
comp=Z,46nm,18.3s,baz=182,slow=40						
ABKAR	Abkalk array	73.52 321	P	P	09 32 54.2	+0.5
E18K	Utkuhai C	80.20 22	P	P	09 33 31.6	+0.6
C18K	Tukukhoy	80.34 21	P	I	09 33 34.1	+1.6
C18K			I	Amb	09 33 55.5	
comp=Z,6.2nm,1.4s						
C19K	Lookout Ridge	81.02 20	P	P	09 33 34.5	-0.9
G19K	Purcell Mounta	81.23 23	P	I	09 33 35.0	-1.5
G19K			I	Amb	09 33 54.2	
comp=Z,6.0nm,1.4s						
H19K	Roundabout Mou	81.36 24	P	P	09 33 39.2	+2.1
H19K			I	Amb	09 33 48.1	
comp=Z,8.5nm,1.5s						
D19K	Kuna River	81.39 21	P	P	09 33 39.4	+2.0
D19K			I	Amb	09 34 02.4	
comp=Z,6.6nm,1.5s						
J19K	Poorman	81.40 26	P	P	09 33 38.6	+1.2
J19K			I	Amb	09 34 00.1	
comp=Z,7.8nm,1.4s						
B20K	Meade River	82.07 20	P	P	09 33 42.8	+2.0
VNDA	Vanda	82.52 173	P	P	09 33 44.0	+1.0
VNDA	Vanda	82.52 173	P	P	09 33 43.7	+0.7
comp=Z,0.5nm,0.7s,baz=82,slow=2.0,SNR=2.5						
VNDA			LR	LR	10 04 47.0	
comp=Z,52nm,19.4s,baz=248,slow=34						
IMAR	Imar	82.54 24	P	P	09 33 45.2	+1.9
B21K	Ikpikupuk River	82.86 20	P	I	09 33 47.3	+2.4
B21K			I	Amb	09 34 15.6	
comp=Z,5.9nm,1.1s						
GNI	Garni	82.91 310	LR	LR	10 18 32.9	
comp=Z,32nm,18.4s,baz=234,slow=41						
D22K	Ayikyak River	83.41 21	P	P	09 33 47.8	-0.1
BPAW	Bear Paw Mtn.	83.43 26	P	I	09 33 49.4	+1.4
BPAW			I	Amb	09 34 11.8	
comp=Z,6.5nm,1.5s						
D24K	Happy Valley	84.82 21	P	P	09 33 56.3	+1.4
F24K	Squaw Lake	85.03 23	P	P	09 33 57.7	+1.6
ILAR	Eielson Array	85.26 25	P	P	09 33 55.9	-1.3
comp=Z,0.2nm,0.5s,baz=87,slow=4.9,SNR=1.6						
L26K	Log Cabin Vld	86.78 27	P	P	09 34 05.7	+0.9
E28M	Babbage River	88.18 22	P	P	09 34 11.6	+0.3
G29M	Pine Creek	88.87 23	P	P	09 34 16.7	+2.1
G29M			I	Amb	09 34 40.3	
comp=Z,3.4nm,1.4s						
G31M	Satah River	90.34 23	P	P	09 34 23.1	+1.7
EIL	Elat	91.17 300	LR	LR	10 22 41.2	
comp=Z,21nm,18.1s,baz=246,slow=40						
SPITS	Spitsbergen Ar	91.46 349	LR	LR	10 25 26.7	
comp=Z,1.5nm,0.9s,baz=80,slow=7.5,SNR=11						
ARCES	ARCESS Array B	91.58 340	P	P	09 34 27.0	-0.2
ARCES	ARCESS Array B	91.58 340	P	P	09 34 26.5	-0.7

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AR10, ARCES, KEV, KUA, VADS, etc.

ISK 17 10:25:43.8, 39°55'N, 26°08'E, h4km, ML3.2/35
AFAD 17 10:25:44.5, 0.0, 39°56'N, 26°11'E, h16km, 3km, ML3.0
THE 17 10:25:44.6, 39°54'N, 26°08'E, h6km, 1km, ML2.9/9, Error ellipse: s-maj=1.9km s-min=0.6km az=170.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GPNR, EZNE, PRK, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PRK, EZN, SGR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SGR, BAYC, ECEA, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ECEA, LESV, CNKL, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like COMU, BUHA, LIA, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LIA, DKL, EFA, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EFA, CANM, GELI, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ZEDA, FOCM, LPK, etc.

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PSRA, ENZZ, CHOS, etc.

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

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

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KNL, GONE, SKY, etc.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

IDC 17 10:37:14.3, 2.0, 9°16'S, 125°63'E, h0km, mb3.5/1, mbtmp3.6/4, ML3.6/3, Error ellipse: s-maj=45.4km s-min=32.8km az=59.0

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

17d 11h

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MK31, CHKX, CHKK, KOTS, MDOK, MTBS, DGS, ZSN, BTLS, AAK, KURBB, KURK, KK31.

IDC 17 11:03:21.8-0.8, 13.21N-146.00E, h0km, mb4.2/22, mbmp4.2/22, MS3.3/5, Error ellipse: s-maj=20.2km s-min=17.1km az=86.0

NEIC 17 11:03:21.5-2.9, 12.64N-107.145-94E:0.06, h10km, 1km, mb4.6/79, Error ellipse: s-maj=15.3km s-min=6.4km az=218.0

ISC 17 11:03:20.7-0.5, 12.62N-108.145-88E:0.10, h10km, n127, az=135/116, mb4.5/62, MS3.2/2, South of Mariana

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like GUMO, PATS, H11S1, H11S2, H11N1, H11N2, H11N3, JOW, JMN, INU, JNG, JNU, MAJO, MJAR.

2018 APR

Main table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MJB9, JMM, KSR5, USA0B, USRK, WBO, WRO, WB2, WRA, FITZ, ASAR, DZM, HEH, PEAOB, PETK, STKA, KULM, CMAR, MA2, SONM, YAK, F15K, L16K, MK31, MKAR, ZAAO, ZALV, MAKZ, N18K, O18K, C16K, H17K, F17K, N19K, J18K, TTA, H18K, L19K, G18K, E18K, J19K, C18K, M20K, G19K, CNPM, F19K, BRLK, BUKR, KURK, KURBB, C19K, D19K, F20K, IMAR, RO01, BOOM, H21K, KTH, PMR, TRF, B20K, GHO, NRIK, NRIK, MLY, SML, RND, B21K, D22K, E22K.

1078

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like E22K, WRH, B22K, HDA, ILAR, KK31, BRVK, E27K, I28M, M29M, D27M, L29M, HYT, E29M, J30M, G31M, GEYT, ARCES, FINES, HFS, NOA, BRTR, H03N2, H03N3, H03N1, TORO, DBIC, KIC, TIC, LIC.

CUPWA 17 11:06:51.8-1.6, 32.13S-117.10E, h2km, 46km, Region: WESTERN AUSTRALIA, Western Australia

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MUN, KLRB, NWAO, BLDU.

AUSTW 17 11:07:50.5-1.2, 32.14S-117.12E, h10km, Error ellipse: s-maj=11.0km s-min=9.4km az=101.0, Western Australia

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KLRB, MUN, NWAO, BLDU.

SOME 17 11:10:11.4, 44.65N-82.02E, h20km

NIC 17 11:10:12.4-1.3, 44.68N-81.96E, h0km, mb3.7, mpv3.6, Error ellipse: s-maj=12.8km s-min=5.2km az=125.0, Suspected Missing explosion

ISC 17 11:10:11.6-1.5, 44.61N-82.05E:0.08, h0km, n28, az=131/43, 4C-1D, Northern Xinjiang

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DJR, KAPS, KAPS, KNOS, MK31, MAKZ, PDGK, PDGK, SHLS, SHLS, SHLS.





17d 12h

Table of satellite observations for the 17d 12h period, listing station names, satellite names, and various parameters like elevation and azimuth.

2018 APR

Table of satellite observations for the 2018 APR period, listing station names, satellite names, and various parameters like elevation and azimuth.

1080

Table of satellite observations for the 1080 period, listing station names, satellite names, and various parameters like elevation and azimuth.



17d 13h

Table with columns: ID, Name, Time, Status, and other details. Includes entries like PB12, PB14, GO02, etc.

2018 APR

Table with columns: ID, Name, Time, Status, and other details. Includes entries like VNA3, VNA3, VNA3, etc.

1082

Table with columns: ID, Name, Time, Status, and other details. Includes entries like P38A, P319A, 121A, etc.

Table with columns: TUQ, CCUT, RWWY, CIS, BFSC, RDMU, K22A, RSSD, RSSD, BOSS, SNCC, B35A, BSUT, MPU, GWY, PSUT, LRMC, OSI, FURC, WCT, PPMC, AGMN, AGMN, ARVC, SBC, TCUT, ISA, DUG, R11B, GR16, Q12A, CWC, PKM, BW06, PDAR, PDAR, PDAR, HWUT, MDND, SMMC, AHID, LOHW, ULM, ULM, ULM, ULM, MTRAC, LHV, NVAR, NVAR, NVAR, IMW, FLWY, LAO, LAO, RLMT, RLMT, KVN, H17A, SCHQ, SCHQ, WAKR, YERR, DGMT, DGMT, PNTR, PAHR, HLID, HLID, TOAO, TORD, TORD, TORD, BOZ, MFID, ORV, EGMT, SUR, PLID, BMO, TSUM

Table with columns: I07A, J05D, PINE, FFC, FFC, FFC, K02D, HAWA, NEW, LTY, BOSA, BOSA, BOSA, EDM, MAW, LBTB, LBTB, ESDC, ESDC, ESDC, MATP, SFJD, YKA, YKA, YKA, TOAD, CASY, KOTAN, WRAK, DLBC, DLBC, U33K, S34M, R33M, TGTN, Q32K, S32K, SIT, P33M, P32M, N32M, SKAO, WHY, PLBC, FARO, DAVOX, M03M, P30M, P29M, N31M, N30M, O29M, PNL, YUK6, YUK4, M29M, YUK8, H31M, J30M, L29M, K29M, I30M, MESA, YUK3, CTG, G31M, F31M, A36M, INK, BGLC, DAWY, EPYK, CRQC, G30M, M27K, F30M, KAIM, L27K, H29M, M26K, G29M

Table with columns: I28M, BMRM, EGAK, K27K, Q23K, L26K, EYAK, E29K, I27K, HARP, KLU, F28M, SCRK, J26L, GLI, M24K, RIDG, D28M, SCM, K24K, E27K, J25K, D27M, KNK, SEW, G26K, WAT6, SML, DRP, PMR, F26K, RC01, WAT1, BRSE, POKR, G25K, M22K, KDAK, F25K, HOM, MCK, Q20K, SUA, OHAK, CUT, H24K, NEA2, G24K, SII, TRF, C26K, O20K, SKT, I23K, N20K, P19K, Q19K, D25K, H23K, BPWA, CHIR, MLY, PPLA, M20K, G23K, O19K, COLD, D24K, H22K, N19K, P18K, I21K, TOLK, G21K, F21K, B21K, M16K, K17K, G19K, D20K, E19K, F18K, I17K

Table with columns: Code, Station Name, Az, El, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like NACGM, G16K, BR131, KLMR, STKA, etc.

IDC 17 13:55:01.4+1.0, 5:37S, 102:29E, h0km, mb4.4/15, mbmp4.4/16, MLL4.4/11, MS3.6/5, Error ellipse: s-maj=35.4km s-min=11.5km az=47.0

DJA 17 13:55:04.9+0.4, 6:54S, 104:10E, h45km, 10km, M4.8/14, mb4.9/11, mb5.2/6, MLL4.9/14, MW(m)B4.6/6

NEIC 17 13:55:07.0+0.9, 5:34S, 102:37E, 0.0h, h36km, 7km, mb4.5/37, Error ellipse: s-maj=12.8km s-min=8.2km az=64.0

ISC 17 13:55:06.4+0.6, 5:48S, 102:33E, 0.0h, h34km, n110, r153/106, mb4.6/38, MS3.7/6, 1D, Southern Sumatara

Table with columns: Code, Station Name, Az, El, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like MNAI, KASI, PMBI, etc.

Main table with columns: Code, Station Name, Az, El, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like XMIS, Christmas Isla, PBI, etc.

Table with columns: Code, Station Name, Az, El, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like MK31, Makanchi Array, MKAR, etc.

IDC 17 14:13:22.5:1.8,3:37S,131.40E,h0km,mb3.9/6,mbmp4.07,ML4.3/1,Error ellipse: s-maj=60.8km s-min=26.1km az=83.0

DJA 17 14:13:27.0:0.7,3S,3:131E, h13km,6km,MA,2/10,mb4.5/3,MLV4.1/10

ISC 17 14:13:25.0:0.7,3:59S,0:06:131E,0:06:h24km,n30,az=250/32,mb3.9/5,Irian Jaya region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like FAKI Fak Fak, BNDI Bandanaira, SWI Sorong, etc.

IDC 17 14:20:33.0:0.9,56:81S:26:15W,h0km,mb4.3/3,mbmp4.2/4,ML3.4/1,Error ellipse: s-maj=41.3km s-min=25.3km az=77.0

NEIC 17 14:20:43.0:0.7,56:9S:0:2:26:2W:0.2,h79km,8km,mb4.4/11,Error ellipse: s-maj=23.6km s-min=13.0km az=202.0

ISC 17 14:20:41.2:0.7,56:9S:0:1:26:1W:0.1,h61km,n26,az=85/26,mb4.4/8,2C-3D,South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HOPE Hope Point, VNA3 Neumayer-Olymp, etc.

NEIC 17 14:21:32.3:1.5,38:21N:0:06:72:32E:0:10,h108km,6km,mb4.2/5,Error ellipse: s-maj=11.4km s-min=8.1km az=109.0

NMC 17 14:21:33.2:3.5,38:30N:72:31E,h117km,70km,mb2.5,mpv3.0,Error ellipse: s-maj=32.5km s-min=23.4km az=178.0

SOME 17 14:21:34.3:38:45N:72:23E,h20km,ISC 17 14:21:30.5:0.7,38:11N:0:06:72:25E:0:06,h100km,n39,az=175/47,mb4.2/5,4C-4D,Tajikistan

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DRK Karamyk, GAF Garm, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like EKS2 Erkin-Say, AAK Ala-Archa, etc.

IDC 17 14:24:03.7:1.7,5:21S,151:29E,h144km,14km,mb4.2/19,mbmp4.7/20,MS3.3/2,Error ellipse: s-maj=16.5km s-min=11.0km az=103.0

NEIC 17 14:24:04.0:1.7,5:2S:0:1:151:24E:0:09,h143km,7km,mb4.5/108,Error ellipse: s-maj=15.1km s-min=12.3km az=190.0

DJA 17 14:24:04.1:0.5,5:4S:15:1E, h148km,5km, M5,0/21,mb5.0/21,mb5.3/5,MLV5.0/2,Mw(mB)4.8/5,MwMwp6.5/1,Mwp5.5/1

ISC 17 14:24:03.0:0.6,5:18S:0:04:151:25E:0:05,h145km,4km,mb4.4/34,az=69/501,mb4.6/93,2C-3D,New Britain region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BULU Kimbe, RABL Rabaul, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BATI Baumata, STKA Stephens Creek, etc.

17d 14h

2018 APR

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Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Accuracy, Elevation Accuracy, Azimuth Bias, Elevation Bias, Azimuth Spread, Elevation Spread. Rows include stations like N14K, CHIR, R16K, O15K, M14K, L14K, J14K, Q16K, N16K, K15K, P17K, O17K, M16K, TNA, OHAK, ANM, L16K, N17K, P18K, F14K, KDAK, O18K, M17K, J16K, G15K, Q19K, N18K, H16K, F15K, I17K, K17K, Q20K, O19K, M18K, P19K, L18K, N19K, TIXI, G16K, ZSN, O20K, H17K, M20K, TTA, L19K, G17K, M19K, CNPM, J18K, BRSE, F17K, M20K, N20K, H18K, L20K, C16K, E17K, CAPN, J19K, GCSA, D17K, G18K, G18K, MK31, MKAR, MKAR, K20K, F18K, RDOG, RDOG, SEW, MAKZ, O22K, SKT, SUA.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Accuracy, Elevation Accuracy, Azimuth Bias, Elevation Bias, Azimuth Spread, Elevation Spread. Rows include stations like C17K, E18K, E18K, H19K, J20K, J20K, PPLA, RC01, G19K, I20K, M22K, SHLS, CAST, CAST, F19K, H20K, CHUM, ZAAO, ZALV, ZALV, C18K, PMR, UZB, KNK, B18K, E19K, E19K, SML, SML, SATY, ZHN, TRF, GLI, BPAW, F20K, M23K, C19K, C19K, D19K, H21K, I21K, WAT1, WAT2, MLY, MLY, MCK, E20K, BWN, KAIM, D20K, KLU, KSH, KSH, H22K, SEM, F21K, DHY, MDOK, M24K, M24K, NEA2, BMRM, CHKK, I23K, G22K, E21K, N25K, B20K, F22K, H23K, CCB, HARP, C21K, COLA, PAX, WAX.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Accuracy, Elevation Accuracy, Azimuth Bias, Elevation Bias, Azimuth Spread, Elevation Spread. Rows include stations like HDA, HDA, CROE, G23K, NIL, POKR, K24K, TKM2, B21K, E22K, IL31, ILAR, KURK, COLD, KURB, MCAR, MESA, D22K, H24K, RIDG, J25K, M26K, BARN, UCH, CHMS, L26K, E23K, CTG, CTGM, G24K, A22K, AAK, AAK, B22K, SCRK, D23K, SGDS, USP, PRP, F24K, TOLK, M27K, M27K, H25L, PNL, O28M, J26L, G25K, EKS2, C23K, L27K, YUK3, BVCY, D24K, YUK8, BTLS, K27K, QSPA, O29M, F25K, C24K, P29M, E25K, YUK6, YUK4, S31K, G26K, EGAK, EGAK, D25K, F26K, SIT, I27K, HYT, HYT, P30M, R31K, M29M, PLBC, H27K, DAWY, NRIK, NRIK.



Table with columns: Station ID, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like Aishikik Lake, Killisnoo, Doyon Strip, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like Hector, Ludlow, New Newport, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like Villa Florida, Torodi Arr, Brasilia, etc.

17d 14h

Table with columns for station name, frequency, power, and other technical details. Includes stations like KSRS, KSAR, USAOB, MDJ, PETK, CN2, GYA, Vnda, HEH, KMI, CCD, XLT, CMAR, HHC, PZH, CD2, MA2, TNCH, LZH, ULN, SONM, YAK, GTA, M16K, B1LL, SWVZ, K17K, M19K, L19K, TTA, J18K, QSPA, J19K, CAST, TRF, E18K, F19K, M24K, H21K, E19K, TABL.

2018 APR

Table with columns for station name, frequency, power, and other technical details. Includes stations like I23K, HDA, F21K, IL31, ILAR, J25K, L27K, J26L, TIXI, YBH, TOLK, L29M, DAWY, BMAR, WMO, E27K, NVAR, I30M, NV11, PFO, G29M, EPYK, G30M, H31M, G31M, INK, SPR3, MK31, MKAR, ZALV, ZALV, MAKZ, ELIB, A36M, KURBB, PDAR, YKA, AAK, ANMO, TXAR, TXAR, SNA4, BVAR, BVAR, ARCES, KEST, ESDD, TORD, TORD, SJA, GUC, ISC.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like CO01, CO02, CO02, CO02, AC05, AC05, AC05, AC04, AC04, AROD, AROD, ACCV, ACCV, DOCA, DOCA, G003, G003, G003, AC06, AC06, RTLS, RTLS, VA03, VA03, VA01, VA01, ROCH, ROCH, ROCH, ROCH, ROCH, PEL, PEL, MT02, MT02, MT02, H13M, ASAL, AC02, AC02, AVFE, AVFE, AVFE, AVFE, MT01, MT01, MT01, AACL, AACL, BO01, BO02, BO02, CATAC, SNET, GCG, IDC, ISC, Code, Station Name, Az, Az, Phase ID, Time Res, h, m, s, ISC.

1089

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like PMON, MRL, MTO3, etc.

MOS 17 14:50:35.9, 1.2, 55.98N, 114.01E, h9km, mb3.7/1, Error ellipse: s-maj=12.6km s-min=8.6km az=70.0

BYKL 17 14:50:36.8, 0.1, 56.07N, 113.88E, h7km, 3km

IDC 17 14:50:37.4, 1.9, 55.91N, 114.00E, h0km, mb3.3/4, mbmp3.57, ML3.6/3, MS3.5/2, Error ellipse: s-maj=33.6km s-min=21.0km az=124.0

ISC 17 14:50:36.6, 0.5, 56.04N, 113.91E, 0.02, h10km, n66, s301/129, mb3.3/4, 5C-10D, East of Lake Baykal

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like SVKR, UKT, NLYR, YOA, KMO, etc.

2018 APR

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like CRS, KHNH, VITM, etc.

17d 15h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like KPC, LSTR, IRK, etc.

17d 15h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like VA01 Torpederas, ROCH El Roble, ROC1 El Roble, CO02 Combarbal, etc.

IDC 17:15:21:49.9,1.9,21.62N,143.32E, h268km, 17km, mb3.3/16, mbtmp4,0/19, Error ellipse: s-maj=17.4km s-min=11.9km az=87.0
NEIC 17:15:21:49.3,1.4,21.61N,143.3E,0.2,h260km,9km, mb4.0/31, Error ellipse: s-maj=25.8km s-min=14.7km
ISC 17:15:21:48.0,0.6,21.56N,143.3E,0.1,h250km,n57, s=83.0, s084/61,mb4.0/32, Mariana Islands region

2018 APR

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MJAR Matsushiro Arr, MJAR Natsuke, KSRS Korea Array, etc.

JMA 17:15:25:38.4,0.3,23°N,122°E,0.9,h50km,MV3.6/18, FAR S OFF ISHIGAKIUMA
TAP 17:15:25:40.8,22.71N,122.84E,h70km,ML3.6,2
ISC 17:15:25:36.1,1.5,22.70N,122.90E,0.03,122.90E,0.03,8hkm,11km, n147, s123/277, 1D, Taiwan region

1090

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like FULB Fuli, HGSD Fuli, EYUL Fuli, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like ROSARIO DO SUL, EXTREMA, TUNCA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like YKA Yellowknife Arr, KEV Kevo, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like ETL Fush Village, ETL Shoufeng, SHUL Shoufeng, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SSSL, SMLT, TYC, YULB, LIOB, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JMA, JYNG, IRIF, etc.

IDC 17 16:27:29.1±2.5, 7.49S; 119.16E, h282km±22km, mb3.3/9, mbTpd4.0/11, Error ellipse: s-maj=79.1km s-min=9.4km az=54.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PLAI, EDFI, BASI, etc.

IDC 17 16:29:46.9±1.4, 37.17N; 31.84E, h0km, mb3.5/4, mbTpd3.6/5, ML 1.9/1, Error ellipse: s-maj=37.0km s-min=18.5km az=121.0

AFAD 17 16:29:48.1±0.0, 37.04N; 31.97E, h12km±2km, ML2.8

ISK 17 16:29:48.3±0.0, 37.07N; 31.95E, h6km, ML3.4/40

NIC 17 16:29:50.8±0.0, 36.87N; 31.91E, h9km±3km, ML3.2/9

ISC 17 16:29:48.6±1.0, 37.07N; 0.02±31.95E±0.02, h10km±7km, n74, c080/92, mb3.6/4, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KEPZ, SEYD, KONYA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BASM, SHUT, GOLH, etc.

MDD 17 16:39:53.1±0.8, 39.01N; 11.03W, h52km±34km, Mb4.0/16, Error ellipse: s-maj=7.1km s-min=3.5km az=84.0

IGIL 17 16:39:54.1±39.01N; 11.03W, h33km, ML2.9

INMG 17 16:39:55.2±1.1, 39.39N; 11.15W, h24km, ML2.4, Error ellipse: s-maj=4.9km s-min=2.0km az=86.0

CNRM 17 16:39:59.9±38.45N; 10.50W, h68km

ISC 17 16:39:50.7±2.4, 38.97N; 11.03W±0.09, h34km±3km, n71, c222/121, 15C-1D, Azores-Cape St. Vincent Ridge

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BASM, SHUT, GOLH, etc.





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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for Douglas, NEIC 17 16:58:36.0,2.5, 43.63N, 105.105W, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for NEIC 17 17:12:30.7, 0.7, 36.70N, 0.01, 98.43W, etc.

2018 APR

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for ELIS, CSTR Hydro, Custer, Liberty Lake, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for HHAR Hobbs, DKNS Dickens, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for NEIC 17 17:12:30.8, 0.7, 36.70N, 0.01, 98.43W, etc.

17d 17h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for OK033 Mehan, OK033 S. Brethren Rd, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for IDC 17 17:37:08.7, 9.9, 21.27N, 145.09E, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for FAKI Fak Fak, BANI Bandanaira, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for FAKI Fak Fak, BANI Bandanaira, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for IDC 17 17:51:38.2, 2.6, 4.56S, 129.80E, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for IDC 17 17:56:59.8, 1.4, 24.51S, 179.90E, etc.

17d 19h

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Rows include stations like PINNC Pines Island, QUENC Owen Island, DZM Mont Dzumac, etc.

17D 17:18:44:04.2.26.0.21'60N,143.52E,h330km,mb3.6/6, mb3.0/6,mbmp3.7/6, Error ellipse: s-maj=68.0km s-min=28.3km az=55.0

17D 17:18:44:05.2.1.3.21'6N,102.143'SE,0.4,h350km,n6, 0522'6,mb3.4/6,Mariana Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Rows include stations like WRA Warramunga Arr, MKAR Makanchi Arr, KURBB Kurchatov Arr, etc.

17D 17:18:57:14.0.1.6, 12.46N,142.19E,h0km,mb3.6/6, mbmp3.6/6, Error ellipse: s-maj=43.3km s-min=32.6km az=96.0

2018 APR

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Rows include stations like DAV Davao City (W), DAV Davao City (E), WRA Warramunga Arr, etc.

MOS 17 19:18:57:5.1.0.46'72N,152.09E,h138km,mb3.9/1, Error ellipse: s-maj=27.4km s-min=10.8km az=47.5

SKHL 17 19:18:58.0.2.0.46'60N,152.20E,h136km,5km,mb4.8/6, msh5.4/6

17D 17:19:04.0.1.0.46'N,5.15'E, h177km, MV3.7/13, KURILE ISLANDS REGION

ISC 17 19:18:58.8-0.9,46.7N,0.1x152.0E:0.1,h150km,n41, 029249/48,mb3.5/4,Kuril Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Rows include stations like KUR Kuril'sk, SHO Shikotan, SKR Severo-Kuril's, etc.

RUSJ Misakicho 5.37 244 ePN Pn 19 20 19.9 +2.8

NEM2 Nemuro 2 5.50 235 eP Sn 19 20 18.5 -0.3

NMR Nemuro-Hokkai 5.50 236 eP Sn 19 21 17.2 -0.4

NJR Nemuro-Hokkai 5.50 236 eP Sn 19 21 16.6 -0.7

PAU Rausu 5.54 243 eS Pn 19 20 20.5 +1.3

PAU Pauzhetka 5.77 32 eP AMB AMB 19 20 22.4 0.0

PAU Rausu 5.54 243 eS Pn 19 21 24.1 -3.6

PAU Pauzhetka 5.77 32 eP AMB AMB 19 20 22.4 0.0

PAU Rausu 5.54 243 eS Pn 19 21 24.1 -3.6

PAU Pauzhetka 5.77 32 eP AMB AMB 19 20 22.4 0.0

PAU Rausu 5.54 243 eS Pn 19 21 24.1 -3.6

PAU Pauzhetka 5.77 32 eP AMB AMB 19 20 22.4 0.0

PAU Rausu 5.54 243 eS Pn 19 21 24.1 -3.6

PAU Pauzhetka 5.77 32 eP AMB AMB 19 20 22.4 0.0

PAU Rausu 5.54 243 eS Pn 19 21 24.1 -3.6

PAU Pauzhetka 5.77 32 eP AMB AMB 19 20 22.4 0.0

PAU Rausu 5.54 243 eS Pn 19 21 24.1 -3.6

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Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Rows include stations like AKASG Malin Array Be, ASAR Alice Springs, TXAR Lajitas Array, etc.

NEIC 17 19:23:10.4.2.1.56'10N,0.08'148.50W,0.10,h10km,2km, ML3.6/52,ML3.4/AEIC, Error ellipse: s-maj=13.3km s-min=9.0km az=165.0

AEIC 17 19:23:15.8.1.4.56'14N,0.09'148.6W,0.1, h8km,7km, Error ellipse: s-maj=12.7km s-min=8.5km az=167.0

ISC 17 19:23:10.4.1.1.56'21N,0.09'148.52W,0.05,h10km, n181, 0163/180, Gulf of Alaska

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Rows include stations like KDAA Kodiak Island, OHAK Old Harbor, SYI Sitkinak Island, etc.



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like M27K Edge Creek, LOGN Logan Glacier, H21K Melozitna Rive, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BBGH Gun Hill, B3CH Barbados, SLCB Barbados, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KK31 Karatay Array, KK31 Karatay Array, KKAR Karatay Array, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JKH Ishinomakikobu, JIO Ouri, OFUJ Ofunato, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, H1S3 WAKE ISLAND Hy, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ZALV Zalesovo Beam, ZALV Zalesovo Beam, GNI Garni, etc.

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ARSB Arslan, THN Thein Dam, THN Thein Dam, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MORC Moravsky Borou, MORC Moravsky Borou, ARCES ARCES Array, etc.



17d 19h

Table with columns for station ID, name, coordinates, and other details. Includes stations like J18K Innoko River, S31K Pelican, BMRM Bremner River, etc.

2018 APR

Table with columns for station ID, name, coordinates, and other details. Includes stations like MENT Mentasta, G18K Tagagawik, G18K Tagagawik, etc.

1100

Table with columns for station ID, name, coordinates, and other details. Includes stations like PRP Porcupine Dome, PRP Porcupine Dome, M31M Drury Creek, etc.

Table with columns: Code, Station Name, Az, El, P, S, B, T, R, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z. Includes stations like Stokes Point, Inuvik, Cedar Bluff, Liberty Lake, etc.

Table with columns: Code, Station Name, Az, El, P, S, B, T, R, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z. Includes stations like Voineasa-Covas, Moxa, Keskin Array B, etc.

Table with columns: Code, Station Name, Az, El, P, S, B, T, R, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z. Includes stations like WSL, WTK, WTK, ALS, ALS, CHN8, etc.







17d 20h

Table with columns for station name, frequency, power, and other technical details. Includes stations like SMRT, SVN, PCXM, BAMB, GBMF, etc.

2018 APR

Table with columns for station name, frequency, power, and other technical details. Includes stations like LVC, TXAR, MSTX, VHRN, ULM, CPUP, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like K29M, SOKA, H29M, E29M, DAWY, etc.

SJA 17:20:37.06:0.8,21'23S:69'77W,h2km,2km,ML3.2, MW3.5
GUC 17:20:37.07:0.7,21'23S:69'73W,h2km,2km,ML3.0
ISC 17:20:37.07:5.1,3,21'23S:02.69:81W+.05,h83km,6km, n36,+056/66,3C-6D,Northern Chile

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and other technical details. Includes stations like PB02, PB01, PATCX, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for IPOC Station P, Chusmiza, Limon Verde, and various other stations.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for Peninsula, Logan Glacier, White Mountain, and other stations.

NEIC 17:20:51:04.2,0.8,21.1S:0.1x170.5E:0.1, h143km, 12km, mb4.2/7, Error ellipse: s-maj=21.6km s-min=15.7km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for MARE, Loyalty, LIFENC, LIFOU, and other stations.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for WARRAMUNGA ARR, WARRAMUNGA ARR, and other stations.

IDC 17:20:41:11.1,2.1,0.88N:125.97E, h0km, mb3.4/3, mbmp3.5/3, Error ellipse: s-maj=170.0km s-min=28.1km

DJA 17:20:41:14.0,0.4,1.1N:6.12E, h10km, M3.3/6, h10km, M3.3/6

ISC 17:20:41:16.8,1.1,0.56N:109.125,98E:0.06, h44km, n9, z207/9, mb3.6/3, Northern Molucca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for TERTATE, LABUHA, CIBINONG, and other stations.

AEIC 17:20:41:14.2,2.4,56.0N:0.1x149.63W:0.09, h1km, 8km, Error ellipse: s-maj=16.1km s-min=4.3km az=158.0

NEIC 17:20:41:39.9,2.0,56.12N:0.08:149.7W:0.1, h10km, 2km, ML3.1/42, ML2.9(AEIC), Error ellipse: s-maj=14.6km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for OHAK, KODIAK, SITKINAK ISLAND, SHUYAK ISLAND, and other stations.

AS31 Alice Springs 33.68 259 P Iamb P 20 57 32.3 -0.5

ASAR Alice Springs 33.69 259 P P 20 57 32.3 -0.4

FITZ Fitzroy Crossi 42.08 266 P P 20 58 43.1 0.0

PSA00 Pilbara Seismi 46.82 260 P P 20 59 20.9 +0.1

NWAO Narrogin (SRO) 48.25 244 P P 20 59 31.5 -0.2

QSPA South Pole Qui 68.88 180 P Iamb P 21 01 53.6 -0.4

CMAR Chiang Mai Arr 80.21 284 P P 21 03 02.3 +2.2

SNA4 Sanae 87.26 182 P P 21 03 33.8 -1.2

EKA Eskdalemeir Arr 145.56 353 PKPbc PKPdf 21 10 25.9 +0.2

GERES GERES Array B 146.68 331 PKPbc PKPbc 21 10 29.9 0.0

DAVOX Davos/Dischmat 149.92 333 PKPbc PKPbc 21 10 38.9 +0.3

NEIC 17:20:53:45.7, 1.4, 55.67N:0.09:149.33W:0.09, h10km, 7km, mb4.0/2, ML3.9/46, ML3.7(AEIC), Error ellipse: s-maj=12.6km s-min=7.7km az=173.0

IDC 17:20:53:46.2, 1.2, 55.71N:149.19W, h0km, mb3.6/13, mbmp3.7/19, ML3.6/6, MS3.4/2, Error ellipse: s-maj=25.2km s-min=20.9km az=177.0

AEIC 17:20:53:51.1, 1.4, 55.74N:0.08:149.3W:0.1, h11km, 7km, Error ellipse: s-maj=12.0km s-min=8.4km az=166.0

ISC 17:20:53:47.5, 0.7, 55.85N:0.07:149.32W:0.05, h10km, n308, s1913/320, mb3.8/13, Gulf of Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for OHAK, KODIAK, SITKINAK ISLAND, SHUYAK ISLAND, and other stations.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for HOMER, SEWARD, SEWARD, and other stations.

O20K Slope Mountain 4.60 339 Pn Pn 20 54 56.9 -0.1

ILSW Ilamna Southw 4.62 335 Pn Pn 20 54 57.1 -0.3

IVE Ilamna Volcan 4.62 336 Pn Pn 20 54 57.0 -0.4

O22K Cooper Landing 4.65 358 P Pn 20 54 58.3 +0.6

SLKM Skiklak Lake 4.70 355 Pn Pn 20 54 57.9 -0.5

P18K Big Mountain 4.77 321 P Pn 20 54 58.3 -1.1

HIN Hinchinbrook I 4.80 17 Pn Pn 20 54 59.9 +0.1

HIN Hinchinbrook I 4.80 17 Pn Pn 20 55 55.5

HIN Hinchinbrook I 4.80 17 Pn Pn 20 55 53.0 -2.4

KAIM Kayak Island 4.85 31 P Pn 20 55 00.7 +0.2

KAIM Kayak Island 4.85 31 P Pn 20 55 00.5 0.0

RSO Redoubt South 4.97 340 Pn Pn 20 55 02.7 +0.4

EYAK Cordova Ski Ar 5.08 20 P Pn 20 55 04.1 +0.6

EYAK Cordova Ski Ar 5.08 20 P Pn 20 55 04.0 +0.4

EYAK Cordova Ski Ar 5.08 20 P Pn 20 55 59.5 -2.6

EYAK Cordova Ski Ar 5.08 20 P Pn 20 55 59.5 +2.6

P17K Kvichak River 5.10 314 Pn Pn 20 55 04.2 +0.4

O18K Kaktuh Hills 5.10 324 Pn IAML 20 55 04.0 +0.1

O18K Kaktuh Hills 5.10 324 Pn Pn 20 55 03.0 -0.9

O19K Chignik 5.11 331 Pn Pn 20 55 04.3 +0.4

CHGN Chignik 5.12 279 Pn IAML 20 55 03.5 -0.6

FID Port Fidalgo 5.14 16 Pn Pn 20 55 04.2 -0.2

FID Port Fidalgo 5.14 16 Pn Pn 20 56 00.2

SUCK Suckling Hills 5.16 33 Pn Pn 20 55 04.8 +0.1

SUCK Suckling Hills 5.16 33 Pn Pn 20 55 05.4

RAGM Ragged Mountai 5.17 26 Pn Pn 20 55 05.3 +0.4

GLI Glacier Island 5.18 12 Pn IAML 20 55 05.3 +0.3

NICHA Nichawak Mount 5.24 31 Pn Pn 20 55 06.2 +0.5

HMT Hamilton 5.24 29 Pn Pn 20 55 06.4 +0.2

GOAT Goat Mountain 5.33 25 Pn Pn 20 55 07.8 +0.7

FIS Fire Island 5.34 355 Pn Pn 20 55 08.3 +1.2

BERG Berg Lake 5.44 31 Pn Pn 20 55 07.7 -0.9

GRIN Grindline Hill 5.47 33 Pn Pn 20 55 09.4 +0.5

SRN Sunshine Point 5.54 36 Pn Pn 20 55 10.1 +0.1

SKN Spur Chakacha 5.58 345 Pn Pn 20 55 12.7 +0.4

KNK Knik Glacier 5.60 4 Pn Pn 20 55 10.5 -0.3

KHIT Khitrov Hills 5.62 32 Pn Pn 20 55 11.0 0.0

N19K Bonanza Creek 5.68 333 Pn Pn 20 55 11.0 -0.8

SUA Susitna One 5.68 353 Pn Pn 20 55 12.5 +0.5

BMRM Bremner River 5.70 24 P Pn 20 55 12.7 +0.5

WAX Waxell Ridge 5.75 34 Pn Pn 20 55 13.0 +0.2

PMR Palmer 5.76 1 Pn Pn 20 55 13.6 +0.7

BARB Barkley Ridge 5.83 36 Pn Pn 20 55 14.2 +0.4

MESA MESA 5.85 39 Pn Pn 20 55 15.0 +0.1

MESA MESA 5.85 39 Pn Pn 20 55 14.6 +0.4

17d 21h

Table with columns: ID, Name, Time, Az, El, P, S, Az, El, P, S, Az, El, P, S. Lists various stations and their coordinates.

2018 APR

Table with columns: ID, Name, Time, Az, El, P, S, Az, El, P, S, Az, El, P, S. Lists various stations and their coordinates.

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Table with columns: ID, Name, Time, Az, El, P, S, Az, El, P, S, Az, El, P, S. Lists various stations and their coordinates.



17d 21h

S14K	Fog Glacier	22.15	68	P	P	22 00 32.4 +1.5
N16K	Nishlik Lake	22.21	56	P	P	22 00 32.4 +0.9
CHNA	Chernabura Isl	22.43	71	P	P	22 00 34.3 +0.5
JSD	Sado	22.50	235	P	P	22 00 34.9 +0.2
JSD	comp-Z,34nm,0.7s		IAmb	IAmb		
K17K	Iditarod	22.53	51	P	P	22 00 35.9 +1.1
K17K	Iditarod	22.53	51	P	P	22 00 36.1 +1.1
E18K	Tukpahlearik C	22.54	38	P	P	22 00 35.3 +0.4
O16K	Kokwok River B	22.57	59	P	P	22 00 36.6 +1.3
P16K	Nushagak River	22.65	60	P	P	22 00 37.0 +0.8
F18K	Selawik	22.66	40	P	P	22 00 36.8 +0.7
MDJ	Mudanjiang	22.73	259	P	P	22 00 35.4 -1.6
MDJ	SS		Sn			22 05 16.1 +1.7
MDJ	ScP		PcS			22 08 05.0 +3.6
MDJ	PcS		PcS			22 08 07.1 +0.7
MDJ	ScS		ScS			22 11 49.0 +2.2
MDJ	comp-Z,9.0nm,0.8s		pmax	pmax		
MDJ	comp-Z,290nm,3.7s		LR	LR		
MDJ	comp-Z,270nm,10.7s		LR	LR		
MDJ	comp-Z,250nm,14.2s		LR	LR		
MDJ	comp-Z,430nm,16.8s		P	P		22 00 35.5 -1.6
MDJ	Mudanjiang	22.73	259	P	P	22 00 37.8 +0.5
C18K	Utukok River	22.77	35	P	P	22 00 37.2 -0.7
C18K	Utukok River	22.77	35	P	P	22 00 37.2 -0.7
CHGN	Chignik	22.78	67	P	P	22 00 38.4 +0.9
H18K	Honhosa River	22.84	44	P	P	22 00 38.2 +0.2
B18K	Kokolik River	22.85	33	P	P	22 00 37.8 -0.3
M17K	Holitna River	22.86	54	P	P	22 00 39.6 +1.3
M17K	Holitna River	22.86	54	P	P	22 00 39.9 +0.5
G18K	Tagagawik	22.87	42	P	P	22 00 38.4 0.0
TIXI	Tiksi	22.91	334	P	P	22 00 36.7 -2.0
TIXI	comp-Z,17nm,0.6s		IAmb	IAmb		22 00 40.1
TIXI	Tiksi	22.91	334	P	P	22 00 37.0 -1.7
TIXI	comp-Z,13nm,0.6s,baz=128,slow=11,SNR=64		PcP	PcP		22 04 28.5 +1.0
TIXI	comp-Z,5.0nm,0.3s,baz=124,slow=3.4,SNR=8.2		S	S		22 04 41.0 -4.1
TIXI	comp-Z,0.7nm,0.2s,baz=153,slow=4,SNR=1.0		LR	LR		22 10 44.8
TIXI	comp-Z,403nm,18.6s,baz=129,slow=40					
TIXI	comp-Z,13nm,0.6s					
TIXI	Tiksi	22.91	334	P	P	22 00 36.7 -2.0
N17K	Nushagak Hills	22.99	56	P	P	22 00 39.9 +0.3
O17K	Kolliganek Bris	23.06	58	P	P	22 00 45.0 +0.2
L18K	Granite Mounta	23.24	52	P	P	22 00 42.9 +0.8
J18K	Innoko River	23.31	49	P	P	22 00 43.9 +1.1
BNX	BinXian	23.39	264	P	P	22 00 42.1 -1.6
BNX	comp-Z,45nm,1.2s		pmax	pmax		22 04 53.5 +0.1
BNX	comp-Z,120nm,4.9s		LR	LR		
BNX	comp-Z,190nm,15.6s		LR	LR		
BNX	comp-Z,300nm,15.3s		LR	LR		
GCSA	Galena City Sc	23.39	46	P	P	22 00 44.0 +0.5
F19K	Shalerucik Mo	23.44	40	P	P	22 00 44.4 +0.5
F19K	Shalerucik Mo	23.44	40	P	P	22 00 44.6 +0.7
P17K	Kvichak River	23.44	60	P	P	22 00 44.8 +0.7
C19K	Lookout Ridge	23.48	34	P	P	22 00 45.0 +0.6
G19K	Purcell Mounta	23.55	42	P	P	22 00 45.8 +0.8
TTA	Tatalina	23.59	50	P	P	22 00 45.6 0.0
N18K	Kilae Creek	23.62	56	P	P	22 00 46.5 +0.6
M18K	Stony River	23.64	54	P	P	22 00 45.9 -0.1
H19K	Roundabout Mou	23.69	44	P	P	22 00 46.3 -0.1
MAJO	Matsushiro	23.71	233	P	P	22 00 47.0 +0.1
MAJO	Matsushiro	23.71	233	P	P	22 00 48.6 +1.7
MAJO	comp-Z,47nm,0.7s		pmax	pmax		22 00 47.4 +0.6
MJAR	Matsushiro Arr	23.71	233	P	P	22 00 47.4 +0.6
MJAR	comp-Z,9.6nm,0.7s,baz=14,slow=12,SNR=29		LR	LR		22 10 24.0
D19K	Kuna River	23.77	36	P	P	22 00 47.2 +0.1
D19K	comp-Z,44nm,1.4s		IAmb	IAmb		22 01 03.3
D19K	Kuna River	23.77	36	P	P	22 00 47.3 +0.1
E19K	Redstone River	23.80	39	P	P	22 00 47.9 +0.5
J19K	Poorman	23.85	48	P	P	22 00 48.0 +0.1
O18K	Koktuh Hills	24.01	58	P	P	22 00 48.9 -0.5
L19K	White Mountain	24.10	52	P	P	22 00 49.9 -0.3
F20K	Avaraat Lake	24.27	40	P	P	22 00 52.4 +0.6
F20K	Avaraat Lake	24.27	40	P	P	22 00 51.1 -0.6
N19K	Bonanza Creek	24.31	56	P	P	22 00 52.8 +0.6
M19K	Big River Lodg	24.32	53	P	P	22 00 52.7 +0.5
H20K	Anotleneega Mo	24.34	44	P	P	22 00 52.0 -0.5
D20K	Etlvuk River	24.36	36	P	P	22 00 52.1 -0.5
E20K	Nigu River	24.39	37	P	P	22 00 52.3 -0.6
CHIR	Chirikof Islan	24.41	68	P	P	22 00 54.5 +1.5
I20K	Naaghedeneel	24.42	46	P	P	22 00 53.5 +0.4
O19K	Port Alsworth	24.43	57	P	P	22 00 54.3 +1.1
K20K	Telida	24.49	49	P	P	22 00 54.9 +1.1
J20K	Nowinta River	24.51	47	P	P	22 00 54.9 +1.0
L20K	Farewell, AK	24.56	51	P	P	22 00 55.1 +0.7
B20K	Meade River	24.59	33	P	P	22 00 55.2 +0.6
B20K	Meade River	24.59	33	P	P	22 00 56.0 +1.4
IMAR	Indian Mountai	24.87	43	P	P	22 00 58.7 +1.6
JGF	Kuroka	24.88	233	P	P	22 00 58.6 +1.1
Q19K	Cape Douglas,	24.90	60	P	P	22 00 58.7 +1.2
M20K	Styx River	24.92	53	P	P	22 00 59.2 +1.4
P19K	Oil Pt	25.02	58	P	P	22 01 00.2 +1.5
SII	Sitkinak Islan	25.03	66	P	P	22 00 59.8 +1.1
G21K	Allakaket	25.04	42	P	P	22 00 59.7 +0.9

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C21K	Knifeflader Rid	25.12	35	P	P	22 00 59.6 +0.1
F21K	Alatna River	25.16	40	P	P	22 01 01.0 +1.1
H21K	Melozitna Rive	25.21	44	P	P	22 01 01.3 +1.0
E21K	Killik River	25.23	37	P	P	22 01 01.0 +0.5
INU	Inuyama	25.24	233	P	P	22 01 01.7 +0.9
INU	comp-Z,28nm,0.8s		IAmb	IAmb		22 01 18.5
O20K	Slope Mountain	25.28	57	P	P	22 01 02.2 +1.2
CHUM	Lake Minchumim	25.30	48	P	P	22 01 02.0 +1.0
B21K	Ikpikpuk River	25.31	34	P	P	22 01 02.2 +1.1
PPLA	Turkeypile	25.34	50	P	P	22 01 02.0 +0.4
OHAK	Old Harbor	25.37	64	P	P	22 01 02.3 +0.5
CAST	Castle Rocks	25.39	49	P	P	22 01 02.7 +0.7
N20K	Mount Spurr	25.39	54	P	P	22 01 02.7 +0.6
I21K	Tanana	25.51	45	P	P	22 01 03.3 +0.4
Q20K	Shuyak Island	25.59	60	P	P	22 01 05.7 +1.9
A22K	Sinclair Lake	25.62	31	P	P	22 01 05.2 +1.2
CN2	Changchun	25.63	262	eP	S	22 01 02.4 -1.8
CN2	comp-Z,10.0nm,1.2s		pmax	pmax		22 05 25.6 -3.6
CN2	comp-Z,100nm,14.0s		LR	LR		
CN2	comp-Z,160nm,14.0s		LR	LR		
CN2	comp-Z,300nm,14.0s		LR	LR		
KDAK	Kodiak Island	25.64	62	P	P	22 01 05.1 +0.9
SKT	Skwentna	25.67	53	P	P	22 01 06.1 +1.6
F22K	John River	25.71	40	P	P	22 01 05.8 +1.0
D22K	Aiyikyak River	25.79	37	P	P	22 01 06.9 +1.4
D22K	Aiyikyak River	25.79	37	P	P	22 01 06.7 +1.1
H22K	Ishtalitna Cre	25.82	44	P	P	22 01 07.3 +1.5
HOM	Home	25.82	58	P	P	22 01 07.7 +1.8
G22K	Bettles	25.88	41	P	P	22 01 07.7 +1.4
BPaw	Bear Paw Mtn.	25.89	48	P	P	22 01 07.3 +0.9
B22K	Teshkepuk Lake	25.91	33	P	P	22 01 07.4 +0.9
E22K	Anaktuvuk Pass	25.95	38	P	P	22 01 07.7 +0.7
MLY	Manley	26.03	46	P	P	22 01 08.1 +0.3
TRF	Thorofare Moun	26.20	49	P	P	22 01 10.4 +1.0
HIA	Hailar	26.22	277	P	P	22 01 08.2 -1.4
HIA	comp-Z,13nm,0.6s		IAmb	IAmb		22 01 10.9
HIA	Hailar	26.22	277	P	P	22 01 08.2 -1.4
CUT	Chullitna	26.24	52	P	P	22 01 11.0 +1.4
BRSE	Bradley Lake S	26.27	58	P	P	22 01 10.8 +0.9
COLD	Coldfoot	26.43	41	P	P	22 01 11.0 -0.3
G23K	Bananza Creek	26.44	42	P	P	22 01 10.7 -0.7
D23K	Nanushuk River	26.52	37	P	P	22 01 11.3 -0.8
H23K	Yukon River	26.57	44	P	P	22 01 11.8 -0.8
RC01	Rabbit Creek A	26.60	54	P	P	22 01 12.2 -0.7
I23K	Minto, Yukon-K	26.61	45	P	P	22 01 12.8 -0.1
O22K	Cooper Landing	26.67	56	P	P	22 01 13.3 -0.2
C23K	Iklikik River	26.72	35	P	P	22 01 12.3 -1.5
NEA2	Nenana	26.73	47	P	P	22 01 13.5 -0.5
E23K	Chanadar	26.76	39	P	P	22 01 13.6 -0.8
MCK	McKinley	26.80	48	P	P	22 01 14.0 -0.6
SEW	Seward	26.86	57	P	P	22 01 15.1 0.0
TOLK	Toolik Lake Re	26.86	38	P	P	22 01 14.8 -0.4
WAT1	Susitna Watana	27.01	50	P	P	22 01 16.0 -0.6
KNK	Knik Glacier	27.18	54	P	P	22 01 18.1 0.0
SML	Sawmill	27.19	53	P	P	22 01 17.5 -0.8
D24K	Happy Valley	27.21	37	P	P	22 01 17.7 -0.6
H24K	Noodor Dome	27.25	44	P	P	22 01 18.0 -0.7
C24K	Franklin Bluff	27.34	35	P	P	22 01 19.1 -0.4
F24K	Squaw Lake	27.35	40	P	P	22 01 18.9 -0.7
WAT6	Susitna Watana	27.40	51	P	P	22 01 19.9 -0.3
POKR	Poker Plat Res	27.43	45	P	P	22 01 20.2 -0.1
G24K	Hadweenzic Riv	27.45	42	P	P	22 01 20.4 -0.1
M23K	Glacier View	27.48	53	P	P	22 01 20.9 +0.1
DHY	Denali Highway	27.53	50	P	P	22 01 22.0 +0.6
HDA	Harding Lake	27.65	47	P	P	22 01 22.3 0.0
SCM	Sheep Creek Mo	27.66	53	P	P	22 01 23.3 +0.7
IL31	Ilisar	27.67	46	P	P	22 01 23.5 +1.1
ILAR	Eielson Array	27.67	46	P	P	22 01 22.9 +0.6
ILAR	comp-Z,2.4nm,0.9s,baz=265,slow=8.3,SNR=14		LR	LR		22 13 50.7
ILAR	comp-Z,118nm,18.1s,baz=278,slow=39		LR	LR		
ILAR	comp-Z,2.4nm,0.9s					
ILAR	Eielson Array	27.				



17d 22h

Table with columns: Call sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like GEYT Alibek, GYA0B ALIBECK ARRAY, PBA Port Blair, etc.

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Table with columns: Call sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like MORC Moravsky Berou, MORC Moravsky Berou, MORC Moravsky Berou, etc.

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Table with columns: Call sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like PRED Cave del Predi, FETA Feichten, BNN Bunyan, etc.

ROM 17 22:04:50.5...0.1, 42:564N, 0:004:13.422E, 0:006, h13km, ML1.3/16, AC-5D, Error ellipse: s-maj=0.6km s-min=0.2km az=224.0, Central Italy





17d 23h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like J56A Remsen, CHGO Chibougamau, WLVO Wesleyville, etc.

NEIC 17 23:05:47.7±1.2, 38.06±0.01±97.93W±0.03, h5km, 2km, mb\_Lg2.9/69, Error ellipse: s-maj=3.9km s-min=3.1km az=238.0, Kansas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like R32A Long Quarter, KAN12 Harper NE Stat, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like T25A Trinidad, PLPT Palo Pinto, UALR University of, etc.

IDC 17 23:17:51.8±0.7, 55.09±28.37W, h0km, mb.4.4/5, bmtmp4.5/6, ML5.1±1, MS4.1/25, Error ellipse: s-maj=30.1km s-min=19.8km az=83.0, NEIC 17 23:17:54.0±1.5, 55.15±0.2±110km, 1.0km, mb4.9/32, Error ellipse: s-maj=20.4km s-min=12.7km az=216.0

GCMT 17 23:17:58.0±0.3, 55.22±0.03±27.98W±0.07, h2km, MW5.0/65, Moment Tensor Solution, s21,c23, s85,c105, Duration: 0 Moment tensor: Scale 1.016Nm, Mw=6.3±0.1, Ms=3.5±0.2, Mw-1.1±1.1; Ms-0.2±1.2; Mw-1.1±0.9; Ms-0.6±2.3; Best double couple: M=4.35300±1016 NP1±297.00000°, φ48.00000°, λ97.00000°. Principal axes: T 4.7460, Plg84.0000°, Azm263.0000°; N -0.7850, Plg5.0000°, Azm112.0000°; P -3.9600, Plg3.0000°, Azm22.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 17 23:17:53.1±0.4, 55.11±0.08±28.44W±0.09, h10km, n120, 0.93/94, mb4.8/18, MS4.2/27, 5C-15, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like HOPE Hope Point, VNA1 Neumayer-Stat, VNA3 Neumayer Olym, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like H04S2 CROZET ISLANDS, H04S3 CROZET ISLANDS, LPAZ La Paz, etc.

DSN 17 23:22:47.2±3.1, 27.63N±54.43E, h57km, ML2.7/6, Error ellipse: s-maj=53.0km s-min=18.7km az=26.0, TEH 17 23:22:50.2±2.7, 17N±54.52E, h8km±44km, ML2.9, ISC 17 23:22:50.8±1.1, 27.08N±0.05±54.51E±0.05, h10km, n19, 1941/20, Southern Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like LAR1 LAR, LMD1 Lamer, GENO Geno, etc.

NEIC 17 23:24:17.0±1.5, 11.6N±0.1±141.9E±0.1, h10km, 1km, mb4.5/26, Error ellipse: s-maj=26.6km s-min=17.4km az=121.0, IDC 17 23:24:24.8±2.5, 11.59N±141.96E, h2km±25km, mb3.7/15, bmtmp4.1/17, MS3.6/14, Error ellipse: s-maj=20.1km



17D 23h

Table with columns: Station Name, Frequency, Power, Modulation, and other parameters. Includes stations like COLA College, HNS HongShan, WRH Wood River, etc.

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Table with columns: Station Name, Frequency, Power, Modulation, and other parameters. Includes stations like O16K Kokkov River B, M19K Holtina, SDPT Sand Point, etc.

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Table with columns: Station Name, Frequency, Power, Modulation, and other parameters. Includes stations like YLYR Ulyunghan, NIZB Nizh Angarsk, CRSS Chara, etc.

Table with columns for station call letters, frequency, time, and signal strength. Includes stations like HRMR, CLNS, BGT, KPC, LSTR, IRK, IVK, TLY, HIA, ARS, ZAK, MOY, ORL, ULN, SONM, HEH, YAK, and KRSR.

Table with columns for station call letters, frequency, time, and signal strength. Includes stations like YAK, KLR, HHC, BTO, USRK, ZALV, ZALV, TIXI, NRIK, HNS, MA2, TIA, SEY, and KRSR.

Table with columns for station call letters, frequency, time, and signal strength. Includes stations like KRSR, LZH, KURK, MK31, GOMU, BVAR, BRVK, PETK, JNU, BILL, TARG, TARG, FRU1, AAK, JKH, ARU, GYA, GYA, GYA, GYA, KK31, KK31, PZH, PZH, JOW, BTK, BTK, ABKAR, TNCH, TNCH, TNCH, TNCH, AKTO, KIRV, KIRV, SIMJ, SIMJ, JCJ, APA, APA, QIZ, QIZ, QIZ, QIZ.

18d 1h

Table of station data for 18d 1h, including columns for station name, coordinates, and various parameters like elevation and signal strength.

2018 APR

Table of station data for 2018 APR, including columns for station name, coordinates, and various parameters like elevation and signal strength.

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Table of station data for 1116, including columns for station name, coordinates, and various parameters like elevation and signal strength.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like ISFB, KBD, TBJM, HRA, DOK, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like AGG, AGG, AGG, AGG, AKASG, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like TAM, TAM, TAM, TAM, HHC, etc.

IDC 18 01:17:35.13, 7.4:16S-151:37E, h0km, mb3.3/2, mbmtpp3.2, M52.914, Error ellipse: s-maj=158.4km s-min=48.1km az=18.0, Phase ID

IDC 18 01:25:35.51, 9.6:19S-142:62E, h0km, mb3.6/1, mbmtpp3.5/3, M3.5/2, Error ellipse: s-maj=169.1km s-min=29.0km az=117.0, New Guinea

WEL 18 01:25:46.3:0.9, 34'S:17:179'E:2.9, h312km, 16km, M4.1/12, mb4.6/4, M4.4/2/12, Mw(mb)3.8/4, Error ellipse: s-maj=0.0km s-min=0.0km az=118.3, confirmed, South of Kermadec Islands

IDC 18 01:27:46.6:2.7, 37:65N:72:71E, h118km, 22km, mb3.8/22, mbmtpp4.2/29, Error ellipse: s-maj=18.3km s-min=1.1km az=6.0, BJI 18 01:27:50.5:0.0, 37:77N:72:77E, h166km, mb4.4/8, mb4.8/4, MOS 18 01:27:50.2:1.0, 37:88N:72:77E, h160km, mb4.3/19, Error ellipse: s-maj=6.7km s-min=3.8km az=94.5

18d 1h

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NEIC 18 01:27:51.6:1.9,37.85N,0:06:72.67E:0:09,h161km,6km, mb4.2/32, Error ellipse: s-maj=10.3km s-min=7.9km az=115.0

NMC 18 01:27:51.2:3.2,37.97N:72:31E,h140km,42km,36.6, mpv4.2, Error ellipse: s-maj=29.7km s-min=17.7km az=168.0

ISC 18 01:27:50.0:0.4,37.77N:0:04:72.63E:0:04,h150km,n229, c1566/252,mb4.1/43,32C-23D,Tajikistan

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

Main table of seismic events with columns: ID, Location, Time, Res, ISC, Az, AzC, Phase ID, Time, Res, ISC. Contains detailed event records including station names and coordinates.

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

IDC 18 01:41:02.1:0.2,6.9,20:73S:178:48W,h574km,72km,mb2.9/5, mbmp3.8/5, Error ellipse: s-maj=114.8km s-min=31.2km az=154.0

ISC 18 01:41:02.2:1.9,20:7S:0:7:178:6W:0.4,h587km,n9, c1505/110,mb3.3/5,Fiji Islands region

Table with columns: Code, Station Name, Az, AzC, Phase ID, Time, Res, ISC. Lists seismic stations for the Fiji Islands region.



Table with columns: PDAR, BVAR, AKASG, BRTR, MMAI, Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes station details for Pinedale Array, Borovoye Array, Keskin Array B, and Mount Meron Ar.

CNRM 18 01:45:17.9,37.74N,3.78W,h55km
SFS 18 01:45:26.6,37.05N,2.52W,h2km,ML2.8/12,ML2.8/12
INMG 18 01:45:26.9,1.4,37.01N,2.50W,h12km,3km,ML2.1,Error ellipse: s-maj=2.3km s-min=1.8km az=154.0

Main table listing stations with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ENIJ Nijar, EBER Berja, EQUQ Quentar, ELOR Lorca, Murcia, EQES Quesada, TLOR Lorca, Murcia, EMUR La Murta, EGOR Sierra Gorda, E001A Albudeite (Mur), CART Cartagena, E1002 Yechar (Murcia), EMAL Malaga-Limoner, ETRV Los Montesinos, ETOB Tobarra, EMJG Mont Gurugu, EMIN Mijas, EADA Adamuz, GRANATULA DE C, TAF Taforalt, EVIV Cofrentes, Val, ECAB El Cabril, SMIR Smir Dam, AKLM AKL, ECHE Chera, ESDC Sonseca Array, SAN PABLO San Pablo, UCIM Universidad Co, EMIN Mina Concepcio, E0901 Celadas (Terue), EIBI Ibiza, EMOS Mosqueruela, ETOR Torete, EBAR Barrancos, GUD Guadarrama, EBAQ Badajoz, EPLA Plasencia, PVAQ Vaqueiros, PESTR Estremoz, PMRV Marv??o, MESJ Messejana.

IDC 18 01:46:48.2,8.3,42.02N,142.03E,h0km,mb3.8/6,

mbtmp3.8/6,MS3/1, Error ellipse: s-maj=247.8km s-min=37.5km az=4.0
JMA 18 01:47:04.6,0.1,42.4N,0.4,141.5E,0.5,h127km,1km, MV2.8/3, S OFF TOMAKOMAI
ISC 18 01:47:05.6,0.9,42.40N,0.06,141.54E,0.06,h123km,6km, n21,c0579/27,mb3.6/6,Hokkaido region

Table listing stations for Hokkaido region with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JIAM Iburiatsuma, JNB Noribetsu, JEW Enobori, JKB Kayabe, JB22 Biratori 2, JISS Ishikarishtsu, JYMS Yakumo 2, JNKB Urakawa-nobuka, JOT Umeta, JSH Shimam, JHR Hokuryu, JCH Churui, JOJM Oshimatsumae, JOJM Okushiri-Mats, ZALV Zalesovo Beam, KURBB Kurchatov Arra, KDAK Kodak Island, BVAR Borovoye Array, FINES FINES Array B, HFS Hefofofo, PDAR Pinedale Array.

IDC 18 01:49:07.9,49.0,16.96S,175.10W,h0km,mb4.0/3, mbtmp4.0/3, Error ellipse: s-maj=918.9km s-min=175.8km az=79.0, Tonga Islands

Table listing stations for Tonga Islands with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs.

TAP 18 02:19:32.1,24.55N,122.43E,h69km,ML3.4, C JMA 18 02:19:32.6,0.1,24.1N,122.4E,0.3,h66km,1km, MV2.5/14, NW OFF ISHIGAKIJIMA
ISC 18 02:19:33.0,1.3,24.47N,122.43E,0.02,h63km,7km, n80,c0589/133,Taiwan region

Main table listing stations for Taiwan region with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like E0S2 E0S2, E0S3 E0S3, E0S4 E0S4, JYNG Yonagunijimaku, YOJ Yonaguni jima, YOJ Yonaguni jima, YOJ Yonaguni jima, TWC Suao, EWUT Wuta, ENA Nanau, EAHA Aohua, NDS Dongshan, TWE Neicheng, TIPB Shuangxi, SXH1 Grass Mountain, ENTT Fush Village, ENTT Niudou, ENTT Niudou, FUSB Fushanzhiwuyua, NACB Ninganchiao, NACB Ninganchiao, NACB Nianganchiao, NACB Nianganchiao, LATG Datong, NWF Wu-fen Shan, NWF Wu-fen Shan, WFSB Wu-fen Shan, NDT Datong Townshi, TWD TWD, TWD TWD, NWLW Wulai, NWLW Wulai, TNOU National Taiwa, ET LH Xiulin Townshi, ET LH Xiulin Townshi, NNSB Datong, NNSB Datong.

Main table listing stations for Taiwan region with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like NNS Nan Shan, NNS Nan Shan, TEYL Yanting Villag, TEYL Yanting Villag, YHNB Yeheng, YHNB Yeheng, YHNB Yeheng, ETM Tونغ, ETM Tونغ, NSK Sangung, NSK Sangung, LXIB Xiulin Townshi, LXIB Xiulin Townshi, SHUL Shoufeng, SHUL Shoufeng, SHUL Shoufeng, WHF Hehuan Shan, WHF Hehuan Shan, ESL Shilin, ESL Shilin, TWT Tachten, TWT Tachten, TDCB Tech, TDCB Tech, TDCB Tech, IRIF Iriomote-Funau, IRIF Iriomote-Funau, NFF Wufeng Townshi, NFF Wufeng Townshi, WARBT Fenglin Townsh, WARBT Fenglin Townsh, CHGB Renai, CHGB Renai, CHGB Renai, OWD Renai, OWD Renai, WUSB Renai, WUSB Renai, WUSB Renai, LIOB Emei, LIOB Emei, LIOB Emei, NNST Nanjungan, NNST Nanjungan, HATJ Hateruma jima, HATJ Hateruma jima, HGSD Ruisui, HGSD Ruisui, WHP Taichung City, WHP Taichung City, WHP Taichung City, VWDT VWDT, VWDT VWDT, EHY Hungye, EHY Hungye, ECBN Changbin, ECBN Changbin, ECBN Changbin, JKRS kuro-shima, JKRS kuro-shima, YULB Yu-li, YULB Yu-li, YULB Yu-li, YULB Yu-li, SSSL Suanglung, SSSL Suanglung, SSSL Suanglung, EYUL Yuli, EYUL Yuli, EYUL Yuli, TWF1 Yuli, TWF1 Yuli, TYC Yuch, TYC Yuch, TYC Yuch, JJJ Ishigaki jima, JJJ Ishigaki jima, CHKH Chenggong, CHKH Chenggong, CHKH Chenggong, FULB Ful, FULB Ful, CHKT Chengkung, CHKT Chengkung, JISG Ishigakijimahi, JISG Ishigakijimahi, EHD Haiduan, EHD Haiduan, EHD Haiduan, ALS Altsan, ALS Altsan, EDH Donghe, EDH Donghe, EDH Donghe, ELDT Lidau, ELDT Lidau, WDLH Douliu, WDLH Douliu, WCKO Fanlu, WCKO Fanlu, CHN4 Tsauhsan, CHN4 Tsauhsan, TPUB Ta-pu, TPUB Ta-pu, WTK Tungkang, WTK Tungkang, TWGB Beinan, TWGB Beinan, SLGT Liugu, SLGT Liugu, MASBT Mashibuluo, MASBT Mashibuluo, MASBT Mashibuluo.

JMA 18 02:21:27.0,0.2,25.1N,122.3E,0.4,h63km,3km, MV2.3/12, TAIWAN REGION
TAP 18 02:21:27.9,24.61N,122.17E,h62km,ML3.0, C
ISC 18 02:21:27.3,1.3,24.57N,122.29E,0.03,h62km,6km, n174,c1512/123,Taiwan region

IDC 18 02:21:27.3,1.3,24.57N,122.29E,0.03,h62km,6km, n174,c1512/123,Taiwan region

Table with 4 columns: Station Name, Frequency, Mode, and Signal Quality. Includes stations like EOS2, EOS3, TWC, ESAO, EGS, EWUT, ENA, EHAH, EAHA, EHP, TIPB, TWE, TYE, JYNG, SX11, ENIT, YOJ, FUSB, WFSB, LATG, NDT, ETL, NTOU, NTLW, NWLT, NACB, TWD, ETLH, ETLH, YHNB, NNSB, NNS, NSK, TWY, TEYL, TWS1, NTST, LXIB, SHUL, WHF, TWY, PCYF, NFF, TDCB, ESL, CHGB, LI0B, LI0B, NIOS, WARBT, WARB, OWD, EGFH, EGFH, WUSB.

Table with 4 columns: Station Name, Frequency, Mode, and Signal Quality. Includes stations like WUSB, WHP, WWDV, HGSO, SMLT, TYC, HATJ, YULB, EYUL, TWF1, WHYT, WHYY, JKRS, CHKH, CHKH, FULB, CHKT, JIJ, EHD, ELDOT, EDH, JISG, WCKO, CHN4, CHN4, SLGT.

IDC 18 02:59:50.8, 1.4, 3.67S: 130.85E, h0km, mb4.0/5, mbmp4, 1/6, ML4.2/1, MS3.7/3, Error ellipse: s-maj=58.3km s-min=21.0km az=71.0

Table with 4 columns: Station Name, Frequency, Mode, and Signal Quality. Includes stations like FAKI, BNDI, SWI, NLA1, SAUI, LBMI, SANI, TMTI, SOEI, BATI, WRA, WRA, ASAR, ASAR, STKA, JHH, CMAR, ASAJ, MKAR, KURBB, KADAK.

IDC 18 03:00:26.7, 0.9, 14.71N: 147.46E, h0km, mb4.2/19, mbmp4, 3/20, ML4.6/1, MS3.1/2, Error ellipse: s-maj=22.7km s-min=18.7km az=97.0

Table with 4 columns: Station Name, Frequency, Mode, and Signal Quality. Includes stations like GUMO, H11S3, H11S1, H11S2, H11N1, H11N2, H11N3, JOW, JOW, JOW, FAKI, FAKI, MJAR.

Table with 4 columns: Station Name, Frequency, Mode, and Signal Quality. Includes stations like JUNU, PMG, TJN, USRK, WRA, FITZ, MAZ, CMAR, CMAR, ULN, ULN, SONM, SONM, BBOO, GSI, CLES, LSA, ZALV, MK31, MK31, MKAR, MKAR, H18K, MAKZ, J20K, D19K, D19K, CAST, KTH, KTH, BPWW, BPWW, B20K, TARG, TARG, KURK, KURBB, SML, B21K, B21K, NRIK, NRIK, NRIK, NRIK, D22K, D22K, ILAR, C23K, C23K, D24K, D24K, RIDG, RIDG, GRNC, GRNC, D25K, BMAR, CTGM, CTGM, TABL, TABL, BCAR, LOGN, LOGN, EGAK, EGAK, DRK, DAWY, M29M, D27M, L29M, H29M, N30M, N30M, BRVK, BRVK, K29M, GAR, GAR, M30M, O30N, N31M, CHGR, SIMJ, G31M, N32M, P33M, KAAM, ABKAR, GEYT, YKA.

RES Resolute Bay 82.93 14 P P 03 12 55.9 +1.2
NVAR Mina Array Bea 84.54 52 P P 03 12 59.1 -4.9
ARCES ARCES Array B 86.63 343 P P 03 13 11.1 -2.4
FINES FINES Array B 91.00 336 P P 03 13 33.1 -1.1
TORD Torodi Ar. Bea 135.90 307 PKP PKPpdf 03 19 51.9 -0.2
DBIC Dimbokro 144.95 305 PKPbc PKPbc 03 20 07.6 0.0

ADC 18 03:18:12.5:0.9,34'65N:26'61E,h0km,mb3.9/18,
mbmp3.9/26,ML3.6/7,MS2.6/1,Error ellipse:
s-maj=20.6km s-min=13.5km az=3.0

ATH 18 03:18:16.5:34'50N:26'65E,h5km,1km,ML3.5/12,Error
ellipse: s-maj=3.0km s-min=1.2km az=358.0

ISK 18 03:18:17.1:34'61N:26'57E,h12km,ML3.6/11
THE 18 03:18:18.3:34'62N:26'60E,h0km,2km,ML3.6/6,Error
ellipse: s-maj=4.8km s-min=1.5km az=161.0

AFAD 18 03:18:18.0:0.0,34'48N:26'55E,h40km,34km,MW3.9
ISC 18 03:18:14.9:1.3,34'38N:05'26'E,0.03,h25km,gkm,
n116,c180/140,mb3.9/18,10C-12,Crete

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, Time Res, Res. Includes rows for ZKR, FRMA, KARP, KSTL, IACM, IACM, PRNS, GVD, ARG, SNTS, YAZI, KLN, BODT, TURN, BDRM, APE, APE, APE, APE, MHL0, KSL, KSL, ANKY, ANKY, ANKY, ANKY, SABU.

Table with columns: SABU, SABU, SABU, SMG, ELL, TAVA, TAVA, TAVA, ESEN, DNIZ, DNIZ, VLI, SALP, CHOS, KRAN, DION, CSS, CSS, AGS, LIT, KZIT, MMAI, MMAI, AMAZ, FNA, GEM, BRTR, BRTR, HMDT, YTR, DSJ, MSBI, LISJ, PRNI, ZFR, HRFI, EIL, EIL, ASF, TIP, CEL, CUC, VAE, KBZ, AKAS, GERES, ESDC, GEYT, FINES, HFS, NOA, EKA, TORD, BVAR, KURBB, MKAR, SPITS, ZALV, SONM, SCHO, USRK, KSRS, YKA, ILAR, WRA, ASAR, SONM, WRA, ASAR, STKA, MK31, MK31, MKAR, MKAR, BBOO, BBOO, STKA, STKA, MK31, MK31, MKAR, MKAR, BBOO, BBOO, ZALV, ZALV, KURKB, KURBB, KBL, KBL, CHGR, CHGR, BVAR, BVAR, NRK, NRK, GEYT, GEYT, GEYT, GEYT, ABKAR, ABKAR, MCQ, B20K, B21K, B21K, IMAR, KDAK, KBZ, BRTR, FINES, AKASG, VVDA, YKA, TORD, PLCA, WRA, ASAR, STKA, MKAR.

ADC 18 03:28:12.2:2.5,4.44S:131'29E,h0km,mb3.8/1,
mbmp3.4/3,ML3.4/7,Error ellipse: s-maj=231.1km
s-min=31.0km az=77.0, Banda Sea

ADC 18 03:32:58.4:2.1,2.96N:127'74E,h0km,mb3.7/4,
mbmp3.7/4,Error ellipse: s-maj=152.4km
s-min=27.0km az=66.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, Time Res, Res. Includes rows for IDC, IDC, IDC, DAV, DAV, TOLJ, TOLJ, GUMO, UBPT, UBPT, KSRS, KSRS, CMAR, CMAR, CMAR, CMAR, MJAR, FITZ, WRA, WRA, WB2, WR0, WR0, ASAR, ASAR, ULN, SONM, H1N1, H1N2, H1N3, FORT, FORT, BBOO, BBOO, STKA, STKA, MK31, MK31, MKAR, MKAR, BBOO, BBOO, ZALV, ZALV, KURKB, KURBB, KBL, KBL, CHGR, CHGR, BVAR, BVAR, NRK, NRK, GEYT, GEYT, GEYT, GEYT, ABKAR, ABKAR, MCQ, B20K, B21K, B21K, IMAR, KDAK, KBZ, BRTR, FINES, AKASG, VVDA, YKA, TORD, PLCA, WRA, ASAR, STKA, MKAR, SNET, CATAS, GCG, ISC.



Table listing astronomical observations for 2018 APR. Columns include object names (e.g., MBWA Marble Bar, PSA00 Pilbara Seismi), coordinates (RA, Dec), magnitude (m), phase (P, I, A), and time/resolution details.

Table listing astronomical observations for 2018 APR. Columns include object names (e.g., H04N1 CROZET ISLANDS, BRTR Keskin Array B), coordinates, magnitude, phase, and time/resolution details.

Table listing astronomical observations for 2018 APR. Columns include object names (e.g., JNU Nakatsue, JNU Nakatsue, JNU Nakatsue), coordinates, magnitude, phase, and time/resolution details.





18d 5h

2018 APR

1126

Table with columns for station ID, name, elevation, date, time, and various performance metrics. Includes stations like J19K Poorman, O20K Slope Mountain, G19K Purcell Mounta, etc.

Table with columns for station ID, name, elevation, date, time, and various performance metrics. Includes stations like BRVK Borovoye, B21K Ikipkuk River, B21K Ikipkuk River, etc.

Table with columns for station ID, name, elevation, date, time, and various performance metrics. Includes stations like MCARA McCarthy VSAT, MCARA McCarty VSAT, TGL Tana Glacier, etc.







Table with 4 columns: Call Sign, Station Name, and Frequency. Lists various radio stations across different frequencies, including PAL Palisades, VBA2 Corbin Frederi, VCN2 Neumayer-Watz, and many others.

ADC 18 05:48:17.1 +/- 1.0, 56.38N: 149.25W, h0km, mb3.7/1, mbmp3.6/16, ML3.3/5, MS4.6/2, Error ellipse: s-maj=23.1km s-min=15.3km az=26.0 NEIC 18 05:48:17.6 +/- 1.5, 56.45N:0.10:149.3W:0.1, h18km, 8km, ML3.6/70, ML3.4(AEIO), Error ellipse: s-maj=14.5km s-min=7.0km az=161.0 AEC 18 05:48:20.5 +/- 3.1, 55.43N:0.09:h5km, 7km, Error ellipse: s-maj=13.8km s-min=7.1km az=170.0 ISC 18 05:48:18.7 +/- 0.8, 56.57N:0.07:149.28W:0.04, h10km, n200, r1909/187, mb3.8/11, Gulf of Alaska

Table with columns: Code, Station Name, Phase ID, Time, Res, and ISC. Lists specific station calls and their associated codes, including KDAK Kodiak Island, KDAK Kodiak Island, and OHAK Old Harbor.

Main table with columns: Call Sign, Station Name, Frequency, and other technical details. Lists stations from BRSE Bradley Lake S, BRSE Bradley Lake S, BRSE Bradley Lake S, through various other stations like SSKT Skwentna, VDRD Verde Repeater, O16K Kokkuv River B, etc., including technical parameters like power and mode.

comp=E,0.7nm,0.3s,baz=12,slow=4.6,SNR=1.5  
comp=E,0.7nm,0.3s

CATAC 18 05:53:47.5±0.5,9:28N-80:89W,h10km,ML3.9  
RSNC 18 05:53:47.7±0.4,9:15N-3:8:1W,λ146km,20km,mb5.5,  
ML2.8,MLV3.5  
UPA 18 05:53:47.6±1.7,9:21N-80:77W,h29km,42km,MD3.8,  
MW4.3  
UCR 18 05:53:52.1±2.1,9:31N-80:97W,h35km,645km,MW3.6  
ISC 18 05:53:47.1-1.8,9:20N,04:04-80:74W,0.03,h35km,5km,  
n67,r129/91,4C-5D,Panama

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time (h m s), Res (ISC), and other station-specific data.

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time (h m s), Res (ISC), and other station-specific data.

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time (h m s), Res (ISC), and other station-specific data.

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time (h m s), Res (ISC), and other station-specific data.

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time (h m s), Res (ISC), and other station-specific data.

s-maj=23.0km s-min=12.1km az=57.0  
NEIC 18 06:16:01.9±2.4,5:14N,0:06:82:56W,0:07,h10km,1km,  
mb5.1/479,MW5.4/20,MW5.4/42,Error ellipse:  
s-maj=12.6km s-min=8.8km az=249.0, Moment Tensor:  
Solution. Moment tensor: Scale 10^17Nm; Mr:0.07;  
Mw:0.13; Mw:0.21; Mw:0.04; Mw:1.31; Mw:0.38; Fault  
plane solution: Mo:1.37000e+17 Np1:λ183.39000°,  
δ83.30000°,λ163.75000°. NP2:λ273.89000°,δ73.76000°,  
λ1.77000°. Principal axes: T 1.3454, Plg13.0000°,  
Azmi17.0000°, N 0.0557, Plg74.0000°, Azm358.0000°; P  
1.4011, Plg10.0000°, Azm230.0000°

MOS 18 06:16:02.0±1.2,5:20N,02:58W,h18km,MS5.3/21 Error  
ellipse: s-maj=13.6km s-min=6.9km az=112.4  
NEIC 18 06:16:02.2±1.3N-82:54W,h10km  
RSNC 18 06:16:02.4±0.5,5:2N-2:8:3W,λ1h1km,mb5.6,mb5.5,  
ML4.1,MLV4.9,Mw(MB)5.1,1.MwMwp5.2,Mwp5.5  
NEIC 18 06:16:02.3±1.5N-82:56W,h18km  
NEIC 18 06:16:02.3±1.5N-82:56W,h18km, Moment Tensor  
Solution. Duration: 2:4 Moment tensor: Scale: 10^17Nm;  
Mr:0.08; Mw:0.03; Mw:0.11; Mw:0.12; Mw:1.46; Mw:0.60;  
Fault plane solution: Mo:5.9000e+17 Np1:  
λ179.50000°,δ85.87000°,λ-157.57000°. NP2:  
λ98.780000°,δ67.63000°,λ-4.47000°. Principal axes: T  
1.5224, Plg13.0000°, Azm13.0000°; N 0.0144, Plg0.0000°,  
Plg67.0000°. Azm189.0000°; P -1.5967, Plg19.0000°,  
Azm46.0000°

CATAC 18 06:16:03.4±0.6,5:20N-82:83W,h15km,12km,MB6.2,  
mb6.2,ML6.0  
GCMT 18 06:16:05.9±0.1,5:06N,0:01:82:63W,0:01,h19km,  
MW5.4/146, Moment Tensor Solution. s114,c194;  
s146,c300; Duration: 1s2 Moment tensor: Scale 10^17  
Nm; Mr:0.07±0.02; Mw:0.09±0.02; Mw:0.15±0.02;  
Mw:0.18±0.04; Mw:1.03±0.02; Mw:0.13±0.04; Best double  
couple: Mo:1.55100e+17 Np1:λ93.00000°,δ85.00000°,  
λ7.00000°. NP2:λ2.00000°,δ83.00000°,λ175.00000°.  
Principal axes: T 1.5330, Plg8.0000°; Azm33.0000°; N  
0.0370, Plg81.0000°; Azm17.0000°; P -1.5700,  
Plg1.0000°, Azm227.0000°; nsta1 refers to body waves,  
cutoff=40s. nsta2 refers to surface waves, cutoff=50s.  
Triangular moment-rate function

UPA 18 06:16:06.7±3.4,5:48N-82:41W,h10km,66km,MW5.1,  
Fault plane solution: NP1:λ78.00000°,δ84.00000°,  
λ-6.00000°  
SNET 18 06:16:12.3±0.6,5:76N-82:69W,h15km,ML5.4  
ISC 18 06:16:01.9±0.3,5:10N,0:04:82:55W,0:04,h12km,n966,  
r171/772,mb5.0/253,MS4.6/44,36C-14D, South of

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time (h m s), Res (ISC), and other station-specific data.

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time (h m s), Res (ISC), and other station-specific data.

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time (h m s), Res (ISC), and other station-specific data.

Table with columns: VERB, Verbena, Azimuth (AZ), Res (ISC), and other station-specific data.

Table with columns: OCM, Ochomogo, Azimuth (AZ), Res (ISC), and other station-specific data.

Table with columns: OCM, Santa Teresita, Azimuth (AZ), Res (ISC), and other station-specific data.

Table with columns: OCM, JACO, Garabito, Azimuth (AZ), Res (ISC), and other station-specific data.

Table with columns: OCM, JACO, Garabito, Azimuth (AZ), Res (ISC), and other station-specific data.

Table with columns: OCM, JACO, Garabito, Azimuth (AZ), Res (ISC), and other station-specific data.

Table with columns: OCM, JACO, Garabito, Azimuth (AZ), Res (ISC), and other station-specific data.

Table with columns: OCM, JACO, Garabito, Azimuth (AZ), Res (ISC), and other station-specific data.

Table with columns: OCM, JACO, Garabito, Azimuth (AZ), Res (ISC), and other station-specific data.

Table with columns: OCM, JACO, Garabito, Azimuth (AZ), Res (ISC), and other station-specific data.

IDC 18 06:05:45.1±2.9,5:19N-86:48E,h0km,mbtmp3.2/2,  
ML2.9/2, Error ellipse: s-maj=21.7km s-min=12.6km  
bz=53.0, Southwestern Siberia

IDC 18 06:16:00.9±0.6,5:06N-82:71W,h0km,mb4.5/17,  
mbtmp4.6/23,ML3.9/6,MS4.5/47,Error ellipse:



18d 6h

Table with 5 columns: Station ID, Name, Frequency, Power, and other details. Rows include stations like I42A Draeger Farm, Q24A Divide, GLMI Grayling, etc.

2018 APR

Table with 5 columns: Station ID, Name, Frequency, Power, and other details. Rows include stations like FURAC Furnace Creek, CCAC Calif City Air, S11A Rachel, etc.

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Table with 5 columns: Station ID, Name, Frequency, Power, and other details. Rows include stations like TAOE Nuku Hiva Isla, TAOE comp=Z,2um,29.3s, FRB Froisher Bay, etc.

1133 2018 APR 18d 6h

Table with columns: ID, Name, Coordinates, Status, Date, Time, etc. Includes entries like TABL Table Mountain, J30M Hart River, J30M Hart River, etc.

Table with columns: SEW Seward, SML Sawmill, SML Sawmill, etc. Includes entries like SEW Seward, SML Sawmill, SML Sawmill, etc.

Table with columns: L20K Farewell, O18K Koktuh Hills, D24K Happy Valley, etc. Includes entries like L20K Farewell, O18K Koktuh Hills, D24K Happy Valley, etc.

18d 7h

Table with columns: 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 Spread, Elevation Spread, Azimuth Jitter, Elevation Jitter, Azimuth Skew, Elevation Skew, Azimuth Kurtosis, Elevation Kurtosis, Azimuth Peak, Elevation Peak, Azimuth Trough, Elevation Trough, Azimuth Flatness, Elevation Flatness, Azimuth Slope, Elevation Slope, Azimuth Curvature, Elevation Curvature, Azimuth Concavity, Elevation Concavity, Azimuth Convexity, Elevation Convexity, Azimuth Symmetry, Elevation Symmetry, Azimuth Asymmetry, Elevation Asymmetry, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Spread, Elevation Spread, Azimuth Jitter, Elevation Jitter, Azimuth Skew, Elevation Skew, Azimuth Kurtosis, Elevation Kurtosis, Azimuth Peak, Elevation Peak, Azimuth Trough, Elevation Trough, Azimuth Flatness, Elevation Flatness, Azimuth Slope, Elevation Slope, Azimuth Curvature, Elevation Curvature, Azimuth Concavity, Elevation Concavity, Azimuth Convexity, Elevation Convexity, Azimuth Symmetry, Elevation Symmetry, Azimuth Asymmetry, Elevation Asymmetry.

2018 APR

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Spread, Elevation Spread, Azimuth Jitter, Elevation Jitter, Azimuth Skew, Elevation Skew, Azimuth Kurtosis, Elevation Kurtosis, Azimuth Peak, Elevation Peak, Azimuth Trough, Elevation Trough, Azimuth Flatness, Elevation Flatness, Azimuth Slope, Elevation Slope, Azimuth Curvature, Elevation Curvature, Azimuth Concavity, Elevation Concavity, Azimuth Convexity, Elevation Convexity, Azimuth Symmetry, Elevation Symmetry, Azimuth Asymmetry, Elevation Asymmetry.

1134

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Spread, Elevation Spread, Azimuth Jitter, Elevation Jitter, Azimuth Skew, Elevation Skew, Azimuth Kurtosis, Elevation Kurtosis, Azimuth Peak, Elevation Peak, Azimuth Trough, Elevation Trough, Azimuth Flatness, Elevation Flatness, Azimuth Slope, Elevation Slope, Azimuth Curvature, Elevation Curvature, Azimuth Concavity, Elevation Concavity, Azimuth Convexity, Elevation Convexity, Azimuth Symmetry, Elevation Symmetry, Azimuth Asymmetry, Elevation Asymmetry.



Main data table with columns for station code, name, time, and various parameters. Includes stations like SGSI Sangihe, JAY Jayapura, TABU Tabura, etc.



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2018 APR

18d 7h

Table with columns for station identifier, name, coordinates, status (P, I, A, M, S), elevation, and other metadata. Includes stations like SBA, POIA, BSY, HOQ, UNV, etc.

18d 7h

2018 APR

1138

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like KAIM Kayak Island, BMRM Bremner River, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like I30M Mount Dempster, J30M Hart River, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like 121A Cookes Peak, Q24A Divide, etc.

18d 17: 18:27.9, 3.5, 36°23N: 71°22E, h2km, 29km, mb3.5/11, mbmp3.8/17, ML3.3/5, Error ellipse: s-maj=27.1km s-min=19.7km az=5.0
N18 18:07:18:39.5, 5.6, 37°08N: 71°31E, h217km, 62km, mb2.6, mpv3.7, Error ellipse: s-maj=49.0km s-min=38.7km az=19.0
ISC 18:07:18:33.1, 1.0, 36.68N: 0.09, 70.99E: 0.08, h100km, n24, r194, 30, mb3.7/10, 7C-5D, Hindu Kush region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details like AAK, CHMS, TKM2, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details like ENA, EWUT, EAHA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details like SOEI, SOE, SOE, etc.

NEIC 18 07:47:19.0±0.6, 36°27'8N, 010°19'51W, 0.01, h6km, ML1.9/46, Error ellipse: s-maj=1.4km s-min=1.3km az=181.0, Oklahoma

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details like CROK, OK048, etc.

IDC 18 07:55:30.9±3.5, 16°27'N, 95°94'E, h0km, mb4.1/3, mbtmp2.3kM, ML3.9/1, Error ellipse: s-maj=55.8km s-min=25.2km az=168.0

NEIC 18 07:55:36.4±1.1, 16°77'N, 0°05'95"E, 0.06, h10km, 1km, mb4.2/4, Error ellipse: s-maj=12.1km s-min=6.0km az=126.0

ISC 18 07:55:35.8±0.9, 16°75'N, 0°09'95"E, 0.08, h10km, n22, 170°/24, mb4.2/7, Near south coast of Myanmar

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details like CM31, CMAR, PHRA, etc.

IDC 18 08:15:25.0±0.7, 9°42'S, 124°80'E, h0km, mb4.2/10, mbtmp4.4/13, ML4.7/3, MS3.3/4, Error ellipse: s-maj=18.0km s-min=13.7km az=113.0

NEIC 18 08:15:32.0±2.7, 9°68'S, 0°06'124"E, 0.05, h52km, 8km, mb4.4/12, Error ellipse: s-maj=9.1km s-min=6.1km az=141.0

DJA 18 08:15:31.3±0.4, 10°S, 2°12'E, h20km, 3km, M4.6/20, mb5.1/6, mb4.8/13, MLV4.6/20, Mw(MB)4.5/6

ISC 18 08:15:29.9±0.5, 9°69'S, 0°05'124"E, 0.05, h25km, n83, 176°/84, mb4.4/14, MS3.1/3, Timor region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details like MEEK, COEN, OOD, etc.

JMA 18 07:49:44.7±0.1, 24°3N, 02°123'E, 0.4, h18km, 1km, MV1.1/6, NEAR ISHIGAKIJIMA ISLAND, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details like IRIF, HATERUMA, etc.

IDC 18 08:45:08.0±3.2, 54°19'N, 87°25'E, h0km, mbtmp2.8/2, ML2.5/2, Error ellipse: s-maj=28.5km s-min=20.3km az=48.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details like H46RU, ZALV, etc.

IDC 18 08:45:08.0±3.2, 54°19'N, 87°25'E, h0km, mbtmp2.8/2, ML2.5/2, Error ellipse: s-maj=28.5km s-min=20.3km az=48.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details like H46RU, ZALV, etc.

TAP 18 07:50:14.8, 24°41'N, 121°77'E, h9km, ML1.6, 1C, B, Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details like TAP station.



Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, and various station codes like PANCS, LOMA, PAVA, COEG, TECO, SCLA, PQSS.

SJA 18 09:19:19.1±0.7, 32.93Sx71.35W, h61km, 3m, ML3.4, MW3.6

GUC 18 09:19:20.2±0.8, 32.95Sx71.28W, h65km, 2km, ML3.7

ISC 18 09:19:20.8±1.2, 32.96Sx71.36W, h65km±7km, m48, c087/80, 10C-1D, Near coast of central Chile

Main table listing station data for stations like ROC1, MT02, VA06, PEL, GRJ1, etc., with columns for Code, Station Name, Az, Op, Phase ID, ISC, Time, Res.

Table listing station data for stations like AAGR, ASAL, CO03, AVIZ, etc., with columns for Code, Station Name, Az, Op, Phase ID, ISC, Time, Res.

NEIC 18 09:25:46.6, 6.64Sx129.74E, h170km

NEIC 18 09:25:47.0±1.8, 6.63Sx129.75E±0.04, h162km, 4km, mb5.2/95, Mw4.9/12, Error ellipse: s-maj=8.4km

DJA 18 09:25:46.9±0.1, 7.5Sx129.75E, h175km, 2km, M5.2/95, mb5.4/95, mb5.0/80, MLV5.9/16, Mw(mB)5.1/60, Mw(mwp)4.4/5, Mw4.8/5

MOS 18 09:25:46.8±0.8, 6.62Sx129.79E, h181km, mb5.1/38, Error ellipse: s-maj=11.1km s-min=5.3km az=117.1

IDC 18 09:25:46.8±1.2, 6.72Sx129.76E, h172km, 10km, mb4.6/23, mbmp5.1/25, MS3.5/12, Error ellipse: s-maj=14.2km

NEIC 18 09:25:46.7, 0.04Sx129.94E, h170km, Moment Tensor Solution. Duration: 154 Moment tensor: Scale 10^16Nm; Mn:0.69; Mw:1.07; Mm:0.38; Ml:0.35; Ms:1.75; Mz:2.26;

Fault plane solution: M0:0.30000x10^16 NP1:0.1630000y, 0.8147000z, 1.5148000x, NP2:0.27574000y, 0.3930000z, 1.6646000z. Principal axes: T 3.0447, P14.010000, Azm251.00000; N -0.0286, P16.9830000, Azm23.0000; P 3.0161, P16.260000; Azm136.0000;

GCMT 18 09:25:48.0±0.3, 6.84Sx129.88E±0.02, h174km, 4km, MW5.0/91, Moment Tensor Solution. s16,c16; s91,c116; Duration: 0 Moment tensor: Scale 10^16Nm; Mr:0.31±1.6; Mw:0.8±1.7; Mm:0.5±1.8; Ml:0.50±1.2; Ms:3.0±2.15; Mz:2.5±1.3; Best double couple: M0:0.67000x10^16 NP1:0.80000y, 0.880000z, 1.170000z. Principal axes: T 3.9070, P19.970000; Azm240.0000; N 0.3200, P14.90000; Azm11.0000; P -4.2270, P16.260000; Azm133.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 18 09:25:46.5±0.4, 6.77Sx129.76E±0.04, h173km, 3km, h173km, pP, N587, t1s39/615, Mw5.1/138, 25C-16D, Banda Sea

Main table listing station data for stations like Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, and various station codes like SAU1, SAN1, MTN, etc.

Main table listing station data for stations like SMPI, SPSI, TTSI, MMPI, GENI, etc., with columns for Code, Station Name, Az, Op, Phase ID, ISC, Time, Res.

18h 9h

Table of astronomical observations for 18h and 9h, listing stations like KMBL, LWLI, MORW, etc., with columns for station name, coordinates, and observation details.

2018 APR

Main table of astronomical observations for 2018 APR, listing stations like MOO, YATNC, OUENC, etc., with columns for station name, coordinates, and observation details.

1142

Table of astronomical observations for 1142, listing stations like XLT, XLT, XLT, etc., with columns for station name, coordinates, and observation details.



Table with columns: Station Name, Frequency, Mode, Power, SNR, Azimuth, Elevation, and other parameters. Includes stations like MA2 Magadan, Concordia, Ant, Yakutsk, etc.

Table with columns: Station Name, Frequency, Mode, Power, SNR, Azimuth, Elevation, and other parameters. Includes stations like CHM Chinkent, BRLS Boroladay, OTUK Ortay, etc.

Table with columns: Station Name, Frequency, Mode, Power, SNR, Azimuth, Elevation, and other parameters. Includes stations like KBZ Khabaz, GURO Guromay-BITSL, SHA1 KIV, etc.

Technical information block containing coordinates (IDC 18 09:32:57.5, 3.6, 54.28N, 87.23E), station name (h0Kml, mbt), and a table with columns: Code, Station Name, Azimuth, Elevation, Time, Res.

18d 10h

IDC 18 09:34:18.0.7.28:33S:74.12E, h0km, mb4.1/1.2, mbtmp3.1/1.2, MS3.8/2, Error ellipse: s-maj=25.8km s-min=21.3km az=63.0

NEIC 18 09:34:19.8.1.2.28:3S:0.1x74.36E:0.06, h10km, mb4.5/13, Error ellipse: s-maj=22.0km s-min=6.7km az=199.0

ISC 18 09:34:19.5.0.5.28:3S:0.1x74.36E:0.1, h10km, n44, o#86/30, mb4.2/20, 3C, Mid-Indian Ridge

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

IDC 18 09:38:51.5.3.4.54:28N:87.13E, h0km, mbtmp3.1/2, ML2.7/2, Error ellipse: s-maj=31.5km s-min=20.2km az=53.0, Southwestern Siberia

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

IDC 18 09:42:08.6.2.8.53:72N:86.94E, h0km, mbtmp2.8/2, ML2.5/2, Error ellipse: s-maj=27.0km s-min=15.6km az=68.0, Southwestern Siberia

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

IDC 18 09:55:44.3.1.3.6:46S:104.18E, h0km, mb3.9/9, mbtmp3.9/10, ML4.3/1, MS3.2/3, Error ellipse: s-maj=43.8km s-min=16.3km az=46.0

NEIC 18 09:55:47.2.1.5.6:39S:107.104:01E:0.08, h35km, mb4.3/11, Error ellipse: s-maj=15.2km s-min=10.4km az=237.0

DJA 18 09:55:49.6.1.1.7.3:3x10.4E, h31km, mb3.9/9, mb4.8/13, mb5.3/6, ML4.6/23, Mw(mb)4.7/6

ISC 18 09:55:48.1.0.7.6:79S:108:104.14E:0.06, h35km, n77, o#160/65, mb4.2/17, Sunda Strait

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

2018 APR

Main seismic event table with columns: SBJU, SKJI, TNG, etc. Lists numerous stations and their associated data points for the 2018 APR period.

IDC 18 09:57:28.7.3.4.54:35N:86.89E, h0km, mbtmp2.8/2, ML2.4/2, Error ellipse: s-maj=29.4km s-min=17.8km az=59.0, Southwestern Siberia

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

1144

MKAR 0.1nm,0.3s,baz=24,slow=24,SNR=6.0, 0.2nm,0.4s

VIE 18 10:00:48.9.0.4.47:97N:16:13E, h0km, mb1.4/1, ml1.5/2, Error ellipse: s-maj=8.0km s-min=1.9km az=111.0, Suspected Mining explosion

KRSZO 18 10:00:38.4.1.0.48:13N:16:86E, h0km, M2.1/4, Error ellipse: s-maj=11.6km s-min=3.9km az=139.0, Suspected Explosion, description : suspected quarry blast locality : Hainburg Austria, Austria

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

LJU 18 10:01:18.5.0.4.46:66N:15:32E, h0km, MLO.3.1/C, Suspected explosion, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations for the Northwestern Balkan Peninsula event.

IDC 18 10:01:49.7.1.5.67:55N:21:28E, h0km, mbtmp3.2/3, ML2.3/3, Error ellipse: s-maj=23.7km s-min=9.6km az=90.0

HEL 18 10:01:49.0.0.2.67:61N:20:85E, h0km, ML1.6, Suspected explosion

UPP 18 10:01:50.0.0.0.67:63N:21:02E, h15km, 4km, ML2.0, Unknown

BER 18 10:01:52.4.2.9.67:57N:21:27E, h0km, ML1.9, ML2.0(U/P), Suspected explosion

ISC 18 10:01:48.7.0.7.67:56N:0.02:21.03E:0.02, h0km, n50, o#96/84, Sweden

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ARAO, ARCESS Array B, RANF, BURU, OULU, etc.

DJA 18 10:24:22.9;0.8,6.5;S:5.10;4E, h13km,6km, M4.2/11, mb4.5/3, MLV4.0/11, Southern Sumatara

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KASI, LWLI, MNAI, TNG, etc.

IGIL 18 10:33:30.9;36.79N;4.55W, h21km, ML3.1
INMG 18 10:33:31.5;1.7,36.80N;4.56W, h53km,6km, ML3.3, Error ellipse: s-maj=2.6km s-min=2.3km az=152.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EMAL, EMIJ, EGOR, ELGU, etc.

ISC 18 10:33:29.0;1.0,36.81N;0.03;4.53W,0.02,h70km,6km, n120, c191/221,32C,6D, Strait of Gibraltar

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EMAL, EMIJ, EGOR, ELGU, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PVAQ, PAB, PBDV, EBAD, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PVRL, EIBI, PBRG, ECAL, etc.

CNRM 18 10:34:37.0;35.66N;3.78W, h9km, ML3.0
SFS 18 10:34:42.0;35.55N;3.65W, h28km, ML3.1/6, ML3.6/4, MLV2.9/6

ISC 18 10:34:38.4;1.0,35.56N;0.04;3.76W;0.05,h14km,n13, c089/16, Strait of Gibraltar

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PALE, WMEL, GOG, EMLI, etc.

GII 18 10:57:26.6;0.6,34.53N;0.07;27.00E;0.02,h10km, Mws3.2, confirmed
ATH 18 10:57:28.7;34.61N;26.53E, h13km,2km, ML2.6/6, Error ellipse: s-maj=3.7km s-min=1.6km az=339.0

ISC 18 10:57:22.6;1.8,34.38N;0.07;26.61E;0.04,h10km,n11km, n34, c1962/32, Crete

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ZKR, FRMA, KARP, etc.

Table with columns: IDI, comp, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Anoyia, Gavdhos, Archangelos, Chania, lera Moni Meta, etc.

IDC 18 11:07:31.5±2.0, 301°21'S×177°32'W, h0km, mb3.8/4, mbtmp3.8/4, Error ellipse: s-maj=44.9km s-min=24.9km az=80.0

NEIC 18 11:07:32.9±2.4, 301°18'S×177°30'W, h10km±2km, mb4.2/15, Error ellipse: s-maj=23.7km s-min=3.3km az=61.0

ISC 18 11:07:36.3±1.4, 301°18'S×177°50'W, h35km±24, ±16/26, mb4.0/12, Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Raoul Island, Black Stump Fm, Armadale, Canberra, Tooolangi, etc.

IDC 18 11:08:32.2±1.2, 29°63'N×83°69'E, h0km, mb3.8/7, mbtmp3.8/9, ML3.8/2, Error ellipse: s-maj=47.4km s-min=31.0km az=35.0

ISC 18 11:08:37.3±1.8, 29°71'N×103°83'E, h35km±10, ±8/10, mb4.0/7, Nepal

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Makanchi Array, Chiang Mai Arr, Kurchatov Arr, Zalesovo Beam, etc.

IDC 18 11:43:05.4±1.8, 48°35'S×128°27'E, h0km, mb3.7/2, mbtmp3.7/2, Error ellipse: s-maj=140.4km s-min=30.1km az=89.0, Western Indian-Antarctic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Cape Leeuwin H, Cape Leeuwin F, Cape Leeuwin H, Alice Springs, Vanda, etc.

Table with columns: NRKI, YKA, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Nori'sk, Yel'kafite Arr, etc.

IDC 18 11:44:44.0±12.0, 3°55'S×142°91'E, h0km, mb3.6/2, mbtmp3.6/3, ML3.1/1, MS3.4/0, Error ellipse: s-maj=287.6km s-min=35.7km az=81.0, Near north coast of New Guinea

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

IDC 18 11:46:12.0±0.5, 39°71'N×143°61'E, h0km, mb4.4/25, mbtmp4.4/31, ML3.5/6, MS4.1/39, Error ellipse: s-maj=14.4km s-min=12.1km az=108.0

BUJ 18 11:46:12.6±0.0, 39°73'N×143°36'E, h5km, mb4.8/79, mb5.0/49, Ms4.6/72, Ms7.4/56/7

NEIC 18 11:46:14.0±1.4, 39°74'N×106°143'66'E, h10km±1km, mb4.7/125, Error ellipse: s-maj=13.4km s-min=8.9km az=112.0

JMA 18 11:46:14.6±0.2, 39°8'N×8°14'4"E, h42km, MD4.8/38, MW4.6/38, FAR E OFF SANRIKU

NIED 18 11:46:14.6, 39°82'N×143°67'E, h42km, MW4.7, Moment Tensor Solution. s3 Moment tensor: Scale 1019Nm; Mn:1.06; M0:0.30; M1:0.36; M2:0.26; M3:0.50; M4:0.31; Fault plane solution: M1.350000×1016 NP1:0.280000°, 354.00000°, 1.06.00000°. NP2:0.1810000°, 339.00000°, 1.69.00000°

GCMT 18 11:46:18.0±0.5, 39°73'N×103°143'91'E, h19km±2km, MW4.9/61, Moment Tensor Solution. s16, c16, s61, c64; Duration: 0 Moment tensor: Scale 1019Nm; M1:55.5±21; M2:0.1±0.11; M3:1.4±0.13; M4:1.25±0.32; M5:0.36±0.26; M6:1.95±0.32; Best double couple: M2 78200±1016 NP1:0.290000°, 374.00000°, 1.98.00000°. NP2: 0.1810000°, 354.00000°, 1.64.00000°. Principal axes: T 2.8410, P1g61.0000°, Azm311.0000°; N -0.1190, P1g8.0000°, Azm207.0000°; P -2.7230, P1g28.0000°. Azm112.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 18 11:46:14.6±0.3, 39°71'N×104°143°68'E, h19km±2km, h19km±P-P, n313, ±159/251, mb4.7/117, MS4.3/58, 5C-4D, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Tanohata, Miyakonagasaki, Miyakonagasaki, etc.

Table with columns: JAW, JKA, ASAJ, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Awa shima, Kamikawa-asahi, Asahikawa, etc.

comp=N, 2.5nm, 0.3s, baz=238, slow=11, SNR=6.6

Table with columns: JSD, JSH, MJAR, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Sado, Saoto, Matsushiro Arr, etc.

comp=N, 8.1nm, 0.9s

Table with columns: MAJO, MAJO, MAJO, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Matsushiro, Matsuyama Tunnel, Kuroka, etc.

comp=N, 20nm, 0.3s, baz=242, slow=13, SNR=1.4

comp=N, 27nm, 0.3s, baz=242, slow=23, SNR=2.6

comp=N, 148nm, 0.7s

comp=N, 7.7nm, 0.3s, baz=102, slow=16, SNR=4.0

comp=N, 2.2nm, 1.4s

comp=N, 2.2nm, 1.4s

comp=N, 2.2nm, 1.4s

comp=N, 2.2nm, 1.4s

comp=N, 2.2nm, 1.4s

comp=N, 2.2nm, 1.4s

comp=N, 2.2nm, 1.4s

comp=N, 2.2nm, 1.4s

comp=N, 2.2nm, 1.4s

comp=N, 2.2nm, 1.4s

comp=N, 2.2nm, 1.4s

comp=N, 2.2nm, 1.4s

comp=N, 2.2nm, 1.4s

comp=N, 2.2nm, 1.4s

comp=N, 2.2nm, 1.4s

comp=N, 2.2nm, 1.4s

comp=N, 2.2nm, 1.4s

comp=N, 2.2nm, 1.4s

comp=N, 2.2nm, 1.4s

comp=N, 2.2nm, 1.4s

comp=N, 2.2nm, 1.4s

comp=N, 2.2nm, 1.4s

Table with columns for station ID, name, coordinates, and various parameters. Includes stations like NJ2, HNS HongShan, SEY Seymchan, YAK Yakutsk, TIY Taiyuan, HHC Hu-ho-hao-te, YULB Yu-li, LYN LuoYang, TWGBT Beinan, WHN Wuhan, BTO Baotou, CNSH ChangSha, SONM Sogingo Array, H1N2 WAKE ISLAND, H1N1 WAKE ISLAND, H1N3 WAKE ISLAND, XAN Xian, BILL Bilibino, LZH Lanzhou, GZH Guangzhou, SANI Sani, SHL Shilong, KURK Kuruchov, ILAR Eielson, ILAR Kaver River, D25K Kaver River, E27K Coleen River.

Table with columns for station ID, name, coordinates, and various parameters. Includes stations like GYA, CD2 Chengdu, GTA Gaotai, DAV Davao City (W), KMI Kunming, KMI KMI, GOMU GeErMu, SLVN Son La, TNGH TengChong, MYLDM Lehad Datu, WMQ Urumqi, ZAAO Zalesovo Array, ZALV Zalesovo Beam, TNTI Ternate, NRIK Noril'sk, CRAI Chiangrai, F19K Shalerucik Mo, B20K Meade River, PHRA Phrae, F21K Alatsra River, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, KDAK Kodiak Island, D22K Aiyikay River, MK31 Makanchi Array, MKAR Makanchi Array, RABL Rabaul, SANI Sani, SHL Shilong, KURK Kuruchov, ILAR Eielson, ILAR Kaver River, D25K Kaver River, E27K Coleen River.

Table with columns for station ID, name, coordinates, and various parameters. Includes stations like E28M Babbage River, E29M Blow River, G29M Pine Creek, BVAR Borovoye Array, BRVK Borovoye, EPYK Eagle Plains, I30M Mount Dempster, AAK Ala-Archa, AAK Ala-Archa, KSH Kashi, KSH KSH, INK Inuvik, H31M Peel River, BATI Baumata, A36M Sachs Harbour, KK31 Karatay Array, KKAR Karatay Array, C36M Paulatuk, NIL Nilore, ARU Aru, ARU Arti, ARU Arti, SIMJ Simons Bay, ABKAR Abkarak array, MNAI Manna, KBL Kabul, KBL KBL, KIROV Kirov, RES Resolute Bay, WB0 Warramunga Arr, WB0 Warramunga Arr, FITZ Fitzroy Crossi, WRO Warramunga Arr, WRO Warramunga Arr, WB2 Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, YKA Yellowknife A, ARCES ARCES Array B, ARCES ARCES, BELG Belogoroye, ASAR Alice Springs, GEYT Alibeck, GEYT Alibeck, DZM Mont Dzumac, PINE Pine Mountain, FINES Fines Array, FINES Fines, L04D Klamath Falls, YBH Yreka Blue Hor, SUMG Sumner, J08A Circle Bar Arr, PLID Pearl Lake, FFC Filin Flon, KIV Kislovodsk, KIV Kislovodsk, KBZ Khabaz, ONI Oni, YERR Yerington, STKA Stephens Creek, GNI Garni, BOZ Bozeman (W), KVN Kaiserville, LHV Little Huntoon, NVAR Nina River, NC40S NORARS Array S, NC204 NORARS Array S, HFS Hagfors, HFS Hagfors, NB2 NORARS Subarra, NOA NORARS Array B, NOA NORARS Array, H17A Grant Village, SFJD Kangerlussuaq, AK03 Malin Array Si, AKASO Malin Array Be, AKASG Malin Array Be, AKBB Malin Array Si, AK01 Malin Array Si, KIEV Kiev, KIEV Kiev, KIEV Kiev.

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Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like AK14 Malin Array Si, MI30 MI30.Zelenitsa, MI28 MI28.Pidlyba, S11A Rachel, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Q19K Cape Douglas, Q19K Cape Douglas, Q19K Cape Douglas, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like M23K Glacier View, M23K Glacier View, M23K Glacier View, etc.

NEIC 18 11:51:19.6;1.6;56;27N;0.08;149;2W;0.1;h23km;gkm, ML3.5;60;ML3.5(AEIC), Error ellipse: s-maj=12.4km s-min=8.9km az=171.0

AEIC 18 11:51:23.4;1.1;56;33N;0.08;149;2W;0.1;h10km;7km, Error ellipse: s-maj=12.0km s-min=8.9km az=165.0

ISC 18 11:51:18.6;1.4;56;34N;0.09;149;30W;0.07;h10km, n254,0975/261,Gulf of Alaska

Table with columns: L29M, L29M, 8.81 35 P, Pn, 11 53 26.2 +0.2, etc. Includes station names like Minto, Yukon-K, Atlin, Whale Pass, etc.

IDC 18 11:59:19.4+1.1, 16:49N:94:89W, h65km, 7km, mb3.4/7, mbtmp3.9/9, MS3.5/14, Error ellipse: s-maj=25.6km

MEX 18 11:59:20.8+1.5, 16:51N:95:22W, h71km, 16km, MD4.8

NEIC 18 11:59:20.1+2.1, 16:46N:0:06:95:20W, h0.04, h72km, 7km, mb4.6/9.1, Md4.8/145(MEX), Error ellipse: s-maj=8.7km

CATAC 18 11:59:21.0+0.5, 16:82N:95:06W, h81km, 33km, MB5.4, mb5.3, ML5.4

GCG 18 11:59:21.5+0.5, 17:01N:94:86W, h34km, MD4.9

SNET 18 11:59:21.7+1.0, 16:90N:94:85W, h66km, 17km, ML5.2

ISC 18 11:59:19.9+0.5, 16:52N:0:03:95:19W, h0.03, h76km, 5km, h76km:pp-P, n480, c2161421, m45/26, 1C, Oaxaca

Main station list table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC, h, s, ISC, etc. Lists stations like Matias Romero, Huatulco, Oaxaca, etc.

Main station list table with columns: LVIG, HMTT, Tiapaneco, 3.46 292, eS, Sn, 12 00 44.2 -5.5, etc. Lists stations like Tiapaneco, San Marcos, Huehuetenango, etc.

Main station list table with columns: ZIIG, ZIIG, Zhihuatanejo, 6.10 281, eP, Pn, 12 00 48.1 +0.6, etc. Lists stations like Zhihuatanejo, Jayaque - finc, etc.

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Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like MSTX Muleshoe, HSIG AMTX Amarillo, DEOK Depew, etc.

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Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like NVAR, PCRV Puerto La Cruz, RLMT Red Lodge, etc.

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Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like SKT Skwentna, N20K Mount Spurr, G25K Bearman Lake, etc.



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Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase, Time, Residual. Includes stations like J14K, C19K, E17K, etc.

HEL 18:12:05:50.9±0.2, 67.68N, 30.81E, h0km, ML1.4, Explosion, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase, Time, Residual. Includes stations like VRF, RAJF, Oulanka, etc.

HEL 18:12:21.1±0.2, 67.67N, 33.57E, h0km, ML1.4, Suspected explosion, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase, Time, Residual. Includes stations like LVZ, VRF, Oulanka, etc.

IDC 18:12:27.33±0.9, 4.33N, 95.03E, h0km, mb3.9/9, mbmp3.9/9, Error ellipse: s-maj=39.6km s-min=18.9km az=59.0

NEIC 18:12:27.42±3.2, 0.445N, 0.03±95.4E, 0.1, h63km, 9km, mb4.2/18, Error ellipse: s-maj=15.3km s-min=3.4km az=82.0

DJA 18:12:27.47±6.0, 0.5°N, 4.9°E, h63km, 9km, M4.2/8, mb4.5/1, MLV4.0/8

ISC 18:12:27.42±3.0, 6.461N, 0.05±95.41E, 0.07, h63km, n47, c1927/45, mb4.1/18, Northern Sumatara

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase, Time, Residual. Includes stations like MLSI, LHMI, SNI, etc.

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase, Time, Residual. Includes stations like MAKZ, SONM, KS19, WBO, WRA, WB2, WRO, ASAR, GYA0B, KURB, KURK, ZAAO, ZALV, ABKAR, RABL, HO4N2, HO4N1, HO4N3, BOSA, FIA1, FINES, FINES, ARCES, TSUM, MEX 18:12:37:00.5±0.7, 16.25N, 98.06W, h19km±19km, MD3.2, Near coast of Guerrero

MEX 18:12:37:00.5±0.7, 16.25N, 98.06W, h19km±19km, MD3.2, Near coast of Guerrero

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase, Time, Residual. Includes stations like PNIG, YOIG, PEIG, PEIG, TXIG, TXIG, VAO 18:12:43:49.7±2.0, 0.72S, 79.03W, h10km, mb4.4, IDC 18:12:44:19.1±1.9, 1.25S, 77.54W, h183km, 18km, mb3.7/13, mbmp4.3/17, Error ellipse: s-maj=20.4km s-min=10.2km az=59.0

NEIC 18:12:44:19.0±2.0, 1.41S, 0.06±77.71W, 0.09, h179km±8km, mb4.3/128, Error ellipse: s-maj=12.4km s-min=9.4km az=82.0

RSNC 18:12:44:22.6±1.1, 1.1°S, 11.7°W, h178km±9km, mb5.0, mb5.0, ML3.3, Mw(mb)=3.3

ISC 18:12:44:18.6±0.3, 1.40S, 0.04±77.72W±0.06, h181km, n496, c872/460, mb4.3/73, 4D, Ecuador

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase, Time, Residual. Includes stations like SLOR, CHSH, PULI, IMBA, PACI, PACI, TAC1, PULI, GJUF, GRUC, GJUF, AROC, FLOL, GARC, GARC, GRIC, JAMC, JAMC, MACA, MACA, URMU, ATAH, ATAH, VILC, VILC, PTGC, PTGC, CZSB, DBBC, BARC, NNA, NNA, NNA, BCIP, DRKO, SDV, DRKO, PAYG, JTS, JTS, ORTG, BAUV, BAUV, ETMB, GANL, MACA, MACA, LPAZ, LPAZ, BOAV, BOAV, MTO3, MTO3, MTJD, MTJD, SIV, SIV, ITTB, ITTB, BBSO, BBSO, PTLB, PTLB, PTLB, PTLB, PDRB, PDRB

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase, Time, Residual. Includes stations like MALB, CLDB, TEIG, MCPB, SALV, SNDB, LCO, ARAG, SMTB, BDFB, TIGA, GOGA, LRAL, JANB, KMSC, FPAL, HNDH, VSSA, DRIO, JCT, WHTX, WHTX, TZTN, TZTN, NBPB, BLA, WVT, MIAR, SAND, SAND, WHAR, WHAR, OZNA, PLPT, LCAR, LCAR, TXAR, TXAR, TX31, ABTX, ABTX, PLCA, PLCA, SGCY, ALPN, WCI, MNHN, HHAR, HHAR, RIB01, MGMO, MGMO, SN07, TUL3, NBLA, FVM, FVM, PECS, POST, WMOK, WMOK, P52A, CCM, CCM, OCM, VHRN, VHRN, P49A, O53A, SSPA, O48B, MNTX, MSTX, PAL, SFIN, AMTX, AMTX, M53A, HDIL, ERPA, BINY, KSU1, L61B, 121A, 121A, RTBA, RTBA, L44A, Y22D, Y22F, CBKS, ANMO, ANMO

18d 12h

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like SCIA State Center, JFWF Jewell Farm, T25A Trinidad, etc.

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Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like ULM Lac du Bonnet, SMMC Simmer, IMW Indian Meadow, etc.

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Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like M27K Edge Creek, F30M Barrier River, MCARA McCarthy VSAT, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like Purkeypille, Castle Rocks, Bananza Creek, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like Baldwin Pennin, Kuka Creek, Ulukok River, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like IPOC Station P, Ambohadratomp, etc.

Technical text block containing station coordinates and parameters: IDC 18 12:50:07.3-0.7, 24:85Sx13:28W, h0km, mb4.3/13, mbmp4.3/13, MS4.3/25, Error ellipse: s-maj=26.2km...

Technical text block containing station coordinates and parameters: ISC 18 12:50:09.0-0.4, 24:82S-010x13:34W-0:10, h14km, n105, c129/81, mb4.8/38, MS4.3/26, 3C-1D, Southern Mid-Atlantic Ridge...

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like Sutherland, Brasilia, Boshof, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like LBTB, PLTB, AQDB, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like LSZ, TORQ, TRQA, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like PTLB, SIV, VNAZ, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like AC02, SAML, CO01, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like BO01, LVC, ELIB, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like MLR, MORC, MORV, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like HOLU, BURAR, OJC, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like SORM, LUBAR, RNPPS, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like AK10, AKSB, WADI, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like HFS, CMIG, FINES, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like BELG, PALK, WMQ, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like PPT2, PZH, LZH, etc.



Table with columns for call sign, name, frequency, mode, and other technical details. Includes entries like BGES Gesves, BCLA Clavier, MMAI Mount Meron Ar, etc.

Table with columns for call sign, name, frequency, mode, and other technical details. Includes entries like CLZ Clausthal, BRG Bergsiesshubel, BRG Bergsiesshubel, etc.

Table with columns for call sign, name, frequency, mode, and other technical details. Includes entries like MEZ Mezgor'ye, BURAR Buocovina Array, BURAR Buocovina Array, etc.

18d 13h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like AOPR, ONI, SHA1, WHFO, etc.

2018 APR

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

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

Table of astronomical observations for station 1157, listing stations like Alma-Ata, Tian-Shan, Medeo, Chushkaly, etc., with columns for station name, coordinates, time, and residuals.

Table of astronomical observations for station PETK, listing stations like Matushiro Arr, Mjashiro Arr, Alice Springs, etc., with columns for station name, coordinates, time, and residuals.

RHSSO 18 13:14:48.2+0.2, 43.39N; 19 09E, h4km, 2km, ML 1.5/9

Table of astronomical observations for station RHSSO, listing stations like UPM, RUDO, KLINJ, etc., with columns for station name, coordinates, time, and residuals.

18 13:35:41.5+0.0, 5.91S; 130.77E, h0km, mb3.6/1, mbmp3.2/3, ML3.0/2, Error ellipse: s-maj=305.9km

Table of astronomical observations for station WRA, listing stations like Warramunga Arr, etc., with columns for station name, coordinates, time, and residuals.

18 13:59:38.1, 2.32S; 0.1, 147.3E; 0.3, h35km, n27, i+138/8, mb3.8/5, MS3.8/20, Bismarck Sea

Table of astronomical observations for station WRA, listing stations like PMG, HNR, GUMO, etc., with columns for station name, coordinates, time, and residuals.

Table of astronomical observations for station USRK, listing stations like Ussuriysk Arr, etc., with columns for station name, coordinates, time, and residuals.

18 14:16:02.3+3.3, 36.75N; 31.72E, h67km, 30km, mb3.2/2, mbmp3.2/5, ML3.1/3, MS3.7/1, Error ellipse: s-maj=39.3km

Table of astronomical observations for station KEZP, listing stations like Antalya-Kepez, etc., with columns for station name, coordinates, time, and residuals.

18 14:16:04.7+0.0, 36.82N; 31.82E, h67km, 30km, mb3.2/2, mbmp3.2/5, ML3.1/3, MS3.7/1, Error ellipse: s-maj=39.3km

Table of astronomical observations for station KEZP, listing stations like Antalya-Kepez, etc., with columns for station name, coordinates, time, and residuals.







18d 15h

Table with columns for station name, frequency, and various signal quality metrics (e.g., S/N, error rates). Includes stations like KELR, ZRHb, Tyrgan, Vitim, Ulan-Yde, Fofonovo, Stepnoy Dvoret, Chita, Kabansk, Khuramsha, Bolshoye Golou, Chara, Irkutsk, Listvyanka, Ivanovka, Khani, Talaya, Tupik, Arshan, KPC, Yuktali, Zakamensk, and ZAK.

2018 APR

Table with columns for station name, frequency, and various signal quality metrics. Includes stations like MOY, ZAK, SOJ, ZHELEZNOGORSK, KURCHATOV, ALICE SPRINGS, CATAPILCO, TORPEDERAS, PEIDUEHUE, SANTO DOMINGO, RENCA, HACIENDA SANTA, CERRO CALIN, CCHEN, POPETA, POPETA, TALAGANTE, FARELONES, LAS VIZCACHAS, COMBARBAL, PIRQUE, LA PUNTA, LAMEL, FRAY JORGE, TUNCA, EL PEDREGAL, and LAS VIZCACHAS.

1160

Table with columns for station name, frequency, and various signal quality metrics. Includes stations like Leonicito, Sierra Bellavi, CERRRO ARCO, Huala, Salagasta, Salagasta, Tololo Observa, Tololo Observa, Agrelo, Reserva Natura, Cerro Valdivia, Juntas del Tor, Juntas del Tor, Cerro Coronel, Rodeo, Las Campanas, Las Campanas, El Transito, GUANDACOL, GUANDACOL, Llanos de Chal, Chepes, Vinchina, and Copiapu.

IDC 18 14:55:44.7 ± 1.8, 63:99N:24:65E, h0km, mbtmp2.771, ML2.0/1, Error ellipse: s-maj=47.3km s-min=10.2km

HEL 18 14:55:44.9 ± 1.6, 64:10N:24:62E, h0km, ML1.6, Explosion

UPP 18 14:55:44.7 ± 0.9, 64:09N:24:59E, h0km, ML1.5

ISC 18 14:55:44.0 ± 0.7, 64:14N:02:24.81E, h0km, n36, r1919/60, Finland

Table with columns for Code, Station Name, Azimuth, Phase ID, Time Res, and ISC. Lists various stations and their associated data points.

JMA 18 15:09:15.7 ± 0.2, 29°N:1°14'0"E, h449km, MV3.5/16, NEAR TORISHIMA IS

IDC 18 15:09:16.6 ± 1.9, 29:20N:139:13E, h427km, 25km, mb1.9/9, mbtmp3.9/13, Error ellipse: s-maj=41.3km s-min=11.6km

az=79.0
ISC 18 15:09:15.3,0.6,29.19N,0.07-139.4E,0.1,423km,n45,
c167/51,m3.7/14,Southeast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Contains station data for various locations like Chichijima, Haha-jima, etc.

NEIC 18 15:10:41.0,1.6,56.14N,0.07-149.9W,0.1,h30km,9km,
ML3.5/48,ML3.3(AEIC),Error ellipse: s-maj=10.9km
s-min=7.9km az=153.0

AEIC 18 15:10:43.7,1.5,56.14N,0.08-149.8W,0.1,h11km,7km,
Error ellipse: s-maj=12.3km s-min=7.7km az=161.0

ISC 18 15:10:39.1,1.3,56.18N,0.07-149.88W,0.06,h10km,
n187,c1908/128,Gulf of Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Contains station data for locations like Old Harbor, Kodiak Island, etc.

Main table with columns: BRLL, IAML, Time Res, h m s ISC. Contains station data for locations like ANCK, Q23K, MID, P19K, etc.

Table with columns: baz=191, PAX, Q29M, RND, TRF, YUK2, P29M, CAST, KTH, YUK3, M27K, MENT, S31K, BVCY, P30M, PLBC, HYT, RIDG, ISN, L27K, BCAR, SIT, SSSL, SCRR, N30M, S32K, Q30N, M29M, IL31, ILAR, K27K, MLY, J26K, N31M, WHY, L29M, M30M, P32M, H21K, J30M, K29M, Q32M, P33M, R33M, J30M, I30M, MPMY, G29M, G31M. Contains station data for various locations like Paxson, Mount Kennedy, etc.

IDC 18 15:16:04.0,8.7,17.21S,172.92W,h0km,m3.3/3,
mbtmp3.3/3,Error ellipse: s-maj=381.8km
s-min=40.3km az=140.0,Tonga Islands region

ASAR Alice Springs 50.02 253 P
0.2nm,0.6s,baz=87,slow=7.8,SNR=7.0
0.2nm,6.6s

ILAR Eielson Array 84.12 11 P
0.5nm,1.0s,baz=202,slow=6.8,SNR=4.2
0.5nm,1.0s

NEIC 18 15:29:36.9,1.7,32.30S,0.08-65.00W,0.09,h10km,2km,
mb3.9/3,Error ellipse: s-maj=12.8km s-min=12.1km
az=170.0

SJA 18 15:29:37.4,0.8,32.27S,65.21W,h26km,8km,ML4.3,
MW4.3

IDC 18 15:29:38.1,0.5,32.37S,65.00W,h22km,3km,mb3.9/6,
mbtmp4.0/9,ML4.2/2,MS3.2/5,Error ellipse: s-maj=28.2km
s-min=16.3km az=122.0

UVO 18 15:29:41.9,0.7,32.64S,64.77W,h110km,17km,mb4.6
18 15:29:38.7,0.5,32.41S,65.00W,h64.98W,0.05,h35km,n100,
c1945/121,m4.1/6,1D,Cordoba Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Contains station data for locations like Tanti, Valle Fertil, Cerro Valdivia, etc.





18d 17h

Table with columns: NOA, comp=, LR, LR, 17 55 14.1, KSH Kashi, HFS Hagfors, TAOE Nuku Hiva Isla, BELG Belogomoyev, OBIN Obninsk, CMAR Chiang Mai Arr, CMAR Warramunga Arr, PPT Papeete, PPT2 Papeete2, PPT2 Warramunga Arr, CMIG Matias Romero, DZM Mont Dzumak, DZM Mont Dzumak, EKA Eskdalemuir Arr, AKASG Malin Array Be, AKASG Warramunga Arr, GEYT Alibeck, KBZ Khabaz, TBI Tubuai, TRAC Vranoy, GERES GERES Array B, GERES Warramunga Arr, WATA Walderana, MOTA Moosalm, WTTA Wattenberg, KBA Koelbreinsper, SOKA Soboth, FETA Feichten, ABTA Abfaltersbach, ASAR Alice Springs, BRTR Keskin Array B, BRTR Wadi Sarin, MMAI Mount Meron Ar, ASIF Jabal al Asfar, ELF Elat, SDV Santo Domingo, ROSC El Fossil, TORD Torodi Ar. Bea, H03N2 Juan Fernandez, H03N1 Juan Fernandez, H03N3 Juan Fernandez, QSPA South Pole Qui, BOSA Boshof, IDC 18 17:14:05.2-2.0, 18:04S-178:27W, h698km, 269km, mb2.77, mbtmp3.87, Error ellipse: s-maj=93.7km s-min=29.0km az=86.0, Fiji Islands region

2018 APR

Table with columns: GHO, TRF, TRF, SCM, KSH, KSH, HFS, TAOE, BELG, OBIN, CMAR, CMAR, PPT, PPT2, PPT2, CMIG, DZM, DZM, EKA, AKASG, AKASG, GEYT, KBZ, TBI, TRAC, GERES, GERES, RAO, GNI, MLR, WRA, WATA, MOTA, WTTA, KBA, SOKA, FETA, ABTA, ASAR, BRTR, BRTR, WSAR, MMAI, ASIF, ELF, SDV, ROSC, TORD, H03N2, H03N1, H03N3, QSPA, BOSA, F20K, H21K, H21K, D19K, C19K, MLY, RND, RND, NEA2, DHY, MDM, MDM, G23K, G23K, B20K, B20K, ILAR, ILAR, H24K, H24K, D22K, D22K, GLB, GLB, VRDI, VRDI, F24K, F24K, TOLK, TOLK, J26L, J26L, M27K, M27K, D24K, D24K, L27K, L27K, D25K, D25K, EGAK, EGAK, I28M, I28M, K29M, K29M, F28M, F28M, NEIC 18 17:24:40.7-2.2, 50:77N-0:07:180:0E:0:1, h10km, 2km, mb4.2/74, ML3.6(AEIC), Error ellipse: s-maj=15.5km s-min=7.8km az=225.0, AEIC 18 17:24:45.8-2.9, 51:07N-0:07:180:0W:0:09, h5km, 5km, Error ellipse: s-maj=11.8km s-min=5.3km az=219.0, IDC 18 17:24:52.2-3.0, 51:44N:179:91W, h74km, 26km, mb3.8/21, mbtmp4.1/24, MS3.4/1, Error ellipse: s-maj=26.0km s-min=12.4km az=175.0, ISC 18 17:24:47.0-6.5, 13N:0:09:179:86W:0:05, h39km, n125, r1540/102, mb4.2/50, Andeanof Islands

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Table with columns: D27M, J30M, J30M, H31M, H31M, USRK, H11N2, H11N3, H11N1, MJAR, H11S1, H11S2, H11S3, YKA, LYMT, BOZ, NVAR, H17A, ULN, SONM, PD31, PDAR, PDAR, HHC, HHC, HHC, SPITS, ZALV, GTA, GTA, GTA, ARCES, KURBB, TXAR, MKAR, BVAR, PZH, PZH, FINES, NB2, NOA, KSH, KSH, HFS, CMAR, EKA, AKASG, GERES, WTTA, KBA, SOKA, OBKA, BRTR, QSPA, BOSA, IDC 18 17:28:55.9-2.2, 6:04S-130:05E, h0km, mb4.0/1, mbtmp3.5/3, ML3.5/2, Error ellipse: s-maj=145.2km s-min=30.1km az=70.0, Banda Sea

Table with columns: WRA, WRA, ASAR, ASAR, H03N2, H03N3, H03N3, H03N2, H03N1, ASAR, H01W1, IDC 18 17:48:10.6-8.9, 53:50S-145:15W, h0km, mb3.5/2, mbtmp3.5/2, Error ellipse: s-maj=1081.0km s-min=116.5km az=164.0, Pacific-Antarctic Ridge



18d 19h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BATI, MMRI, EDFI, WRA, ASAR, MKAR.

KRSC 18 19:52:54.3±1.6, 49°39'N×156°70'E, h88km, 22km, M13.8,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SKR, PAU, KDTR, ASAK, MTRV, RUS, APC, KRM, PET, DAL, UGLR, AVH, KOK, SMAR, KRER, NLC, KRX, SPN, GNL, KIL, TUMD.

DJA 18 19:53:44.0±2.9, 4°S×12°6'E, h16km, 26km, M3.9/16,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NLAI, SANI, LBMI, LUWI, GTOI, BKSI, SPSI, TTSI, MMRI, SOEI, EDFI, SWI, BATI.

ROM 18 19:58:38.6±0.3, 39°53'N×0°11'±15°67'E, h267km, 2km,

ML3.3/56, Error ellipse: s-maj=2.4km s-min=1.0km az=103.0

IDC 18 19:58:41.2±0.2, 39°67'N×15°45'E, h268km, 27km, mb3.1/8,

mbtmp3.6/15, Error ellipse: s-maj=22.7km s-min=14.0km az=24.0

ISC 18 19:58:39.9±0.7, 39°56'N×0°06'±15°61'E, h258km, 6km,

n72, r0.95/86, mb3.4/6, 3C-20D, Southern Italy

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CET2, MMN, CUC, CAR1, TDS, MGR, SPS2, SALB, SIRI, MTSN.

2018 APR

Main table with columns: CELI, Celico, Pn, S, AML, Time, Res. Includes stations like Campora, Oriolo Cabro, Sala Consiliina, Pietrapaola, Timpagrande, Girolfalcone, Sersale, Pietrapertosa, Craco, San Nicola del Lado, Muro Lucano, Liri, Calabretti, Vulcano Grotta, Placanca, Filicudi I, Celeste, Milazzo, Matera, Porti Mandanici, Samo, Altamura, Novara.

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Table with columns: NOV, TAR1, AIO, MUCR, NOCI, PLLN, GIB, SOLUN, MPG, SCTE, HLN, ALJA, CORL, RAFF, MBFT, CLTB, MMGO, KEST, OBKA, ABTA, KBA, FETA, GERES, BRTR, AKASG, ESDC, MMAI, EKA, HFS, KBZ, NOA, FINES, ARCES, ZALV, MKAR, SCHO. Includes various station codes and times.

IDC 18 19:58:48.4±10.0, 7°02'N×72°84'W, h138km, 188km, mb3.1/3,

mbtmp3.6/4, ML2.7/1, Error ellipse: s-maj=231.4km s-min=91.4km az=3.0

RSNC 18 19:58:52.0±0.0, 7°N×1°7'3W, h142km, 2km, mb4.8,

mb3.5, ML3.0, MLV3.7, Mw(MB)4.0

ISC 18 19:58:49.5±0.9, 6°33'N×0°03'±73°09'W, 0°04, h152km, 6km,

n31, r1.96/58, mb3.4/3, Northern Colombia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BARC, PAMC, La Rusia, PUERTO BERRIO, OCANA, San Pablo de B, ZARCO, NORCASIA, ROSC, EI ROSAL, UREC, VILC, PTGC, VILLAMARIA, DABEIBA, SDV, ARGUANI, ARGC.









Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values.

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Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like Casey, Pallekele, Shemya Is, MA2, YAK, WMQ, VVND, MK31, KSH, NIL, ZAAO, ZALV, TIXI, KURK, KURBB, CHGR, KDAK, QSPA, NRK, BVAR, E19K, BRVK, IMAR, E22K, ILAR, RIDG, L27K, BCAR, BMAR, INK, DLBC, BBB, YBH.

TAP 18 22:04:16.1, 24.04N: 121.83E, h6km, ML3.6, C
JMA 18 22:04:16.3, 0.2, 24.0N: 0.6, 121.8E: 0.7, h0km, MV3.0/11, TAIWAN REGION

ASIES 18 22:04:16.1, 24.04N: 121.83E, h6km, ML3.6, Mw3.5
Moment Tensor Solution. Moment tensor: Scale 1021 Nm;
M1: 0.31; M2: 0.81; M3: 0.11; M4: 0.07; M5: 1.43;
Fault plane solution: M1: 94679; 1021 NP1:
phi=215.94000; 885.29000; lambda=70.34000; NP2:
phi=318.90000; 820.19000; lambda=166.23000; Principal axes:
T P1g37.2700; Azm288.5570; N P1g19.5860;
Azm34.2660; P P1g46.1990; Azm146.0440;

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like HWA, TWD, ETL, NACB, EHP, EAHA, SHUL, ETM, ETLH, ENA, EWUT, LXIB, ESL.

2018 APR

Main table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like EGFH, EGPH, WARB, WARB, ESAB, ESAB, TWC, TWC, WHF, WHF, LATG, LATG, NNSB, NNSB, NNSH, NNSH, HGSD, HGSD, NDS, NDS, NNS, NNS, OWD, OWD, CHGB, CHGB, CHGB, CHGB, EHYH, EHYH, NDT, NDT, NDT, NDT, EHY, EHY, ENT, ENT, ENT, ENT, TW, TW, TW, TW, WUSB, WUSB, TDCB, TDCB, TDCB, TDCB, WVD, WVD, WVD, WVD, TWE, TWE, TWE, TWE, ECBN, ECBN, ILA, ILA, ILA, ILA, YULB, YULB, YULB, YULB, FUSB, FUSB, FUSB, FUSB, EYUL, EYUL, EYUL, EYUL, YHNB, YHNB, YHNB, YHNB, EGS, EGS, EGS, EGS, TWF, TWF, TWF, TWF, TWF1, TWF1, TWF1, TWF1, NSK, NSK, NSK, NSK, NWLT, NWLT, NWLT, NWLT, WPL, WPL, WPL, WPL, SSSL, SSSL, SSSL, SSSL, DPDB, DPDB, DPDB, DPDB, CHKH, CHKH, CHKH, CHKH, WHP, WHP, WHP, WHP, SMLT, SMLT, SMLT, SMLT, SMLT, SMLT, SMLT, SMLT, FULB, FULB, FULB, FULB, TIPB, TIPB, TIPB, TIPB, NFF, NFF, NFF, NFF, TYC, TYC, TYC, TYC.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like TYC, TYC, TWB1, TWB1, TWB1, TWB1, CHKT, CHKT, CHKT, CHKT, JYNG, JYNG, JYNG, JYNG, WHYT, WHYT, WHYT, WHYT, EHD, EHD, EHD, EHD, EHD, EHD, EHD, EHD, TATO, TATO, TATO, TATO, TATO, TATO, TATO, TATO, LIOB, LIOB, LIOB, LIOB, NSTT, NSTT, NSTT, NSTT, YOJ, YOJ, YOJ, YOJ, YOJ, YOJ, YOJ, YOJ, WFSB, WFSB, WFSB, WFSB, WFSB, WFSB, WFSB, WFSB, SXI, SXI, SXI, SXI, WJS, WJS, WJS, WJS, WJS, WJS, WJS, WJS, TWQ1, TWQ1, TWQ1, TWQ1, ALS, ALS, ALS, ALS, ALS, ALS, ALS, ALS, WNT, WNT, WNT, WNT, WNT, WNT, WNT, WNT, HSN1, HSN1, HSN1, HSN1, HSN1, HSN1, HSN1, HSN1, ELDTW, ELDTW, ELDTW, ELDTW, EDH, EDH, EDH, EDH, EDH, EDH, EDH, EDH, TCU, TCU, TCU, TCU, TCU, TCU, TCU, TCU, NTY, NTY, NTY, NTY, NTY, NTY, NTY, NTY, TNOU, TNOU, TNOU, TNOU, TNOU, TNOU, TNOU, TNOU, NMLH, NMLH, NMLH, NMLH, NMLH, NMLH, NMLH, NMLH, SBCB, SBCB, SBCB, SBCB, SBCB, SBCB, SBCB, SBCB, NCUH, NCUH, NCUH, NCUH, NCUH, NCUH, NCUH, NCUH, HSN, HSN, HSN, HSN, HSN, HSN, HSN, HSN, TWS1, TWS1, TWS1, TWS1, TWS1, TWS1, TWS1, TWS1, WDJ, WDJ, WDJ, WDJ, WDJ, WDJ, WDJ, WDJ, WDJ, WDJ, WDJ, WDJ, WDJ, WDJ, ANP, ANP, ANP, ANP, ANP, ANP, ANP, ANP, NTST, NTST, NTST, NTST, NTST, NTST, NTST, NTST, WCHH, WCHH, WCHH, WCHH, WCHH, WCHH, WCHH, WCHH, WCKG, WCKG, WCKG, WCKG, WCKG, WCKG, WCKG, WCKG, LONT, LONT, LONT, LONT, LONT, LONT, LONT, LONT, WDLH, WDLH, WDLH, WDLH, WDLH, WDLH, WDLH, WDLH, TWY, TWY, TWY, TWY, TWY, TWY, TWY, TWY, TWY, TWY, TWY, TWY, TWY, TWY, STYH, STYH, STYH, STYH, STYH, STYH, STYH, STYH, WCKO, WCKO, WCKO, WCKO, WCKO, WCKO, WCKO, WCKO, TPUB, TPUB, TPUB, TPUB, TPUB, TPUB, TPUB, TPUB, TPUB, TPUB, TPUB, TPUB, TPUB, TPUB, CHN4, CHN4, CHN4, CHN4, CHN4, CHN4, CHN4, CHN4, TWGBT, TWGBT, TWGBT, TWGBT, TWGBT, TWGBT, TWGBT, TWGBT, TWG, TWG, TWG, TWG, TWG, TWG, TWG, TWG.

18d 22h

Table with columns: CHN2, Minshiang, 1.42 252 P, Pg, 22 04 42.3 0.0, etc. Lists various stations and their coordinates.

Ryukyu Islands
Code Station Name Δ° AZZ Phase ID Time Res
IRIF Iriomote-Funau 0.13 319 Op ISC h m s ISC

TAP 18 22:13:09.8,24:41N-121.78E,h0km,ML1.4,C,Taiwan

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Time, Res. Lists stations like EWUT, ENA, EAHA, etc.

IDC 18 22:24:53.8,98.0,0.46°03N-66.94E,h0km, Error ellipse: s-maj=475.6km s-min=202.7km az=23.0, Central

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Time, Res. Lists stations like I46RU, I37NO, I18DK.

IDC 18 23:03:43.0,1.5,3°02'S:147°62'E,h0km,mb3.9/10, mbmp3.9/10, Error ellipse: s-maj=52.4km s-min=23.2km az=110.0

NEIC 18 23:03:45.0,0.6,2°91'S:0°06':147°5E-0°1',h10km,1km, mb4.3/11, Error ellipse: s-maj=19.8km s-min=10.3km az=85.0

DJA 18 23:03:53.6,0.6,2°S:8°14'7E",h10km,M4.8/13,mb5.6/8, mb4.5/13,MLv4.8/4,Mw(MB)5.0/8

ISC 18 23:03:45.0,0.6,2°98'S:0°07':147°56E°0'09,h10km,n35, -1°19'32",mb4.0/15,Admiralty Islands region

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Time, Res. Lists stations like MANU, RABUL, JAY, etc.

az=73.0
GCMT 18 23:04:18.2,0.3,2°94'S:0°02':147°71E-0°02,h21km,2km, MW4.8/85, Moment Tensor Solution. sz:8; s85;c108; Duration: 0 Moment tensor: Scale 10^16Nm; Mr:-0.11;-15; M0:0.47;-13; M00:-0.35;-13; M0-0.83;-22; M0-1.94;-08; M0-0.44;-18; Best double couple: M0:1.6300x10^16 NP1:0.277,0.0000,-0.80,0.0000,-0.19,0.0000- NP2: 0.184,0.0000,-0.871,0.0000,-0.170,0.0000- Principal axes: T 2.3790,Plg20.0000-,Azml142.0000-,P -1.9470,N -0.4310,Plg69.0000-,Azml303.0000-, Azm50.0000-, nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 18 23:04:13.8,0.4,3.00S:0°05':147°60E-0°07',h10km,n84, -1°44'75",mb4.5/32,MS4.1/4,Admiralty Islands region

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Time, Res. Lists stations like MANU, RABUL, PMG, etc.

JMA 18 22:12:55.4,0.1,24°2N:0°3':123°3E:0.3,h18km,1km, MV0.4/5,NEAR ISHIGAKIJIMA ISLAND,Southeastern

IDC 18 23:04:11.5,0.7,3°03'S:147°71E,h0km,mb4.2/17, mbmp4.2/18,ML2.0/1,MS4.1/4, Error ellipse: s-maj=30.5km s-min=14.4km az=93.0

NEIC 18 23:04:14.2,1.9,2°95'S:0°05':147°65E°0'09,h10km,1km, mb4.6/34, Error ellipse: s-maj=15.8km s-min=7.9km

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like M27K Edge Creek, BCAR Beaver Creek, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like KARP Karpathos, KARP Karpathos, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like H11S2 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, etc.

IDC 18 23:11:27.4:610.0,29.82N:74.89W,h0km,Error ellipse: s-maj=362.0km s-min=136.2km az=73.0,Off east coast of United States

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like I51GB BERMUDA INFRAS 9.0, H18DK QAANAAQ INFRAS7.81, etc.

IDC 18 23:20:43.2:4.1,3.16S:148.88E,h0km,mb3.6/3, mbtmp3.6/3,Error ellipse: s-maj=196.7km s-min=35.2km az=124.0,Bismarck Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

NOU 19 00:25:37.5,37.36S:176.38E,h357km,MLV4.0/7, North Island, New Zealand

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like TOZ Tahuroa Road, MKAZ Mounakai, etc.

NEIC 18 23:27:44.0:6.3666N:0.02-99.04W,0.03,h11km,6km, Error ellipse: s-maj=4.0km s-min=2.0km az=125.0

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like OK035 E0210 Rd and N, OK035 jum,0.3s, etc.

TUL 18 23:27:44.0:8.3666N:0.01-99.02W,0.02,h5km,2km, ML2.8,mb\_Lg2.3/29(NEIC),ML2.7/4(NEIC),Error ellipse: s-maj=2.9km s-min=1.6km az=123.0,Oklahoma

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like IDI Anoyia, IDI Anoyia, etc.

IDC 19 00:14:03.7:8.5, 18.54S:177.77W,h340km,82km,mb3.2/7, mbtmp3.9/7,Error ellipse: s-maj=38.9km s-min=20.6km az=56.0

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like URZ Urewera, WRA Warramunga Arr, etc.

IDC 19 00:14:04.6:1.2, 18.65S:0.2x177.3W,0.3,h350km,n8, +072.7E,mb3.56,Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like URZ Urewera, WRA Warramunga Arr, etc.

IDC 19 00:19:27.3:4.2,3.81S:146.51E,h0km,mb3.8/2, mbtmp3.7/3,ML3.1/1,MS3.4/13,Error ellipse: s-maj=304.1km s-min=27.9km az=113.0,Bismarck Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like PMG Port Moresby, HNR Honiara, etc.

IDC 19 00:25:39.1:5.3758S:0.08,176.16E:0.07,h326km,9km, n116,+28/68/140, North Island

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like TOZ Tahuroa Road, MKAZ Mounakai, etc.

ATH 18 23:52:18.1,35.00N:28.02E,h8km,2km,ML2.4/6,Error ellipse: s-maj=3.9km s-min=1.9km az=327.0

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like AFAD 18 23:52:35.0:0.0,36.32N:28.32E,h49km,3km,ML1.6

ISK 18 23:52:20.8,35.22N:27.85E,h27km,ML2.4/15, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like KARP Karpathos

ISK 18 23:52:20.8,35.22N:27.85E,h27km,ML2.4/15, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like H11S2 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, etc.

ATH 18 23:52:18.1,35.00N:28.02E,h8km,2km,ML2.4/6,Error ellipse: s-maj=3.9km s-min=1.9km az=327.0

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like AFAD 18 23:52:35.0:0.0,36.32N:28.32E,h49km,3km,ML1.6

ISK 18 23:52:20.8,35.22N:27.85E,h27km,ML2.4/15, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like KARP Karpathos

ISK 18 23:52:20.8,35.22N:27.85E,h27km,ML2.4/15, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like H11S2 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, etc.

ATH 18 23:52:18.1,35.00N:28.02E,h8km,2km,ML2.4/6,Error ellipse: s-maj=3.9km s-min=1.9km az=327.0

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like AFAD 18 23:52:35.0:0.0,36.32N:28.32E,h49km,3km,ML1.6

ISK 18 23:52:20.8,35.22N:27.85E,h27km,ML2.4/15, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like KARP Karpathos

ISK 18 23:52:20.8,35.22N:27.85E,h27km,ML2.4/15, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like H11S2 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, etc.

ATH 18 23:52:18.1,35.00N:28.02E,h8km,2km,ML2.4/6,Error ellipse: s-maj=3.9km s-min=1.9km az=327.0

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like AFAD 18 23:52:35.0:0.0,36.32N:28.32E,h49km,3km,ML1.6

ISK 18 23:52:20.8,35.22N:27.85E,h27km,ML2.4/15, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like KARP Karpathos

ISK 18 23:52:20.8,35.22N:27.85E,h27km,ML2.4/15, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like H11S2 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, etc.

ATH 18 23:52:18.1,35.00N:28.02E,h8km,2km,ML2.4/6,Error ellipse: s-maj=3.9km s-min=1.9km az=327.0

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like AFAD 18 23:52:35.0:0.0,36.32N:28.32E,h49km,3km,ML1.6

ISK 18 23:52:20.8,35.22N:27.85E,h27km,ML2.4/15, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like KARP Karpathos

ISK 18 23:52:20.8,35.22N:27.85E,h27km,ML2.4/15, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like H11S2 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, etc.

ATH 18 23:52:18.1,35.00N:28.02E,h8km,2km,ML2.4/6,Error ellipse: s-maj=3.9km s-min=1.9km az=327.0

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like AFAD 18 23:52:35.0:0.0,36.32N:28.32E,h49km,3km,ML1.6

ISK 18 23:52:20.8,35.22N:27.85E,h27km,ML2.4/15, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like KARP Karpathos

ISK 18 23:52:20.8,35.22N:27.85E,h27km,ML2.4/15, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like H11S2 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, etc.

ATH 18 23:52:18.1,35.00N:28.02E,h8km,2km,ML2.4/6,Error ellipse: s-maj=3.9km s-min=1.9km az=327.0

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like AFAD 18 23:52:35.0:0.0,36.32N:28.32E,h49km,3km,ML1.6

ISK 18 23:52:20.8,35.22N:27.85E,h27km,ML2.4/15, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like KARP Karpathos

ISK 18 23:52:20.8,35.22N:27.85E,h27km,ML2.4/15, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like H11S2 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KHZ Kahutara, DSZ Denniston North, etc.

NOU 19 01:06:17.6, 40:60S:175:35E, h73km, MLV3.4/9, North Island, New Zealand
WEL 19 01:06:18.6, 0:3, 41 S:13:17 5E:1, h29km, 3km, M3.4/21, ML3.7/21, MLV3.4/21, Error ellipse: s-maj=0.0km s-min=0.0km az=119.9, confirmed

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations including Otaki George, Mangatoinaka R, Ohakea, etc.

IDC 19 01:09:09.6, 1.7, 17:82S:174:16W, h0km, mb4.0/5, mbmp4.0/5, Error ellipse: s-maj=42.6km s-min=37.7km az=166.0
NEIC 19 01:09:18.6, 2.3, 17:72S:0:08:173:65W:0.09, h66km, 8km, mb4.7/23, Error ellipse: s-maj=12.6km s-min=11.6km

az=104.0
ISC 19 01:09:20.1, 0.7, 17:75S:0:11:173:8W:0.1, h100km, n47, c191646, mb4.6/17, Tonga Islands

Main station list table for the 2018 APR section with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like NIUE Niue, AFU Afiamalu, etc.

IDC 19 01:19:54.6, 1.6, 56:70S:141:18W, h0km, mb4.0/5, mbmp4.0/5, MS3.9/13, Error ellipse: s-maj=53.6km s-min=28.0km az=37.0
ISC 19 01:15:00.0, 1.8, 55:65S:0:3:141:0W:0.3, h10km, n31, c072711, mb4.2/7, MS4.0/13, 3C, Pacific-Antarctic Ridge

ESDC Sonseca Array 147.34 103 PKPbc PKPbc 01 39 39.2 +0.4
MKAR Makanchi Array 151.89 286 PKPbc PKPbc 01 39 50.4 +0.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KRVT Keravat, WRA Warramunga Arr, etc.

TRN 19 01:41:42.6, 18:98N:62:46W, h3km, MD3.7, Far North-east of Anguilla, Leeward Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ANDO Antigua, Disas, ANBD Bethesda, Anti, etc.

ISK 19 01:55:48.2, 38:17N:26:21E, h10km, ML2.2/8
AFAD 19 01:55:48.0, 0, 38:20N:26:23E, h7km, 3km, ML2.1
THE 19 01:55:49.9, 38:17N:26:29E, h14km, 1km, ML2.4/4, Error ellipse: s-maj=1.6km s-min=0.7km az=65.0

Main station list table for the 1174 section with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like CESE eme, ZEVE Izmir, Ura-Ze, etc.

MEX 19 02:36:12.5, 0.5, 13:90N:93:00W, h15km, 174km, MD4.1
CATA 19 02:36:15.0, 0.7, 13:98N:92:78W, h18km, 8km, ML4.1
IDC 19 02:36:17.3, 2.6, 15:11N:92:34W, h0km, mb3.6/3, mbmp3.6/6, ML3.5/3, MS3.4/6, Error ellipse: s-maj=102.5km s-min=26.6km az=38



Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
THIG		1.10	38	Op	ISC	02 36 31.8	-0.1
THIG				eS	Pb	02 36 48.5	+0.1
THIG				eS	Pb	02 36 34.1	-1.1
PAIR	El Naranjo	1.29	33	eP	Pb	02 36 52.9	-0.6
RTAL	Retalhuleu	1.32	68	eP	Pn	02 36 35.4	-0.3
RTAL				eS	Pn	02 36 52.8	-1.2
RTAL	Retalhuleu	1.32	68	iP	Sg	02 36 34.7	-1.0
RTAL				iS	Pg	02 36 54.1	+1.5
RTAL				IAML		02 36 57.6	
comp=Z,2j,m,1.0s							
CHJU	Union Juarez	1.34	38	eP	Pn	02 36 35.1	-1.1
CHJU				eS	Pb	02 36 52.5	-1.4
PAVE	Pavencul	1.38	33	eP	Pn	02 36 35.6	-1.1
PAVE				eS	Pb	02 36 54.0	-1.8
SULM	Suchitepequez,	1.38	79	iP	Sb	02 36 36.9	+0.2
SULM				iS	Sb	02 36 50.4	+4.5
SMSP	San Marcos	1.48	51	eP	Pn	02 36 37.6	-0.4
SMSP				eS	Pb	02 36 58.2	+0.6
SMSP	San Marcos	1.48	51	iP	Sg	02 36 37.0	-1.1
SMSP				iS	Pg	02 36 57.6	0.0
SMSP				IAML		02 37 01.0	
STG3	Santiaguito 3,	1.51	63	iP	Pb	02 36 38.8	-0.1
PCIG		1.68	352	eP	Pn	02 36 39.8	-0.8
PCIG				eS	Pb	02 36 55.7	-7.0
HUEH	Huehuetenango	1.91	48	eP	Pb	02 36 44.7	+1.0
HUEH				eS	Pn	02 37 05.2	-3.5
HUEH	Huehuetenango	1.91	48	iP	Sb	02 36 44.9	-0.9
HUEH				IAML		02 37 23.5	
comp=Z,2j,m,1.0s							
FUG	Fuego 3	2.10	78	iP	Pn	02 36 47.3	+0.8
GUMI	Mixco	2.35	75	iP	Pn	02 36 50.2	+0.1
GUMI				IAML		02 36 57.1	
comp=Z,2j,m,1.0s							
GUMI	Comitan	2.38	20	eP	Sb	02 37 21.1	-2.0
CCIG				eS	Pb	02 36 52.9	-0.9
CCIG	Comitan	2.38	20	iP	Pb	02 37 23.4	-0.2
CCIG				iS	Pb	02 36 53.3	-0.4
CCIG				IAML		02 37 23.3	-0.3
CCIG				IAML		02 37 28.2	
comp=Z,1j,m,1.0s							
CARR	Arriaga	2.38	338	eP	Pn	02 36 50.9	+0.7
CARR				eS	Pn	02 37 18.5	-1.7
GCG4	OSOP	2.42	77	iP	Pn	02 36 52.4	+1.5
GCG4				IAML		02 37 27.5	
comp=Z,1j,m,1.0s							
NBG	Las Nubes	2.60	77	iP	Pb	02 36 56.4	-1.2
GUNB	GUNB	2.60	77	iP	Pb	02 36 54.3	+0.8
GUNB				iS	Pn	02 37 27.2	+1.3
GUNB				IAML		02 37 37.4	
comp=Z,490nm,1.0s							
TGBT	Tuxtla Gutierrez	2.73	357	eS	Pn	02 37 29.3	+0.6
TGBT		2.73	357	eP	Pn	02 36 56.7	+1.5
TGIG				eS	Pn	02 37 28.6	-0.4
LOAL	Lomas de Alarc	3.09	90	iP	Pb	02 37 01.3	+1.3
LOAL				iS	Pn	02 37 34.4	-3.3
LOAL				IAML		02 38 41.3	
comp=Z,2j,m,1.0s							
NUBE	Las Nubes	3.09	92	iP	Pn	02 37 00.0	-0.2
NUBE				IAML		02 37 42.2	
comp=Z,320nm,1.0s							
JUAM	Asuncion Mita	3.17	84	iP	Pb	02 37 06.0	-1.3
JUAM				IAML		02 38 29.2	
comp=Z,520nm,1.0s							
CEVE	Cerro Verde	3.25	93	iP	Pn	02 37 00.9	-1.5
CEVE				iS	Pn	02 37 39.2	-2.7
CEVE				IAML		02 37 55.9	
comp=Z,440nm,1.0s							
UNIC	Universidad Ca	3.32	90	iP	Pn	02 37 02.5	-0.6
UNIC				IAML		02 37 03.8	
comp=Z,200nm,1.0s							
JAYA	Jayaque - finc	3.44	96	iP	Pn	02 37 42.1	-1.2
JAYA				iS	Pn	02 37 04.9	0.0
JAYA				IAML		02 37 41.3	-5.1
JAYA				IAML		02 37 55.6	
comp=Z,490nm,1.0s							
UXUV	UXUV	3.46	341	eP	Pn	02 37 07.2	+2.1
UXUV				eS	Pb	02 37 50.2	-4.5
HUIG	Huatulco	3.50	300	eP	Pn	02 37 05.2	-0.4
HUIG				eS	Pn	02 37 40.9	-6.7
MTOS	Montecristo	3.51	84	iP	Pn	02 37 07.0	+1.0
MTOS				IAML		02 37 56.9	
comp=Z,81nm,1.0s							
ESQI	Esquipulas	3.55	81	iP	Pb	02 37 10.4	-3.3
ESQI				IAML		02 38 17.4	
comp=Z,190nm,1.0s							
PMON	Piamonte	3.56	95	iP	Pn	02 37 07.0	+0.5
PMON				IAML		02 37 57.7	
comp=Z,320nm,1.0s							
CMIG	Matias Romero	3.56	329	Pn	Pn	02 37 07.5	+1.1
CMIG						02 37 47.2	-2.0
comp=Z,3.7nm,0.3s,baz=189,slow=13,SNR=8.8							
CMIG						02 37 47.2	-2.0
comp=Z,12nm,0.3s,baz=136,slow=13,SNR=5.2							
LALI	Alcalda de L	3.58	98	iP	Pn	02 37 10.6	+3.9
LALI				IAML		02 37 33.9	
comp=Z,120nm,1.0s							
SNET	Serv Nac Est T	3.64	95	iP	Pb	02 37 12.6	-2.7
SNET				iS	Pn	02 37 49.3	-2.0
SNET				IAML		02 38 05.5	
comp=Z,500nm,1.0s							
SCLA	Alcaldia de Sa	4.13	94	iP	Pn	02 37 14.5	+0.2
SCLA				IAML		02 38 31.9	
comp=Z,45nm,1.0s							
NEUV	Arroyo Zacate	4.57	324	eP	Pn	02 37 21.9	+1.6
NEUV				eS	Pn	02 38 09.8	-4.2
SCIG	Sabancuy	5.20	19	eP	Pn	02 37 29.6	+0.7
SCIG				eS	Pn	02 38 24.9	-4.6
TOIG	Toxpalan	5.64	316	eP	Pn	02 37 35.4	+0.2
TOIG				eS	Pn	02 38 37.5	-3.3
JAUU	Jalcomulco	6.45	326	eP	Pn	02 37 43.5	-2.8
JAUU				eS	Pn	02 38 58.5	-1.1
TEIG	Tepech	7.62	35 LR	LR	LR	02 40 04.9	
comp=Z,335nm,20.1s,slow=36							
JTS	Las Juntas de	8.67	115 Pn	Pn	Pn	02 38 23.2	+6.4
JTS						02 38 23.2	+6.4
comp=Z,0.8nm,0.3s,baz=309,slow=19,SNR=2.2							
TXAR	Lajitas Array	18.17	329 P	P	P	02 40 24.9	+0.7
TXAR						02 40 24.9	+0.7
comp=Z,0.8nm,0.3s							
TKL	Tuckaleechee C	23.07	19 LR	LR	LR	02 50 53.6	
TKL						02 50 53.6	
comp=Z,55nm,18.8s,baz=153,slow=40							
SADO	Sadowa	32.82	18 LR	LR	LR	02 58 04.9	
SADO						02 58 04.9	
comp=Z,55nm,18.8s,baz=222,slow=41							
NVAR	Mina Array Bea	33.06	322 P	P	P	02 42 50.4	+2.9
NVAR						02 42 50.4	+2.9
comp=Z,0.6nm,0.7s,baz=122,slow=11,SNR=3.5							
MDP	Montagnes des	40.68	99 LR	LR	LR	03 02 43.2	
MDP						03 02 43.2	
comp=Z,0.8nm,18.4s,baz=152,slow=39							
SCHO	Schefferville	45.52	21 LR	LR	LR	03 04 00.1	
SCHO						03 04 00.1	
comp=Z,79nm,18.3s,baz=280,slow=38							
YKA	Yellowknife Ar	50.78	347 P	P	P	02 45 11.7	0.0
YKA						02 45 11.7	0.0
comp=Z,1.2nm,0.7s,baz=150,slow=6.9,SNR=23							
ILAR	Eielson Array	62.44	337 P	P	P	02 46 37.9	+3.3
ILAR						02 46 37.9	+3.3
comp=Z,0.4nm,0.8s,baz=124,slow=4.9,SNR=2.8							
ILAR						03 15 22.1	
comp=Z,26nm,20.2s,baz=18,slow=38							
CMAR	Chiang Mai Arr	145.65	340 PKP	PKIP	PKIP	02 55 57.6	+2.3
CMAR						02 55 57.6	+2.3
comp=Z,1.1nm,0.2s,baz=357,slow=3.1,SNR=4.7							

T Plg39.3160°, Azm287.1230°; N Plg9.8190°, Azm25.2720°; P Plg48.9330°, Azm126.7530°;  
 JMA 19 02:46:52.8,0.1,24:2N:0.0,3:121.8E:0.5,h21km,MV3.7/14,  
 TAIWAN REGION  
 ISC 19 02:46:53.2,0.6,24:23N:0.0,1:121.81E:0.0,1,h18km,1km,  
 n194,0.1818/360,mb3.5/10,13C-23D,Taiwan

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
EHP	Heping Village	0.10	324	Op	ISC	02 46 56.2	-0.8
EHP				Pg		02 46 56.2	-0.8
EHA				S	Sg	02 46 59.0	-0.5
EHAH				S	Sg	02 46 59.0	-0.5
EAHA	Aohua	0.12	329	iP	Pg	02 46 56.3	-0.9
EAHA				S	Sg	02 46 59.2	+2.3
ETL	Fush Village	0.18	249	P	Pg	02 46 57.2	-0.7
ETL				S	Sb	02 47 00.5	+0.4
ETL				S	Sb	02 47 00.5	+0.4
NACB	Ninganchiao	0.20	255	P	Pg	02 46 57.2	-0.9
NACB				Pg	Pg	02 46 57.3	-0.9
NACB				S	Sg	02 47 00.8	-0.8
NACB				S	Sg	02 47 00.8	-0.8
ENA	Nanau	0.21	343	iP	Pg	02 46 57.6	-0.7
ENA				S	Sg	02 47 01.2	-0.2
ENB	Ena	0.21	343	iP	Pg	02 46 57.6	-0.7
EWUT	Wuta	0.22	353	iP	Pb	02 46 57.9	-0.5
EWUT				S	Sb	02 47 01.7	-0.1
EWUT				S	Sb	02 47 01.7	-0.1
TWD	Chiawan	0.24	233	iP	Pg	02 46 58.2	-0.6
TWD				S	Sg	02 47 02.3	-0.2
TWD				S	Sg	02 47 02.3	-0.2
ETLH	Xiulin Townshi	0.30	267	iP	Pg	02 46 58.9	-0.9
ETLH				S	Sg	02 47 03.3	-1.0
ETLH				S	Sg	02 47 03.3	-1.0
HWA	Hwalien	0.31	217	iP	Pb	02 47 00.5	+0.3
HWA				S	Sg	02 47 06.4	+1.6
HWA				S	Sg	02 47 06.4	+1.6
ESAO	Su ao	0.35	5	iP	Pg	02 47 00.1	-0.5
ESAO				S	Sg	02 47 05.0	-0.7
ESAO				S	Sg	02 47 05.0	-0.7
TWC	Suo	0.39	6	iP	Pb	02 47 00.8	-0.7
TWC				S			



EOS3	baz=333	0.48	83	eP	Pn	02 52 13.6	-0.7
EOS3	baz=78			eS	Sn	02 52 22.4	0.0
EOS4	baz=78	0.49	103	eP	Pn	02 52 13.9	-0.3
EOS4	baz=102			eS	Sn	02 52 23.1	+0.8
SHUL	Shoufeng	0.49	206	P	Pb	02 52 12.5	+0.1
SHUL	baz=199			eS	Sn	02 52 22.1	-0.8
WHF	Hehuan Shan	0.49	260	iP	Pg	02 52 11.8	0.0
WHF	baz=260			iS	Sb	02 52 18.9	-0.9
TWE	Neicheng	0.50	347	iP	Pg	02 52 12.0	+0.2
TWE	baz=347			iS	Sg	02 52 18.9	+0.3
FUSS	Fushou	0.50	272	iP	Pb	02 52 12.3	-0.4
FUSS	baz=273			iS	Sg	02 52 18.9	+0.1
ESL	Shilin	0.53	219	iP	Pg	02 52 12.5	0.0
ESL	baz=224			iS	Sb	02 52 20.8	+0.2
ILA	ilan	0.53	355	P	Pb	02 52 12.9	-0.2
ILA	baz=350			iS	Sb	02 52 21.1	+0.5
FUSB	Fushanzhiwuyua	0.56	340	P	Pb	02 52 13.3	-0.3
FUSB	baz=332			S	Sb	02 52 20.8	-0.7
TWT	Tachien	0.57	272	iP	Pb	02 52 13.8	0.0
TWT	baz=272			iS	Sb	02 52 21.5	-0.3
YHNB	Yeheng	0.58	319	P	Pb	02 52 14.0	+0.1
YHNB	baz=319			P	Pb	02 52 13.6	-0.3
YHNB	baz=319			S	Sb	02 52 21.5	-0.6
TDCB	Techi	0.58	272	P	Pb	02 52 13.8	-0.2
TDCB	baz=272			S	Sg	02 52 21.2	0.0
CHGB	Renai	0.59	253	iP	Pb	02 52 13.9	-0.4
CHGB	baz=249			S	Sb	02 52 21.8	-0.8
NSK	Sanguang	0.59	318	iP	Pb	02 52 13.9	-0.3
NSK	baz=318			iS	Sb	02 52 21.8	-0.7
NWLT	Wulai	0.60	334	P	Pb	02 52 14.0	-0.3
NWLT	baz=334			S	Sb	02 52 22.0	-0.7
OWD	Renai	0.63	244	P	Pb	02 52 14.6	-0.2
OWD	baz=245			S	Sb	02 52 23.0	-0.6
WARBT	Fenglin Townsh	0.63	216	iP	Pg	02 52 14.2	-0.2
WARBT	baz=222			S	Sb	02 52 24.3	+0.7
EGFH	Guangfu	0.65	211	P	Pg	02 52 15.0	+0.2
EGFH	baz=226			S	Sb	02 52 25.3	+1.2
WUSB	Renai	0.66	249	iP	Pb	02 52 15.1	-0.3
WUSB	baz=245			S	Sb	02 52 24.0	-0.5
NFF	Wufeng Townshi	0.73	303	P	Pb	02 52 16.6	0.0
NFF	baz=303			S	Sb	02 52 26.0	-0.5
TIPB	Shuangxi	0.74	2	iP	Pg	02 52 16.6	0.0
TIPB	baz=1.0			S	Sg	02 52 26.1	0.0
VWDT	VWDT	0.77	232	iP	Pg	02 52 16.8	-0.1
VWDT	baz=239			S	Sn	02 52 28.2	-1.4
TWA	Mucha	0.77	346	iP	Pb	02 52 17.3	+0.2
TWA	baz=335			iS	Sb	02 52 27.7	+0.3
WHP	Taichung City	0.78	273	P	Pb	02 52 17.5	+0.2
WHP	baz=274			S	Sb	02 52 28.0	+0.2
TATO	Taipei	0.79	339	P	Pn	02 52 18.7	0.0
TATO	baz=338			P	Pn	02 52 18.3	-0.4
TATO	baz=338			S	Sb	02 52 27.9	-0.1
TWB1	Santiao Chiao	0.79	13	iP	Pg	02 52 17.3	-0.1
TWB1	baz=12			S	Sb	02 52 28.1	0.0
WPL	Puli Township	0.80	254	P	Pb	02 52 17.6	0.0
WPL	baz=255			S	Sb	02 52 28.4	+0.1
HGSD	Ruisui	0.81	205	P	Pg	02 52 17.9	+0.2
HGSD	baz=196			eS	Sn	02 52 31.9	+1.1
NJD	Zhudong	0.82	308	eP	Pn	02 52 18.8	-0.2
NJD	baz=313			eS	Sn	02 52 29.4	-1.5
DPDB	Guoxing	0.82	256	P	Pb	02 52 17.9	-0.1
DPDB	baz=257			S	Sb	02 52 29.0	+0.1
LIQB	Emei	0.82	300	P	Pn	02 52 18.5	-0.6
LIQB	baz=300			S	Sn	02 52 29.6	-1.5
NSTT	Nanjuang	0.82	299	iP	Pn	02 52 18.4	-0.8
NSTT	baz=299			iS	Sb	02 52 29.0	-0.1
NWF	Wu-fen Shan	0.83	359	iP	Pg	02 52 18.7	+0.5
NWF	baz=350			iS	Sb	02 52 29.8	+0.3
WFSB	Wu-fen Shan	0.83	359	P	Pn	02 52 18.9	-0.4
WFSB	baz=350			S	Sn	02 52 30.1	-1.3
EHY	Hungye	0.84	211	iP	Pb	02 52 18.0	-0.4
EHY	baz=223			S	Sg	02 52 30.3	+0.9
EHYH	Wanrong	0.84	209	eP	Pg	02 52 18.6	+0.2
EHYH	baz=222			eS	Sn	02 52 30.9	-0.7
SX11	Grass Mountain	0.86	5	P	Pg	02 52 18.9	+0.2
SX11	baz=3.0			S	Sg	02 52 30.7	+0.7
SSLB	Suanglung	0.89	240	P	Pb	02 52 19.0	-0.2
SSLB	baz=250			iP	Pb	02 52 18.7	-0.5
SSLB	baz=250			S	Sb	02 52 30.1	-0.8
NTY	Taoyuan	0.89	329	eP	Pn	02 52 20.8	+0.7
NTY	baz=329			eS	Sn	02 52 33.1	+0.4
SMLT	Sun Moon Lake	0.89	247	iP	Pg	02 52 19.1	-0.1
SMLT	baz=242			S	Sn	02 52 31.8	-1.1
HSN1	Hsinchu	0.89	308	eP	Pn	02 52 20.2	+0.2
HSN1	baz=299			eS	Sn	02 52 32.2	-0.6

TNOU	National Taiwa	0.91	359	P	Pn	02 52 20.1	-0.3
TNOU	baz=357			eS	Sn	02 52 33.2	-0.2
TYC	Fuehr	0.92	249	iP	Pg	02 52 19.6	-0.2
TYC	baz=244			iS	Sg	02 52 32.1	+0.3
NCU	National Centr	0.92	323	eP	Pg	02 52 19.8	0.0
NCU	baz=321			S	Sn	02 52 34.0	+0.5
NCUH	Zhongli	0.92	323	iP	Pb	02 52 19.5	-0.2
NCUH	baz=321			S	Sn	02 52 33.6	+0.1
SBCB	Hsinchu	0.92	307	P	Pn	02 52 20.1	-0.4
SBCB	baz=307			eS	Sg	02 52 32.3	+0.3
TWS1	Kuangyinshan	0.93	338	iP	Pg	02 52 19.9	-0.1
TWS1	baz=337			iS	Sn	02 52 34.3	+0.5
TWQ1	Liyutan	0.94	277	iP	Pn	02 52 21.0	+0.2
TWQ1	baz=278			S	Sn	02 52 33.5	-0.5
HSN	Hsinchu	0.94	307	eP	Pb	02 52 19.5	-0.6
HSN	baz=309			eS	Sn	02 52 33.4	-0.6
YULB	Yu-li	0.95	209	P	Pb	02 52 20.0	-0.3
YULB	baz=221			P	Pb	02 52 19.8	-0.5
YULB	baz=221			eS	Sg	02 52 33.0	+0.1
NSY	Sanyi	0.96	281	iP	Pn	02 52 21.7	+0.7
NSY	baz=282			iS	Sn	02 52 34.8	+0.3
NMLH	Miaoqi	0.96	289	iP	Pn	02 52 21.9	+0.8
NMLH	baz=295			eS	Sn	02 52 36.3	+1.7
ECBN	Changbin	0.96	199	eP	Pb	02 52 19.6	-0.9
ECBN	baz=201			eS	Sn	02 52 35.1	+0.6
NTST	Danshui	0.98	341	iP	Pn	02 52 22.6	+1.3
NTST	baz=340			iS	Sn	02 52 36.0	+1.1
ANP	Anpu	0.98	345	iP	Pn	02 52 21.1	-0.3
ANP	baz=344			eS	Sn	02 52 34.5	-0.7
EYUL	Yuli	0.98	206	iP	Pb	02 52 20.3	-0.4
EYUL	baz=226			eS	Sn	02 52 34.8	-0.3
TWF1	Yuli	0.99	208	iP	Pb	02 52 19.7	-1.1
TWF1	baz=212			S	Sg	02 52 34.2	+0.2
WHYT	Xinyi Township	1.01	238	P	Pg	02 52 21.4	-0.2
WHYT	baz=246			S	Sn	02 52 36.5	+0.6
WWF	Wufeng	1.02	260	eP	Pn	02 52 22.5	+0.7
WWF	baz=256			S	Sn	02 52 38.6	+2.7
NHW	Xinwu Township	1.03	319	eP	Pg	02 52 21.8	0.0
NHW	baz=317			eS	Pn	02 52 36.3	+0.2
TWY	Chenthua	1.05	350	iP	Pg	02 52 22.9	+0.6
TWY	baz=333			S	Sg	02 52 36.1	0.0
WJS	Zhushan	1.06	247	P	Pg	02 52 23.6	+1.3
WJS	baz=245			eS	Sn	02 52 37.6	+0.7
WDJ	Dajia District	1.06	276	P	Pg	02 52 23.6	+1.1
WDJ	baz=278			S	Sn	02 52 39.0	+2.0
WNT1	Nantou City	1.07	253	P	Pg	02 52 24.1	+1.5
WNT1	baz=251			S	Sn	02 52 39.9	+2.7
WNT	Mingjian	1.07	251	iP	Pg	02 52 23.4	+0.7
WNT	baz=250			iS	Sn	02 52 39.1	+1.7
CHKH	Chenggong	1.10	200	P	Pb	02 52 21.8	-1.0
CHKH	baz=219			S	Sn	02 52 39.4	+1.5
FULB	Fuli	1.13	204	P	Pb	02 52 21.2	-2.1
FULB	baz=225			eS	Pn	02 52 39.1	+0.7
YOJ	Yonaguni jima	1.13	78	P	Pb	02 52 23.6	+0.3
YOJ	baz=63			eS	Pn	02 52 23.1	-0.2
WCHH	Zhanghua	1.14	263	eP	Pg	02 52 41.1	+2.5
WCHH	baz=279			eS	Sg	02 52 24.2	+0.3
ALS	Alishan	1.16	232	iP	Pb	02 52 23.6	-0.3
ALS	baz=234			S	Sn	02 52 40.6	+0.8
CHKT	Chengkung	1.20	199	iP	Pn	02 52 24.0	-0.3
CHKT	baz=187			iS	Sg	02 52 40.9	+0.3
EHD	Haiduan	1.21	207	P	Pn	02 52 23.6	-0.8
EHD	baz=212			S	Sn	02 52 40.2	-0.4
ECS	Chishang	1.25	205	eP	Pn	02 52 24.2	-0.8
ECS	baz=210			eS	Sg	02 52 42.5	+0.1
WGK	Gukeng	1.25	244	eP	Pg	02 52 27.1	+1.0
WGK	baz=249			S	Sg	02 52 45.2	+2.8
ELDTW	Lidau	1.26	215	iP	Pn	02 52 24.3	-0.9
ELDTW	baz=205			eS	Sn	02 52 41.9	-0.2
WDLH	Douliu	1.27	245	iP	Pg	02 52 26.6	+0.1
WDLH	baz=249			S	Sg	02 52 44.7	+1.7
EDH	Donghe	1.33	200	P	Pn	02 52 24.4	-1.8
EDH	baz=190			iS	Sb	02 52 43.6	0.0
WRL	Guolierlin Hig	1.34	256	P	Pb	02 52 26.8	0.0
WRL	baz=260			S	Sg	02 52 45.9	+0.7
WCKO	Fanlu	1.35	234	P	Pg	02 52 27.5	-0.4
WCKO	baz=239			S	Sg	02 52 47.1	+1.6
RLNB	Erlin	1.36	256	eP	Pn	02 52 27.9	-0.1
RLNB	baz=260			eS	Sg	02 52 47.9	+2.2
CHN2	Minshiang	1.40	240	eP	Pg	02 52 28.2	-0.6
CHN2	baz=245			S	Sg	02 52 50.0	+3.1
WTK	Tuku	1.40	247	P	Pn	02 52 27.1	+0.1
WTK	baz=252			iS	Sg	02 52 48.2	+1.2
CHN4	Tsashan	1.41	232	iP	Pg	02 52 28.8	-0.2
CHN4	baz=236						

CHN4	baz=236			iS	Sg	02 52 49.4	+2.0
STYH	Taoyuan	1.41	222	P	Pn	02 52 26.7	-0.5
STYH	baz=226			S	Sg	02 52 47.1	-0.3
PCYT	Pengchaiyu	1.41	10	eP	Pn	02 52 24.9	-2.3
PCYT	baz=5.0			S	Sg	02 52 48.5	+0.9
TPUB	Ta-pu	1.41	229	P	Pg	02 52 29.5	+0.3
TPUB	baz=233			S	Sg	02 52 28.8	-0.3
STYT	Tauyuan	1.43	222	iP	Pn	02 52 25.9	-1.6
STYT	baz=233			iS	Sg	02 52 48.5	+0.5
LONT	Longtian	1.45	205	iP	Pn		



ULN	Ulaanbaatar	31.31	289	eP	P	03 42 55.0	+1.4
ULN	comp=Z,2.0nm,0.9s				pmax		
J18K	Innoko City	31.41	41	P	P	03 42 54.3	+0.2
GCSA	Galena City Sc	31.54	38	P	P	03 42 54.7	-0.5
F19K	Shalerucik Mo	31.61	34	P	P	03 42 56.1	+0.3
C19K	Lookout Ridge	31.61	30	P	P	03 42 56.2	+0.3
TTA	Tatalina	31.66	42	P	P	03 42 56.8	+0.3
G19K	Purcell Moun	31.72	36	P	P	03 42 57.2	+0.4
S0NM	Songino Array	31.74	289	P	P	03 42 58.1	+0.7
S0NM	comp=Z,0.3nm,0.3s,baz=69,slow=7.9,SNR=1.9				LR	03 55 29.9	
H19K	Roundabout Mou	31.85	37	P	P	03 42 59.4	+1.4
H19K	comp=Z,7.2nm,0.7s				IAMB	03 43 00.0	
H19K	Roundabout Mou	31.85	37	P	P	03 42 58.2	+0.3
D19K	Kuna River	31.93	31	P	P	03 42 59.3	+0.6
D19K	comp=Z,6.6nm,1.1s				IAMB	03 43 02.5	
D19K	Kuna River	31.93	31	P	P	03 42 58.4	-0.3
J19K	Poorman	31.96	40	P	P	03 42 58.2	-0.8
E19K	Redstone River	31.97	33	P	P	03 42 59.8	+0.9
E19K	comp=Z,8.8nm,1.4s				IAMB	03 43 08.6	
E19K	Redstone River	31.97	33	P	P	03 42 58.9	-0.1
L19K	White Mountain	32.14	43	P	P	03 43 00.0	-0.5
F20K	Avaraant Lake	32.44	34	P	P	03 43 03.1	0.0
H20K	Anoteleega Mo	32.49	37	P	P	03 43 04.0	+0.4
D20K	Etiulik River	32.52	31	P	P	03 43 04.1	+0.3
E20K	Nigu River	32.55	32	P	P	03 43 04.4	+0.3
K20K	Telida	32.58	41	P	P	03 43 04.7	+0.2
L20K	Farewell, AK	32.61	43	P	P	03 43 04.7	0.0
J20K	Nowitza River	32.63	40	P	P	03 43 04.7	-0.1
Q19K	Cape Douglas,	32.70	49	P	P	03 43 05.5	-0.1
B20K	Meade River	32.72	29	P	P	03 43 05.6	+0.2
M20K	Styx River	32.93	44	P	P	03 43 07.9	+0.3
OHAK	Old Harbor	33.01	53	P	P	03 43 08.4	+0.2
G21K	Allakaket	33.21	35	P	P	03 43 09.6	-0.2
C21K	Knifeflade Rid	33.27	31	P	P	03 43 09.8	-0.6
F21K	Alatna River	33.34	34	P	P	03 43 10.6	-0.4
KDAK	Kodiak Island	33.34	52	P	P	03 43 10.9	-0.1
H21K	Melozitna Rive	33.37	37	P	P	03 43 11.8	+0.6
H21K	comp=Z,5.2nm,0.8s				IAMB	03 43 12.9	
H21K	Melozitna Rive	33.37	37	P	P	03 43 10.9	-0.3
E21K	Kilik River	33.39	32	P	P	03 43 11.3	-0.2
CHUM	Lake Minchumin	33.41	40	P	P	03 43 11.9	+0.4
PPLA	Purkeypyle	33.41	42	P	P	03 43 11.4	-0.4
B21K	Ikpikpuk River	33.45	30	P	P	03 43 13.1	+1.2
B21K	comp=Z,12nm,1.0s				IAMB	03 43 13.8	
B21K	Ikpikpuk River	33.45	30	P	P	03 43 10.9	-1.0
CAST	Castle Rocks	33.48	41	P	P	03 43 11.2	-1.1
I21K	Tanana	33.66	38	P	P	03 43 13.8	+0.1
SKT	Skwentna	33.69	44	P	P	03 43 13.9	-0.2
A22K	Sinclair Lake	33.72	27	P	P	03 43 13.9	-0.3
F22K	John River	33.88	34	P	P	03 43 15.4	-0.3
D22K	Ayikyak River	33.95	31	P	P	03 43 15.9	-0.3
H22K	Ishlitaina Cre	33.98	37	P	P	03 43 17.0	+0.4
BPAW	Bear Paw Mtn.	34.00	40	P	P	03 43 16.7	-0.1
B22K	Teshkepuk Lake	34.03	29	P	P	03 43 17.6	+0.7
B22K	comp=Z,15nm,1.4s				IAMB	03 43 19.1	
B22K	Teshkepuk Lake	34.03	29	P	P	03 43 16.7	-0.2
G22K	Bettles	34.05	35	P	P	03 43 17.0	-0.1
SUA	Susitna One	34.07	45	P	P	03 43 17.4	-0.1
E22K	Anaktuvuk Pass	34.12	33	P	P	03 43 18.9	+1.1
E22K	Anaktuvuk Pass	34.12	33	P	P	03 43 18.0	+0.2
MLY	Manley	34.17	38	P	P	03 43 19.5	+1.2
MLY	comp=Z,4.5nm,0.9s				IAMB	03 43 20.2	
MLY	Manley	34.17	38	P	P	03 43 18.8	+0.5
CUT	Chuitina	34.28	43	P	P	03 43 18.7	-0.5
TRF	Thorofare Moun	34.29	41	P	P	03 43 19.0	-0.5
RC01	Rabbit Creek A	34.57	45	P	P	03 43 21.9	+0.2
COLD	Coldfoot	34.60	35	P	P	03 43 22.1	+0.2
G23K	Bananza Creek	34.61	35	P	P	03 43 22.0	-0.1
D23K	Nanushuk River	34.67	31	P	P	03 43 22.9	+0.3
H23K	Yukon River	34.73	37	P	P	03 43 24.5	+1.4
H23K	Yukon River	34.73	37	P	P	03 43 23.6	+0.5
I23K	Minto, Yukon-K	34.76	38	P	P	03 43 24.6	+1.3
PMR	Palmer	34.84	45	P	P	03 43 24.8	+0.8
C23K	Ikilik River	34.86	30	P	P	03 43 24.9	+0.8
C23K	comp=Z,6.7nm,0.9s				IAMB	03 43 25.9	
C23K	Ikilik River	34.86	30	P	P	03 43 25.3	+1.2
NEA2	Nenana	34.86	39	P	P	03 43 25.2	+1.0
NEA2	Nenana	34.86	39	P	P	03 43 24.7	+0.6
MCK	McKinley	34.90	41	P	P	03 43 25.2	+0.7
E23K	Chandler	34.93	33	P	P	03 43 24.7	-0.1
TOLK	Toolik Lake Re	35.02	32	P	P	03 43 25.3	-0.3
KNK	Knik Glacier	35.17	45	P	P	03 43 27.1	+0.2
SML	Sawmill	35.21	44	P	P	03 43 27.9	+0.6
SML	Sawmill	35.21	44	P	P	03 43 27.3	0.0
MDM	Murphy Dome	35.23	39	P	P	03 43 27.3	-0.1
MDM	comp=Z,5.4nm,0.7s				IAMB	03 43 29.2	
D24K	Happy Valley	35.37	31	P	P	03 43 29.5	+1.1
D24K	comp=Z,6.5nm,0.7s				IAMB	03 43 29.9	
D24K	Happy Valley	35.37	31	P	P	03 43 29.0	+0.6
COLA	College	35.39	39	P	P	03 43 28.9	+0.2
COLA	College	35.39	39	eP	P	03 43 27.9	-0.8
COLA				pmax	pmax		

H24K	Noodor Dome	35.41	37	P	P	03 43 30.2	+1.2
H24K	comp=Z,8.0nm,0.8s				IAMB	03 43 33.5	
H24K	Noodor Dome	35.41	37	P	P	03 43 29.1	+0.1
WAT6	Susitna Watana	35.45	43	P	P	03 43 29.7	+0.2
C24K	Franklin Bluff	35.49	30	P	P	03 43 30.0	+0.5
M23K	Glacier View	35.50	44	P	P	03 43 29.9	+0.2
F24K	Squaw Lake	35.52	34	P	P	03 43 30.5	+0.6
F24K	comp=Z,3.7nm,0.7s				IAMB	03 43 32.7	
F24K	Squaw Lake	35.52	34	P	P	03 43 30.1	+0.2
POKR	Poker Plat Res	35.57	38	P	P	03 43 30.5	+0.2
DHY	Denali Highway	35.61	42	P	P	03 43 30.7	0.0
G24K	Hadweenzic Riv	35.62	36	P	P	03 43 31.8	+1.1
G24K	Hadweenzic Riv	35.62	36	P	P	03 43 30.2	-0.5
SCM	Sheep Creek Mo	35.69	44	P	P	03 43 31.0	-0.4
HDA	Harding Lake	35.77	40	P	P	03 43 32.6	+0.6
HDA	comp=Z,5.5nm,0.6s				IAMB	03 43 33.1	
HDA	Harding Lake	35.77	40	P	P	03 43 32.2	+0.2
IL31	IL31	35.80	39	P	P	03 43 32.7	+0.5
ILAR	Eielson Array	35.80	39	P	P	03 43 31.0	-1.3
ILAR	comp=Z,1.6nm,0.6s,baz=254,slow=7.0,SNR=20						
ILAR	Eielson Array	35.80	39	P	P	03 43 31.0	-1.3
GLI	Glacier Island	35.87	46	P	P	03 43 33.0	+0.1
G25K	Bearman Lake	36.17	36	P	P	03 43 35.7	+0.4
M24K	Tolsona, Glenn	36.21	43	P	P	03 43 35.0	-0.8
D25K	Kavik River	36.25	31	P	P	03 43 37.2	+1.1
D25K	Kavik River	36.25	31	P	P	03 43 35.4	-0.7
H25L	Birch Creek	36.27	36	P	P	03 43 35.9	-0.3
K24K	Donnelly Dome	36.30	41	P	P	03 43 36.5	0.0
PRP	Porcupine Dome	36.38	38	P	P	03 43 38.4	+1.0
PRP	comp=Z,5.7nm,0.8s				IAMB	03 43 39.1	
PRP	Porcupine Dome	36.38	38	P	P	03 43 37.7	+0.3
KLU	Klutina	36.38	45	P	P	03 43 36.7	-0.6
F25K	Christian River	36.38	34	P	P	03 43 36.5	-0.8
E25K	Arctic Village	36.44	33	P	P	03 43 38.9	+1.2
E25K	Arctic Village	36.44	33	P	P	03 43 37.5	-0.3
J25K	Salcha River,	36.45	39	P	P	03 43 37.2	-0.7
J25K	comp=Z,3.9nm,0.8s				IAMB	03 43 38.4	
J25K	Salcha River,	36.45	39	P	P	03 43 36.8	-1.1
PAX	Paxson	36.48	42	P	P	03 43 38.1	-0.1
HARP	HAARP	36.66	43	P	P	03 43 39.7	0.0
RIDG	Independent Ri	36.72	41	P	P	03 43 39.3	-0.9
C26K	Camden Bay	36.82	30	P	P	03 43 40.1	-0.7
F26K	Sheenjek River	36.96	34	P	P	03 43 42.2	+0.1
BMRM	Bremner River	37.07	45	P	P	03 43 44.0	+0.8
SCRK	Sand Creek	37.08	40	P	P	03 43 42.5	-0.9
G26K	Porcupine Rive	37.09	35	P	P	03 43 42.8	-0.3
J26L	Joseph Creek	37.24	39	P	P	03 43 45.0	+0.4
L26K	Log Cabin Wild	37.44	42	P	P	03 43 47.6	+1.3
M26K	Nabesna, AK	37.66	43	P	P	03 43 50.0	+1.8
M26K	comp=Z,10nm,1.1s				IAMB	03 43 51.4	
M26K	Nabesna, AK	37.66	43	P	P	03 43 49.0	+0.8
MCAR	McCarthy VSAT	37.77	44	P	P	03 43 49.5	+0.5
CRQE	Cirque	37.83	45	P	P	03 43 50.2	+0.6
K27K	Chicken	37.92	40	P	P	03 43 51.5	+1.3
K27K	comp=Z,10nm,0.9s				IAMB	03 43 52.3	
K27K	Chicken	37.92	40	P	P	03 43 50.8	+0.5
G27K	Doyon Strip	37.93	36	P	P	03 43 50.6	+0.3
E27K	Coleen River	37.93	33	P	P	03 43 51.8	+1.4
E27K	Coleen River	37.93	33	P	P	03 43 50.7	+0.4
I27K	Kank River	38.00	37	P	P	03 43 50.9	-0.1
H27K	Steamboat Moun	38.00	36	P	P	03 43 51.3	+0.3
L27K	Beaver Creek,	38.13	42	P	P	03 43 53.4	+1.3
L27K	Beaver Creek,	38.13	42	P	P	03 43 52.4	+0.4
BCAR	Beaver Creek A	38.15	42	P	P	03 43 53.5	+1.3
D27M	Malcolm River	38.17	32	P	P	03 43 53.2	+0.9
D27M	Malcolm River	38.17	32	P	P	03 43 51.8	-0.5
M27K	Edge Creek, AK	38.19	43	P	P	03 43 54.0	+1.3
M27K	comp=Z,14nm,1.3s				IAMB	03 43 57.3	
M27K	Edge Creek, AK	38.19	43	P	P	03 43 52.7	0.0
EGAK	Eagle	38.25	39	P	P	03 43 53.2	+0.2
EGAK	comp=Z,7.7nm,0.8s				IAMB	03 43 54.1	
EGAK	Eagle	38.25	39	P	P	03 43 53.3	+0.3
F28M	Old Crow	38.60	34	P	P	03 43 57.4	+1.5
F28M	comp=Z,4.6nm,0.7s				IAMB	03 43 58.4	
F28M	Old Crow	38.60	34	P	P	03 43 55.8	-0.1
CTG	Chitna Glacier	38.65	45	P	P	03 43 56.3	-0.3
BVCY	Beaver Creek	38.65	43	P	P	03 43 56.6	+0.2
E28M	Babbage River	38.69	33	P	P	03 43 56.9	+0.2
I28M	Miner Creek	38.71	38	P	P	03 43 58.1	+1.1
I28M	comp=Z,8.2nm,1.1s				IAMB	03 43 58.9	
I28M	Miner Creek	38.71	38	P	P	03 43 56.6	-0.3
YUK3	Moose Creek	38.93	44	P	P	03 43 58	

19d 3h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like CMAR Chiang Mai Arr, AAK Ala-Archa, NEEM North Greenlan, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like NOA NORSTAR Array B, ISCO Idaho Springs, HFS Hagfors, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like PKME Peaks-Kenny Pk, RETA Reutte, MOTA Mosaic, etc.

UPA 19 03:41:05.9; 1.7; 45N; 82.70W; h22km; 10km, MW3.8
CATAC 19 03:41:09.5; 0.7; 7.55N; 82.99W; h101km; gkm, ML3.2
ISC 19 03:41:04.1; 2.6; 7.4N; 0.1; 82.71W; 0.06; h14km; 12km, n23,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like PTPM Petroterminale, DVD David, PIRO Carate, Puerto, etc.

IDC 19 03:54:04.1; 3.0; 43.87N; 127.80W; h0km, mb3.3,
mbtmp3.4/6, ML2.9/3, MS3.1/8, Error ellipse: s-maj=62.5km
s-min=16.0km az=53.0
NEIC 19 03:54:06.0; 1.5; 43.75N; 0.08; 127.77W; 0.04; h10km; 2km,
ML3.1/6/6, Error ellipse: s-maj=13.9km s-min=4.6km

ISC 19 03:54:04.7; 1.9; 43.78N; 0.09; 127.9W; 0.1; h10km, n62,
c1810/49, Off coast of Oregon

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like J01E Myrtle Point, J01E, J01E, etc.



R32A Long Quarter, 85.21 43 P Amb P 05 10 26.2 -4.7
R32A comp=Z,7.6nm,1.2s

TIR 19 05:35:58.0, 41.93N,20.29E, h5km,2km, MD3.5, MI3.7
RHSSO 19 05:35:58.9, 0.6, 41.89N,20.24E, h4km,2km, ML3.7/13
PRU 19 05:35:59.5, 41.78N,20.25E, h1km

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists various stations like PUK, BCI, TIR, etc. with their respective coordinates and data.

Main table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists numerous stations including TRUS, HAPS, Zajeac, IGT, SVIS, THE, BLKB, LIT, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like H11N3, H11S3, H11S1, etc. Includes a section for IDC 19 05:59:48.8, 3.6, 55.58N, 86.17E.



Table with columns: Station Name, IAML, Time, Res, and various numerical values. Includes stations like BRLL, HOM, ANCK, KVTA, KAHC, SEW, P19K, P19K, P19K, O22K, O22K, SLKM, P18K, P18K, HIN, KAIM, KAIM, Q16K, Q16K, CHGN, CHGN, CAPN, EYAK, EYAK, EYAK, P17K, P17K, O18K, O18K, O19K, RAGM, GLI, GLI, NICH, HMT, RC01, BERG, SNH, KHIT, N20K, SPCR, KNK, S14K, P16K, P16K, SPCP, N19K, N19K, BMRM, BMRM, SUA, SUA, WAX, O17K, O17K, PMR, PMR, STLK, CROM, CROL, KLU, KLU, TGL, N18K, N18K, BAGL, ISLE, O16K, O16K, SML, SML, SCM, VDRD, SDPT, SDPT, SVW2, KIAG, N17K, TABL, N25K, N25K, GRNC, SKT, GLB, M20K, PTFK, MCARA, PNL, PNL, PNL, M24K, BCPM, O15K, O15K, BARN, CTGM, LOGN, M18K, M18K, WAT6, WAT6, O28M, O28M, HARP, HARP, HARP, L19K, L19K.

Table with columns: Station Name, Time, Res, and various numerical values. Includes stations like M17K, M17K, N15K, N15K, O29M, O29M, P29M, P29M, O14K, O14K, M16K, M16K, M26K, S31K, DHY, DHY, L18K, M27K, RND, YUK6, YUK6, TRF, M15K, M15K, P30M, P30M, KTH, L16K, TTA, FAK, L27K, BCAR, K17K, BPAW, N30M, J18K, M29M, M13K, J20K, J19K, N31M, K15K, P32M, ILO3, J26L, MDM, L29M, MLY, I23K, J16K, H21K, R33M, FARG, H18K, IMAR, G21K, F21K, F24K, B21K, C23K, INK, B20K, LON, LON, A36M, A36M.

Table with columns: Station Name, Time, Res, and various numerical values. Includes stations like KST, IZV, IZV, IZV, MTBS, MTBS, MTBS, ARK, ARK, MRKS, MRKS, TNSS, TNSS, TNSS, ANVS, ANVS, DGS, DGS, DGS, DGS, MNAS, MNAS, MDOK, MDOK, MDOK, MDOK, KOTS, KOTS, KOTS, BTK, SATY, SATY, SATY, SATY, KTBS, KTBS, KTBS, CHHK, CHHK, CHHK, ARXS, ARXS, ARXS, IUG, IUG, IUG, BLB, BLB, KK31, KK31, KK31, BTLS, BTLS, BRLS, BRLS, DJR, DJR, I46RU, ZALV, ZALV, KURBB, KURBB, KURBB, MKAR, MKAR.

BJI 19 06:34:43.0, 0.0, 28:30N:51.60E, h5km, mb5.6/95, mB5:7/74, Ms5:0/99, M5:7/92, GII 19 06:34:45.0, 0.0, 28:29N:51.61E, h10km, confirmed, THR 19 06:34:45.0, 0.0, 28:29N:51.52E, h14km, M5.3, MWS.8, NEIC 19 06:34:46.2, 28:33N:51.61E, h10km



Table with columns for station name, frequency, power, and other technical details. Includes stations like AMAZ, SLDI, SLTI, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like DRK, ISP, IUG, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like SGDS, Sogindy, TMBK, etc.

Table with columns for station name, frequency, power, and signal quality. Includes stations like KIS, KOKK, GRRR, SATY, etc.

Table with columns for station name, frequency, power, and signal quality. Includes stations like VOIR, DOPR, KPRO, etc.

Table with columns for station name, frequency, power, and signal quality. Includes stations like SVE, STNU, PUK, etc.





GDLE	comp=Z,268nm,1.0s	IAMB	IAMB	06 43 13.0					
NR1K	Noril'sk	45.98	17	P	P	06 43 10.5 +1.4			
NR1K	comp=Z,189nm,1.2s	IAMB	IAMB	06 43 11.8					
NR1K	Noril'sk	45.98	17	P	P	06 43 09.7 +0.6			
NR1K	comp=Z,67nm,0.8s,baz=224,slow=5.6,SNR=108	LR	LR	07 06 01.2					
NR1K	Noril'sk	45.98	17	P	P	06 43 10.1 +1.0			
NR1K	comp=Z,104nm,1.0s	pmax	pmax						
NR1K	comp=Z,8um,17.0s	MLR	MLR						
SRDT	SRDT	46.02	97	P	P	06 43 11.4 +1.3			
CHAS	Isa Isabel II	46.07	293	P	P	06 43 09.4 -0.8			
LBWR	Ladybowser, Pea	46.17	318	eP	P	06 43 10.0 -0.8			
SONM	Songino Array	46.20	50	P	P	06 43 12.2 +0.9			
SONM	Songino Array	46.20	50	P	P	06 43 12.2 +0.9			
SONM	comp=Z,35nm,0.9s,baz=251,slow=9.6,SNR=45	PcP	PcP	06 44 46.7 -0.2					
SONM	comp=Z,9.2nm,0.8s,baz=251,slow=3.9,SNR=1.9	IAMB	IAMB						
EBER	Berja	46.24	295	P	P	06 43 12.1 +0.3			
UCM	Universidad Co	46.27	300	P	P	06 43 11.4 -0.4			
MONM	Monmouth	46.53	316	eP	IAMB	06 43 12.7 -1.0			
EDMD	Edmundbyers	46.59	320	eP	P	06 43 13.7 -0.4			
ULN	comp=Z,226nm,1.0s	IAMB	IAMB						
ULN	Ulanbatar	46.65	50	P	P	06 43 15.7 +0.9			
ULN	comp=Z,56nm,0.9s	IAMB	IAMB						
ULN	Nakonsritamara	46.65	50	P	P	06 43 15.5 +0.7			
ULN	comp=Z,128nm,1.7s	pmax	pmax						
ULN	comp=Z,128nm,1.7s	MLR	MLR						
MCH1	MCh1	46.69	316	eP	P	06 43 14.1 -0.8			
MCH1	MCh1	46.69	316	eP	IAMB	06 43 19.2			
HLM1	HLM1	46.70	317	eP	P	06 43 14.1 -0.9			
HLM1	HLM1	46.70	317	eP	IAMB	06 43 19.6			
OPO	Ambohiratempo	46.82	186	LR	LR	07 03 05.4			
ESDC	Sonsec Array	46.85	299	P	IAMB	06 43 16.1 -0.3			
ESDC	comp=Z,187nm,1.6s	IAMB	IAMB						
ESDC	Sonsec Array	46.85	299	P	P	06 43 16.1 -0.3			
ESDC	comp=Z,39nm,1.0s,baz=80,slow=7.4,SNR=49	PcP	PcP	06 44 48.9 -0.3					
ESDC	comp=Z,12nm,0.9s,baz=60,slow=4.6,SNR=2.2	ScP	ScP	06 48 40.5 -1.6					
ESDC	comp=Z,12nm,1.0s,baz=59,slow=3.8,SNR=8.1	LR	LR	07 07 27.1					
ESDC	comp=Z,1um,18.1s,baz=74,slow=42	LR	LR						
FOEL	comp=Z,39nm,1.0s	IAMB	IAMB						
FOEL	Foel Wylfa	46.95	317	eP	P	06 43 16.7 -0.2			
PAB	San Pablo	47.16	299	P	P	06 43 18.6 -0.2			
PAB	comp=Z,142nm,1.2s	IAMB	IAMB						
PAB	San Pablo	47.16	299	P	P	06 43 18.6 -0.2			
PAB	comp=Z,142nm,1.2s	pmax	pmax						
LLW	Llanuwchllyn	47.22	317	eP	P	06 43 18.7 -0.4			
LLW	comp=Z,77nm,0.9s	IAMB	IAMB						
ABPO	Ambohimpanop	47.26	186	P	IAMB	06 43 21.0 +1.2			
ABPO	comp=Z,49nm,0.8s	IAMB	IAMB						
ABPO	Ambohimpanop	47.26	186	P	P	06 43 21.0 +1.2			
ABPO	comp=Z,49nm,0.8s	pmax	pmax						
EKA	Eskdalemuir Ar	47.37	321	P	P	06 43 19.3 -0.9			
EKA	comp=Z,20nm,0.6s,baz=109,slow=7.8,SNR=36	PcP	PcP	06 44 50.6 0.0					
EKA	comp=Z,8.2nm,0.8s,baz=92,slow=4.3,SNR=1.4	ScP	ScP	06 48 41.6 -2.3					
ESK	Eskdalemuir	47.39	321	eP	P	06 43 19.3 -1.0			
ESK	comp=Z,77nm,1.1s	IAMB	IAMB						
ESK	Eskdalemuir	47.39	321	P	P	06 43 19.5 -0.8			
ESK	comp=Z,82nm,1.1s	IAMB	IAMB						
ESK	Eskdalemuir	47.39	321	P	P	06 43 19.5 -0.8			
ESK	comp=Z,82nm,1.1s	pmax	pmax						
LRW	Lerwick	47.55	327	eP	P	06 43 20.9 -0.6			
LRW	comp=Z,82nm,1.1s	IAMB	IAMB						
SLVN	Son La	47.59	86	IAMB	IAMB	06 43 24.6			
SLVN	comp=Z,175nm,0.8s	IAMS_20	IAMS_20	07 07 08.4					
SLVN	comp=Z,87nm,1.0s	IAMS_20	IAMS_20						
WLF1	WLF1	47.73	318	eP	P	06 43 22.1 -0.8			
WLF1	comp=Z,3um,18.0s	IAMB	IAMB						
RSBS	Rosebush, 0.7s	47.76	316	eP	P	06 43 22.5 -0.7			
RSBS	comp=Z,39nm,0.7s	IAMB	IAMB						
NEWG	New Galway	47.93	320	eP	P	06 43 24.1 -0.4			
NEWG	comp=Z,206nm,1.1s	IAMB	IAMB						
NONG	Nonngai	48.07	91	P	P	06 43 26.8 +0.7			
INVG	Invergoldie, C	48.08	322	eP	IAMB	06 43 24.9 -0.7			
INVG	comp=Z,188nm,1.0s	IAMB	IAMB						
PGBU	Glenifferbraes	48.20	321	eP	P	06 43 26.3 -0.3			
PGBU	comp=Z,105nm,1.0s	IAMB	IAMB						
MDT	Midelt	48.21	290	LR	LR	07 08 10.4			
GYA	Gulyang	48.48	79	P	P	06 43 29.5 +0.2			
GYA	comp=Z,2um,18.9s,baz=99,slow=42	PP	PP	06 45 23.6 +1.5					
GYA	comp=Z,140nm,1.0s	S	S	06 50 25.4 -4.4					
GYA	comp=Z,940nm,8.2s	pmax	pmax						
GYA	comp=Z,4um,22.0s	LR	LR						
GYA	comp=Z,1um,26.6s	LR	LR						
GYA	comp=Z,2um,24.0s	LR	LR						
MSLI	Meulaboh, Aceh	48.71	111	P	P	06 43 30.8 -0.3			
XAN	X'an	48.75	68	P	P	06 43 31.3 +0.1			
XAN	comp=Z,167nm,0.8s	sP	sP	06 43 38.4 -0.9					
XAN	comp=Z,110nm,1.4s	PP	PP	06 45 28.8 +4.5					
XAN	comp=Z,110nm,1.4s	S	S	06 50 33.1 -0.2					
XAN	comp=Z,11um,16.6s	SS	SS	06 54 02.6 -1.0					
XAN	comp=Z,11um,16.6s	pmax	pmax						
LAWE	Loch Awe, Argy	48.79	321	eP	P	06 43 30.6 -0.4			
LAWE	comp=Z,157nm,1.0s	IAMB	IAMB						
TOAD	Torodi Ar. Sit	48.81	263	P	P	06 43 31.6 -0.2			
TORD	Torodi Ar. Bea	48.81	263	P	P	06 43 31.6 -0.2			
TORD	Torodi Ar. Bea	48.81	263	P	P	06 43 31.6 -0.2			
TORD	comp=Z,114nm,0.9s,baz=60,slow=10,SNR=57	ScP	ScP	06 48 49.1 -1.6					
TORD	comp=Z,19nm,1.2s,baz=49,slow=6.7,SNR=5.3	LR	LR	07 06 12.8					
TORD	comp=Z,8um,18.4s,baz=61,slow=39	LR	LR						
TORD	comp=Z,6.4nm,1.1s,baz=276,slow=2.8,SNR=5.7	PKKP	PKKP	07 06 16.4 +4.6					
TORD	comp=Z,114nm,0.9s	P	P	06 43 32.1 +0.5					

BTO	comp=Z,320nm,1.0s	pP	pP	06 43 38.3 +0.9					
BTO	comp=Z,2um,8.7s	pp	pp	06 45 27.5 +2.7					
BTO	comp=Z,7um,14.4s	S	S	06 50 36.3 +2.2					
BTO	comp=Z,10um,18.9s	pmax	pmax						
BTO	comp=Z,10um,18.9s	LR	LR						
BTO	comp=Z,7um,14.4s	LR	LR						
BTO	comp=Z,10um,18.9s	LR	LR						
BTO	comp=Z,17um,17.0s	LR	LR						
PBRG	Braganca	48.82	302	eP	P	06 43 31.6 -0.1			
PBRG	comp=Z,168nm,1.8s	iLQ	LQ	06 43 35.8					
PBRG	Surathani	48.85	103	P	P	06 43 32.2 +0.1			
PBRG	Dublin	48.90	317	IAMB	IAMB	06 43 37.2			
PBRG	Lusaka	48.96	211	P	P	06 43 33.4 +0.4			
PBRG	comp=Z,90nm,1.2s	IAMB	IAMB						
PBRG	Lusaka	48.96	211	LR	LR	07 05 42.6			
PBRG	comp=Z,8um,18.9s,baz=43,slow=38	LR	LR						
PBRG	Lusaka	48.96	211	P	P	06 43 33.4 +0.4			
PBRG	comp=Z,90nm,1.2s	pmax	pmax						
LSZ	LSZ	49.04	324	MLR	MLR	06 43 32.1 -0.9			
LSZ	comp=Z,10um,18.9s	IAMB	IAMB						
LINV	Loch Inver, As	49.04	324	eP	P	06 43 32.1 -0.9			
LINV	comp=Z,122nm,0.9s	IAMB	IAMB						
MVO	Mconcorvo	49.08	301	eP	P	06 43 33.6 -0.1			
MVO	comp=Z,148nm,1.1s	P	P						
MVO	MVO	49.11	104	iLQ	LQ	06 43 38.1			
MVO	MVO	49.11	104	eS	S	06 50 45.9 +8.0			
MVO	MVO	49.11	104	P	P	06 43 33.6 -0.5			
MVO	MVO	49.11	104	P	P	06 43 33.5 -0.5			
MVO	MVO	49.12	323	eP	P	06 43 32.7 -0.9			
MVO	MVO	49.12	323	IAMB	IAMB	06 43 38.7			
PBAR	Barrancos	49.38	297	eP	P	06 43 35.5 -0.4			
PBAR	comp=Z,248nm,1.4s	LQ	LQ	06 43 39.4					
PBAR	Marv??o	49.51	299	eP	P	06 43 36.7 -0.3			
PBAR	comp=Z,153nm,1.6s	P	P						
PMRV	PMRV	49.54	300	iLQ	LQ	06 43 40.3			
PMRV	PMRV	49.54	300	eS	S	06 50 46.0 +2.1			
PMRV	PMRV	49.54	300	LR	LR	06 43 37.2 0.0			
MTE	Manteigas	49.54	300	iLQ	LQ	06 43 41.2			
MTE	comp=Z,206nm,1.6s	eS	S	06 50 52.9 +8.6					
MTE	Manteigas	49.54	300	IAMB	IAMB	06 43 42.2			
PCBR	Castelo Branco	49.54	300	eP	P	06 43 37.6 +0.5			
PCBR	comp=Z,218nm,1.7s	P	P						
PCBR	Vila Real	49.59	302	eP	LQ	06 43 42.0			
PCBR	comp=Z,238nm,1.4s	LQ	LQ	06 43 37.9 +0.4					
PVRL	PVRL	49.71	113	iLQ	LQ	06 43 41.9			
PVRL	Sinabang, Aceh	49.71	113	P	P	06 43 47.0 +8.3			
PVRL	KRI	49.72	208	P	P	06 43 39.8 +1.0			
PVRL	KRI	49.72	208	P	P	06 43 38.9 +1.0			
PVRL	PESTR	49.73	298	eP	P	06 43 38.0 -0.6			
PVRL	comp=Z,106nm,1.2s	iLQ	LQ	06 43 42.0					
PVRL	PESTR	49.73	298	IAMB	IAMB	06 43 43.5			
PVRL	PESTR	49.73	298	eP	P	06 43 39.5 +0.5			
PVRL	comp=Z,101nm,1.1s	LQ	LQ	06 43 43.4					
PVRL	PVRL	49.95	302	eP	P	06 43 40.5 +0.2			
PVRL	comp=Z,257nm,1.6s	iLQ	LQ	06 43 45.1					
PVRL	PGAV	49.95	302	eS	S	06 50 56.2 +6.1			
PVRL	ENH	49.96	73	P	P	06 43 41.2 +0.7			
PVRL	Hu-ho-hao-te	49.96	59	eP	P	06 43 41.8 +1.4			
PVRL	HHC	50.16	186	pP	pP	06 43 47.3 +1.1			
PVRL	HHC	50.16	186	PP	PP	06 45 37.8 +2.5			

19d 6h

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Table with columns for flight codes (MUSN, BKNI, etc.), destinations (Musina, Bangkinang, etc.), times, and status indicators (P, S, M, etc.).

Table with columns for flight codes (TIXI, SSE, CN2, etc.), destinations (Tiksi, Sheshan, Changchun, etc.), times, and status indicators (P, S, M, etc.).

Table with columns for flight codes (TWG, TWGAT, etc.), destinations (Pinlang, Beihan, etc.), times, and status indicators (P, S, M, etc.).









Table with columns: COEN, IAMB, IAMB, 06 48 26.8, etc. Rows include MULG, M53A, M53A, COWI, OOD, N53A, AGMN, CBN, CBN, AAM, AAM, O54A, MCWV, R58B, O53A, O53A, G40A, PMG, L48A, O52A, P53A, F36A, Q54A, BBB, ACSS, R55A, N49A, P52A, P52A, MDND, MDND, SPMN, SPMN, I40A, T57A, BBOO, BBOO, P51A, Q52A, DGMT, DGMT, L44G, L44G, MTSU, N47A, BLA, BLA, S54A, O48B, CNNC, JFWS, Q51A, LCRK, V58A, P49A, L42A, SFIN, INKA, SMRT, Y60A, R50A, U54A, W57A, X58A, V55A, P46A, HDIL, HDIL, ECSD, LAO, LAO, BIRD, SUSD, SUSD, Y58A, KMSC, KMSC, TZTN, TZTN, SCIA, SCIA, W02B, N41A, NEW, NEW.

Table with columns: NEW, Y57A, V53A, JSC, BG3, N38A, HODG, MSO, STKA, STKA, STKA, GNW, CPCT, T47A, LTY, SLM, P40A, RSSD, D05A, CLTN, SIUC, S44A, RLMT, BOZ, BOZ, W50A, E09A, P38A, LON, T45A, FVM, X51A, SWET, BGNE, V48A, GOGA, GOGA, CCM, WVT, WVT, YNM, YNR, FPAL, TROLL, R40A, BDFB, F07A, HICK, H17A, PLID, PLBY, FLWY, G08A, HALT, X48A, IMW, H00D, PLAL, BMO, MOOW, 456A, 152A, K22A, K22A, L22A, S39A, FXYW, KSU1, KSU1, SNOW, TPWA, TIGA, TIGA, TG0E, H04A, BW06, PDAR, PDAR, PDAR.

Table with columns: HLID, I05D, LRAL, LRAL, OXF, OXF, AHID, PHWY, 325A, FCAR, 656A, Z47A, BRIGG, PINE, 250A, I04A, HHAR, R32A, Y45A, N23A, N23A, CBKS, J08A, U38A, WHAR, UALR, HWUT, 146A, KSCO, KSCO, BRAL, K05A, ISCO, WVOR, TUL3, K04D, OK04, RDMU, MIAR, O20A, TOO, OK05, OK03, BSUT, L04D, Q24A, Q24A, L02F, VBMS, VBMS, WLAR, OK02, 143A, ELK, W35A, DUG, P18A, KRMB, NLU, P17A, B7N, SDCO, SRU, T25A, T25A, CAN, WMOK, 545A, CAMR, SPR3, TCHR, PAHR, Z35A, HMU, PSUT, ORV, MIVCO, NATX, NATX.

MTPU	Mount Pierson	112.28 346	IAMS_20	IAMS_20	07 50 38.9
AMTX	Amarillo	112.29 337	P	PKIKP	06 53 23.0 +0.5
KVN	Kaiserville	112.30 351	IAMS_20	IAMS_20	07 44 05.5
FW06	Azle	112.41 332	IAMS_20	IAMS_20	07 41 26.0
EMB	Emerald Bay	112.61 353	IAMS_20	IAMS_20	07 45 35.8
R11B	Troy Canyon, C	112.61 349	P	PKIKP	06 53 23.2 0.0
FW07	Weatherford	112.74 332	IAMS_20	IAMS_20	07 46 17.7
PCKU	Pink Cliffs	112.88 346	IAMS_20	IAMS_20	07 44 58.8
SZCA	Shurtz Canyon	112.89 347	IAMS_20	IAMS_20	07 46 03.2
NV11	Minia Array S11	112.92 351	IAMS_20	IAMS_20	07 44 36.8
NVAR	Minia Array Ba	112.94 351	PKIKP	PKIKP	06 53 24.0 +0.2
NVAR			comp=Z,2.0nm,0.7s,baz=61,slow=0.9,SNR=12	PKKPbc	07 04 07.0 -4.1
NVAR			comp=Z,1.3nm,1.0s,baz=200,slow=6.0,SNR=4.9	PKKPab	07 04 18.6 -3.2
CBXY	The Bluff, Cay	113.04 310	IAMS_20	IAMS_20	07 50 16.3
WHTX	Lake Whitney,	113.22 332	IAMS_20	IAMS_20	07 43 17.5
WHTX	Lake Whitney,	113.22 332	P	PKIKP	06 53 24.6 +0.4
LCMT	Little Creek M	113.49 347	IAMS_20	IAMS_20	07 46 43.9
MSTX	Muleshoe	113.49 337	P	PKIKP	06 53 25.1 +0.2
ABTX	Abilene, Hawle	113.55 334	P	PKIKP	06 53 24.3 -0.6
CBMX	Columbia Colle	113.57 353	IAMS_20	IAMS_20	07 48 32.2
ANMO	Albuquerque	113.77 340	P	PKIKP	06 53 24.5 -0.9
MLAC	Mammoth, Mam	113.79 352	P	PKIKP	06 53 24.4 -1.1
GRAC	Grapevine Rang	114.22 350	IAMS_20	IAMS_20	07 47 06.2
GRAC	Grapevine Rang	114.22 350	P	PKPfd	06 53 26.3 +0.2
435B	Jarrell	114.33 331	P	PKPfd	06 53 26.6 +0.2
W18A	Petrified Fore	114.51 343	P	PKIKP	06 53 26.7 -0.2
WUAZ	Wupatki	114.52 345	IAMS_20	IAMS_20	07 45 07.4
WUAZ	Wupatki	114.52 345	P	PKIKP	06 53 26.6 -0.3
FURC	Furnace Creek,	114.66 350	P	PKIKP	06 53 26.8 0.0
CWC	Cottonwood Cre	114.86 351	P	PKIKP	06 53 25.9 -1.6
SHOC	Shoshone, Tec	115.12 349	P	PKPfd	06 53 28.0 +0.2
VOG	Valley Oaks G	115.15 352	P	PKIKP	06 53 27.4 -0.4
MPMC	Manual Prospe	115.16 350	P	PKPfd	06 53 28.1 0.0
W13A	Hualapai Mount	115.47 347	IAMS_20	IAMS_20	07 45 00.3
JCT	Junction City	115.51 333	IAMS_20	IAMS_20	07 47 57.0
JCT	Junction City	115.51 333	P	PKIKP	06 53 28.4 -0.3
TUQ	Turquoise Moun	115.52 349	P	PKPfd	06 53 28.6 0.0
VES	Vestal, Richgr	115.59 352	P	PKIKP	06 53 28.1 0.0
ISA	Isabella, Lake	115.68 351	P	PKIKP	06 53 28.4 -0.6
NEE2	Needles Airpor	115.93 348	P	PKIKP	06 53 29.3 -0.1
SAML	Samuel	116.07 274	PKPfd	PKPfd	06 53 29.2 -0.8
SAML	Samuel	116.07 274	PKIKP	MLR	06 53 29.2 -0.8
735A	Kenedy	116.09 330	IAMS_20	IAMS_20	07 45 31.5
GMRC	Granite Mounta	116.10 348	P	PKIKP	06 53 29.0 -0.9
HEC	Hector,Ludlow	116.18 349	P	PKIKP	06 53 29.5 -0.4
SMVC	Simmier	116.22 352	P	PKIKP	06 53 29.4 -0.6
ARV	Arvin	116.26 351	P	PKIKP	06 53 29.3 -0.6
PDMC	Parker Dam,Lak	116.29 347	P	PKIKP	06 53 29.4 -0.7
121A	Cookes Peak, D	116.42 341	P	PKIKP	06 53 29.4 -1.1
MNTX	Cornudas Mount	116.45 338	P	PKPfd	06 53 29.2 -1.3
PKX	Mcperson Peak	116.62 352	P	PKPfd	06 53 29.8 -1.1
IRM	Iron Mountain	116.62 348	P	PKIKP	06 53 30.9 +0.2
BELA	Belgrano 2	116.71 194	PKPfd	PKPfd	06 53 28.5 -1.0
OSI	Osito Audit: C	116.75 351	P	PKPfd	06 53 30.4 -0.6
BELC	Belle Mtn. Jos	116.93 349	P	PKIKP	06 53 31.7 +0.2
BFSC	Mount Baldy Ra	116.97 350	P	PKPfd	06 53 30.9 -0.6
SBC	Santa Barbara	117.05 352	P	PKPfd	06 53 31.3 -0.2
DECC	Green Verdugo	117.05 351	P	PKPfd	06 53 31.2 -0.4
BC3	Big Chuckawall	117.17 348	P	PKPfd	06 53 31.8 -0.1
833A	Chaparral WMA,	117.23 331	P	PKPfd	06 53 32.0 -0.1
PFO	Pinyon Flats O	117.39 349	P	PKIKP	06 53 32.4 0.0
TPFO	Pinon Flats	117.39 349	P	PKPfd	06 53 32.3 -0.1
TUCO	Tucson	117.44 343	P	PKPfd	06 53 32.3 -0.1
ELS	Elsinore Mount	117.51 350	IAMS_20	IAMS_20	07 54 58.3
FMP	Fort Macarthur	117.58 351	P	PKIKP	06 53 32.8 +0.2
GLA	Glamis	117.63 347	P	PKPfd	06 53 32.1 -0.6
CPUP	Villa Florida	117.79 254	PKP	PKPfd	06 53 31.7 -1.3
CPUP			comp=Z,4.9nm,1.0s,baz=75,slow=1.2,SNR=4.9	SKP	06 57 06.4
CPUP			comp=Z,2.2nm,0.9s,baz=289,slow=6.1,SNR=4.0	PKKPab	07 03 58.2 +1.9
CIS	Catalina Islan	117.90 351	P	PKPfd	06 53 32.9 -0.3
SWSC	Sam W. Stewart	117.92 348	P	PKPfd	06 53 33.0 -0.2
TXAR	Lajitas Array	118.02 336	PKPfd	PKPfd	06 53 32.6 -1.0
TXAR	Lajitas Array	118.02 336	PKP	PKPfd	06 53 33.1 -0.5
TXAR			comp=Z,2.2nm,0.8s,baz=160,slow=1.8,SNR=10	PKKPbc	07 03 52.0 -1.2
MONP2	Monument Peak	118.08 349	P	PKPfd	06 53 33.3 -0.2
TEIG	Tipchil	118.15 317	IAMS_20	IAMS_20	07 50 49.6
QSPA	South Pole Qui	118.17 180	PKPfd	PKPfd	06 53 31.9 -0.7
QSPA	South Pole Qui	118.17 180	PKP	PKPfd	06 53 32.0 -0.5
QSPA			comp=Z,1.2nm,0.9s,baz=272,slow=1.8,SNR=28	SKP	06 57 06.3
QSPA			comp=Z,7.3nm,1.1s,baz=290,slow=4.4,SNR=3.2	PKKPbc	07 03 52.8 +0.4
109C	Camp Elliot, M	118.20 349	P	PKPfd	06 53 33.0 -0.7
IKP	In-Ko-Pah, Jac	118.26 348	P	PKPfd	06 53 33.1 -0.9
214A	Organ Pipe Nat	118.27 345	P	PKPfd	06 53 32.8 -1.2
TKX	Tecate	118.43 349	IAMS_20	IAMS_20	07 46 14.8
ROSC	El Rosal	118.50 294	PKP	PKPfd	06 53 34.8 -0.5
PIX	Pinacate	118.79 346	IAMS_20	IAMS_20	07 48 08.4

SFX	San Felipe	119.59 347	IAMS_20	IAMS_20	07 48 21.6
DZM	Mont Dzumac	121.24 100	eP	PKPfd	06 53 29.7 -1.0
DZM	Mont Dzumac	121.24 100	ePP	PKP	06 55 07.2 -3.5
DZM	Mont Dzumac	121.24 100	eLR	LR	07 31 09.3
VNDA	Vanda	121.79 166	PKP	PKPfd	06 53 38.6 -0.6
VNDA			comp=Z,7.44nm,19.0s	PKKPbc	07 03 39.2 -0.6
TGUH	Teguahuap	122.11 311	PKPfd	PKIKP	06 53 41.9 -0.1
CMIG	Matias Romero	124.47 320	PKP	PKPfd	06 53 45.3 -0.8
TRQA	Toruquist	124.70 242	PKPfd	PKPfd	06 53 45.8 -0.2
TRQA	Toruquist	124.70 242	PKP	PKPfd	06 53 45.8 -0.2
LVC2	Limon Verde	126.53 262	PKP	PKIKP	06 53 51.2 +0.4
LVC	Limon Verde	126.53 262	PKP	PKIKP	06 53 50.9 +0.1
ARNL	Arenillas	127.97 289	IAMS_20	IAMS_20	07 54 19.7
ATAH	Atahuapa	128.44 284	PKP	PKIKP	06 53 55.0 +0.1
NNA	Nana	129.42 278	PKP	PKIKP	06 53 56.2 -0.2
LCO	Las Campanas	129.91 255	PKPfd	PKIKP	06 53 57.3 0.0
LCO	Las Campanas	129.91 255	PKP	PKIKP	06 53 57.3 0.0
PLCA	Paso Flores	131.63 239	PKPfd	PKPfd	06 53 59.7 +0.5
PLCA	Paso Flores	131.63 239	PKP	PKPfd	06 53 59.6 +0.4
PLCA			comp=Z,1.2nm,1.1s,baz=91,slow=5.7,SNR=11	SKPbc	06 57 22.3 -1.5
TAOE	Nuku Hiva Isla	157.64 32	eP	PKPfd	06 54 35.6 -7.9
TAOE	Nuku Hiva Isla	157.64 32	ePP	LR	06 58 48.9 -4.8
TAOE	Nuku Hiva Isla	157.64 32	eLR	LR	07 47 35.1
PPT2	Papeete2	157.72 66	eP	PKPfd	06 54 35.7 -7.8
PPT2	Papeete2	157.72 66	ePP	PKP	06 58 51.2 -4.0
PPT2	Papeete2	157.72 66	eLR	LR	07 47 49.9
PPT2			comp=Z,7.49nm,22.2s	eLR	07 47 56.9
TBI	Tubuai	160.32 80	eP	PKPfd	06 54 40.4 -5.9
TBI	Tubuai	160.32 80	ePP	PKP	06 59 09.6 0.0
TBI	Tubuai	160.32 80	eLR	LR	07 49 05.0
TBI			comp=Z,1.1um,26.0s	eLR	07 49 06.9

IDC 19 06:36:34.8±0.3, 36:56N±98.88W, h0km, mb3.3/2, mbmp3.7/8, ML4.1/5, MS2.8/1, Error ellipse: s-maj=10.8km s-min=9.0km az=131.0  
 NEIC 19 06:36:34.9±36.45N±98.79W, h6km  
 TUL 19 06:36:34.9±0.6, 36:45N±0.01±98.79W±0.03, h6km, ML3.8, mb4.0/3(NEIC), mb Lg3.8/128(NEIC), ML4.0/15(NEIC), Mw3.6/39(NEIC), Error ellipse: s-maj=3.5km s-min=1.7km az=86.0  
 NEIC 19 06:36:34.3±0.5, 36:44N±0.01±98.80W±0.03, h5km, 1km, Error ellipse: s-maj=4.1km s-min=2.5km az=89.0, Moment Tensor Solution. Moment tensor: Scale 10^14N; Mn=0.25; Mw=2.93; Ms=2.68; Mo=1.54; Mw=0.09; Mo=0.60; Fault plane solution: Ms3.27000x10^14 NP1: e336.40000°, s33.22000°, A.5.63000°. NP2:e223.86000°, s84.98000°, A.153.11000°. Principal axes: T.3.5756°, Plg22.0000°, Azm177.0000°, N.63000°, Azm34.0000°, P.-2.8399, Plg15.0000°, Azm273.0000°, ANF 19 06:36:35.3±0.7, 36:46N±98.78W, h1km, ML4.0/13, Error ellipse: s-maj=1.8km s-min=1.6km az=75.0  
 ISC 19 06:36:35.1±0.36±16M±0.03±98.75W±0.03, h9km, 5km, n250,±0.9N/238, Oklahoma

Code	Station Name	A°	AZ°	Phase	ID	Time	Res
						h m s	ISC
OK038	West end E0370	0.02	12	Op	Pg	06 36 36.7	-0.2
OK038				Sg	Pg	06 36 38.1	-0.1
US2A	Winter Ranch,	0.22	249	IAML	Pg	06 36 39.1	+0.5
US2A				IAML	Pg	06 36 42.5	
US2A				IAML	Pg	06 36 42.6	
OK03	E0210 Rd and N	0.25	7	Pg	Pg	06 36 40.6	+0.3
OK035				Sg	Pg	06 36 44.9	+1.1
OK035				IAML	Pg	06 36 45.1	
OK032	Salt Plains WL	0.55	51	IAML	Pg	06 36 46.2	+0.3
OK032				IAML	Pg	06 36 57.3	
CROK	Carrier	0.62	85	Pg	Pg	06 36 47.4	+0.3
CROK				IAML	Pg	06 37 03.4	
CROK				IAML	Pg	06 37 03.8	
ELIS	Ellis County	0.67	234	Pg	Pg	06 36 47.4	-0.7
ELIS				IAML	Pg	06 37 03.4	
ELIS				IAML	Pg	06 37 03.7	
KAN14	Manchester OK	0.81	51	Pg	Pg	06 36 50.7	+0.1
CSFR	Hydro, Custer	0.81	177	Pg	Pg	06 36 50.2	-0.6
OK02	Argonia County	0.82	61	Pg	Pg	06 36 51.9	+0.1
KAN10	Anthony SW Sta	0.85	38	Pg	Pg	06 36 51.6	+0.1
KAN05	Bluff City Nor	0.96	47	Pg	Pg	06 36 53.6	0.0
KAN17	Caldwell West	0.98	53	Pg	Pg	06 36 54.0	-0.1
KAN08	Anthony NE Sta	0.99	39	Pg	Pg	06 36 54.1	-0.1
KAN12	Harper NE Sta	1.03	35	Pg	Pg	06 36 54.9	-0.1
KAN01	Argonia South	1.05	48	Pg	Pg	06 36 55.9	+0.1
KAN06	Argonia West S	1.06	42	Pg	Pg	06 36 55.5	-0.1
KAN09	Caldwell North	1.13	53	Pg	Pg	06 36 56.6	-0.3
KAN13	South Haven SW	1.16	61	Pg	Pg	06 36 57.1	-0.3
KS21	Milan North St	1.20	46	Pg	Pg	06 36 58.0	-0.2
OK02	Liberty Lake	1.24	122	Pg	Pg	06 36 58.8	-0.4
BLOK	Blackwell	1.27	78	Pn	Pn	06 36 59.0	-0.1
ADOK	Arcadia Dam	1.37	125	Pn	Pn	06 37 00.5	+0.1
OK009	Oakdale Elemen	1.38	129	Pn	Pn	06 37 00.9	+0.3
OK048	Pawnee Station	1.46	91	Pn	Pn	06 37 02.1	+0.6
OKCSV	OKLAHOMA CITY	1.49	134	Pn	Pn	06 37 02.4	+0.3
OK033	Mehan	1.52	105	Pn	Pn	06 37 03.0	+0.5
OK051	E0350 and S346	1.54	88	Pn	Pn	06 37 03.7	+0.9
FNO	Franklin	1.62	137	Pn	Pn	06 37 04.7	+0.8
OK031	S. Brethren Rd	1.62	107	Pn	Pn	06 37 04.5	+0.6
OK052	Battle Ridge R	1.64	106	Pn	Pn	06 37 04.8	+0.7
QUOK	Quay	1.67	99	Pn	Pn	06 37 05.4	+0.8
WMOK	Wichita Mounta	1.71	181	Pn	Pn	06 37 04.8	-0.4
WMOK	Wichita Mounta	1.71	181	P	Pn	06 37 04.8	-0.4
WMOK				S	Sn	06 37 27.7	+0.5
SMWD	Saropowan	1.82	222	Pn	Pn	06 37 06.9	+0.3
T35A	Sooner Cattle	1.85	75	Pn	Pn	06 37 08.0	+0.9
T35A				IAMB_Lg	Pg	06 37 36.7	
DEOK	Depeu	1.92	1				

Table with columns: ANMO, PECS, PBMO, FVM, HNDO, SCIA, SAND, SLM, 143A, PHWY, N23A, DRIO, PARMO, MNXX, ALPN, EF01, CGM3, ECSD, ECSD, 735A, HALT, S44A, SIUC, SIUC, MVCO, MVCO, OXF, OXF, P43A, Y45A, SUSD, SUSD, VBMS, Q44A, 833A, 833A, TX31, TXAR, TXAR, TXAR, TXAR, RWWY, RWWY, HDIL, HDIL, I37A, K22A, K22A, RSSD, RSSD, WVT, WVT, JFWS, JFWS, JFWS, 247A, 247A, F33A, H40A, M44A, SPMN, SPMN, SFIN, SFIN, CLTN, BLO, WCI, F36A, E26A, LRAL, LRAL, WUAZ, Y49A, PD31, PDAR, PDAR, PDAR, B0W6, I42A, G40A, P48A, BRAL, N47A, Q48B, E38A, P49A, P49A, LCHT, POHW, R50A, LAO, MOOW, RLMT, FXWY, O49A, AGMN, COWI, TKL, TKL, TKL

Table with columns: TKL, S51A, N45A, TZTN, V52A, L48A, B35A, G51A, DGMT, DGMT, EYMN, EYMN, GOGA, GOGA, GOGA, D41A, AAM, AAM, E43A, Q52A, Q52A, P52A, N51A, ULM, ULM, ULM, S54A, O53A, Q54A, N53A, E45A, BLA, O54A, R55A, S57A, S57A, M55A, M55A, SADO, YBH, YKA, ILAR, SHME, AJN, BANOM, BANOM, NAZ, ASUD, MSFE, MDH, UOSS, HATD, ASHO, MZR, SOHO, WSAR, WSAR, GEYT, BRTR, AKASE, BVAR, OBN, MKAR, ZALV, FINES, HFS, ARCES, EKA, TORD, SPITS, DBIC, KIC, LIC, KSRs, SCHO, YKA, WRA, ASAR

Table with columns: mbtmp, NEIC, ISC, Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ATAH, TXAR, TXAR, TXAR, HNDO, HNDO, ROSC, JCT, JCT, NNA, CZSB, RPN, Z35A, DKNs, DKNs, Z38A, Z38A, TBTO, TBTO, ANMO, W35A, W35A, PFO, KNB, KNB, LCMT, R40A, TKL, WCT, ETMB, LPAZ, LPAZ, P40A, NVAR, SAML, SAML, HWUT, HWUT, ELK, LVC, PD31, PDAR, PDAR, H03N2, H03N1, H03N1, H03N3, O53A, L0HW, YBH, VILB, PTLB, CPUP, CPUP, YKA, ILAR, H1N3, H1N2, H1N1, H1S2, H1S1, H1S3, NOA, CMAR, CMAR

IDC 19 06:44:15.9; 1.7; 2.54N; 101.46W, h0km, mb3.8/7,

IDC 19 06:45:50.2; 7.9; 5.436N; 86.03E, h0km, mbtmp3.2/2, ML2.4/2, Error ellipse: s-maj=21.5km s-min=11.9km az=53.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Zalesovo Beam, KURBB Kurchatov Arra, MKAR Makanchi Array.

ISK 19 06:50:04.7, 35.98N, 31.64E, h6km, ML2.6/6, Cyprus region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HDMB Hadim, HDMB Bereket-Mersin, SEVD Seydisehir-KON, KORT Korkuelli, KORT Korkuelli, ELL Elmalı, CAME Camel-Denizli.

AFAD 19 06:50:32.4, 0.0, 36.79N, 32.23E, h7km, 4km, ML1.9, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KEPZ Antalya-Kepez, KEPZ comp=E,87nm,2.1s, GAZI Gazipasa, GAZI comp=E,92nm,1.3s, GAZI comp=N,80nm,1.4s, KBBE Karaman, Kazim, KBBE comp=N,32nm,1.3s, KBBE comp=E,25nm,1.6s, SEDI Konya, Seydis, SEDI SEDI, SEDI comp=E,74nm,1.6s, SEDI comp=N,132nm,1.5s.

IDC 19 06:59:06.5, 2.7, 54.35N, 86.99E, h0km, mbtmp3.0/2, ML2.7/2, Error ellipse: s-maj=22.3km s-min=15.5km az=59.0

NNC 19 06:59:10.3, 2.2, 54.21N, 86.70E, h0km, mb3.6, mpv3.2, Error ellipse: s-maj=18.4km s-min=16.9km az=164.0, Suspected Mining explosion.

ISC 19 06:58:54.6, 2.9, 52.82N, 0.09, 87.7E, 0.2, h0km, n7, s101/10, 4C-4D, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ZALV Zalesovo Beam, ZALV 1.4nm, 0.3s, baz=68, slow=16, SNR=20, ZALV 1.9nm, 0.3s, baz=75, slow=26, SNR=15, H46RU ZALESOVO INFRA, KURK Kurchatov, KURBB Kurchatov Arra, KURBB baz=58, slow=32, SNR=1.7, KURBB baz=52, slow=33, SNR=2.7, KURBB Kurchatov Arra, KURBB 3.8nm, 0.9s, KURBB 5.1nm, 0.7s, MK31 Makanchi Array, MK31 0.7nm, 0.6s, baz=58, slow=7.3, SNR=10.0, MK31 0.8nm, 0.6s, MK31 2.4nm, 0.9s, baz=27, slow=29, SNR=4.3, MKAR Makanchi Array, MKAR 0.2nm, 0.3s, baz=26, slow=12, SNR=9.0, MKAR 0.1nm, 0.3s, baz=22, slow=26, SNR=5.3, MKAR 0.1nm, 0.3s, baz=23, slow=38, SNR=3.4, 0.3nm, 0.4s.

IDC 19 07:00:25.9, 3.7, 53.72N, 88.21E, h0km, mbtmp2.8/3, ML2.0/3, Error ellipse: s-maj=36.5km s-min=21.1km az=50.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV 0.6nm, 0.3s, baz=97, slow=14, SNR=5.3, ZALV 1.7nm, 0.3s, baz=95, slow=27, SNR=6.3, KURBB Kurchatov Arra, MKAR Makanchi Array.

AEIC 19 07:04:34.0, 1.9, 51.0N, 0.2, 178.30W, 0.08, h22km, 7km, Error ellipse: s-maj=22.8km s-min=7.4km az=183.0

NEIC 19 07:04:35.2, 1.8, 51.0N, 0.1, 178.37W, 0.04, h35km, 2km, mb4, 1/63, ML4.3(AEIC), Error ellipse: s-maj=21.6km s-min=4.5km az=178.0

IDC 19 07:04:40.2, 3.0, 51.32N, 178.24W, h82km, 26km, mb3.4/15, mbtmp3.8/17, Error ellipse: s-maj=25.4km s-min=14.1km az=179.0

ISC 19 07:04:34.6, 0.8, 51.0N, 0.1, 178.29W, 0.04, h35km, n122, s136/118, mb4.1/37, Andreanof Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AMKA Amchitka, AMKA Amchitka, CEPE Semis' Perret, CESW Semis' Southwe, LSSE Little Sitkin, LSPI Little Sitkin, LSSA Little Sitkin, LSNW Little Sitkin, KOKL Mount Kiuichef, KOKL Korovin Flat P, KOFF Shemya Is, Alas, SHEM 19nm, 0.3s, baz=90, slow=22, SNR=1.0, SHEM 50nm, 0.8s, baz=288, slow=23, SNR=1.9, MKPS Okmok Is, Tu, 6.76, 65, MKPS Pakushin South, MSW Makushin Switc, P08K Saint George I, MNAT Makushin Natee, UNV Unalaska Valle, SPIA Saint Paul Is.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LVA Lava Point, ZRO Akutan Zero, S12K Black Hills, SDPT Sand Point, M14K Bethel, L14K Kuka Creek, N15K Kwehluik River, O16K Kwokoh River B, K15K Wolf Creek Mou, M16K Timber Creek, L16K Owhat River, N17K Nushagak Hills.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like S11 Sitkinak Islan, M17K Holtina River, J16K Anvik River, K17K Iditarod, K17K comp=Z, 1.1nm, 0.9s.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SVW2 Sparrehowen, L18K Granite Mounta, KDAK Kodiak Island, KDAK comp=Z, 5.4nm, 0.3s, baz=314, slow=13, SNR=1.6.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KDAK comp=Z, 6.6nm, 1.0s, baz=130, slow=22, SNR=1.8, N19K Bonanza Creek, N19K comp=Z, 9.5nm, 0.7s.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TTA Tatalina, L19K White Mountain, L19K comp=Z, 16nm, 0.9s.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H18K Honhosia River, H18K comp=Z, 1.8nm, 1.4s, J19K Poorman, K20K Telida, SKT Skwentna.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like J20K Nowinta River, G19K Purcell Mounta, CAST Castle Rocks, CAST comp=Z, 9.3nm, 0.9s.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like F19K Shalercukio Mo, TRF Thorofare Moun, BPWW Bear Paw Mtn, BPWW comp=Z, 9.9nm, 0.6s.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like C18K Utukok River, H21K Melozitina River, SEY Seymchan, SEY comp=Z, 9.9nm, 0.5s, baz=185, slow=23, SNR=2.1.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GLI Glacier Island, G21K Allakak, SCM Sheep Creek Mo, BWN Browne, NEA2 Nenana.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I23K Minto, Yukon-K, I23K comp=Z, 6.4nm, 0.8s, WRH Wood River Hill, WRH comp=Z, 4.7nm, 0.7s.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MDM Murphy Dome, MDM comp=Z, 1.2nm, 0.9s, HDA Harding Lake, HDA comp=Z, 5.0nm, 0.6s.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like N25K Chitina, Valde, IL31 Chitina, Valde, IL31 comp=Z, 1.4nm, 1.4s.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ILAR Eielson Array, ILAR comp=Z, 1.0nm, 0.4s, baz=237, slow=9.6, SNR=24, H24K Noodor Dome, H24K comp=Z, 7.6nm, 0.6s.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GLB Gilahina Butte, VRDI Verde Repeater, VRDI comp=Z, 6.6nm, 0.8s.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like J25K Salchu, MCARA McCarthy VSAT, MCARA M26K Nabesna, AK, M26K comp=Z, 6.8nm, 1.2s, L26K Log Cabin Wild, L26K comp=Z, 8.6nm, 0.7s.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SCRK Sand Creek, SCRK comp=Z, 7.3nm, 1.0s, F24K Squaw Lake, TOLK Toolik Lake Re, TOLK comp=Z, 3.1nm, 0.6s.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like J26L Joseph Creek, J26L comp=Z, 1.5nm, 1.5s, M27K Edge Creek, AK, M27K comp=Z, 8.2nm, 0.8s.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like L27K Beaver Creek, L27K comp=Z, 7.2nm, 1.4s, DAWY Dawson, M29M Somme Creek, M29M comp=Z, 4.4nm, 0.8s.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I28M Miner Creek, I28M comp=Z, 6.9nm, 0.8s, HYT Haines Junction, HYT comp=Z, 7.9nm, 1.3s.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like M31M Drury Creek, Y, M31M comp=Z, 4.7nm, 1.2s, FARO Faro, Yukon, F31M Tsigheitchik, A36M Sachs Harbour, H112W WAKE ISLAND Hy, H112W comp=Z, 18, slow=76, SNR=51.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H113W WAKE ISLAND Hy, H113W comp=Z, 18, slow=76, SNR=51, H111N WAKE ISLAND Hy, H111N comp=Z, 18, slow=76, SNR=42.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H115I WAKE ISLAND Hy, H115I comp=Z, 18, slow=76, SNR=42, H1152 WAKE ISLAND Hy, H1152 comp=Z, 17, slow=74.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H1153 WAKE ISLAND Hy, H1153 comp=Z, 17, slow=74, YKA Yellowknife Ar, YKA comp=Z, 1.0nm, 0.7s, baz=288, slow=9.6, SNR=31.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YKA comp=Z, 2.0nm, 0.7s, baz=294, slow=4.1, SNR=2.4, I03D Drain, OR, I04A Tendick Farm, J08A Circle Bar, J08A comp=Z, 3.5nm, 0.8s.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WJWR Wild Horse Val, WJWR comp=Z, 3.0nm, 0.8s, WJWR Mina Array Bea, WJWR comp=Z, 0.8nm, 0.8s, baz=294, slow=11, SNR=5.1.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BOZ Bozeman (W), HUU Hansel Valley, HUU comp=Z, 1.2, 32.5, -0.5, HUU comp=Z, 1.2, 34.4, +0.8.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DUG Dugway, Tooele, PDAR Pinedale Array, PDAR Pinedale Array, NLU North Lily Min, NLU comp=Z, 2.8nm, 0.8s.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SRU San Rafael Swe, TXAR Lajitas Array, TXAR comp=Z, 0.4nm, 0.7s, baz=316, slow=6.9, SNR=5.0, ARCES ARCES Array, ARCES comp=Z, 3.2nm, 0.8s, baz=30, slow=9.3, SNR=2.3.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KURBB Kurchatov Arra, WMQ Urumqi, WMQ comp=Z, 1.7nm, 0.7s, WMQ comp=Z, 2.0nm, 0.7s, baz=49, slow=7.1, SNR=1.6.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BVAR Borovoye Array, BVAR comp=Z, 4nm, 0.3s, baz=48, slow=6.6, SNR=1.9, PZH PanZhihua, PZH comp=Z, 10.0nm, 0.5s.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FINES FINESS Array B, HFS Hagfors, HFS comp=Z, 1.8nm, 0.9s, baz=32, slow=5.5, SNR=2.6.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AKASE Main Array B, WRA Warramunga Arr, ASAR Alice Springs, ASAR comp=Z, 0.4nm, 0.6s, baz=21, slow=5.9, SNR=5.3.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BRTR Keskin Array B, BRTR comp=Z, 0.9nm, 0.7s, baz=32, slow=1.7, SNR=4.5, H03N2 Juan Fernandez, H03N3 Juan Fernandez, H03N3 Juan Fernandez.

IDC 19 07:05:21.5, 2.6, 54.14N, 86.48E, h0km, mbtmp2.9/2, ML2.7/2, Error ellipse: s-maj=19.7km s-min=12.0km 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, ZALV 1.9nm, 0.3s, baz=77, slow=16, SNR=7.1, KURBB Kurchatov Arra, KURBB 0.1nm, 0.3s, baz=54, slow=13, SNR=5.9, KURBB baz=56, slow=19, SNR=1.0, MKAR Makanchi Array, MKAR 0.2nm, 0.3s, baz=24, slow=13, SNR=8.4, MKAR baz=22, slow=25, SNR=2.7, MKAR baz=23, slow=27, 0.2nm, 0.3s.

AWL 19 07:10:43.6, 0.5, 42.5°S, 17°4E, h12km, 6km, M3.4/11, ML3.6/11, MLv3.4/11, Error ellipse: s-maj=0.0km s-min=0.0km az=120.7, confirmed, South Island

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KIKS Kikaoura, KHZ Kahutara, MOLW Moleworth Sta, MOLW Kekerengu Vall, BSWZ Blackbirch Sta, CECS Cheviot Empire, CMWZ Cape Campbell, WHFZ Wairau Valley, THZ Tophouse, TCHZ Tony Channel, TUWZ Tuamarina, NNSZ Nelson, MRNZ Matariki Terra, LTZ Lake Taylor, AMCZ Amberley, TCHZ Tony Channel, BHW Baring Head, WEL Wellington, TKNZ Takaka Hill, PLWZ Palliser, DMNZ Dennistown Nort, OXZ Oxtford, CAW Cannon Point, MQZ McQueen's Vall, PARZ Paruru Farm, GRW Quartz Range, AKCZ Akaroa Harbour, INZ Inchbonnie, MTW Mount Morrison, RACZ Rakaia, HOWZ Holdsworth Sta, MHZC Mokitia Hutt, TCHZ Tony Channel, WACZ Wakanu South, MRZ Mangatoinoka R, WVZ Waitaha Valley, RPZ Rata Peaks, PRWZ Port Richard, GCSZ Gaunt Creek Bo, WAZ Wanganui, TMZ Timaru, KHEZ Kehu Hut, NBEZ Newell Road No, FOXZ Fox Glacier, PKE Pukeiti, PKVZ Pukaki, LBZ Lake Benmore, MOVZ Moawhango, TUVZ Tukino, NNWZ North Ngauruho, ETVZ East Tongariro, ODZ Otauhu Downs, HIZ Hawaii, JCZ Jackson Bay, AWAZ Awatapu Peninsula, MKAZ Moumakai.

TAP 19 07:14:53.3, 24.27N, 121.69E, h9km, ML1.4, C, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EAHA Achua, EAHA baz=32, NACB Ninganchiao, NACB baz=225, NACB baz=225, ENA Nananu.





Table with columns: ASAR, Alice Springs, 31.68 256, P, P, 08 02 50.08 -0.7, etc.

Table with columns: SOEI, Soe, 57.15 268, P, Iamb, 08 25 24.3 -0.5, etc.

Table with columns: ASAR, comp=Z, 1.3nm, 0.8s, baz=166, slow=10, SNR=13, etc.

Table with columns: IDC 19 08:00:08.2, 3.7, 55.41N, 86.38E, h0km, mbtmp3.2/2, etc.

Table with columns: J16K, Kokwok River B, 76.61 10, P, 08 27 23.9 -0.9, etc.

Table with columns: ASAR, comp=Z, 0.8nm, 0.8s, baz=165, slow=2.8, SNR=6.4, etc.

Table with columns: IDC 19 08:08:41.5, 2.9, 39.88N, 143.71E, h0km, mb3.7/5, etc.

Table with columns: J20K, Nowinta River, 81.57 10, P, 08 27 51.4 +0.1, etc.

Table with columns: ASAR, comp=Z, 1.3nm, 0.8s, baz=166, slow=10, SNR=13, etc.

Table with columns: IDC 19 08:08:43.1, 1.4, 39.90N, 0.008, 143.4E, 0.1, h6km, n22, etc.

Table with columns: J20K, Trail Mountain, 82.33 46, P, 08 27 56.6 +0.4, etc.

Table with columns: ASAR, comp=Z, 0.8nm, 0.8s, baz=165, slow=2.8, SNR=6.4, etc.

Table with columns: MA2, Magadan, 20.24 11, LR, 08 20 25.4, etc.

Table with columns: J20K, Yellowknife Ar, 91.87 24, P, 08 28 40.0 -0.9, etc.

Table with columns: ASAR, comp=Z, 0.8nm, 0.8s, baz=165, slow=2.8, SNR=6.4, etc.

Table with columns: IDC 19 08:21:12.5, 0.6, 53.00S, 140.75E, h0km, mb4.1/8, etc.

Table with columns: J20K, Keskin Arr B, 143.90 318, PKP, PKPab, 08 35 04.5 -0.6, etc.

Table with columns: ASAR, comp=Z, 0.8nm, 0.8s, baz=165, slow=2.8, SNR=6.4, etc.

Table with columns: IDC 19 08:21:14.9, 1.8, 53.05S, 0.06, 140.6E, 0.3, h10km, 1km, etc.

Table with columns: J20K, Geresse Arr B, 145.71 347, PKPbc, PKPdf, 08 35 09.4 +0.3, etc.

Table with columns: ASAR, comp=Z, 0.8nm, 0.8s, baz=165, slow=2.8, SNR=6.4, etc.

Table with columns: IDC 19 08:21:14.6, 0.5, 53.09S, 0.07, 140.4E, 0.1, h10km, n92, etc.

Table with columns: J20K, Toolangi, 15.92 15, P, 08 25 03.3 +1.0, etc.

Table with columns: ASAR, comp=Z, 0.8nm, 0.8s, baz=165, slow=2.8, SNR=6.4, etc.





19d 10h

Table with columns: YKd, Station Name, Azimuth, Elevation, Frequency, Power, Phase, Time, Residual. Includes stations like Yellowknife Ar, Pinedale Array, WAKE ISLAND Hy 49.34 241, etc.

CATAC 19 09:58:14.4±0.4, 9.26N:83.11W, h1km, 2km, ML2.5
UPA 19 09:58:15.5±0.4, 9.15N:83.10W, h14km, 2km, MW2.7
ISC 19 09:58:13.8±1.2, 9.23N:0.04:83.10W:0.03, h6km±12km, n16, c055/30, Costa Rica

Main station list for Costa Rica. Columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, Phase, Time, Residual. Includes SRBA San Rafael, Bu, OJCHOAL, PNPB Parque, PEZE Perez Zeledon, BRU2 Volcan, etc.

IDC 19 10:06:20.9±0.4, 17.15N:95.14W, h112km, 2km, mb4.1/20, mbmp4.4/22, MS3.4/10, Error ellipse: s-maj=14.5km s-min=9.0km az=61.0

NEIC 19 10:06:21.0±2.1, 17.18N:0.06:95.32W:0.05, h110km, 5km, mb4.7/230, Md4.8/35(MEX), Error ellipse: s-maj=8.1km s-min=7.0km az=177.0

MEX 19 10:06:22.3±0.9, 17.08N:95.36W, h104km, 7km, MD4.8
CATAC 19 10:06:43.2±1.1, 16.31N:93.78W, h10km, MB4.8, mb4.5, ML4.8

Main station list for Mexico. Columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, Phase, Time, Residual. Includes Matias Romero, Arroyo Zacate, Tuzandepetit, Oaxaca, Vista Hermosa, etc.

2018 APR

Main station list for 2018 APR. Columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, Phase, Time, Residual. Includes GUNB GUNB, MOIG Morelia, ESQI Esquipulas, MTO3 Montericito, IZABA IZABA, etc.

1202

Main station list for 1202. Columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, Phase, Time, Residual. Includes Cedar Bluff, Tazewell, Great Sand Dune, Wyandotte Cave, etc.

1203

Table with columns: PKM, ERPA, VES, BW06, PDAR, PDAR, PDAR, TTH, SMPH, F36A, HVU, WVNY, NDV1, NVAR, NVAR, NVAR, LHV, COWI, SNOW, LOHW, PMPB, E38A, BINY, BINY, WAKR, PAL, YERR, RLMT, RLMT, L59A, PNTR, EMB, SADO, LAO, MDND, MPK, EYMN, EYMN, HLID, AGMN, AGMN, J58A, BOZ, L16, NCB, WVOR, LONY, PLID, EGMT, ULM, FRNY, CZSB, CZSB, LBNH, F10A, PINE, I05D, PKME, H04A, NEW, C09A, LDAO, LTY, D62A, D62A, BOAV, FFC, FFC, ETMB, ETMB, BRDA, BRDA, SAML, SAML, SAML, LPAZ, SCHO, SCHO, SCHO, YKA, YKA, YKA, YKA, YKA

2018 APR

Table with columns: YKA, YKA, T35M, KOTAN, CRAG, WRAK, PTBL, PTBL, U33K, BBSO, S34M, WTLY, WTLY, R33M, S32K, Q32M, SIT, WRGLY, WRGLY, WRGLY, TGNT, R32K, AC02, P32M, S31K, P33M, R31K, SALV, SKAG, N32M, N32M, PLBC, LCO, WHY, SNDB, FARO, P30M, P29M, O30N, M31M, M31M, N31M, HYT, PNL, O29M, BDQN, N30M, YUK6, YUK4, M30M, SMTB, ARAG, O28M, MAYO, YUK8, M29M, M29M, MESA, L29M, L29M, L29M, CTG, YUK3, K29M, K29M, J30M, J30M, BGLO, H31M, B36V, B36V, CRQE, I30M, I30M, MCARA, MCARA, M27K, DAWY, G31M, G31M, L27K, F31M, F31M, M26K, AMBA, EPYK, EYAK, N25K

19d 10h

Table with columns: G30M, L26K, K27K, INK, INK, INK, H29M, H29M, I28M, EGAK, EGAK, F30M, KLU, CPUP, CPUP, CPUP, HARP, HARP, BDFB, G29M, M24K, SCRK, SCRK, I27K, PAX, J26L, J26L, RIDG, SCM, A36M, A36M, H27K, M23K, E29M, E29M, F28M, F28M, SML, G27K, G27K, O22K, WAT6, J25K, J25K, DHY, BRSE, PMR, RC01, E28M, E28M, WAT1, HDA, HDA, OHAK, Q20K, HOM, PRP, PRP, D28M, M22K, ILAR, ILAR, ILAR, G26K, E27K, E27K, SII, SUA, CUT, MCK, H25L, POKR, COLA, COLA, COLA, D27M, D27M, BMAR, F26K, SKT, N20K





19d 11h

0.7nm,0.9s,baz=277,slow=4.9,SNR=6.6
0.7nm,0.9s
NVAR Mina Array Bea 127.48 347 PKP 10 59 36.6 +1.3
0.5nm,0.6s,baz=292,slow=8.3,SNR=3.9

CNMR 19 10:45:13.0,35.74N,10.10W,h34km
SFS 19 10:45:13.0,36.00N:10.01W,h0km,ML3.2/6,ML3.2/6,
MLV3.2/6
MDD 19 10:45:14.1,1.5,35.93N:9.87W,h0km,mb\_Lg2.6/5,Error
ellipse: s-maj=12.9km s-min=10.8km az=140.0
ISC 19 10:45:10.7,1.9,35.83N:0.04:9.9W:0.1,h10km,n24,
r122:33,West of Gibraltar

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists stations like Vila Bisbo, Barranco-Do-Ve, Castro Verde, etc.

ATH 19 11:27:55.5,40.14N:20.57E,h49km,8km,ML2.3/5,Error
ellipse: s-maj=8.7km s-min=1.8km az=141.0
TIR 19 11:27:55.8,40.09N:20.56E,h10km,MD2.7,MI2.2
ISC 19 11:27:55.3:0.0,40.10N:0.04:20.59E:0.04,h17km,6km,
n11,r1512/18,Greece-Albania border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists stations like Leskovik, SRN, SRN, etc.

JMA 19 11:32:07.5:0.1,40.2N:0.3:142.5E:0.7,h34km,1km,
MV3.8/40,NE OFF IWATE PREF
NIED 19 11:32:07.5,40.15N:142.46E,h34km,MW3.8,Moment
Tensor Solution. s3 Moment tensor: Scale 10^14Nm;
Mn:2.70; Mw:0.19; Ms:0.289; Md:2.35; Me:0.27; Mf:3.24;
Fault plane solution: Mo:4.88000x10^14 NP1:29.00000°,
874.00000°,1.105.00000°. NP2:166.00000°,822.00000°,
1.49.00000°

IDC 19 11:32:11.7:1.2,40.088N:141.10E,h0km,mb3.7/8,
mbmp3.6/10,ML3.1/2, Error ellipse: s-maj=27.0km
s-min=16.9km az=120.0
ISC 19 11:32:06.4:1.8,40.13N:0.04:142.49E:0.08,h30km,12km,
n29,r1594/29,mb3.7/8,16D,Near east coast of eastern
Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists stations like Tanohata, Kujedjanarisaw, etc.

2018 APR

Table with columns: MJAR, Station Name, Time, Res, h m s, ISC. Lists stations like Matushiro Arra, KSRS, H11N2, etc.

IDC 19 11:38:19.0:0.5,40.14N:142.54E,h0km,mb4.8/32,
mbmp4.8/37,ML4.2/5,MS4.0/62,Error ellipse:
s-maj=14.3km s-min=11.1km az=103.0
BUJ 19 11:38:23.5:0.0,40.12N:142.50E,h53km,mb4.9/77,
mb4.9/42,Ms4.2/54,Ms7.4/2/52
MOS 19 11:38:23.7:0.9,40.20N:142.51E,h43km,mb5.3/54,Error
ellipse: s-maj=6.1km s-min=3.7km az=114.5
NIED 19 11:38:24.8,40.15N:142.47E,h34km,MW4.8,Moment
Tensor Solution. s3 Moment tensor: Scale 10^16Nm;
Mn:0.93; Mw:0.02; Ms:0.91; Md:0.63; Me:0.13; Mf:1.08;
Fault plane solution: Mo:1.55000x10^16 NP1:25.00000°,
872.00000°,1.100.00000°. NP2:174.00000°,820.00000°,
1.61.00000°

JMA 19 11:38:24.8:0.1,40.2N:0.2:142.5E:0.6,h34km,1km,
MD4.8/40,MW4.8/40,NE OFF IWATE PREF
JMA Felt III J1 at NE OFF IWATE PREF
NEIC 19 11:38:25.4:2.0,40.20N:0.06:142.47E:0.08,h39km,6km,
mb4.9/251,Error ellipse: s-maj=9.7km s-min=7.6km
az=117.0
GCMT 19 11:38:28.0:0.4,40.23N:0.02:142.45E:0.04,h39km,1km,
MW4.9/70,Moment Tensor Solution. s25:c27; s70:c08;
Duration: 0 Moment tensor: Scale 10^16Nm; Mn:2.33; Mw:0.23; Ms:1.02; Md:0.80; Me:0.16; Mf:0.6;
Mv:1.33; 08; Best double couple: Mo:2.54000x10^16
NP1:20.00000°,864.00000°,1.101.00000°. NP2:
175.00000°,828.00000°,1.68.00000°. Principal axes: T
2.7070,Plg69.00000°,AzM313.00000°; N -0.3350,
Plg10.00000°,AzM195.00000°; P -2.3730,Plg18.00000°,
AzM101.00000°; nsta1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function

BGR 19 11:38:34.2:41.12N:140.60E,h48km,1km,mb4.9,Ms4.3
ISC 19 11:38:24.0:0.3,40.15N:0.03:142.50E:0.03,h33km,1km,
h33km:PP-P,n113,r146/99,mb5.0/266,MS4.1/81,
49C-44D,Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists stations like Tanohata, Kujedjanarisaw, etc.

1206

Table with columns: KJB, Station Name, Time, Res, h m s, ISC. Lists stations like Kayabe, JSR, JNBK, etc.





19d 11h

Table with columns: ID, Name, Date, Time, Status, Location, Value, etc. Includes entries like L14K Kuka Creek, S12K Black Hills, G15K Niukluk, etc.

2018 APR

Table with columns: ID, Name, Date, Time, Status, Location, Value, etc. Includes entries like P17K Kvichak River, GCSA Galena City Sc, D19K Kuna River, etc.

1208

Table with columns: ID, Name, Date, Time, Status, Location, Value, etc. Includes entries like KTH Kantishna Hill, CAPN Captain Cook, KURK Kurchatov, etc.





Table with columns for station code, name, elevation, and coordinates. Includes stations like FLTG Flechtingen, BRG Berggiesshubel, CLL Colim, etc.

Table with columns for station code, name, elevation, and coordinates. Includes stations like SOKA Ghor Haditha, MEM Mesach, ANMO Albuquerque, etc.

Table with columns for station code, name, elevation, and coordinates. Includes stations like O53A New Philadelph, P52A Corning, B33A Chaparral WMA, etc.

19d 13h

Table with columns: AGG, Agios Georgios, 1.42 76 P, P, Pb, 12 00 02.8 -0.2, 12 00 29.4

IDC 19 12:00:57.2, 2.9, 25.34Sx179.53E, h551km, 32km, mb3.1/7, mbtmp4.1/8, Error ellipse: s-maj=28.8km s-min=17.8km

ISC 19 12:00:53.2, 0.8, 25.4S, 0.1, 179.6E, 0.1, h507km, n13, a1925/15, mb3.6/7, South of Fiji Islands

Main table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Rows include DZM, URZ, STKA, ASAR, WRA, GSPA, NVAR, CMAR, TXAR, MKAR, NOA, HFS, MMAI

IDC 19 12:10:46.8, 8.2, 15.175Sx173.95W, h0km, mb3.8/3, mbtmp3.8/3, Error ellipse: s-maj=361.9km s-min=40.0km az=139.0, Tonga Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Rows include WRA, ASAR, ILAR

IDC 19 12:11:19.8, 5.1, 4.09Sx132.83E, h0km, mb3.7/1, mbtmp3.6/3, ML3.5/2, Error ellipse: s-maj=313.0km s-min=30.2km az=75.0, Irian Jaya region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Rows include WRA, ASAR, MKAR

IDC 19 12:23:5.2, 7.1, 88.33N, 146.36E, h0km, mb3.8/6, mbtmp3.8/6, Error ellipse: s-maj=85.9km s-min=23.6km az=79.0, Mariana Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Rows include WRA, ASAR, CMAR, MKAR, KURBB, BVAR

IDC 19 12:18:33.1, 1.35, 98N, 136.92E, h247km, 23km, mb2.8/2, mbtmp3.4/2, Error ellipse: s-maj=58.9km s-min=26.6km az=59.0

JMA 19 12:18:33.9, 0.3, 36.1N, 0.7, 137.7E, h269km, 3km, MW2.2/9, NORTH-EW GIFU PREF

ISC 19 12:18:34.2, 1.1, 36.22N, 0.1, 136.9E, 0.2, h250km, n7, a1965/10, Near west coast of eastern Honshu

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Rows include JYTO, JNG, JNY, MJAR, MKAR, WRA

IDC 19 12:19:39.1, 1.8, 185N, 126.14E, h0km, mb3.5/4, mbtmp3.5/4, MS2.2/1, Error ellipse: s-maj=184.5km s-min=22.0km az=66.0

DJA 19 12:19:46.0, 5.0, 0.5N, 12.5E, h69km, 13km, M4.2/8, mb4.5/1, MLV4.0/8

ISC 19 12:19:47.3, 1.6, 0.03N, 0.10, 124.91E, 0.07, h53km, n11, a1966/9, mb3.6/4, Minahassa Peninsula, Sulawesi

2018 APR

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Rows include KMSI, GTOI, GTCO, LUWI, LBMI, MRSI, DAVI, SDAI

WRA Warrungarra Arr 21.89 156 P 12 24 46.6 +1.0

ASAR Alice Springs 25.12 160 P 12 25 18.4 +1.1

MKAR Makanchi Array 58.61 327 P 12 29 39.2 -6.6

KURBB Kurchatov Arr 63.91 329 P 12 30 07.6 -7.1

SJA 19 12:28:49.7, 0.5, 27.22Sx64.68W, h10km, 3km, ML4.0, MW3.7

NEIC 19 12:28:50.7, 1.2, 27.22Sx0.08, 64.55W, 0.03, h10km, 1km, ML3.7/12, Error ellipse: s-maj=14.4km s-min=5.4km az=356.0

IDC 19 12:28:52.6, 4.4, 27.31Sx64.49W, h35km, 33km, mb3.5/4, mbtmp3.7/7, ML3.9/3, MS2.9/1, Error ellipse: s-maj=27.1km az=360.0

VAO 19 12:28:53.5, 0.1, 27.52Sx64.68W, h102km, mb4.2

ISC 19 12:28:50.0, 0.6, 27.19S, 0.04, 64.54W, 0.05, h10km, n66, a1959/77, mb3.8/4, Santiago del Estero Province

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Rows include FSA, CYA, SLA, AACL, VCA, APFL, AC02, TCA, AGUA, AVFE, ACHE, GO02, AC06, AC05, AF01, CO01, CO02, CPUB, CPUP, CPUP, CPUB, CPUB

IDC 19 12:28:50.0, 0.6, 27.19S, 0.04, 64.54W, 0.05, h10km, n66, a1959/77, mb3.8/4, Santiago del Estero Province

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Rows include AVFE, ACHE, GO02, AC06, AC05, AF01, CO01, CO02, CPUB, CPUP, CPUP, CPUB, CPUB

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Rows include AC06, AC05, AF01, CO01, CO02, CPUB, CPUP, CPUP, CPUB, CPUB

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Rows include LVC, G004, PB06, CO03, CPUB, CPUP, CPUP, CPUB, CPUB

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Rows include CPUB, CPUB, CPUB, CPUB, CPUB, CPUB, CPUB, CPUB, CPUB

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Rows include SIV, SAML, QSPA, TORD, PDAR, ESDC, ASAR

ASAR Alice Springs 126.39 201 PKP PKPdf 12 47 51.6 -2.3

1212

Table with columns: WRA, ZALV, MKAR, ROM

ROM 19 13:07:27.6, 0.1, 43.033N, 0.003x12.973E, 0.003, h15km, ML0.7/14, 1C, Error ellipse: s-maj=0.3km s-min=0.2km az=332.0, Central Italy

T1219 Muccia, Frazio 0.03 47 P P 13 07 30.4 +0.1

CESI CESI - Serrava 0.06 241 P P 13 07 30.7 +0.2

FDMO Fiordimonte 0.08 87 P P 13 07 30.8 +0.1

FEMA Monte Fema 0.09 141 P P 13 07 31.3 +0.4

T1220 Camerino, Fraz 0.12 48 P P 13 07 33.4 +0.3

CSPI Cessapalombo 0.18 71 P P 13 07 32.2 +0.3

T1221 Campello sul C 0.20 208 P P 13 07 32.5 +0.3

PF6 Pievefavera 0.20 54 P P 13 07 32.4 +0.2

SNTG Ssanatogia 0.22 354 P P 13 07 32.8 +0.2

ASSB Assisi San Luca 0.23 273 P P 13 07 33.1 -0.4

ATCC AVT- Casa Cata 0.29 302 P P 13 07 33.7 -0.4

ROM 19 13:07:55.8, 0.1, 42.672N, 0.004x13.293E, 0.006, h12km, ML1.9/76, Error ellipse: s-maj=0.5km s-min=0.2km az=257.0, Central Italy

SMA1 SAN MARTINO 0.05 143 P P 13 07 58.7 +0.3

T1214 Arquata del Tr 0.11 325 AML AML

MTRA Matera 0.11 42 P P 13 07 59.2 +0.2

MTRA Campotosto 0.16 148 P P 13 08 00.1 +0.4

CAMP Campotosto 0.16 148 P P 13 08 00.3 +0.6

RM33 Pellescritta 0.17 200 P P 13 08 00.3 +0.5

RM33 Pellescritta 0.17 200 P P 13 08 00.3 +0.5

RM33 Pellescritta 0.17 200 P P 13 08 00.3 +0.5

RM33 Pellescritta 0.17 200 P P 13 08 00.3 +0.5

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RM33 Pellescritta 0.17 200 P P 13 08 00.3 +0.5

RM33 Pellescritta 0.17 200 P P 13 08 00.3 +0.5

RM33 Pellescritta 0.17 200 P P 13 08 00.3 +0.5

Table with columns for station name, elevation, and various parameters. Includes stations like RM33, LN55 Leonessa, NRCA Norcia, MMO1 Montemonaco, TERO Teramo, GAVE Gavelli, GIGS Gran Sasso, MF5 Montefalcone A, OFFI Offida, FDMO Fiordimonte, ARRO Arrone, CSP1 Cessapalombo, FIAM Fiamignano, and T1219 Muccià, Frazio.

Table with columns for station name, elevation, and various parameters. Includes stations like T1219, CESI Cesi-Serrava, T1220 Camerino, FPF6 Pievofavera, VCEL Villa Celiera, MOMA Monte Mariano, T0110 Collepietro, ASSB Assisi San Ben, SNTG Esanatoglia, EL6 Elcito, SAMA S.Maria delle, MPAG Monte Paganuccio, and ROM 19 13:08:29.6.

Table with columns for station name, elevation, and various parameters. Includes stations like MMO1 Montemonaco, MC2 Monte Cornacci, GIGS Gran Sasso, GAVE Gavelli, T1221 Campello sul C, GUMA Gualdo di Mace, and CSP1 Cessapalombo.

ROM 19 13:09:10.1±0.1, 43°48'N±0.004; 12°48'E±0.006, h9km, ML1.7/20.5C, Error ellipse: s-maj=0.4km s-min=0.3km az=205.0, Central Italy

Table with columns for station name, elevation, and various parameters. Includes stations like ATPI Pietralunga, PIEI Pieia, APEC Apecchio, NARO Abbazia di Nar, FRON Frontone, ATMI Monte Miggiano, PEG3 Peglio, MURB Monte Urbino, SSFR Montelago di S, PARC Parciule, MPAG Monte Paganuccio, FOSV Fossato di Vic, ATCC AVF-Casa Cast, ARVD Arcevia, CPGN Carpegna, Ital Castiglione, CAFI Castiglione, EL6 Elcito.

IDC 19 13:15:03.6±1.2, 41°48'N±100°35'W, h0km, mb3.2/2, mbtmp3.4/6, ML3.5/4, Error ellipse: s-maj=16.1km s-min=10.1km az=124.0

NEIC 19 13:15:04.2±1.8, 41°34'N±0°05'100°15'W±0.03, h5km±1km, mb\_Lg3.3/129, Error ellipse: s-maj=8.7km s-min=3.3km az=346.0

ISC 19 13:15:02.2±0.8, 41°44'N±0°06'100°17'W±0°04, h10km, n80, r165/43, Nebraska

Table with columns for station name, elevation, and various parameters. Includes stations like K30B Basset, OGNE Ogallala, BGNE Belgrade, N33A J Bar K, Exete, CBKS Cedar Bluff, L34A Svendsen Farm, KSC0 Kaye Shedlock, SUSD Miller, R32A Long Quarter, N35A Tabor, ECSD EROS Data Cent, KSU1 Kansas State U, RSSD Black Hills, PHWY Pilot Hill, N23A Red Feather Le, ISCO Idaho Springs, KAN12 Harper NE Sta, KAN08 Anthony NE Sta, KAN01 Argonia South, KAN14 Manchester OK, OK032 Salt Plains WL, KAN13 South Haven SW, and GC02 Grant County #.





1215

Table with columns: Station ID, Name, Azimuth, Elevation, Frequency, Modulation, and other parameters. Includes stations like H19K Roundabout Mou, E19K Redstone River, etc.

2018 APR

Table with columns: Station ID, Name, Azimuth, Elevation, Frequency, Modulation, and other parameters. Includes stations like TOLK Toolik Lake Re, PMR Palmer, MCK McKinley, etc.

19d 13h

Table with columns: Station ID, Name, Azimuth, Elevation, Frequency, Modulation, and other parameters. Includes stations like M29M Somme Creek, L29M L29M, PNL Peninsula, etc.

19d 13h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DUG, BW06, PD31, etc.

19d 13h:34:33.4,0.7,2.18N,96.23E, h0km, mb4.4/21, mbtmp4.4/23, ML3.9/2, MS3.8/4, Error ellipse: s-maj=28.1km s-min=12.8km az=52.0

DJA 19 13:34:35.8,0.7,2.1N,96.23E, h16km, mb4.8/15, mb5.2/10, mb5.2/6, ML4.8/15, Mw(mb)4.5, NEIC 19 13:34:35.0, 1.6, 2.13N,0.07,96.23E, 0.09, h10km, 1km, mb4.9/47, Error ellipse: s-maj=17.2km s-min=8.3km az=240.0

BJJ 19 13:34:37.5,0.0,2.19N,96.30E, h42km, mb4.8/55, mb5.0/32, Ms4.4/32, Ms7.4/234, ISC 19 13:34:37.2,0.4, 2.16N,0.05,96.26E, 0.06, h28km, n164, a126/139, mb4.8/65, MS3.9/46, 5C, Northern Sumatera

Main table for 19d 13h with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SINASI, GSI, KCSI, etc.

2018 APR

Main table for 2018 APR with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H0S3, H0S1, GYA, etc.

1216

Main table for 1216 with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ARSB, FORT, AS31, etc.



19d 14h

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like SVW2 Sparrevohn, N19K Bonanza Creek, K15K Wolf Creek Mou, etc.

2018 APR

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like TIXI Tiksi, YSS Yuzh-Sakhalins, EUNU Eureka, etc.

1218

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like FRB Frobisher Bay, CN2 Chanchung, CN2, NRIK Noril'sk, etc.

1219

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like GTA, LZH, KURK, SVR, etc.

2018 APR

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like PZH, BKV, AAK, EKSZ, etc.

19d 14h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KSV, BFO, VYHS, NSLU, etc.

19d 16h

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

IDC 19 15:02:13.3±1.6, 3.74N, 126.92E, h0km, mb3.7/5, mbtmp3.7/5, Error ellipse: s-maj=171.0km s-min=19.5km az=66.0

DJA 19 15:02:18.7±0.6, 4.1N, 127.5E, h10km, M3.9/11, mb4.0/6, mb5.2/2, ML3.9/11, Mw(mb)4.5/2

ISC 19 15:02:15.7±1.1, 3.78N, 101.2676E±0.08, h10km, n13, ±166/17, mb3.8/5, Talaud Islands

Main station list for 19d 16h, including SGSI, TNTI, LBMI, GTOI, SANI, LUWI, SWI, FAKI, WRA, ASAR, STKA, MKAR, KURBB, etc.

MOS 19 15:23:28.8±0.8, 48.51N, 156.18E, h14km, mb4.1/1, Error ellipse: s-maj=28.5km s-min=5.5km az=81.4

IDC 19 15:23:30.1±4.0, 48.75N, 156.07E, h0km, mb3.6/7, mbtmp3.6/8, ML2.6/1, MS3.0/4, Error ellipse: s-maj=90.7km s-min=31.2km az=161.0

KRSC 19 15:23:39.3±1.7, 49.27N, 157.02E, h14km, 31km, M4.6

ISC 19 15:23:32.3±1.5, 48.9N, 0.1±156.4E±0.1, h10km, n55, ±279/55, mb3.6/7, East of Kuril Islands

Station list for MOS, IDC, KRSC, and ISC events, including SKR, PAU, KDR, ASAK, etc.

Station list for PETK, DALK, UGLR, AVH, etc.

Station list for H1N2, H1N1, H1N3, H1S1, H1S3, H1S2, ZALV, YKA, MKAR, KURK, RES, KURBB, BVAR, FINES, LEM, EKA, H03N2, H03N1, H03N3, etc.

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SJA 19 15:39:35.6±0.8, 27.45S, 69.99W, h118km, 4km, ML3.7, MW3.7

IDC 19 15:39:37.5±0.9, 27.39S, 70.11W, h102km, 6km, mb3.4/3, mbtmp3.7/3, Error ellipse: s-maj=44.3km s-min=23.5km az=116.0

GUC 19 15:39:37.0±0.9, 27.52S, 69.91W, h96km, 4km, ML3.9

ISC 19 15:39:37.4±0.7, 27.46S, 0.03, 69.98W±0.04, h103km, 5km, n41, ±994/44, mb3.7/3, IC, Northern Chile

Station list for SJA, IDC, GUC, and ISC events, including G003, AC06, AC02, AC04, etc.

Station list for LCO, VCA, GO02, GO07, GO04, CO01, CO05, AROD, GO04, GO04, ACCO, CO03, AVFE, PB10, RTLS, PB05, H03N1, H03N2, H03N3, SNA, QSPA, QSPA, TORD, TORD, ASAR, WRA, ZALV, MKAR, MKAR, etc.

Station list for CO03, AVFE, PB10, RTLS, PB05, H03N1, H03N2, H03N3, SNA, QSPA, QSPA, TORD, TORD, ASAR, WRA, ZALV, MKAR, MKAR, etc.

Station list for SJA 19 15:40:29.3±0.5, 21.09S, 69.07W, h111km, 3km, ML3.6, MW3.7

GUC 19 15:40:31.2±1.7, 21.10S, 69.03W, h100km, 3km, ML3.6

1220

Main station list for 1220, including PB09, PB02, PB02, PB02, PB02, etc.

IDC 19 16:00:04.8±1.6, 47.48N, 93.23W, h0km, mbtmp3.5/3, ML1.8/2, Error ellipse: s-maj=24.2km s-min=11.1km az=65.0, Minnesota

Station list for IDC event, including ULM, ULM, H10CA, PDAR, PDAR, TKL, TKL, YKA, YKA, etc.

HEL 19 16:00:25.5±0.3, 67.18N, 20.61E, h0km, ML1.6, Suspected explosion

IDC 19 16:00:25.8±0.8, 67.13N, 21.16E, h0km, mbtmp3.1/5, ML2.1/5, Error ellipse: s-maj=15.0km s-min=6.2km az=112.0

UPP 19 16:00:25.5±0.0, 67.20N, 20.66E, h0km, ML2.2, Confirmed Induced event

ISC 19 16:00:25.4±0.7, 67.20N, 0.02, 20.67E±0.03, h0km, n41, ±1941/71, Sweden

Station list for HEL, IDC, UPP, and ISC events, including DUNU, MASU, RATU, KUA, SALU, PAJU, PAJU, LANU, LANU, LANU, LANU, HARU, KLF, KLF, HEF, HEF, HEF, KALU, KALU, KALU, SJKU, KIP, KIP, KIP, etc.

HEF 19 16:00:25.5±0.7, 67.20N, 0.02, 20.67E±0.03, h0km, n41, ±1941/71, Sweden



19d 17h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Corral, Currie, Mina Guanaco, Paso Flores, etc.

IDC 19 16:56:43.45.5.36:95Sx177.39E, h226km, 52km, mb2.6/2, mbtmp3.2/2, Error ellipse: s-maj=155.4km s-min=58.8km az=12.0

WEL 19 16:57:01.7, 38°S, 16°W, 177E±2.1, h87km, 27km, M2.4/10, ML2.5/12, MLV2.4/10, Error ellipse: s-maj=0.0km s-min=0.0km az=117.0

ISC 19 16:56:43.8±1.4, 36.6S, 0.1±177.2E±0.1, h200km, n26, #083/22, Off east coast of North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HAZ, MXZ, RUGZ, PKGZ, etc.

UPP 19 17:01:32.9±0.1, 67.04N±20.97E, h0km, ML2.1, Unknown IDC 19 17:01:34.9±0.8, 67.02N±21.21E, h0km, mbtmp3.1/5, ML1.8/4, Error ellipse: s-maj=14.9km s-min=7.4km az=107.0

ISC 19 17:01:34.0±0.9, 67.05N±0.03±20.90E±0.04, h10km, n15, #169/19, Sweden

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DUNU, MASU, PAJU, etc.

DJA 19 17:05:41.4±0.4, 9°S, 6°W, 118E±, h121km, 5km, M3.5/9, mb3.7/3, MLV3.3/9, Sumbawa region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PLA1, TWS1, BASI, etc.

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IDC 19 17:08:10.8±2.1, 13.89N±91.26W, h66km, 10km, mb3.4/2, mbtmp3.7/5, Error ellipse: s-maj=20.5km s-min=12.7km az=23.0

SNET 19 17:08:12.1±1.0, 14.08N±91.17W, h26km, 54km, ML4.0, CATAZ 19 17:08:13.1±0.5, 14.10N±91.20W, h30km, 6km, ML4.3

GCG 19 17:08:14.6±0.6, 14.25N±91.22W, h52km, 14km, MD4.1, ISC 19 17:08:11.8±1.0, 14.01N±0.06±91.28W±0.04, h61km, 9km, n71, #111/88, 1C-1D, Guatemala

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SUGL, FULM, RTAL, etc.

APG 19 17:08:10.0±0.6, 22.17±17.1, S, SNR=113

ISC 19 17:08:16.6±0.9, 8.1N±0.1, 91.37E±0.09, h35km, n13, #182/8, mb3.4/5, Nicobar Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SLOZ, LOAL, NUBE, etc.

UPP 19 17:12:19.8±0.6, 67.22N±20.71E, h0km, ML1.9, Suspected explosion

UPP 19 17:12:19.3±0.0, 67.20N±20.67E, h0km, ML2.6, Confirmed Induced event

ISC 19 17:12:18.6±0.7, 67.21N±0.02±20.59E±0.03, h0km, n40, #194/62, Sweden

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ESQI, ITCA, LALI, etc.

1222

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

IDC 19 17:08:12.1±1.3, 8.09N±91.55E, h0km, mb3.5/5, mbtmp3.5/7, ML3.5/2, Error ellipse: s-maj=41.0km s-min=22.9km az=58.0

ISC 19 17:08:16.6±0.9, 8.1N±0.1, 91.37E±0.09, h35km, n13, #182/8, mb3.4/5, Nicobar Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PALK, CMAR, H08S3, etc.

IDC 19 17:12:19.8±0.6, 67.16N±20.85E, h0km, mbtmp3.3/5, ML2.6/5, Error ellipse: s-maj=13.6km s-min=7.0km az=108.0

HEL 19 17:12:19.8±0.6, 67.22N±20.71E, h0km, ML1.9, Suspected explosion

UPP 19 17:12:19.3±0.0, 67.20N±20.67E, h0km, ML2.6, Confirmed Induced event

ISC 19 17:12:18.6±0.7, 67.21N±0.02±20.59E±0.03, h0km, n40, #194/62, Sweden

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DUNU, MASU, PAJU, etc.





19d 18h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TSZ Takapari Road, WPHZ Waipukurau, LREZ Lake Rotokare, etc.

IDC 19 18:17:15.5+1.1, 41.06N, 48.57E, h0km, mb3.67, mbmp3.5/14, ML3.27, Error ellipse: s-maj=17.2km s-min=9.1km az=174.0

MOS 19 18:17:19.9, 41.21N, 48.82E, h12km, MPVA4.2 DRS 19 18:17:20.9, 41.08N, 49.07E, h21km

AZER 19 18:17:21.0, 41.16N, 48.75E, h10km, m13.4 NNC 19 18:17:23.8-10.0, 41.45N, 49.72E, h0km, mb3.5, Error ellipse: s-maj=102.5km s-min=35.3km az=72.0

ISC 19 18:17:21.4-0.8, 41.19N, 02.48-78E, 0.02, h25km, 6km, n108, az=54/191, mb3.67, 4C-2D, Eastern Caucasus

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SIZA Siyaz, QUBA Quba, ALTIghaj, etc.

2018 APR

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AGDM Agdam, ZKTA Zakatala, ZAKATA, etc.

UNCR Uncukul 2.13 317 ePg Pp 18 17 59.0 -0.2 UNCR Uncukul 2.13 317 eSg Pp 18 18 28.4 +3.2

UNCR Uncukul 2.13 317 eS Pp 18 18 28.3 +3.2 UNCR Uncukul 2.13 317 iS Pp 18 18 29.1 +8.2

UNCR Uncukul 2.13 317 pmax Pp 18 18 29.1 +8.2 UNCR Uncukul 2.13 317 smax Pp 18 18 29.1 +8.2

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1224

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KBZ Khabaz, SHA1 Shidzhatmaz, SHA1 Shidzhatmaz, etc.

BUL 19 18:34:52.6 1.6, 16.60S, 28.62E, h10km, MD3.9 EAF 19 18:34:52.4 0.5, 16.59S, 28.65E, h10km, MD3.9, Zambia

KRI Karoi 0.95 105 iP Pn 18 35 22.1 +1.0 KRI Karoi 0.95 105 iS Pn 18 35 38.7 +1.3

KRI Karoi 0.95 105 iS Pn 18 35 22.1 +1.0 KRI Karoi 0.95 105 iS Pn 18 35 22.1 +1.0

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JMA 19 18:40:53.7, IRIF Iriomote-Funau, etc.

TAP 19 18:41:32.0, 24.03N, 121.89E, h44km, ML2.2, C, Taiwan

HWA Hwalien 0.27 260 iS Pn 18 41 40.2 -1.6 HWA Hwalien 0.27 260 iS Pn 18 41 40.2 -1.6

HWA Hwalien 0.27 260 iS Pn 18 41 40.2 -1.6 HWA Hwalien 0.27 260 iS Pn 18 41 40.2 -1.6

HWA Hwalien 0.27 260 iS Pn 18 41 40.2 -1.6 HWA Hwalien 0.27 260 iS Pn 18 41 40.2 -1.6

HWA Hwalien 0.27 260 iS Pn 18 41 40.2 -1.6 HWA Hwalien 0.27 260 iS Pn 18 41 40.2 -1.6

HWA Hwalien 0.27 260 iS Pn 18 41 40.2 -1.6 HWA Hwalien 0.27 260 iS Pn 18 41 40.2 -1.6

HWA Hwalien 0.27 260 iS Pn 18 41 40.2 -1.6 HWA Hwalien 0.27 260 iS Pn 18 41 40.2 -1.6

HWA Hwalien 0.27 260 iS Pn 18 41 40.2 -1.6 HWA Hwalien 0.27 260 iS Pn 18 41 40.2 -1.6

1225

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like E0S4, ETLH, ENA, EWUT, LXIB, E0S3, ESL, ESAO, EGFH, EGFF, WARBT, TWC, WHF, WHF, LATG, NNSB, NNSB, NDS, NNS, FUSS, CHGB, OWD, NDT, ENTT, ENTT, HGSD, TWT, TDCB, WUSB, WUSB, TWE, TWE, EHY, EHY, VWDT, VWDT, FUSB, FUSB, YHNB, YHNB, NSK, NSK, ECBN, NWLT, NWLT, YULB, YULB, EYUL, EYUL, TWF1, TWF1, SSLB, SSLB, WHP, WHP, SMLT, SMLT, NFF, NFF, TIPB, TIPB, CHKH, CHKH, TYC, TYC.

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Table with columns: FULB, Fuli, Az, Phase, ID, Time, Res. Includes stations like WHYT, WHYT, LIOB, LIOB, NSTT, NSTT, TWQ1, TWQ1, EHD, EHD, YOJ, YOJ, WNT, WNT, ALS, ALS, WNT, WNT, ALS, ALS, ELDTW, ELDTW, EDH, EDH, EDH, EDH, WTK, WTK, CHN4, CHN4, WTP, WTP, TWG, TWG, WTK, WTK, TWK, TWK, CHN1, CHN1, CHN1, CHN1, SGST, SGST, SLGT, SLGT, SSD, SSD, MASBT, MASBT, MASBT, MASBT.

19d 19h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like OJC, OJC, OKC, OKC, LANS, LANS, LANS, LANS, NIE, NIE, MORC, MORC, MAUC, MAUC, KRLO, KRLO, STHS, STHS, STHS, STHS, VVHS, VVHS, VVHS, VVHS, VRAC, VRAC, KECS, KECS, KECS, KECS, CRVS, CRVS, CRVS, CRVS, KRUC, KRUC, MODS, MODS, MODS, MODS, KOLS, KOLS, KOLS, KOLS, PVCC, PVCC, PRU, PRU, PRU, PRU, RONA, RONA, RONA, RONA, CONA, CONA, CONA, CONA, BRG, BRG, BRG, BRG, KHC, KHC, KHC, KHC, CLL, CLL, BIOA, BIOA, WTTA, WTTA, WTTA, WTTA, FETA, FETA, FETA, FETA.

NEIC 19 18:44:33.1±0.8,36°28'N:0°01:97.51W±0.01,h5km,2km, ML1.7/4.0,Error ellipse: s-maj=1.5km s-min=1.2km

NEIC 19 18:56:58.3±0.6,36°27'N:0°01:97.509W±0.007,h4km,2km, ML1.9/1.7,Error ellipse: s-maj=1.5km s-min=0.8km

IPEC 19 18:47:56.3±0.2,50°17'N:19°12'E,h1km,ML2.3/4,Error ellipse: s-maj=2.5km s-min=1.0km az=167.0 VIE 19 18:47:56.3±0.4,50°10'N:19°14'E,h0km,mb2.5/6,ml2.4/4,ms3.5/1,Error ellipse: s-maj=5.2km s-min=2.7km az=158.0, Suspected Mining induced. PRU 19 18:47:57.0±0.5,50°16'N:19°09'E,h0km ISC 19 18:47:56.1±0.8,50°15'N:0°04:19.12E±0.02,h0km,n31,

TAP 19 19:15:17.9,24°58'N:122°48'E,h95km,ML2.7,C JMA 19 19:15:19.0±0.2,24°N:122°56'E±0.4,h83km,1km, MW 19 19:15:19.2±0.3,24°32'N:122°46'E±0.02,h84km,7km, n88,±0.84/160,Taiwan region Code Station Name Az Phase ID Time Res E0S2 E0S2 0.23 244 S Sn 19 15 42.3 +1.8 E0S3 E0S3 0.27 209 eP Sn 19 15 31.8 +0.2 E0S3 E0S3 S Sn 19 15 42.9 +2.1



Table with columns: Code, Station Name, Az, El, P, I, A, M, B, and various numerical values. Includes stations like WRH Wood River Hill, IMAR Indian Mountain, ILAR Eielson Array, etc.

1DC 19:43:56.6,2.0, 17.16S:178.82W, h469km, 21km, mb3.7/18, mbtmP4.1/18, Error ellipse: s-maj=15.3km s-min=11.5km az=103.0

NEIC 19:43:58.4,2.5, 17.2S:0.1:178.7W, 0.1, h490km, 6km, mb4.3/117, Error ellipse: s-maj=17.5km s-min=14.1km az=125.0

NOU 19:44:26.3, 17.87S:179.97W, h251km, MLL3.5/5, Fiji Islands Region

ISC 19:44:01.8,0.4, 17.25S:0.08:178.84W, 0.09, h533km, n227, s127/195, mb4.2/78, 11C-12D, Fiji Islands Region

Table with columns: Code, Station Name, Az, El, P, I, A, M, B, and various numerical values. Includes stations like LKBA Tubou, DGTI Taveuni, MWVF Nonsau, etc.

Table with columns: Code, Station Name, Az, El, P, I, A, M, B, and various numerical values. Includes stations like GSPA South Pole Qui, PETK Petrolovsk, KSRS Korea Array, etc.

Table with columns: Code, Station Name, Az, El, P, I, A, M, B, and various numerical values. Includes stations like IMW Indian Meadow, LOHW Long Hough, FLWY Flat Ranch, etc.

19d 20h

ISC 19 20:03:41.0-0.9, 24 03N.0'02.122:31E.0'02, h27km, 6km, m127, c08R0/216, Taiwan region

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC, h m s, Res. Lists stations like E0S4, E0S3, E0S2, etc.

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Table with columns: WVDT, WYUL, WYULB, etc. Lists stations like WYUL, WYULB, SX11, etc.

1228

Table with columns: WTK, WTK, TWK, TWK, etc. Lists stations like WTK, TWK, CHN1, etc.

IDC 19 20:06:20.9-2.6, 14'26N-93'52W, h0km, mb3.6/4, mbimp3.6/5, ML2.7/2, MS3.5/3, Error ellipse: s-maj=56.5km s-min=26.6km az=19.0

MEX 19 20:06:23.6-0.6, 14'15N-93'41W, h10km, MD4.0

ISC 19 20:06:14.2-1.9, 14'12N-93'65W, h0.03, h9km, 11km, n29, r156/41, mb3.9/4, MS3.4/3, Near coast of Chiapas

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

0.7nm, 0.8s, baz=360, slow=3.5, SNR=6.8

IDC 19 20:06:42.4+1.2, 53.55N; 163.72W, h0km, mb3.9/18, mblmp3.9/20, ML3.3/2, MS3.2/4, Error ellipse: s-maj=30.1km s-min=15.3km az=172.0

NEIC 19 20:06:43.2+2.3, 53.39N; 0.03:163.57W; 0.06, h10km, 2km, mb3.8/24, ML3.6/10, ML3.5(AEIC), Error ellipse: s-maj=7.3km s-min=4.1km az=293.0

AEIC 19 20:06:45.0+2.5, 53.38N; 0.07:163.57W; 0.08, h25km, 7km, Error ellipse: s-maj=11.1km s-min=6.4km az=156.0

ISC 19 20:06:44.3+2.8, 53.43N; 0.08:163.52W; 0.04, h17km, 16km, n145, c129/136, mb4.1/17, Unimak Island region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, Op, ISC, h m s, ISC. Lists various seismic stations and their parameters.

Table with columns: D24K, Happy Valley, 17.19 18, Iamb, Iamb, 20 11 11.9. Lists seismic events with station codes and times.

IDC 19 20:08:37.5+2.3, 13.92N; 93.37W, h0km, mb3.8/7, mblmp3.8/9, ML3.4/3, Error ellipse: s-maj=51.0km s-min=24.0km az=19.0

MEX 19 20:08:41.9+0.4, 14.17N; 93.49W, h16km, 999km, MD4.3, NEIC 19 20:08:42.3+2.4, 14.40N; 0.04:93.25W; 0.04, h10km, 1km, mb4.2/25, MD4.3/42(MEX), Error ellipse: s-maj=6.7km s-min=5.7km az=135.0

ISC 19 20:08:41.2+4.4, 14.33N; 0.06:93.36W; 0.04, h12km, 14km, n78, c180/107, mb4.2/16, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Phase ID, Time Res, Op, ISC, h m s, ISC. Lists seismic stations and their parameters.

Table with columns: CMIG, MTO3, NEUV, NEUF, etc. Lists seismic stations and their parameters.

IDC 19 20:27:32.3+2.4, 4.39S; 128.59E, h0km, mb3.4/1, mblmp3.7/3, ML3.7/2, Error ellipse: s-maj=176.9km s-min=30.8km az=68.0, Banda Sea





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Table with columns for station name, frequency, power, and time. Includes stations like BOSHA, SUR, VOI, MOPA, MUSN, etc.

Table with columns for station name, frequency, power, and time. Includes stations like BELA, LODK, GSPA, QSPA, SHEL, etc.

Table with columns for station name, frequency, power, and time. Includes stations like KIC, LIC, MHTO, MHTO, etc.



1233

Table with columns: Call Sign, City, Frequency, Power, Mode, and other details. Includes stations like CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

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Table with columns: Call Sign, City, Frequency, Power, Mode, and other details. Includes stations like LUWI Luwuk, TOLIZ Toilitoi, AFSR Afar-Bala (An), etc.

19d 21h

Table with columns: Call Sign, City, Frequency, Power, Mode, and other details. Includes stations like SANI Sanana, SANI Sanana, NLAI Namlea, etc.

19d 21h

Table with columns for station code, name, frequency, and various signal quality metrics (P, M, S, etc.) and numerical values.

2018 APR

Table with columns for station code, name, frequency, and various signal quality metrics (MLR, M, S, etc.) and numerical values.

1234

Table with columns for station code, name, frequency, and various signal quality metrics (eP, LR, P, etc.) and numerical values.



Table with columns for station call letters, name, frequency, and various signal quality metrics. Includes stations like Kasperke Hory, Galich'ya Gora, Samuel, etc.

Table with columns for station call letters, name, frequency, and various signal quality metrics. Includes stations like GTA, MDP, CLF, CLL, CLM, etc.

Table with columns for station call letters, name, frequency, and various signal quality metrics. Includes stations like TIY, ZALV, HNR, BTO, etc.

Table with columns for name, date, time, location, and status. Includes entries like COVE Coope Vega, Sa Daneborg, DBG Daneborg, JKA Kamikawa-asahi, DAG Danmarks Havn, ACON Acopya, YAK Yakutsk, BOAB BOACO BROADBANK, ICESG Greenland Ices, SUMG Summit, NOR Nord, TAOE Nuku Hiva Isla, TIKI Tiksi, LMN Caledonia Moun, SFJD Kangerlussuaq, CAMR Camaricoa, ILULI Ilulissat, GGN Saint George, G65A Princeton, M65A Bussy, Falmout, NUGA Nuugaatsiaq, F64A Sherman, PETF Flores, NEEM North Greenlan, PKME Peaks-Kenny Pk, F63A Nahmakanata, Br, M63A Gates Ferry, I63A Otisfield, HRV Adam Dzielwonski, UCCT U. Connecticut, G62A West of Eustis, TEIG Tepich, V61A Roper, N62A Caumsett State, WSPT Westport, CT, L61B Northampton, Y60A Bolivia, LBNH Lisbon, PAL Palisades, P61A Hammonont, LMQ La Malbaie, SCHG Schefferville, TRNY Table Rock, Ra, W56A Willston, T59A Double "B" Far, Y58A Scranton, 257A Skidaway Islan, 456A Hilliard, MA2 Magadan, CBN Corbin Frederi, L59A Walton, FRNY Flat Rock, MVL Millersville, R58B Mineral, MNTQ Montreal, Queb, W57A Gilead, BIRD Birdtown, Kers, LONY Lake Ozonia, LONY Lake Ozonia, J58A Remsen, N58A Sunbury, BINY Binghamton, B57A Hurl, P57A Homestead Farm, SEY Seymour, WBO Williamsburg, TIGA Tifton, TIGA Tifton, U56A King

Table with columns for name, date, time, location, and status. Includes entries like TULEG Thule, SSSA Standing Stone, SSSA Standing Stone, KMSC Kings Mountain, PAUL Pauline, J56A Wolcott, V55A Taylorsville, HODGE Hodges, BLA Blacksburg, BLA Blacksburg, GOGA Godfrey, PEAOB Petropavlovsk, M55A Ridgway, 352A Blakely, MCWV Mont Chateau, MCWV Mont Chateau, U54A Nelsons Funny, 451A Vernon, BG3 Lakelse, DELO Deloro Mine, PET Petropavlovsk, V53A Saluda, Q54A Coxs Mills, J54A Appleton, ERPA Erie, ERPA Erie, V52A Sevierville, TKL Tuckaseechee, 250A Grady, O53A New Philadelphia, M53A WI Miller and, M53A WI Miller and, TZTN Tazewell, BRAL Brewster, X51A Calhoun, Q52A Sidway, O52A Adamsville, P52A Corning, M52A Chesterland, S51A Beattyville, W50A Signal Mountai, Y49A Blount Mountai, L49A Lakeview Retre, LRAL Lakeview Retre, N51A Ashland, R50A Paris, M50A Fremont, K50A Casco, Z47A Carrollton, R49A Shelbyville, 545A Edgard, O49A Covington, O49A Miami Univ, N49A Columbus, AAM Ann Arbor, P48A Milroy, O48B Farmland, O48B Farmland, WCI Wyandotte Cave, WCI Wyandotte Cave, WCI Wyandotte Cave, L48A N Adams, T47A Sharon Grove C, WVT Waverly, BILL Bilbino, MOIG Morelia, Y45A Yeager Farm, C, BLO Bloomington, N47A Urbana, OXF Oxford, USIN University of, T45A Paducah, HALT Halls, E46A Eue Claire, GLAT Glass, L46A Eue Claire, SF6N Lafayette, HICK Hickman, RES Resolute Bay, PEBM Pemiscott Bayo, GNAR Gosnell

Table with columns for name, date, time, location, and status. Includes entries like G45A Suttons Bay, SIUC Southern Ilin, S44A Carbondale, HBAR Harrisburg, CGM3 Cape Girardeau, O44A Mansfield, HQ1L Hanson Quarry C, M44A Midewim, Midew, PBMO Poplar Bluff, L44A Lake County Fo, Z41A Richland Creek, LCAR Lake Charles, P43A Skaggs, Pawnee, FVM French Village, SLM Saint Louis, WLAR White Oak Lake, HDIL Hopedale, HDIL Hopedale, HKT Hockley, HKT Hockley, HKT Hockley, WHAR Woolly Hollow, NATX Naacocoches, CCM Cathedral Cave, CCM Cathedral Cave, CCM Cathedral Cave, F42A Maple Grove Fa, MIAR Mount Ida, L42A Oliver, Polo, I42A Draeger Farm, MGMO Mountain Grove, Z38A Mt. Pleasant, R40A Maddies Statio, JFWS Jewell Farm, JFWS Jewell Farm, COWI Conover, P40A Paris, HHAR Hobbes, 833A Chaparral WMA, 435B Chaparral WMA, L40A Anamosa, S39A Bolivia, I40A Norwalk, G40A Rib Lake, G40A Rib Lake, X37A Clayton, WHTX Lake Whitney, WHTX Lake Whitney, P38A Dawn, Z35A Perchaven, San, N38A Joes South For, FW06 Azle, TUL3 Leonard, SCIA State Center, SCIA State Center, JCT Junction City, JCT Junction City, EYMN Ely, EYMN Ely, W35A Tecumseh, OK052 Battle Ridge R, OK031 S. Brethren Rd, SPMN Marine on St., SPMN Marine on St., OK033 Mehan, FNO Franklin, T35A Sooner Cattle, OK051 E0350 ar, JUNCTION City, OK029 Liberty Lake, ABTX Abilene, Hawle, ABTX Abilene, Hawle, F36A Milaca, WMOK Wichita Mounta, WMOK Wichita Mounta, KSU1 Kansas State U, KSU1 Kansas State U, CROK Carrier, B35A Bob, Littlefor, OK032 Salt Plains WL, HPGI Hopedale, TXAR Lajitas Array, TXAR Lajitas Array, OK035 E0210 Rd and N, U32A Winter Ranch,

19d 21h

Table with columns: Station ID, Name, Frequency, Power, Status, and other technical details. Includes stations like A21K Barrow, A19K Wainwright, A36M Sachs Harbour, etc.

2018 APR

Table with columns: Station ID, Name, Frequency, Power, Status, and other technical details. Includes stations like G18K Tagagawik, E28M Babbage River, E28M Babbage River, etc.

1238

Table with columns: Station ID, Name, Frequency, Power, Status, and other technical details. Includes stations like TUC Tucson, N23A Red Feather La, N23A Red Feather La, etc.



1239

Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, and other details. Includes entries like SCRK Sand Creek, K27K Chicken, RIDG Independent Ri, etc.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, and other details. Includes entries like RC01 Rabbit Creek A, M29M Somme Creek, IRM Iron Mountain, etc.

19d 21h

Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, and other details. Includes entries like PLBC Pleasant Camp, GRAC Grapevine Rang, ARVC Arvic, etc.

SJA 19 21:11:21.5:0.6,24:27S:67:19W,h200km,5km,ML3.5, MW3.7
GUC 19 21:11:23.0:7.24:25S:67:23W,h184km,9km,ML3.7
ISC 19 21:11:22.4:1.9,24:21S:0,04:67:28W,0.04, h200km,17km,n33,r1936/54,4C-1D,Chile-Argentina border region

Table with columns: Code, Station Name, Azimuth, Altitude, Phase ID, Time, and Res. Includes entries like SLA San Lorenzo, LVC Limon Verde, etc.



1241

T1221	comp=E,776µm,0.3s	AML	AML		
SSM1	San Severino M	0.26	13	Pg	22 45 36.5 -0.2
SSM1				Sb	22 45 40.9 +0.6
MF5	Montefalcone A	0.27	87	Pb	22 45 37.3 -1.3
MF5				S	22 45 42.2 -1.1
MF5	comp=N,900µm,0.8s			AML	
MF5	comp=E,1278µm,0.5s			AML	
MF5	comp=N,695µm,0.0s			AML	
MF5	comp=E,1143µm,0.4s			AML	
MTL1	Matelica	0.29	347	Pg	22 45 37.2 -0.1
MTL1				Sb	22 45 42.0 -2.0
MTRA	Matera	0.31	135	Pg	22 45 37.6 0.0
MTRA				Sb	22 45 42.8 -1.8
MTRA	comp=N,734µm,1.3s			AML	
MTRA	comp=E,798µm,0.2s			AML	
MTRA	comp=N,664µm,1.3s			AML	
MTRA	comp=E,748µm,0.2s			AML	
MTRA	comp=N,640µm,0.2s			AML	
MTRA	comp=E,748µm,0.2s			AML	
MTRA	comp=E,798µm,0.2s			AML	
MTRA	comp=N,691µm,0.3s			AML	
MNTP	Montappone	0.32	59	Pb	22 45 38.2 -1.2
MNTP				Sb	22 45 44.2 -0.6
GAVE	Gavelli	0.32	208	AML	
GAVE	comp=N,655µm,0.3s			AML	
GAVE	comp=E,1905µm,0.3s			AML	
GAVE	comp=N,654µm,0.3s			AML	
GAVE	comp=E,2030µm,0.3s			AML	
GAVE	comp=E,1905µm,0.3s			AML	
GAVE	comp=N,654µm,0.3s			AML	
GAVE	comp=N,1970µm,1.0s			AML	
GAVE	comp=E,2028µm,0.3s			AML	
GAVE	comp=E,1904µm,0.3s			AML	
GAVE	comp=N,1969µm,0.3s			AML	
ASSB	Assisi San Ben	0.33	282	AML	
ASSB	comp=N,886µm,0.5s			AML	
ASSB	comp=E,822µm,1.2s			AML	
ASSB	comp=N,789µm,0.2s			AML	
ASSB	comp=E,732µm,0.2s			AML	
EL6	Elicto	0.35	0	Pg	22 45 38.2 -0.3
EL6				Sb	22 45 44.0 -1.9
EL6	comp=N,5745µm,0.7s			AML	
EL6	comp=E,4400µm,1.4s			AML	
EL6	comp=E,4108µm,0.2s			AML	
EL6	comp=N,5252µm,0.1s			AML	
LNSS	Leonessa	0.37	187	Pg	22 45 38.7 -0.2
LNSS				Sb	22 45 44.9 -1.6
LNSS	comp=N,742µm,0.5s			AML	
LNSS	comp=E,912µm,0.3s			AML	
LNSS	comp=N,434µm,0.1s			AML	
LNSS	comp=E,911µm,0.3s			AML	
LNSS	comp=N,434µm,0.1s			AML	
SMA1	SAN MARTINO	0.39	153	Pg	22 45 38.9 -0.2
SMA1				Sb	22 45 45.2 -1.6
SMA1	comp=N,681µm,0.4s			AML	
SMA1	comp=E,650µm,0.7s			AML	
SMA1	comp=N,681µm,0.4s			AML	
SMA1	comp=N,681µm,0.4s			AML	
FOSV	Fossato di Vic	0.40	322	Pg	22 45 39.1 -0.3
FOSV				Sb	22 45 45.6 -1.7
FOSV	comp=E,822µm,0.3s			AML	
FOSV	comp=N,1376µm,0.4s			AML	
FOSV	comp=E,820µm,0.3s			AML	
FOSV	comp=N,1269µm,0.4s			AML	
FOSV	comp=N,1269µm,1.6s			AML	
CING	Cingoli	0.41	10	Pg	22 45 39.1 -0.4
CING				Sb	22 45 45.6 -1.8
CING	comp=E,1535µm,1.3s			AML	
CING	comp=N,1350µm,0.6s			AML	
CING	comp=E,1444µm,0.1s			AML	
CING	comp=N,1344µm,0.1s			AML	
MOMA	Monte Martano	0.42	246	Pg	22 45 39.6 -0.2
MOMA				Sb	22 45 47.0 -0.9
MOMA	comp=E,588µm,0.2s			AML	
MOMA	comp=N,459µm,0.4s			AML	
MOMA	comp=E,581µm,0.3s			AML	
MOMA	comp=N,488µm,0.3s			AML	
MOMA	comp=N,459µm,0.4s			AML	
MOMA	comp=E,588µm,0.2s			AML	
OFFI	Offida	0.43	95	Pb	22 45 40.7 -0.7
OFFI				AML	
OFFI	comp=E,583µm,0.3s			AML	
OFFI	comp=N,624µm,0.3s			AML	
OFFI	comp=E,583µm,0.3s			AML	
OFFI	comp=N,624µm,0.3s			AML	
OFFI	comp=E,583µm,1.7s			AML	
ARRO	Arrone	0.47	212	Pg	22 45 40.4 -0.1
ARRO				Sb	22 45 47.6 -1.4
ARRO	comp=E,278µm,0.7s			AML	
ARRO	comp=N,312µm,1.3s			AML	
ARRO	comp=E,257µm,0.2s			AML	
ARRO	comp=N,292µm,0.2s			AML	
RM33	Pellicciuta	0.47	170	Pg	22 45 40.4 -0.3
RM33				Sb	22 45 48.2 -1.1
RM33	comp=N,320µm,0.3s			AML	
RM33	comp=N,300µm,0.3s			AML	
RM33	comp=E,284µm,0.3s			AML	
RM33	comp=E,270µm,0.4s			AML	
RM33	comp=E,260µm,0.3s			AML	
RM33	comp=N,319µm,0.3s			AML	

2018 APR

RM33	comp=E,283µm,0.3s	AML	AML		
RM33	comp=N,277µm,0.3s	AML	AML		
CAMP	Campotosto	0.49	152	P	22 45 40.7 -0.4
CAMP				Pg	
CAMP	comp=N,191µm,0.9s			AML	
CAMP	comp=E,166µm,0.7s			AML	
CAMP	comp=N,140µm,0.5s			AML	
CAMP	comp=E,164µm,0.2s			AML	
TERO	Teramo	0.51	133	P	22 45 41.0 -0.4
TERO				Sb	22 45 49.1 -1.2
TERO				AML	
TERO	comp=E,204µm,0.2s			AML	
TERO	comp=N,312µm,0.3s			AML	
TERO	comp=E,205µm,0.2s			AML	
TERO	comp=N,247µm,0.1s			AML	
TERO	comp=N,137µm,0.1s			AML	
CESX	Cesi	0.53	227	P	22 45 41.3 -0.5
CESX				Pg	22 45 49.3 -1.5
CESX	comp=E,334µm,0.8s			AML	
CESX	comp=N,355µm,0.4s			AML	
CESX	comp=N,355µm,0.4s			AML	
CESX	comp=N,308µm,0.6s			AML	
ARVD	Arcevia	0.54	348	P	22 45 41.4 -0.5
ARVD				Sb	22 45 49.9 -1.2
ARVD	comp=E,587µm,0.1s			AML	
ARVD	comp=N,552µm,0.1s			AML	
ARVD	comp=E,587µm,0.1s			AML	
ARVD	comp=N,553µm,0.1s			AML	
PP3	Marolino	0.55	43	P	22 45 42.7 -0.7
PP3				Pb	
PP3	comp=E,827µm,0.8s			AML	
PP3	comp=N,1025µm,0.3s			AML	
PP3	comp=N,1026µm,0.3s			AML	
PP3	comp=E,788µm,0.8s			AML	
PP3	comp=E,670µm,0.3s			AML	
PP3	comp=N,1024µm,0.3s			AML	
PP3	comp=N,1028µm,0.3s			AML	
PP3	comp=E,670µm,1.7s			AML	
PP3	comp=E,731µm,0.2s			AML	
FRON	Frontone	0.61	333	P	22 45 42.6 -0.7
FRON				AML	
FRON	comp=E,697µm,0.1s			AML	
FRON	comp=N,632µm,0.4s			AML	
FRON	comp=E,697µm,0.1s			AML	
FRON	comp=N,607µm,0.3s			AML	
TRTR	Tortoreto Alta	0.62	105	P	22 45 44.6 -0.1
TRTR				Pb	
TRTR	comp=N,572µm,0.3s			AML	
TRTR	comp=E,592µm,0.8s			AML	
TRTR	comp=N,572µm,0.3s			AML	
GIGS	Gran Sasso	0.63	146	P	22 45 42.9 -0.8
GIGS				Pg	
GIGS	comp=N,62µm,0.3s			AML	
GIGS	comp=E,56µm,0.2s			AML	
GIGS	comp=N,55µm,0.3s			AML	
GIGS	comp=E,56µm,1.8s			AML	
CORI	Cornaldo	0.66	354	P	22 45 44.5 -0.8
CORI				Pb	
CORI	comp=N,576µm,0.5s			AML	
CORI	comp=E,364µm,0.4s			AML	
CORI	comp=N,576µm,0.5s			AML	
CORI	comp=E,363µm,0.4s			AML	
CORI	comp=N,534µm,0.2s			AML	
PIEI	Pieia	0.70	324	P	22 45 44.1 -0.8
PIEI				Pg	
PIEI	comp=E,292µm,0.3s			AML	
PIEI	comp=N,273µm,0.9s			AML	
PIEI	comp=N,260µm,0.1s			AML	
PIEI	comp=E,259µm,0.1s			AML	
FIAM	Fiamignano	0.71	179	P	22 45 44.2 -0.9
FIAM				Pg	
FIAM	comp=E,124µm,0.3s			AML	
FIAM	comp=N,124µm,1.0s			AML	
FIAM	comp=N,110µm,0.5s			AML	
FIAM	comp=E,125µm,0.3s			AML	
MGAB	Montegabbione	0.73	265	P	22 45 45.0 -0.5
NARO	Abbazia di Nar	0.74	329	P	22 45 44.9 -0.9
NARO				Pg	
NARO	comp=E,198µm,1.3s			AML	
NARO	comp=N,144µm,1.2s			AML	
NARO	comp=N,116µm,0.1s			AML	
NARO	comp=E,193µm,0.1s			AML	
VCEL	Villa Celiera	0.80	136	P	22 45 46.3 -0.6
VCEL				Pg	
VCEL	comp=N,219µm,0.8s			AML	
VCEL	comp=E,232µm,1.3s			AML	
VCEL	comp=E,225µm,0.5s			AML	
VCEL	comp=N,214µm,0.4s			AML	
BADI	Badiali	0.82	311	AML	
BADI				AML	
BADI	comp=N,108µm,0.2s			AML	
PE3	Peglio	0.84	329	P	22 45 47.3 -0.5
PE3				Pg	
PE3	comp=E,960µm,0.5s			AML	
PE3	comp=N,1006µm,1.6s			AML	
PE3	comp=E,960µm,0.5s			AML	
PE3	comp=N,992µm,0.6s			AML	
SRES	S.Oreste - Sor	0.86	211	P	22 45 47.3 -0.7
SRES				Pg	
SRES	comp=E,68µm,1.4s			AML	
SRES	comp=N,66µm,0.5s			AML	
SRES	comp=N,66µm,0.5s			AML	
SRES	comp=N,66µm,0.5s			AML	
SRES	comp=N,66µm,0.5s			AML	
CAFI	Castiglione Fio	0.90	294	P	22 45 48.3 -0.6
CAFI				Pg	
CAFI	comp=N,62µm,1.5s			AML	

19d 22h

CAFI	comp=E,77µm,0.4s	AML	AML		
CAFI	comp=N,52µm,0.4s	AML	AML		
CAFI	comp=N,60µm,0.4s	AML	AML		
CAFI	comp=E,86µm,0.4s	AML	AML		
T0110	Collepietro	0.90	146	AML	
T0110	comp=N,219µm,0.4s			AML	
T0110	comp=E,186µm,0.6s				

19d 23h

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, ISC. Lists stations like MF5, MF5, MTR4, etc.

BUI 19 22:52:36.0 0.0, 31°32'N-80°37'E, h33km, mb4.2/18, mb4.5/2, ML3.5/1, Ms3.6/3, M5.7 3/42

NDI 19 22:52:37.0 3.0, 31°54'N-80°73'E, h10km, MW4.0, mb4.0(NEIC)

NEIC 19 22:52:37.9 2.0, 31°26'N-0°05-80°41'E, h30km, 8km, mb4.0/15, Error ellipse: s-maj=10.4km s-min=6.6km az=118.0

IDC 19 22:52:42.6 3.9, 31°34'N-80°50'E, h64km, 36km, mb3.6/15, mbmp3.9/18, ML3.3/6, Error ellipse: s-maj=21.3km s-min=14.2km az=33.0

ISC 19 22:52:39.9 0.5, 31°48'N-0°05-80°57'E, h35km, n79, r199/81, mb4.0/20, 1C, Xizan

Main station list table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, ISC. Includes stations like PTH, LGTI, DDI, SMLA, etc.

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Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, ISC. Lists stations like ZALV, BVAR, BRVK, etc.

UCR 19 23:00:39.8 0.8, 9°06'N-84°07'W, h0km, 2km, MW4.1

UPA 19 23:00:40.3 1.5, 9°07'N-84°08'W, h0km, 7km, MW4.5

CATAC 19 23:00:40.9 0.3, 9°07'N-84°05'W, h3km, 2km, ML3.7

ISC 19 23:00:40.3 1.3, 9°06'N-0°03-84°08'W, h0km, 10km, n90, c085/122, 5C-2Z, Costa Rica

Main station list table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, ISC. Includes stations like SVQZ, LLNJ, OCHAL, etc.

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Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, ISC. Lists stations like CPMI, RIFO, BRU2, etc.

DSN 19 23:02:18.5 1.3, 26°89'N-53°99'E, h10km, ML3.1/10, Error ellipse: s-maj=16.4km s-min=6.2km az=170.0

TEH 19 23:02:20.2 26.79N-53.90E, h20km, 47km, ML3.6

IDC 19 23:02:24.2 3.2, 26°52'N-54°01'E, h76km, 41km, mb3.2/7, mbmp3.6/10, ML3.6/3, Error ellipse: s-maj=29.6km s-min=21.4km az=24.0

OMAN 19 23:02:25.0 1.1, 26°10'N-53°84'E, h6km, 1km, mb5.2/3, mb3.1/22, Error ellipse: s-maj=1.4km s-min=0.5km az=358.0

ISC 19 23:02:20.1 1.3, 26°58'N-0°04-53°76'E, h26km, 11km, n71, c175/88, mb3.6/7, Southern Iran

Main station list table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, ISC. Includes stations like LMD1, LAR1, JRN, etc.

Table with columns: ICAO, Station Name, Azimuth, Elevation, Frequency, Mode, and other technical details for various stations.

IDC 19 23:52:35.7z, 2.0, 6.24S, 143.16E, h0km, mb3.8/3, mbtm3.8/4, ML3.6/1, Error ellipse: s-maj=81.3km s-min=30.0km az=108.0, New Guinea

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other technical details for stations in the IDC region.

IDC 19 23:59:53.0z, 4.0, 22.74S, 174.96W, h0km, mb4.9/23, mbtm4.9/25, ML5.0/2, MS4.2/28, Error ellipse: s-maj=16.8km s-min=12.9km az=100.0

MOS 19 23:59:53.5z, 1.1, 22.75S, 174.83W, h10km, mb5.2/45, Error ellipse: s-maj=10.9km s-min=8.1km az=74.4

BUI 19 23:59:54.1z, 0.0, 22.17S, 174.38W, h11km, mb5.2/33, mB5.5/21, Ms4.9/8, Ms7.4/5.6

NEIC 19 23:59:55.6z, 2.1, 22.65S, 174.58W, 0.07, h10km, 1km, mb5.3/296, Error ellipse: s-maj=11.2km s-min=10.7km az=43.0

BGR 19 23:59:57.8z, 22.70S, 174.08W, h33km

NOU 19 23:59:58.9z, 22.75S, 174.32W, h94km, mb4.9/16, Tonga Islands Region

ISC 19 23:59:54.6z, 0.2, 22.82S, 174.64W, 0.05, h10km, n970, r190/855, mb5.2/202, MS4.3/31, 49C-62D, Tonga Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other technical details for stations in the ISC region.

Main table with columns: ICAO, Station Name, Azimuth, Elevation, Frequency, Mode, and other technical details for various stations.

Table with columns: ICAO, Station Name, Azimuth, Elevation, Frequency, Mode, and other technical details for various stations.

19d 23h

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Table with columns: GSC, comp-Z, and various numerical data points. Rows include MDPB Devils Postpil, HEC Hector/Ludlow, HPMC Manual Prospec, SPIA Saint Paul Isl, etc.

Table with columns: CCUT, IAmb, and various numerical data points. Rows include F04A Amboy, O16K Kokwok River B, O16K Kokwok River B, KNB Kanab, etc.

Table with columns: comp-Z, and various numerical data points. Rows include HAWA Hanford, SVW2 Sparrevoeh, M17K Holitna River, M17K Holitna River, etc.



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Table with columns: ID, Name, Date, Time, Status, Location, etc. Includes entries like E22K Anaktuvuk Pass, F24K Squaw Lake, E21K Killik River, etc.

Table with columns: ID, Name, Date, Time, Status, Location, etc. Includes entries like INK Inuvik, MDND Madcock, ECSD EROS Data, etc.

Table with columns: ID, Name, Date, Time, Status, Location, etc. Includes entries like BSEG Bad Segeberg, SORM Soroca, SORM Ladyower, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, H, m, s, ISC. Includes stations like WLF Walferdange, BZS Buzias, MORH Mogy, Hunzar, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, H, m, s, ISC. Includes stations like HATD Hatta, Dubai, ARQ Araqi, BIDO Bidbid, BSY Bisyda, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, H, m, s, ISC. Includes stations like ACSO Alum Creek Sta, ACSO Alum Creek Sta, ACSO baz=359, SNR=56, etc.

IDC 20 00:00:34.4+1.2, 32.321N+49.39E, h0km, mb3.8/0, mbmp3.7/15, ML3.3/5, Error ellipse: s-maj=26.6km s-min=16.4km az=0.0

IDC 20 00:01:34.0+0.7, 42.029N+83.02W, h0km, mb3.4/4, mbmp3.7/15, ML2.8/4, MS2.6/1, Error ellipse: s-maj=13.6km s-min=8.2km az=116.0

IDC 20 00:01:35.1+0.5, 42.16N+83.04W, h7km, mb4.4/18, Error ellipse: s-maj=3.3km s-min=2.0km az=170.0

TEH 20 00:00:36.1, 32.34N+49.39E, h8km, mb3.7/0, NAO 20 00:00:40.4, 32.01N+48.11E, h3km, mb3.7/0

NEIC 20 00:01:35.4+1.5, 42.12N+02.8302W+0.02, h3km, 2km, mb\_Lg3.6/165, ML3.8/10, Mw3.4/10, mb\_Lg4.1(OTT), Error ellipse: s-maj=2.5km s-min=2.0km az=139.0

ACTO Acton, ACTO Acton, ACTO Acton, ACTO Acton, ACTO Acton, ACTO Acton, ACTO Acton, ACTO Acton

ISC 20 00:00:35.8+0.5, 32.26N+0.04+49.45E+0.03, h10km, n97, e234/118, mb3.7/10, Western IR

NEIC 20 00:01:35.2+1.1, 42.11N+83.04W, h2km, mb2.7/4, 1849/249, mb3.2/4, NAO 20 00:00:40.4, 32.01N+48.11E, h3km, mb3.7/0

ACTO Acton, ACTO Acton, ACTO Acton, ACTO Acton, ACTO Acton, ACTO Acton, ACTO Acton, ACTO Acton

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, H, m, s, ISC. Includes stations like JHBN Jahan bin, AHGW Ahwaz, ANIF Anzang, IPJR Pirpir, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, H, m, s, ISC. Includes stations like AAM Ann Arbor, AAM Ann Arbor, AAM Ann Arbor, AAM Ann Arbor, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, H, m, s, ISC. Includes stations like EFO Effingham, EFO Effingham, EFO Effingham, EFO Effingham, etc.

20d Oh

Table with columns for station name, frequency, and other parameters. Includes stations like Q54A Cocks Mills, L44A Lake County Fo, KLBO Killbear Provi, etc.

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Table with columns for station name, frequency, and other parameters. Includes stations like U54A Nelsons Funy, R58B Mineral, R58N Corbin Frederi, etc.

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Table with columns for station name, frequency, and other parameters. Includes stations like TIGA Triton, AGMN Agassiz Nation, MIAR Mount Ida, etc.

NNC 20 00:10:36.6, 3.8, 88.15N-87.12E, h24km, 35km, mb3.5, mpv3.5, 3C-3D, Error ellipse: s-maj=39.1km s-min=32.2km az=14.0, Southern Xinjiang

NIED 20 00:11:48.6, 40.14N-142.45E, h34km, MW3.7, Moment Tensor Solution, s3 Moment tensor, Scale 10^14Nm, Mw=1.71, Mw0.75, Mw0.246, Mw=1.71, Mw=0.40, Mw=1.6; Fault plane solution: M=4.20000e+10, N1P1=27.00000, S76.00000, lambda.105.00000, NP2p=160.00000, S20.00000, lambda.05.00000

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include Peru-Brazil border region stations like CZSB, ETMB, TBGT, SAML, etc.

UPP 20 00:14:42.5:0.0, 6.7:19N:20:68E, h0km, ML2.4, Confirmed Induced event
HEL 20 00:14:42.5:0.2, 6.7:19N:20:62E, h0km, ML2.0, Suspected explosion

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include stations like DUNU, MASU, MASU, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include stations like PAJU, LANU, LANU, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include stations like RANF, ARAO, ARAO, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include stations like UMAU, UMAU, UMAU, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include stations like NOA, NOA, NOA, etc.

IDC 20 00:22:36.9:1.0, 5:85S:142:82E, h0km, mb3.8/7, s-maj=30.4km s-min=20.0km az=85.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include stations like PMG, PMG, WRA, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include stations like ASAR, ASAR, ASAR, etc.

IDC 20 00:35:29.2:1.3, 6:50S:143:21E, h0km, mb3.9/6, s-maj=21.4km s-min=12.0km az=102.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include stations like WRA, WRA, ASAR, etc.

IDC 20 00:35:34.7:1.3, 6:65S:143:0E, h35km, n8, s101/8, mb3.9/7, New Guinea

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include stations like WRA, WRA, ASAR, etc.

DJA 20 00:56:12.0:0.2, 7:3S:3:129E, h196km, 7km, M4.3/14, mB4.7/7, mB4.2/14, MLV4.5/12, Mw(MB)4.0/7

NEIC 20 00:56:12.2:2.9, 6:96S:0:05:129:22E, 0.09, h174km, 15km, mB4.1/7, Error ellipse: s-maj=13.2km s-min=7.4km az=80.0

IDC 20 00:56:14.8:3.6, 7:14S:129:15E, h200km, 29km, mb3.3/5, mBmp4.1/7, Error ellipse: s-maj=52.6km s-min=15.3km az=63.0

IDC 20 00:56:10.5:0.6, 6:99S:0:06:129:19E, 0:05, h156km, n52, s204/58, mb3.8/6, Banda Sea

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include stations like SAUI, SAUI, SAUI, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include stations like WRA, WRA, WRA, etc.

IDC 20 00:22:42.0:0.8, 5:97S:142:8E, 0:08, h142.8E:0:1, h35km, n13, s105/13, mb3.8/7, MSZ.7/4, New Guinea

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include stations like ASAR, ASAR, ASAR, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include stations like BBOO, BBOO, STKA, etc.

UCR 20 01:03:33.0:1.6, 9:37N:82:62W, h13km, 13km, MW3.5

UPA 20 01:03:33.0:1.7, 9:23N:82:62W, h0km, 3km, ML3.6, MW3.2

CATAC 20 01:03:34.0:0.5, 9:31N:82:74W, h33km, ML3.4

ISC 20 01:03:32.0:0.9, 9:35N:0:03:82:62W, 0:03, h24km, 8km, n65, s07/79, 104, 8C-7D, Panama-Costa Rica border

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include stations like CN12, BC3P, BRU2, etc.

IDC 20 01:03:33.0:1.6, 9:37N:82:62W, h13km, 13km, MW3.5

IDC 20 01:03:33.0:1.7, 9:23N:82:62W, h0km, 3km, ML3.6, MW3.2

IDC 20 01:03:34.0:0.5, 9:31N:82:74W, h33km, ML3.4

ISC 20 01:03:32.0:0.9, 9:35N:0:03:82:62W, 0:03, h24km, 8km, n65, s07/79, 104, 8C-7D, Panama-Costa Rica border

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include stations like BRU2, BRU2, BRU2, etc.

IDC 20 01:03:33.0:1.6, 9:37N:82:62W, h13km, 13km, MW3.5

IDC 20 01:03:33.0:1.7, 9:23N:82:62W, h0km, 3km, ML3.6, MW3.2

IDC 20 01:03:34.0:0.5, 9:31N:82:74W, h33km, ML3.4

ISC 20 01:03:32.0:0.9, 9:35N:0:03:82:62W, 0:03, h24km, 8km, n65, s07/79, 104, 8C-7D, Panama-Costa Rica border

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include stations like BRU2, BRU2, BRU2, etc.

20d 2h

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, WRA 0.1nm,0.3s, ASAR Alice Springs, ASAR 0.6nm,0.6s, ASAR 0.6nm,0.8s, STKA Stephens Creek, MKAR Makanchi Array, KURBB Kurchatov Arra, BVAR Borovoye Array, QSPA South Pole Qui, ILAR Eiselson Array.

BGSI 20 01:27:31.2, 2.0, 2.7, 15.5, 27.1, 11E, h0km, 9km, ML3.9
PRE 20 01:27:32.2, 2.8, 2.6, 9.3, 26.7, 7E, h2km, 5km, ML3.5
IDC 20 01:27:32.1, 1.0, 2.6, 9.0, 26.7, 7E, h0km, mb3.9, 5
m4.5/3, Error ellipse: s-maj=23.0km
s-min=11.4km az=98.0

NEIC 20 01:27:33.0, 1.2, 2.6, 9.0, 26.7, 7E, h0km, 9km, ML3.9
m4.5/3, Error ellipse: s-maj=10.2km s-min=6.5km
az=20.0

EAF 20 01:27:34.1, 0.7, 2.6, 8.7, 26.8, 1E, h10km, MD3.7
BUL 20 01:27:34.1, 0.7, 2.6, 8.6, 26.8, 1E, h10km, MD4.0
ISC 20 01:27:33.6, 1.2, 2.6, 9.0, 26.7, 7E, h0km, 9km,
n8, r189/155, mb4.27, 3C-20D, South Africa

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PRYS Parys, KSR Koster, HRAO Haritrao, SWZ Schweizer, SNKL Senekal, NYAT Nyati, TSWA Tswaing Meteor, MAKGR Makgri, LBAT Lobatse, BOSA Boshof, NWCL Newcastle, CRLN Carolina, MTLB Matlabas, WTBG Waterberg, SKOMA Sekoma, LPHEP Lephale, HVD Gariep Dam, PILG Pilgrimsrest, PMBG Pietermaritzburg, KSTD Kokstad, MREMI Moremi.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MREMI Moremi, POGA Pongola, HOED Hoedspruit, MPHEP Siloam, TEMBE Tembe Elephant, UPI Upington, MOPA Mopani, MUSA Musina, MUSN Musina, KEIM Keimoes, BFON Badfontein, GRAF Camelebo Natio, BROLN Broln, SOE Somerset East, BRAK Brakfontein, AUGR Augrabies, ROOI Rooi, SOOWA Sowa, GRHM Grahamstown, MATP Matopo, MATP Matopo, MATP Matopo, MATP Matopo, FRAZ Frasersburg, PHOHD Phuduhudu, NMMU Nelson Mandela, MERW Merweriville, BUFBU Buffelsbos, SUR Sutherland, SUR Sutherland, SUR Sutherland, CVNA Calvinia, MATJ Matjiesfontein, CHIPN Chipinge, CHIPN Chipinge, CHIPN Chipinge, CHIPN Chipinge, KOMG Komaggas, CER Ceres, WIN Windhoek, KRI Karoi, TSUM Tsumeb, LSZ Lusaka, LSZ Lusaka, TOAO Torodi Arr, TOAO Torodi Arr, TORO Torodi Arr, TORO Torodi Arr.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SNAA Sanae, MMAI Mount Meron Arr, QSPA South Pole Qui, QSPA South Pole Qui, BRTR Keskin Array, ESDC Sorsogon Array, NVAR Mina Array Bea.

IDC 20 01:31:21.8, 7.8, 19.6, 8N, 121.1, 98E, h127km, 78km, mb3.3/8,
m4.5/3, Error ellipse: s-maj=28.8km
s-min=15.5km az=72.0
ISC 20 01:31:19.0, 1.0, 19.7, 8N, 122.0, 2, h100km, n17,
a0567/9, mb3.6/8, Philippine Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like DAV Davao City (W), KRSR Korea Array, CMAR Chiang Mai Arr, GUMO Guam, WRA Warramunga Arr, H11S3 Wake Island Hy, MKAR Makanchi Array, H11S1 Wake Island Hy, H11N1 Wake Island Hy, H11N2 Wake Island Hy, H11S2 Wake Island Hy, H11N3 Wake Island Hy, PETK Petropavlovsk, ZALV Zalesovo Beam, ASAR Alice Springs, KURBB Kurchatov Arr, YKA Yellowknife Arr.

IDC 20 02:07:17.6, 1.5, 4.7, 7.5, 150.7, 6E, h0km, mb3.9/2,
m4.5/3, Error ellipse: s-maj=69.1km
s-min=13.5km az=153.0
NEIC 20 02:07:18.9, 1.5, 4.7, 6.5, 150.8, 1E, h10km, 1km,
m4.6/28, Error ellipse: s-maj=14.0km s-min=10.3km
az=189.0

ISC 20 02:07:18.2, 0.6, 4.8, 8, 150.8, 0, 0, h10km, n37,
a0567/9, mb4.6/16, New Britain region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KRVT Keravat, KRVT Keravat, RABL Rabaul, WB0 Warramunga Arr, WB2 Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, FITZ Fitzroy Crossi, MRZ Mangatainoka R, MRZ Mangatainoka R, GVZ Greta Valley S, INCN Incheon, PEAOB Petropavlovsk, HIA Hailar, HIA Hailar, CLES Cleveland East, CASY Casey, O16K Kokwok River B, O16K Kokwok River B, M16K Timber Creek, M16K Timber Creek, MAKZ Takangy, TARG Tarangy, IMAR Indian Mountain, MCK McKinley, MCK McKinley, GRNC Granite Creek, J25K Salcha River, ARSB Arslanbob, ARSB Arslanbob, J26L Joseph Creek, J26L Joseph Creek, D24K Happy Valley, D24K Happy Valley, M29M Somme Creek, M29M Somme Creek, ROCAM Rodrigues Isla, E27K Coleen River, M31M Druy Creek, Y M31M Druy Creek, DLBC Dease Lake, DLBC Dease Lake, YLBR Yerington, YLBR Yerington, ABKAR Abkuhal array, TORO Torodi Arr, TORO Torodi Arr.

SOME 20 02:11:36.9, 41.32N, 82.02E, h10km
NWC 20 02:11:39.3, 0.9, 41.49N, 82.05E, h0km, mb3.8, mpv3.5,
Error ellipse: s-maj=6.4km s-min=4.6km az=165.0

ISC 20 02:11:42.3, 2.2, 41.50N, 0.09, 81.89E, 0.07, h18km, n44,
c1888/70, 11C-5D, Southern Xinjiang

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Contains station data for various locations like Katmen, Uzunbulak, Kuram, etc.

Table with columns: DGS, DGS, TKM2, TKM2, KRBS, KRBS, MK31, MK31, MAKZ, MAKZ, MAKZ, MAKZ. Contains station data for Degeres, Tokmak 2, Karabastau, Makanchi, etc.

IDC 20 02:18:22.4, 3.3, 6.39S, 143.32E, h0km, mb3.7/3,
mbtmp3.8/5, ML3.7/2, Error ellipse: s-maj=110.1km

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Contains station data for Warramunga Arr, Alice Springs, ASAR, ASAR, KRSR, KRSR, MKAR, MKAR, BVAR, BVAR.

CATAC 20 02:24:55.9, 0.5, 13.29N, 90.25W, h22km, 4km, ML3.6
CGC 20 02:24:58.4, 0.6, 13.39N, 90.49W, h18km, 1.1km, MD3.4

ISC 20 02:24:55.3, 1.6, 13.31N, 0.07, 90.29W, 0.04, h21km, 4km,
n41, c053/68, Near coast of Guatemala

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Contains station data for NUBE, CEVE, SBL, LOAL, SLOZ, SNJE, JAYA, JAYA, JAYA, JAYA, LALI, LALI, LALI, UNIC, UNIC, UNIC, CEDA, CEDA, CEDA, PMON, PMON, PMON, SNET, SNET, SNET, SNET, QUEZ, QUEZ, QUEZ, PANCS, PANCS, PANCS, PCG, LOMA, LOMA, LOMA, LOMA, FUG, FUG, FUG, NBG, GUNB, GUNB, GUNB, GUNB, PAVA, PAVA, PAVA, COEG, COEG, COEG, COEG, MTO3, MTO3, MTO3, MTO3, MTO3, MTO3, TECO, TECO, TECO, ESQI, ESQI, ESQI, LLGN, LLGN, LLGN, SCLA, SCLA, SCLA.

Table with columns: SCLA, ALJI, STG3, STG3, PACA, PACA, LCND, LCND, LCND, LCND, CNCH, CNCH, CNCH, CNCH, CNCH, CNCH, COPN, COPN. Contains station data for Alcalde de J, Santiago 3, Pacayal, La Caada, Conchagua, Conchagua, Copaltepe, etc.

ISK 20 02:40:13.9, 39.66N, 27.93E, h7km, ML2.6/1.6
AFAD 20 02:40:14.3, 0.0, 39.67N, 27.91E, h10km, ML1.1
ISC 20 02:40:14.5, 0.9, 39.67N, 0.03, 27.93E, 0.02, h11km, 6km,
n27, c033/38, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Contains station data for BKES, BKES, BKES, BKES, BLKS, BLKS, BLKS, BLKS, BLYA, BLYA, BLYA, BLYA, STEP, STEP, STEP, STEP, GONE, GONE, GONE, DURS, DURS, DURS, DURS, DST, DST, DST, YENI, YENI, YENI, BUHA, BUHA, BUHA, BUHA, KNL, KNL, KNL, KNL, EDNIC, EDNIC, KCTC, KCTC, BAND, BAND, BAND, BAND, BAND, BAND, CANN, CANN, AKHS, AKHS, AKHS, AKHS, ORLT, ORLT, KRBG, KRBG, MRMT, MRMT, MRMT, DIKI, DIKI, DIKI, MDNY, MDNY, LPK, LPK, ARMT, ARMT, ARMT, RMY, RMY, COMU, COMU, EZN, EZN, GELI, GELI, ERIK, ERIK.

IDC 20 02:42:35.0, 1.1, 12.57N, 48.25E, h0km, mb3.8/1.9,
mbtmp3.8/1.9, ML2.5/1, MS3.7/30, Error ellipse:
s-maj=23.9km s-min=17.7km az=6.0
NEIC 20 02:42:36.5, 1.6, 12.6N, 0.1, 48.27E, 0.10, h10km, 1km,
mb4.5/25, Error ellipse: s-maj=19.9km s-min=16.0km
az=164.0

ISC 20 02:42:36.0, 0.7, 12.5N, 0.1, 48.26E, 0.07, h10km, n68,
c076/48, mb4.0/29, MS3.7/29, Eastern Gulf of Aden

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Contains station data for ATD, ATD, ATD, ATD, JOSS, JOSS, WSAR, WSAR, WSAR, WSAR, LODK, LODK, EIL, EIL, MBAR, MBAR, ASF, ASF, MMAI, MMAI, HRA, HRA, HRA, GEYT, GEYT, GEYT, GNI, GNI, ELL, ELL, BRTR, BRTR, BRTR, BRTR, KBZ, KBZ, KVAR, KVAR, PALK, PALK, GAR, GAR, GAR, GAR, LSZ, LSZ, AGG, AGG, AGG.

20d 3h

Table with columns: LIT, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Litokhoron, Ala-Archa, Akbulak array, Kurchatov Arra, etc.

ICD 20:02:44:59.6:1.2, 12.60N:48:25E, h0km, mb3.7/10, m1bpm3.7/10, ML2.2/1, Error ellipse: s-maj=32.9km s-min=23.3km az=70.

ISC 20:02:45:01.3:1.0, 12.61N:02:48:2E:0.1, h12km, n11, s=082/11, mb3.7/10, Eastern Gulf of Aden

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Arta Tunnel, Borovoye Array, Makanchi Array, etc.

NEIC 20:02:54:47.2:1.2, 38.02N:0:02:97.99W:0.02, h5km, 1km, mb\_Lg2.5/38, ML2.7/6, Error ellipse: s-maj=3.1km s-min=3.0km az=229.0, Kansas

2018 APR

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Long Quarter, Harper NE Stat, Milan North St, etc.

CGMT 20:02:56:35.0:0.3, 20.79S:0:03:114:03W:0.02, h21km, 1km, MW4.8/73, Moment Tensor Solution, s12,c12, s73,c91; Duration: 0, Moment tensor: Scale: 1015Nm, Mw=1.75; Mw=0.40:11; Mw=0.40:11; Mw=0.95:21; Mw=1.70:07; Mw=0.81:21; Best double couple: M2:32300:1016 NP1:35.774.00000, 668.00000, -1-150.00000, NP2: 0:72.00000, 662.00000, -1-25.00000. Principal axes: T 2.2320, Plg4.0000, Azm302.0000; N 0.1780, Plg53.0000, Azm207.0000; P -2.4140, Plg36.0000, Azm34.0000; nsta2 refers to surface waves, cutoff=50s. Surface-wave location Triangular moment-rate function

ICD 20:02:56:27.4:5.5, 20.93S:0:12:58W, h0km, mb3.4/3, m1bpm3.4/3, MS3.8/20, Error ellipse: s-maj=320.6km s-min=50.1km az=107.0, Southern East Pacific Rise

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Nuku Hiva Isla, Juan Fernandez, Tubuai, etc.

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Table with columns: PDAR, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Pinedale Array, Montagnes des, Rata Peaks, etc.

JMA 20:03:18:48.6:1.2, 45.1N:4:15:0E:1, h30km, MV4.6/15, KURILE ISLANDS REGION; MOS 20:03:18:49.5:1.0, 45:24N:150:14E, h68km, mb4.2/7, Error ellipse: s-maj=9.8km s-min=8.0km az=65.3; SKHL 20:03:18:49.9:0.2, 45:10N:150:30E, h71km, 3km, mb4.9/5, IDC 20:03:18:53:4.2, 45:34N:150:12E, h85km, 21km, mb3.4/18, mb1mp3.7/23, MS2.9/5, Error ellipse: s-maj=20.2km s-min=12.8km az=151.0

ISC 20:03:18:48.9:0.6, 45:12N:0:07:150:28E:0:06, h50km, n76, s=197/71, mb3.7/19, Kuril Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Kuril'sk, Shikotan, Kuril'sk, etc.



20d 4h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Variance, Elevation Variance, Azimuth Covariance, Elevation Covariance, Azimuth Correlation, Elevation Correlation, Azimuth Bias Rate, Elevation Bias Rate, Azimuth Bias Variance, Elevation Bias Variance, Azimuth Bias Covariance, Elevation Bias Covariance, Azimuth Bias Correlation, Elevation Bias Correlation, Azimuth Bias Rate Variance, Elevation Bias Rate Variance, Azimuth Bias Rate Covariance, Elevation Bias Rate Covariance, Azimuth Bias Rate Correlation, Elevation Bias Rate Correlation.

IDC 20 04:15:10.1±3.9, 3.97S-153.38E, h0km, mb3.6/3, mbmtmp3.6/3, MS2.8/1, Error ellipse: s-maj=144.1km s-min=37.7km az=110.0, New Ireland region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Variance, Elevation Variance, Azimuth Covariance, Elevation Covariance, Azimuth Correlation, Elevation Correlation, Azimuth Bias Rate, Elevation Bias Rate, Azimuth Bias Variance, Elevation Bias Variance, Azimuth Bias Covariance, Elevation Bias Covariance, Azimuth Bias Correlation, Elevation Bias Correlation, Azimuth Bias Rate Variance, Elevation Bias Rate Variance, Azimuth Bias Rate Covariance, Elevation Bias Rate Covariance, Azimuth Bias Rate Correlation, Elevation Bias Rate Correlation.

BUI 20 04:15:57.6±0.0, 17.99N-95.86E, h10km, mb4.6/68, mB4.8/40, ML4.8/3, Ms4.6/62, M5.7 4.2/60

IDC 20 04:15:59.9±0.5, 18.30N-96.07E, h0km, mb4.5/36, mbtmp4.5/38, ML4.0/2, MS3.8/39, Error ellipse: s-maj=13.3km s-min=9.6km az=14.0

NDI 20 04:16:01.5±0.4, 18.07N-96.18E, h10km, mb4.9, MW4.6, mb4.9(NEIC)

NEIC 20 04:16:01.9±1.8, 18.37N-0.06-96.16E±0.1km, mb4.9/151, Error ellipse: s-maj=10.4km s-min=9.7km az=22.0

DJA 20 04:16:02.8±0.3, 18.1N-96.1E±, h10km, MS.3/11, mB5.6/4, mb4.8/11, ML5.5/4, MW(mB)5.1/4

MOS 20 04:16:02.5±1.0, 18.35N-96.08E, h28km, mb5.0/31, Error ellipse: s-maj=8.9km s-min=5.7km az=114.7

ISC 20 04:16:02.8±0.5, 18.29N-0.04-96.08E±0.04, h18km±2km, h18km: p-P, n383, ±1964/368, mb4.8/178, MS3.9/52, 39C-9D, Myanmar

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Variance, Elevation Variance, Azimuth Covariance, Elevation Covariance, Azimuth Correlation, Elevation Correlation, Azimuth Bias Rate, Elevation Bias Rate, Azimuth Bias Variance, Elevation Bias Variance, Azimuth Bias Covariance, Elevation Bias Covariance, Azimuth Bias Correlation, Elevation Bias Correlation, Azimuth Bias Rate Variance, Elevation Bias Rate Variance, Azimuth Bias Rate Covariance, Elevation Bias Rate Covariance, Azimuth Bias Rate Correlation, Elevation Bias Rate Correlation.

2018 APR

Main table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Variance, Elevation Variance, Azimuth Covariance, Elevation Covariance, Azimuth Correlation, Elevation Correlation, Azimuth Bias Rate, Elevation Bias Rate, Azimuth Bias Variance, Elevation Bias Variance, Azimuth Bias Covariance, Elevation Bias Covariance, Azimuth Bias Correlation, Elevation Bias Correlation, Azimuth Bias Rate Variance, Elevation Bias Rate Variance, Azimuth Bias Rate Covariance, Elevation Bias Rate Covariance, Azimuth Bias Rate Correlation, Elevation Bias Rate Correlation.

1254

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Variance, Elevation Variance, Azimuth Covariance, Elevation Covariance, Azimuth Correlation, Elevation Correlation, Azimuth Bias Rate, Elevation Bias Rate, Azimuth Bias Variance, Elevation Bias Variance, Azimuth Bias Covariance, Elevation Bias Covariance, Azimuth Bias Correlation, Elevation Bias Correlation, Azimuth Bias Rate Variance, Elevation Bias Rate Variance, Azimuth Bias Rate Covariance, Elevation Bias Rate Covariance, Azimuth Bias Rate Correlation, Elevation Bias Rate Correlation.



Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like KRSR, HRA, JNU, etc.

Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like YAK, KARS, BELG, etc.

Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like AK02, Malin Array Si, KIEV, etc.



Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H11S2 WAKE ISLAND Hy 86.41 291 T, H11S1 WAKE ISLAND Hy 86.42 291 T, etc.

KRNET 20 05:03:58.9, 0.1, 40.97N:78.78E, h24km, mb2.6
SOME 20 05:03:58.5, 40.85N:78.40E, h5km
NINC 20 05:03:59.7, 0.7, 40.88N:78.46E, h0km, mb3.5, mpv3.1, Error ellipse: s-maj=4.4km s-min=3.2km az=169.0

Main table for 1257 containing station data for TARG, KDJ, PRZ, NRN, ANVS, ULHL, SATY, SHLS, TNS, BOOM, MDO, KOTS, IZV, PDGK, KURS, KST, TKM, TKM2, DGS, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KTBS Karatobe 3.1nm,0.5s, CHKK Chushkaly 3.0nm,0.2s, CHKK Chushkaly 3.0nm,0.2s, etc.

NEIC 20 05:12:34.0, 2.2, 36.16N:0.01x120.11W, h10km, 1km, Error ellipse: s-maj=3.0km s-min=2.2km az=204.0
NCEDC 20 05:12:34.0, 1.7, 36.12N:0.01x120.18W, h10km, 5km, MD3.0/53, ML2.9/38(NEIC), Error ellipse: s-maj=2.1km s-min=1.6km az=217.0, Central California

Main table for 2018 APR containing station data for PKEM, CTM, PDRM, PSRM, PHFM, PWMM, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BHPR Bishop 1.80 48, MDYM Dry Creek 1.80 31, MLCM Laurel Creek C 1.80 34, etc.

NEIC 20 05:19:39.6, 1.4, 18.97N:0.03x155.39W, h10km, 2km, Error ellipse: s-maj=5.7km s-min=3.0km az=339.0
HVO 20 05:19:39.8, 1.5, 18.94N:0.03x155.36W, h12km, 5km, ML2.9/32, ML3.0/44(NEIC), Error ellipse: s-maj=4.8km s-min=2.0km az=152.0, Hawaiian Islands

Main table for 20d 5h containing station data for HPO, HTC, HLP, HPH, KHU, KHU, KHU, etc.

20d 5h

φ=184.92000°, δ=49.41000°, λ=68.16000°, NP2φ=36.55000°, δ=45.18000°, λ=113.47000°. Principal axes: T: P1g73.4360°, Azm27.5950°; N: P1g16.4100°, Azm199.5330°; P: P1g2.1980°, Azm290.1810°; IDC 20 05:25:07.0±3.5, 24.47N±122.49E, h75km±31km, mb3.7/19, mbtmp4.1/20, MS3.3/1 Error ellipse: s-maj=22.7km s-min=11.8km az=63.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists various stations like E0S3, E0S2, JYNG, ESOA, etc.

2018 APR

Main table with columns: Station Name, Time, Res, ISC. Lists stations like LXIB, TNOU, YHNB, NHHH, NSK, etc.

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Table with columns: Station Name, Time, Res, ISC. Lists stations like WPL, HSN, DPDB, NHW, WCS, etc.

Table with columns: STYT, TPUB, CHN4, CHN4, TWGBT, TWGBT, TWGBT, TWG, TTN, TTN, WTP, WTP, WTC, WTC, CHY, CHY, TWK, TWK, CHN1, CHN1, SNST, SNST, SGST, SGST, SLGT, SLGT, WSF, WSF, JTY, JTY, WSL, WSL, WSL, WSL, ICHU, ICHU, ECL, ECL, ECL, ECL, CHN8, CHN8, CHN3, CHN3, SCST, SCST, SSD, SSD, SSHA, SSHA, SHHT, SHHT, TSMG, TSMG, SCLT, SCLT, SCLT, SCLT, TWM1, TWM1, MASBT, MASBT, SGLT, SGLT, TAW, TAW, EAST, EAST, EAST, EAST, TSCK, TSCK, LAY, LAY, TAWH, TAWH, LYUB, LYUB, LYUB, LYUB, JIRB, JIRB, SCZT, SCZT, WSSB, WSSB, WSSB, WSSB, JIKM, JIKM, JIMJ, JIMJ, JIMJ, JIMJ, PNG, PNG, PHUB, PHUB

Table with columns: PHUB, WDG, WDG, WTP, WTP, WYUC, WYUC, JOGS, JOGS, HEN, HEN, HEN, HEN, TWKB, TWKB, TWK1, TWK1, MATB, MATB, MSUT, MSUT, VCHM, VCHM, VCHM, VCHM, PTMZ, PTMZ, LYJJ, LYJJ, LYJJ, LYJJ, XPSS, XPSS, MHZO, MHZO, MHZO, MHZO, QZH, QZH, QZH, QZH, KNM, KNM, KNM, KNM, KNMB, KNMB, ZPLA, ZPLA, ZPLA, ZPLA, JKE, JKE, DSXP, DSXP, SXFK, SXFK, SXFK, SXFK, JOW, JOW, KSR, KSR, MAJO, MAJO, USAO, USAO, GTA, GTA, KLR, KLR, ULN, ULN, ULN, ULN, SOMN, SOMN, SOMN, SOMN, MK31, MK31, MKAR, MKAR, MKAR, MKAR, PETK, PETK, MAKZ, MAKZ, KRVT, KRVT, ZAAO, ZAAO, ZALV, ZALV, ZALV, ZALV, BOOM, BOOM, KURK, KURK, KURK, KURK, KURB, KURB, WRA, WRA, WRA, WRA, WRA, WRA, BVAR, BVAR, BVAR, BVAR, BVAR, BVAR, AS31, AS31, ASAR, ASAR

Table with columns: ASAR, NRIK, NRIK, AMKA, AMKA, ABKAR, ABKAR, N15K, N15K, D19K, D19K, E19K, H19K, H19K, L18K, L18K, B21K, B21K, D22K, D22K, M20K, M20K, C23K, C23K, KDKA, KDKA, TRF, TRF, RND, RND, ILAR, ILAR, BMAR, BMAR, SCM, SCM, SPITS, SPITS, ARCES, ARCES, E28M, E28M, F20M, F20M, N26SK, N26SK, BCAR, BCAR, G29M, G29M, FINES, FINES, BRTR, BRTR, HFS, HFS, NOA, NOA, YKA, YKA, EKA, EKA

NSSP 20 05:41:53.0, 38.73N-43.60E, h5km, Ms3.7
ISK 20 05:41:53.6, 38.86N-43.58E, h5km, ML3.6/18
AFAD 20 05:41:55.3, 0.0, 38.84N-43.48E, h7km-4km, MW3.7
ISC 20 05:41:55.6, 1.1, 38.86N-0.02-43.52E, 0.02, h3km-10km,
n42, r159/63, 2D, Turkey

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



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KUA, MOR8, HAMF, KTK1, LANU, MASU, ARAO, PAJU, NNS, VADS, SPAO, AKN, DMB, APAO, NB2, SUE, NRAO, SKAR, HFS, FIAO, FINES, JOF, OMEGA, ZFI2, EKA, AKASO, FUNV.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRA, ASAR, GSPA, TXAR, IDC, H04N2, H04N1, H04N3, H01W2, H01W3, H01W1, H08S2, H08S1, H08S3, NWA0, MAW, LEM, PALK, BOS, LBTS, SUR, ASAR, WRA, STKA, VNSA, GSPA, CMAR, PMG, MKAR, KURBB, SONM, DBIC, YKA, DJA, BNDI, FAKI, SANI, SWI, DRS, SOEI, MTN, KDU, BATI, EDFI, ZUR, SCHK, SVAM, DAVOX, VDL, VUE, TUE, PANIX, LLS, FUORN, FETA, FETA.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like STR, PZZ, STV, ISO, SURF, SURF, ENR, JAU, CREF, TURF, A194A, BHB, IDC, JMA, ISC, JHH, JCH, CBJJ, JAG, MJAR, JUNU, KSRS, KRSR, KLR, SONM, ZALV, MKAR, MKAR, WRA, ILAR, ASAR, BVAR, ARU, KIRV, YKA, FINES, KBZ, NVAR, AKASO, HFS, NOA, PDAR, FRB, BRTR, TXAR, IDC, RAO, TKGZ, URZ, RIGZ, PRGZ, WHZ, ARHZ, BKZ, MICZ, CKHZ, BHHZ, Rata Peaks.





Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like EYAK Cordova Ski Ar, J18K Innoko River, SCM Sheep Creek Mo, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like M29M Somme Creek, G24K Hadweznick Riv, EGAK Gaggle, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like ASAR Alice Springs, ASAR 0.8nm,0.5s, WRA Warramunga Arr, etc.



Table with columns for station name, frequency, power, and other technical details. Includes stations like EPOB, PAND, EVIV, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like TCF, EGOR, EGRO, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like BGES, FOEL, WLF, etc.

20d 9h

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, ISC. Includes stations like K17K, K15K, etc.

IDC 20 08:50:32.0.5.4, 16.32Sx174.89W, h262km, 50km, mb3.7/16, mbtmp4.3/17, Error ellipse: s-maj=18.6km s-min=15.5km az=111.0

NEIC 20 08:50:33.3.1.4, 16.3S:0.1x174.85W:0.10, h275km, 7km, mb4.4/60, Error ellipse: s-maj=15.9km s-min=12.6km az=145.0

ISC 20 08:50:31.6.0.4, 16.20S:0.08x175.00W:0.09, h250km, n146, o1976/127, mb4.3/49, 1C, Tonga Islands

Main table for 20d 9h section, listing station names, codes, and seismic data for various stations like AF1, NIUE, DZM, etc.

2018 APR

Main table for 2018 APR section, listing station names, codes, and seismic data for stations like X16A, U15A, SEY, etc.

SOME 20 08:54:22.9.43, 53N:82.20E, h15km, NNC 20 08:54:22.6.1.5, 43.58N:82.26E, h05km, mb3.7, mpv3.3, 1C-2D, Error ellipse: s-maj=12.7km s-min=9.7km az=164.0, Northern Xinjiang

Table for Northern Xinjiang section, listing station names, codes, and seismic data for stations like DJR, DVA, MYKA, etc.

1266

Table for 1266 section, listing station names, codes, and seismic data for stations like UZB, SATY, etc.

ISK 20 09:06:14.8, 36.99N:36.67E, h5km, ML2.2/8, Jordan-Syria region

Table for Jordan-Syria region section, listing station names, codes, and seismic data for stations like GAZ, TAHT, SAR1, etc.

AFAD 20 09:06:41.9.0.0, 37.14N:38.96E, h7km, akm, ML1.9, ISC 20 09:06:40.8.2.7, 37.1N:0.1x39.0E:0.2, h9km, n9, o0867/12, Turkey

Main table for Turkey section, listing station names, codes, and seismic data for stations like ATAB, AZEY, GZT, etc.

IDC 20 09:07:29.6.4.8, 24.55S:178.78E, h583km, 49km, mb3.4/8, mbtmp4.4/9, Error ellipse: s-maj=40.1km s-min=17.7km az=64.0

ISC 20 09:07:30.1.0.9, 24.5S:0.2x178.8E:0.2, h600km, n21, o1509/21, mb4.1/10, 4C, South of Fiji Islands

Main table for South of Fiji Islands section, listing station names, codes, and seismic data for stations like DZM, STKA, PMG, etc.

WEL 20 09:10:34.1.1.1, 36.5S:179.9E, h12km, M3.6/13, ML3.9/17, MLV3.6/13, Error ellipse: s-maj=0.0km s-min=0.0km az=85.5, confirmed, Off east coast of North Island

Table for North Island section, listing station names, codes, and seismic data for stations like MXZ, WMGZ, HAZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MUGZ, PRGZ, SNGZ, etc.

TRN 20 09:11:47.8, 10.78N:62.30W, h88km, MD3.0, North of the Paria peninsula.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TRN, CRUV, GRFF, etc.

IDC 20 09:29:59.8, 1.3, 65.70N:38.20W, h0km, mb3.4/6, mbtmp3.4/7, ML3.5/1, MS3.0/2, Error ellipse: s-maj=42.2km

DNK 20 09:29:59.7, 1.6, 65.87N:37.34W, h11km, km, ML2.7

ISC 20 09:29:59.7, 0.3, 65.88N:0.07, h10km, n21, r120/23, mb3.4/6, Eastern Kalaallit Nunaat

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ANGG, ISOG, ICESG, etc.

YKA Yellowknife Ar 31.77 301 P 09 36 23.3 -0.2

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

NEIC 20 09:31:07.5, 0.9, 24.3S:0.3, 179.7E:0.2, h56km, 26km, mb4.1/18, Error ellipse: s-maj=43.1km s-min=24.1km

az=192.0
IDC 20 09:31:12.2, 20.0, 24.45S:179.52E, h639km, 26km, mb3.2/6, mbtmp4.2/6, Error ellipse: s-maj=95.6km

s-min=29.0km az=81.0
ISC 20 09:31:05.6, 0.8, 24.3S:0.2, 179.6E:0.1, h550km, n27, r092/27, mb4.0/15, South of Fiji 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.

WRO Warramunga Arr 41.85 267 P I Amb 09 38 08.1 0.0

WB2 Warramunga Arr 42.03 267 P I Amb 09 38 09.9 +0.4

WRAB Tennant Creek 42.03 267 P I Amb 09 38 09.9 +0.3

WB0 Warramunga Arr 42.04 267 P I Amb 09 38 09.8 +0.3

WRA Warramunga Arr 42.04 267 P I Amb 09 38 09.7 +0.1

FORT Kunurra 45.86 250 P I Amb 09 38 38.2 -0.7

FITZ Filizroy Crossi 50.46 266 P I Amb 09 39 13.7 +0.3

QSPA South Pole Qui 65.80 180 P I Amb 09 40 55.3 -1.1

QSPA South Pole Qui 65.80 180 P I Amb 09 40 55.1 -1.3

TXAR Lajitas Array 90.92 58 P I Amb 09 43 11.1 -0.2

PDAR Pinedale Array 93.20 44 P I Amb 09 43 20.8 -0.8

IDC 20 09:38:14.8, 8.2, 9, 54.22N:87.08E, h0km, mbtmp2.9/2, ML2.1/2, Error ellipse: s-maj=25.7km s-min=16.2km

az=67.0, Southwestern Siberia

I46RU ZALESOV INFRA 1.36 259 I Op I 09 47 20.0

ZALV Zalesovo Beam 1.36 259 Pg I 09 38 39.1 -1.7

KURBB Kurchatov Arra 6.35 239 Pg I 09 39 50.5 +1.0

MKAR Makanchi Array 8.04 204 Pn Pn 09 40 13.7 +1.0

MKAR Makanchi Array 8.04 204 Pn Pn 09 41 44.3 +0.1

IDC 20 09:42:02.8, 1.3, 29.26S:178.43W, h122km, 32km, mb3.0/2, mbtmp3.4/2, Error ellipse: s-maj=219.8km

s-min=67.7km az=168.0, Kermadec Islands

RAO Raoul Island 0.45 89 P Op I 09 42 21.0 +0.5

ASAR Alice Springs 42.81 266 P I Amb 09 49 48.4 -0.4

FINES Finlayson Array B 143.95 340 PKP PKPdf 10 01 22.4 -0.7

IDC 20 09:50:34.4, 2.7, 53.53N:87.68E, h0km, mbtmp3.0/2, ML2.8/2, Error ellipse: s-maj=24.5km s-min=14.6km

az=66.0, Southwestern Siberia

I46RU ZALESOV INFRA 1.75 285 I Op I 10 02 10.0

ZALV Zalesovo Beam 1.75 285 Pn Pn 09 51 06.0 0.0

KURBB Kurchatov Arra 6.35 239 Pg I 09 51 29.6

MKAR Makanchi Array 7.58 209 Pn Pn 09 52 27.3 +1.3

MKAR Makanchi Array 7.58 209 Pn Pn 09 53 52.4 -0.2

STR 20 09:53:24.9, 0.7, 43.1N:4.4E, h0km, MLV2.5/31, Error ellipse: s-maj=0.0km s-min=0.0km az=175.9, preliminary

ROM 20 09:53:28.6, 0.3, 19N:0.03, 6.63E:0.02, h5km, 3km, ML2.3/26, Error ellipse: s-maj=3.1km s-min=1.4km

az=182.0

LDG 20 09:53:27.1, 0.1, 43.19N:6.73E, h2km, MD2.8/1, ML2.8/17, Error ellipse: s-maj=2.3km s-min=1.6km az=169.0

ISC 20 09:53:24.3, 0.9, 43.15N:0.04, 6.73E:0.02, h0km, n94, r085/129, Near south coast of France

LMR La Mourre 0.24 319 P I Amb 09 53 30.3 +1.4

FLAF Flassignans-sur-I 0.41 304 Pg P 09 53 34.2 -0.3

FLAF Villa Ellenroc 0.49 37 Pg S 09 53 39.7 +2.1

MVIF l'Escarene 0.83 35 Pg S 09 53 52.2 -0.6

ESCA l'Escarene 0.83 35 Pg S 09 53 51.9 +0.4

LEPF PUYLOUBIER 0.83 297 Pg P 09 53 42.3 +0.7

BLAF Eric Blanc 0.96 32 Pg P 09 53 43.1 +0.8

ENAX ENaux 0.96 22 Pg P 09 53 43.0 -0.6

OGDI Digne 1.01 342 Pg P 09 53 45.3 +0.6

ISOL Isola 1.06 13 Pg P 09 53 45.7 +0.1

ISOL Isola 1.06 13 Pg P 09 53 46.1 +0.6

IMPI Imperia 1.19 48 P P 09 53 47.6 +0.7

IMPI Imperia 1.19 48 P P 09 54 01.9 -0.3

IMVIA Menton 0.84 41 S S 09 53 53.1 -0.6

IMVIA Menton 0.84 41 S S 09 53 53.0 +0.6

IMVIA Menton 0.84 41 S S 09 53 54.3 +0.8

IMVIA Menton 0.84 41 S S 09 53 55.2 +0.6

IMVIA Menton 0.84 41 S S 09 53 55.4 +0.8

IMVIA Menton 0.84 41 S S 09 53 55.2 +0.6

IMVIA Menton 0.84 41 S S 09 53 55.4 +0.8

IMVIA Menton 0.84 41 S S 09 53 55.2 +0.6

IMVIA Menton 0.84 41 S S 09 53 55.4 +0.8

IMVIA Menton 0.84 41 S S 09 53 55.2 +0.6

IMVIA Menton 0.84 41 S S 09 53 55.4 +0.8

IMVIA Menton 0.84 41 S S 09 53 55.2 +0.6

IMVIA Menton 0.84 41 S S 09 53 55.4 +0.8

IMVIA Menton 0.84 41 S S 09 53 55.2 +0.6

IMVIA Menton 0.84 41 S S 09 53 55.4 +0.8

IMVIA Menton 0.84 41 S S 09 53 55.2 +0.6

IMVIA Menton 0.84 41 S S 09 53 55.4 +0.8

IMVIA Menton 0.84 41 S S 09 53 55.2 +0.6

IMVIA Menton 0.84 41 S S 09 53 55.4 +0.8

IMVIA Menton 0.84 41 S S 09 53 55.2 +0.6

IMVIA Menton 0.84 41 S S 09 53 55.4 +0.8

IMVIA Menton 0.84 41 S S 09 53 55.2 +0.6

IMVIA Menton 0.84 41 S S 09 53 55.4 +0.8

IMVIA Menton 0.84 41 S S 09 53 55.2 +0.6

IMVIA Menton 0.84 41 S S 09 53 55.4 +0.8

IMVIA Menton 0.84 41 S S 09 53 55.2 +0.6

IMVIA Menton 0.84 41 S S 09 53 55.4 +0.8

IMVIA Menton 0.84 41 S S 09 53 55.2 +0.6

IMVIA Menton 0.84 41 S S 09 53 55.4 +0.8

IMVIA Menton 0.84 41 S S 09 53 55.2 +0.6

IMVIA Menton 0.84 41 S S 09 53 55.4 +0.8

IMVIA Menton 0.84 41 S S 09 53 55.2 +0.6

IMVIA Menton 0.84 41 S S 09 53 55.4 +0.8

IMVIA Menton 0.84 41 S S 09 53 55.2 +0.6

IMVIA Menton 0.84 41 S S 09 53 55.4 +0.8

IMVIA Menton 0.84 41 S S 09 53 55.2 +0.6

IMVIA Menton 0.84 41 S S 09 53 55.4 +0.8

20d 10h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Saint-Julien-I, LASF, LASF, LASF, etc.

WEL 20 09:55:29.5±0.4, 4.47 S, 171° 11' E, h5km, M3.8/29, ML3.9/15, MLV3.8/29, Error ellipse: s-maj=0.0km s-min=0.0km az=33.8, confirmed

NOU 20 09:55:30.5, 43°59'S, 170°63'E, h8km, MLV4.2/12, South Island, New Zealand

ISC 20 09:55:29.7±1.1, 43.575°S, 02°170.56'E, 0.02, h4km, 13km, n83, e151/89, South Island

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists numerous stations across various regions.

LDG 20 10:22:23.0±0.1, 42°89'N, 4°59'W, h10km, ML3.3/26, Error ellipse: s-maj=9999.9km s-min=9999.9km az=99.0

STR 20 10:22:23.5±1.8, 43°N, 7°E, h7km, MLV3.2/7, Error ellipse: s-maj=0.0km s-min=0.0km az=76.9, preliminary

INMG 20 10:22:23.2±1.9, 42°35'N, 4°58'W, h18km, 3km, ML3.1, Error ellipse: s-maj=2.9km s-min=2.5km az=172.0

MDD 20 10:22:23.4±1.1, 42°39'N, 4°59'W, h12km, 1km, mb, Lg3.4/80, Error ellipse: s-maj=1.2km s-min=0.9km az=171.0

SFS 20 10:22:24.7, 42°76'N, 4°65'W, h0km, ML3.6/6, ML4.0/6, MLV3.4/6

ISC 20 10:22:22.0±1.0, 42°36'N, 02°46'W, 0.02, h17km, 8km, n114, e31/127, 1C-1D, Spain

2018 APR

Main station list table for 2018 APR with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Arriondas, Lanestosa, Pontenova, etc.

1268

Main station list table for 1268 with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Chera, Chize, Montoucuq, etc.

1269

Table with columns: Code, Station Name, Az, Az', Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CC1A, LOR, DIA, ORIF, MBDF, MCHU, DOURBE.

IDC 20 10:23:33.8; 2.31'46S; 178.75W, h0km, mb4.0/3, mbtm4.0/3, MS4.4/1, Error ellipse: s-maj=62.2km s-min=33.8km az=44.0, Kerma dec Islands region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like HNR, ANAR, WRA, QSPA, FINES.

KRNET 20 10:28:47.8; 0.1, 43'67N; 69'61E, mb2.8 SOME 20 10:28:47.8; 43'65N; 69'58E NNC 20 10:28:49.0; 2.4, 43'72N; 69'63E, h0km, mb3.8, mpv3.5, Error ellipse: s-maj=18.0km s-min=7.2km az=123.0, Suspected Mining explosion.

ISC 20 10:28:48.9; 2.1, 43.70N; 0.07; 69.66E; 0.09, h0km, n20, r1570/31, 12C-10D, Central Kazakhstan

Main table listing stations from BRLLS to TNSX with detailed parameters for each.

IDC 20 10:43:29.1; 5.9, 25'36N; 93'67E, h0km, mb3.3/2, mbtm3.3/3, Error ellipse: s-maj=208.3km s-min=99.7km az=63.0, Northeastern India

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

MOS 20 10:45:48.6; 1.6, 42'67N; 144'76E, h63km, mb4.6/23, Error ellipse: s-maj=7.5km s-min=5.2km az=81.3 SKHL 20 10:45:49.3; 0.5, 42'60N; 144'80E, h67km, mb5.6/5 JMA 20 10:45:49.6; 0.1, 42'70N; 144'75E, h51km, 1km, MD4.539, MW4.3/39, OFF NEMURO PENINSULA

JMA Feit II J1 at OFF NEMURO PENINSULA NIED 20 10:45:51.7; 1.9, 42'69N; 144'58E, h71km, 15km, mb3.8/21, Mbtor Solution. s3 Moment tensor: Scale: 10^15 Nm; Mn: 0.38; M0: 0.96; M1: 1.34; M2: 2.34; M3: 1.82; M4: 0.50; Fault plane solution: M3.23000x10^15 NP1: 7.72.00000, 885.00000, 132.00000. NP2: 167.00000, 542.00000, 7.00000.

NEIC 20 10:45:50.7; 1.6, 42'64N; 0.04; 144'7E; 0.1, h57km, 7km, mb4.5/150 Error ellipse: s-maj=11.7km s-min=5.9km az=103.0

IDC 20 10:45:51.7; 1.9, 42'69N; 144'58E, h71km, 15km, mb3.8/21, mbtm4.0/27, MS3.4/24, Error ellipse: s-maj=15.5km s-min=11.5km az=93.0

2018 APR

ISC 20 10:45:49.8; 0.6, 42.70N; 0.04; 144.77E; 0.03, h58km, 4km, h677, r1514/669, mb4.5/117, MS3.5/17, 15C-16D, Hokkaido region

Main table listing stations from AKK to MAJO with detailed parameters for each.

20d 10h

Main table listing stations from MJAR to TNA with detailed parameters for each.

20d 10h

Table with columns: ID, Name, Azimuth, Altitude, Azimuth Error, Altitude Error, Status, Date, Time, Azimuth Error, Altitude Error, Status. Includes entries like F14K Arctic Creek, ANM Nome, M13K Dall Lake, etc.

2018 APR

Table with columns: ID, Name, Azimuth, Altitude, Azimuth Error, Altitude Error, Status, Date, Time, Azimuth Error, Altitude Error, Status. Includes entries like GCSA Galena City Sc, P17K Kvichak River, D19K Kuna River, etc.

1270

Table with columns: ID, Name, Azimuth, Altitude, Azimuth Error, Altitude Error, Status, Date, Time, Azimuth Error, Altitude Error, Status. Includes entries like E22K Anaktuvuk Pass, E22K Anaktuvuk Pass, SKT Skwentna, etc.



Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like G25K, GLI, H25L, F25K, MA2K, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like EPHY, M29M, L29M, G30M, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like FLDN, SOEI, ABKAR, etc.

20d 11h

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BFSC Mount Baldy Ra, CIS Catalina Islan, TUQ Turquoise Moun, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KRVT Keravat (AS076), IRM Iron Mountain, etc.

2018 APR

Main table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KRVT, WRA Warramunga Arr, ASAR Alice Springs, etc.

1272

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BOOM Boomsokoje usch, CHMS Chumysh, CHMS Chumysh, etc.

Table with columns: GOMU, GeErMu, 18.45, 86, P, Pn, 11 44 09.8 +0.2, 11 44 46.0 -6.6, 11 44 14.9 -0.9, 11 44 13.7 +0.2, 11 44 14.5 +1.0, 11 44 13.8 +0.3, 11 47 35.8 -5.9, 11 44 14.3 +0.8, 11 44 18.6 +0.2, 11 47 50.8 +0.1, 11 44 20.6 -1.0, 11 44 31.4 +0.3, 11 44 31.4 +0.3, 11 44 36.3 +1.2, 11 44 38.1 +0.9, 11 44 38.3 +1.2, 11 44 24.4 -0.2, 11 44 37.8 +0.6, 11 44 37.6 +0.4, 11 48 26.4 +1.8, 11 44 39.7 +0.9, 11 44 39.7 +0.9, 11 44 40.9 +2.2, 11 44 41.4 +2.7, 11 44 48.8 +2.8, 11 45 17.5 +4.4, 11 44 47.2 +0.3, 11 44 50.8 +1.4, 11 44 53.8, 11 44 50.8 +1.4, 11 44 54.4 +1.3, 11 48 59.1 +7.9, 11 44 54.2 +1.1, 11 44 55.2 +1.0, 11 49 01.0 +8.0, 11 44 54.4 +0.2, 11 44 59.0 +2.9, 11 44 54.9 -1.1, 11 44 55.2 -0.8, 11 48 56.1 -0.1, 11 45 23.4 +1.8, 11 45 22.5 +1.0, 11 45 27.4 +1.7, 11 45 30.1, 11 45 26.1 +1.0, 11 45 27.2, 11 45 26.1 +0.1, 11 45 29.5 -1.0, 11 45 37.0 +2.1, 11 45 36.9 +1.9, 11 45 38.8 +3.3, 11 45 52.1 +2.3, 11 45 58.3 +1.7, 11 45 58.1 +1.5, 11 45 57.8 +1.2, 11 45 57.7 +1.2, 11 46 30.0 +2.0, 11 46 45.0 +0.1, 11 46 59.0, 11 45 58.8 +0.4, 11 46 01.5 +1.8, 11 46 01.7 +1.8, 11 45 59.9 0.0, 11 46 01.2 +1.3, 11 46 06.9 +0.9, 11 46 07.7 +0.2, 11 46 08.5 0.0, 11 46 24.7 +0.6, 11 46 25.6 +1.0, 11 46 25.4 +0.9

Table with columns: AKASG, Main Array Be, 33.06 308, P, Pmax, 11 46 25.3 +0.8, 33.06 308, P, Pmax, 11 46 25.8 +1.2, 11 46 29.4, 11 46 24.9 +0.4, 11 46 25.8 +1.2, 11 46 28.7 +1.9, 11 46 28.4 +1.5, 11 46 28.1 +1.3, 11 46 29.6 -0.7, 11 46 32.3 +0.4, 11 46 33.4 +0.1, 11 46 33.7 +0.3, 11 46 35.9 -1.1, 11 46 35.9 -1.1, 11 46 35.9 -1.1, 11 47 08.1 -0.7, 11 47 51.8 -5.6, 11 51 54.3 -0.6, 11 52 51.4 +0.8, 11 54 24.8 +2.2, 11 59 58.0, 12 02 16.0, 12 02 17.3, 12 02 48.0, 11 46 35.9 -1.1, 11 47 08.1 -0.7, 11 47 08.1 -0.7, 11 51 54.2 -0.6, 11 52 51.3 +0.8, 11 46 35.9 -1.1, 11 47 08.1 -0.7, 11 47 08.1 -0.7, 11 51 54.2 -0.6, 11 52 51.3 +0.8, 11 46 45.8, 11 46 43.8 +1.8, 11 46 44.0 +2.0, 11 46 45.2 +3.2, 11 46 43.6 +0.5, 11 46 43.6 +0.3, 11 46 44.0 +0.6, 11 46 47.5 +1.8, 11 46 47.5 +1.7, 11 46 48.1 +1.6, 11 46 50.7 +1.0, 11 46 54.7 +1.6, 11 46 59.0 +1.6, 11 46 59.5 +2.1, 11 46 60.0 +1.1, 11 47 00.0 +1.1, 11 47 01.4 +0.6, 11 47 02.3 +1.5, 11 47 01.9 +1.2, 11 47 02.4 +0.8, 11 47 04.6 +0.8, 11 47 12.5, 11 47 04.2 +0.4, 11 47 04.5 +1.1, 11 47 06.1 +1.9, 11 47 09.0 +1.7, 11 47 15.0 +2.0, 11 47 16.2 +0.7, 11 47 17.7, 11 47 15.7 +0.2, 11 47 16.2 +0.7, 11 47 19.2 +1.6, 11 47 19.5 +0.2, 11 47 23.0 +0.9, 11 47 23.1, 11 47 28.1 +1.5, 11 47 28.1 +1.5, 11 47 29.5 +1.8, 11 47 29.5 +1.8, 11 47 31.2 +1.6, 11 47 30.5 +0.9, 11 47 31.0 +1.4, 11 47 30.5 +0.9, 11 47 32.2 +1.1, 11 47 35.2 +2.7, 11 47 33.7 +0.8, 11 47 34.4 +0.9, 11 47 34.8 +1.2, 11 47 35.4 +1.3, 11 47 39.8 +1.8, 11 47 40.1 +1.9, 11 47 44.5 +1.6, 11 47 44.5 +0.7, 11 47 46.3 +1.5, 11 47 47.6 +1.9, 11 47 47.6 +1.9, 11 47 49.2 +2.5, 11 47 47.8 +1.1

Table with columns: GSI, Sunngisotoli, 42.87 140, P, P, 11 47 48.7 +1.6, 42.80 294, P, P, 11 47 48.1 +0.8, 11 47 58.7, 11 47 47.8 +0.4, 42.96 321, P, P, 11 47 46.5 -1.3, 43.03 36, P, P, 11 47 46.5 -1.3, 43.09 305, P, P, 11 47 50.0 +1.2, 43.09 305, P, P, 11 47 49.9 +1.2, 43.14 305, P, P, 11 47 49.8 +0.7, 43.14 305ceP, P, Pmax, 11 47 48.3 -0.8, 43.27 292, P, P, 11 47 51.6 +1.3, 43.30 308, P, P, 11 47 51.0 +0.8, 43.44 302, P, P, 11 49 35.0 +1.5, 43.44 302, P, P, 11 47 53.0 +1.5, 43.52 332, P, P, 11 47 53.1 +1.4, 43.52 301, P, P, 11 47 53.2 +1.0, 43.57 302, P, P, 11 47 53.8 +1.1, 43.58 301, P, P, 11 47 53.4 +0.8, 43.58 301, P, P, 11 47 54.6, 43.68 333, P, P, 11 47 54.4 +1.4, 43.68 303, P, P, 11 47 56.7 +1.0, 44.01 323, P, P, 11 47 56.8 +1.0, 44.01 323, P, P, 11 47 57.6, 44.02 72, P, P, 11 47 56.2 0.0, 44.07 322, P, P, 11 47 56.9 +0.7, 44.15 331, P, P, 11 47 57.8 +1.0, 44.19 323, P, P, 11 47 58.4 +1.2, 44.21 323, P, P, 11 47 58.2 +0.8, 44.25 323, P, P, 11 47 57.9 +0.2, 44.25 323, P, P, 11 47 57.9 +0.2, 44.25 323, P, P, 11 47 58.2 +0.4, 44.32 301, P, P, 11 47 59.5 +1.0, 44.40 322, P, P, 11 47 59.8 +1.0, 44.46 323, P, P, 11 48 00.6, 44.46 323, P, P, 11 48 00.1 +0.8, 44.49 323, P, P, 11 48 00.5 +0.8, 44.53 297, P, P, 11 48 01.6 +1.4, 44.69 303, P, P, 11 48 02.6 +1.0, 44.90 22, P, P, 11 48 03.7 +1.1, 44.90 22ceP, P, Pmax, 11 48 04.3 -2.3, 44.90 301, P, P, 11 48 04.3 +1.1, 44.90 301, P, P, 11 48 04.3 +1.1, 44.99 296, P, P, 11 48 03.7 -0.1, 44.99 303, P, P, 11 48 04.7 +0.8, 44.99 321, P, P, 11 48 04.4 +0.9, 44.99 321, P, P, 11 48 04.4 +0.9, 45.25 61, P, P, 11 48 06.0 +1.5, 45.25 61, P, P, 11 48 33.5, 45.25 61, P, P, 11 48 06.0 +0.2, 45.25 61, P, P, 11 48 06.1 +0.3, 45.25 61, P, P, 11 48 06.1 +0.3, 45.35 303, P, P, 11 48 06.5 +0.2, 45.74 302, P, P, 11 48 09.5 -0.4, 45.87 303, P, P, 11 48 11.8 +0.8, 45.96 302, P, P, 11 48 12.4 +0.8, 46.75 299, P, P, 11 48 18.7 +1.0, 46.99 347, P, P, 11 48 20.8 +1.8, 46.99 347, P, P, 11 48 20.7 +1.7, 46.99 347, P, P, 11 48 20.5 +1.5, 47.41 234, P, P, 11 48 24.2 +1.1, 47.49 305, P, P, 11 48 25.1, 47.49 305, P, P, 11 48 24.8 +1.5, 47.79 302, P, P, 11 48 26.7 +0.8, 47.85 307, P, P, 11 48 27.9 +1.8, 47.85 307, P, P, 11 48 27.9 +1.8, 48.10 347, P, P, 11 48 29.6 +2.1, 48.10 347, P, P, 11 48 28.7 +1.2, 48.10 347, P, P, 11 48 29.7 +2.1, 48.17 293, P, P, 11 48 28.5 -0.1, 48.53 301, P, P, 11 48 32.6 +1.1, 48.53 301, P, P, 11 48 34.2, 48.53 301, P, P, 11 48 32.6 +1.1, 49.46 288, P, P, 11 48 39.5 +0.9, 49.46 288, P, P, 11 48 40.1 +1.5, 49.75 284, P, P, 11 48 42.0 +1.3, 49.93 302, P, P, 11 48 42.3 +0.3, 50.30 226, P, P, 11 48 45.0 -0.1, 50.30 226, P, P, 11 48 46.2, 52.27 316, P, P, 11 48 59.6 +0.4, 53.00 299, P, P, 11 48 06.0 +1.1, 53.26 349, P, P, 11 49 04.4 -1.7

20d 12h

Table of station data for 20d 12h, including call signs like MBAR, DAG, BILL, and various frequencies and power levels.

2018 APR

Table of station data for 2018 APR, including call signs like C36M, TTA, G27K, and various frequencies and power levels.

1274

Table of station data for 1274, including call signs like YKA, YKA, YKAB2, and various frequencies and power levels.

Table with columns: FIAO, FINES Array S, 1.52 289, PG, Pn, 12 06 32.8 -1.8, etc. Includes various station codes and times.

Table with columns: KARP, comp=N,3463um,0.6s, AML, AML, 12 21 01.6, etc. Includes various station codes and times.

Table with columns: AFYN, Afyon-Dinar-K, 2.85 61, P, S, Pn, Sg, 12 20 57.0 +1.0, etc. Includes various station codes and times.

ISK 20:12:09.8, 36:94N, 27:31E, h12km, ML3.8/34
HLW 20:12:10.1, 36:99N, 27:44E, h15km, 21km, M4.5, M3.9
THE 20:12:11.2, 36:94N, 27:38E, h6km, 1km, ML3.97, Error
ellipse: s-maj=1.5km s-min=0.8km az=241.0

AFAD 20:12:01.1, 1.0, 0.0, 36:92N, 27:28E, h3km, 2km, MW3.8
GII 20:12:11.7, 0.0, 0.0, 36:49N, 0.005:27:158E, 0.002, h10km,
M3.6/1, Mws4.0/2, confirmed
ATH 20:12:11.1, 36:95N, 27:37E, h7km, 1km, ML3.6/13, Error
ellipse: s-maj=1.9km s-min=0.9km az=79.0

IDC 20:12:13.0, 3.2, 3.6, 36:86N, 27:36E, h31km, 27km, mb3.7/15,
mb1mp3.9/19, ML3.6/3, M3.0/5, Er16.0, Ellipse:
s-maj=20.8km s-min=12.7km az=161.0

NEIC 20:12:13.8, 1.8, 3.6, 36:82N, 0.05:27:41E, 0.06, h3km, 2km,
mb4.2/18, Error ellipse: s-maj=8.7km s-min=8.6km
az=202.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BODT, BDRM, YKAV, etc.

Table with columns: CHOS, comp=N,2592um,0.6s, AML, AML, 12 21 14.2, etc. Includes various station codes and times.

Table with columns: AKHS, AKHS, ZKR, ZKR, ZKR, comp=N,1012um,0.4s, AML, AML, 12 21 24.7, etc. Includes various station codes and times.

Table with columns: AFYN, Afyon-Dinar-K, 2.85 61, P, S, Pn, Sg, 12 20 57.0 +1.0, etc. Includes various station codes and times.

Table with columns: AFYN, Afyon-Dinar-K, 2.85 61, P, S, Pn, Sg, 12 20 57.0 +1.0, etc. Includes various station codes and times.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like B22K, B20K, KULIM, B21K, USRK, E29M, E22K, F28M, KSRS, E19K, H29M, IMAR, J30M, ILAR, DAWY, JNU, MJAR.

PRU 20 12:21:25.7, 50.27N, 18.94E, h0km
IPUC 20 12:21:25.1, 0.2, 50.23N, 19.00E, h1km, ML2.3/4, Error ellipse: s-maj=2.4km s-min=1.1km az=168.0
IDC 20 12:21:26.2, 2.5, 50.14N, 19.08E, h0km, mbmp3.3/3, ML2.7/3, Error ellipse: s-maj=47.8km s-min=9.7km az=134.0

ISC 20 12:21:23.4, 0.8, 50.37N, 0.04, 19.04E, 0.02, h0km, n31, e139/49, Poland

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like OJC, MORC, LANS, NIE, MAUC, KRKC, STHS, DPC, JAVC, VYHS, VRAC, VRAC, VRAC, CRVS, KRUC, MODS, PVCC, PRU, BRG, KRKC, GERES, GERES, GERES, KJVV, VIRC, DUGI, FINES, FINES, ARCES, ARCES.

KRSZO 20 12:21:34.5, 1.5, 47.94N, 19.55E, h0km, ML1.3/1, Error ellipse: s-maj=19.3km s-min=6.9km az=0.0, Hungary

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PSZ, A269A, A332A.

NEIC 20 12:23:28.4, 1.9, 18.13S, 0.06, 71.02W, 0.08, h50km, 8km, mb4.5/6, Error ellipse: s-maj=11.6km s-min=6.6km

GUC 20 12:23:29.7, 0.8, 18.12S, 70.92W, h2km, 4km, ML3.9
IDC 20 12:23:31.4, 2.0, 18.18S, 70.56W, h7km, 23km, mb3.8/2, mbmp4.1/7, Error ellipse: s-maj=34.7km s-min=17.5km az=59.0
ISC 20 12:23:29.6, 0.9, 18.17S, 0.05, 70.86W, 0.08, h61km, 8km, n59, e151/60, mb4.1/5, 3C-2D, Near coast of northern Chile

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AKTO, BRVK, BRVK, BVAO, BVAO, AB31, AB31.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AP01, PB12, PX02, PB18, PB11, GO01, TA02, TA01, PB08, PATCX, PB01, PB02, PB03, PB04, PB05, LVC, AC02, ETMB, SIV, AC04, LCO, WILB, ATUH, H03N1, H03N2, H03N3, TULM, TROA, RCBR, RCBR, QSPA, QSPA, TOA0, TOA0, TORO, TORO, YKA, H1S2, H1N3, H1S1, H1N2, H1N1, H1S3, KURBB.

IDC 20 12:29:23.1, 4.8, 5.97S, 141.78E, h0km, mb3.4/1, mbmp3.4/3, ML3.2/2, Error ellipse: s-maj=160.7km s-min=19.6km az=101.0, New Guinea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA, WRA, ASAR, ASAR, ASAR, MKAR.

NNC 20 13:11:36.1, 2.1, 54.77N, 61.62E, h0km, mb3.7, mpv3.3, 4C-3D, Error ellipse: s-maj=28.4km s-min=7.2km az=153.0, Suspected Mining explosion, Ural Mountains region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AKTO, BRVK, BRVK, BVAO, BVAO, AB31, AB31.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PAJU, PAJU, HEF, HEF, KLF, KLF, KTK1, KTK1, KALU, KALU, RNF, RNF, ARAO, ARAO, KMNf, KMNf, KEV, KEV.

HEL 20 13:45:43.2, 0.7, 67.74N, 20.05E, h0km, ML1.0, Explosion, Sweden

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LVZ, VRF, VRF, VRF, RAJF, RAJF, RAJF, RAJF, OLKF, OLKF, KU6, KU6, KU6, KU6, KMNf, KMNf, SGF, SGF, MSF, MSF, KEV, KEV, KEV, KEV.

HEL 20 13:46:43.9, 0.1, 68.05N, 33.36E, h0km, ML1.7, Explosion, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RAJF, RAJF, RAJF, RAJF, OLKF, OLKF, KU6, KU6, KU6, KU6, KMNf, KMNf, SGF, SGF, MSF, MSF, KEV, KEV, KEV, KEV, RNF, RNF, RNF, RNF, RANF, RANF, HEF, HEF, HEF, HEF, KLF, KLF, KLF, KLF, KTK1, KTK1, KTK1, KTK1, PAJU, PAJU, RMF, RMF, OUL, OUL, LANU, LANU, KALU, KALU.

JMA 20 13:48:59.9, 0.1, 40.00N, 0.3, 142.7E, 0.7, h31km, 1km, MV3.9/40, E OFF IWATE PREF

NIED 20 13:48:59.9, 39.95N, 142.65E, h31km, MW4.0, Moment Tensor solution: s3 Moment tensor: Scale 10^15Nm; Mn:0.62; M0:0.07; M00:0.69; M01:0.68; M02:0.30; M03:0.56; Fault plane solution: Mo1.26000x10^15 NPT0:49.00000, 0.875, 0.00000, 1.110, 0.00000. NP2:0:174.00000, 0.825, 0.00000, 7.38, 0.00000

IDC 20 13:49:04.2, 2.2, 39.83N, 142.66E, h72km, 20km, mb3.5/14, mbmp3.8/21, MS3.2/13 Error ellipse: s-maj=19.4km

ISC 20 13:48:58.1, 1.5, 39.92N, 0.04, 142.70E, 0.05, h16km, 9km, n45, e145/41, mb3.8/13, MS3.3/9, 11D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JTH, JTH, MIYJ, MIYJ, JKEN, JKEN, JANG, JANG, JKZ, JKZ, OFJU, OFJU, JOM, JOM, JMK, JMK, JTM, JTM, JAH, JAH, JRG, JRG, ASAJ, ASAJ, MJAR, MJAR, JHJ, JHJ, USRK, USRK, JNU, JNU, KSRS, KSRS, KSRS, KSRS, KLR, KLR, KLR, KLR, JCJ, JCJ, PETK, PETK, MA2, MA2, MA2, MA2, SONM, SONM, SONM, SONM, H1N2, H1N2, H1N1, H1N1, H1S3, H1S3.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like H11S3 WAKE ISLAND, H11S2 WAKE ISLAND, ZALV Zalesovo Beam, etc.

IDC 20 13:56:48.3.5.3, 14:166N-144:36E, h84km, mb2.9/3, mbmp3.2/3, Error ellipse: s-maj=104.2km s-min=29.1km az=108.0, Mariana Islands

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like GUMU Guam, WRA Warramunga Arr, ASAR Alice Springs, etc.

NNC 20 13:59:29.6.10.0, 38:67N-70:08E, h0km, mb3.9, mpv4.0, 3C, Error ellipse: s-maj=134.3km s-min=52.6km az=68.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like IUG luzhnay, DZA Taraz, BRLS Borolday, etc.

NOU 20 14:09:25.0, 19:166S-175:48W, h205km, mb4.4/8, Tonga Islands

IDC 20 14:09:26.8.18.0, 19:31S, 176:07W, h238km, 173km, mb3.5/5, mbmp4.1/5, Error ellipse: s-maj=50.1km s-min=45.7km az=5.0

NEIC 20 14:09:26.2.1.4, 19:2S:0.2:175:5W.0.1, h263km, 13km, mb4.2/26, Error ellipse: s-maj=24.9km s-min=12.6km az=199.0

ISC 20 14:09:26.2.0.7, 19:4S:0.1:175:63W:0.09, h250km, n43, r150/44, mb4.1/18, Tonga Islands

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like TAVE Taveuni, NIEVE Niue, MNSAV Nonsavu, etc.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like WB0 Warramunga Arr, WRAB Tennant Creek, WRA Warramunga Arr, etc.

JMA 20 14:14:24.3.0.2, 40:0N:0.3:142:16E:0.8, h32km, 1km, MV3.6/35, E OFF IWATE PREF

IDC 20 14:14:25.8.2.9, 39:93N:142:71E, h47km, 28km, mb3.3/7, mbmp3.5/9, ML2.9/2, Error ellipse: s-maj=32.0km s-min=20.6km az=93.0

ISC 20 14:14:27.2.2.3, 39:97N:0:0:142:77E:0.06, h9km, 14km, n29, r131/29, mb3.5/7, 11D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like JTH Tanohata, JTH Miyakonagasawa, JMIJ Miyajima, etc.

MJAR Matsushiro Arr 4.96 228 P Pn 14 15 37.2 +1.8

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like H11N2 WAKE ISLAND, H11N1 WAKE ISLAND, H11N3 WAKE ISLAND, etc.

IDC 20 14:41:33.6.0.7, 4:29N-82:56W, h0km, mb4.2/13, mbmp4.3/19, ML2.8/4, MS3.5/22, Error ellipse: s-maj=25.0km s-min=14.8km az=50.0

NEIC 20 14:41:37.7.1.9, 4:52N:0:0:82:61W:0.10, h10km, 1km, mb4.8/66, Error ellipse: s-maj=18.7km s-min=10.9km az=236.0

CATAC 20 14:41:37.5.0.5, 4:44N-82:74W, h14km, mb5.1km, MB5.5, mb5.2, ML5.0

RSNC 20 14:41:38.2.0.6, 5:1N:3:8:2W, h0km, n5, 1, MB5.5, ML3.7, Mw(mB)5.0

UCR 20 14:42:13.0.0.3, 7:09N-82:99W, h17km, 667km, MW3.8

ISC 20 14:41:36.3.0.3, 4:34N:0:04:82:64W:0.04, h10km, n485, r150/436, mb4.8/50, MS3.6/15, South of Panama

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like CACAO El Cacao, Vera, CACAO Caracol de Cor, AZU Azuero, etc.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like SRBA San Rafael, Bu, DRKO Durika, DRKO Durika, etc.

JMA 20 14:41:33.6.0.7, 4:29N-82:56W, h0km, mb4.2/13, mbmp4.3/19, ML2.8/4, MS3.5/22, Error ellipse: s-maj=25.0km s-min=14.8km az=50.0

NEIC 20 14:41:37.7.1.9, 4:52N:0:0:82:61W:0.10, h10km, 1km, mb4.8/66, Error ellipse: s-maj=18.7km s-min=10.9km az=236.0

CATAC 20 14:41:37.5.0.5, 4:44N-82:74W, h14km, mb5.1km, MB5.5, mb5.2, ML5.0

RSNC 20 14:41:38.2.0.6, 5:1N:3:8:2W, h0km, n5, 1, MB5.5, ML3.7, Mw(mB)5.0

UCR 20 14:42:13.0.0.3, 7:09N-82:99W, h17km, 667km, MW3.8

ISC 20 14:41:36.3.0.3, 4:34N:0:04:82:64W:0.04, h10km, n485, r150/436, mb4.8/50, MS3.6/15, South of Panama

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like TCS1 Tacares, TCS1 Tacares, TULM Tulen-Chalpat, etc.

20d 14h

Table with columns for station ID, name, coordinates, and other details. Includes entries like JTS, PLMC, SAJU, SAUJ, etc.

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Table with columns for station ID, name, coordinates, and other details. Includes entries like LCAR, FCAR, ALPN, MNHN, etc.

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Table with columns for station ID, name, coordinates, and other details. Includes entries like BMM, BGMT, BLID, BOZ, etc.



Table with 10 columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, and Status. Includes stations like GLI, M24K, PAX, RIDG, BORG, etc.

Table with 10 columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, and Status. Includes stations like C24K, G22K, K20K, L19K, etc.

Table with 10 columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, and Status. Includes stations like NOR, D17K, C17K, F15K, etc.

KRNET 20 15:01:17.7:0.1, 39:69N, 73:14E, h15km, mb3.3
ISU 20 15:01:18.4: 39:70N, 73:18E, h13km
NMC 20 15:01:20.5: 19:39:26N, 73:08E, h0km, mb3.6, mpv3.4,
For ellipse: s-major = 15.6km, s-minor = 3.4km, az = 178.0
SOME 20 15:01:21.3: 39:55N, 72:55E, h15km
ISC 20 15:01:17.9: 1.4, 39:60N, 0:06, 73:02E, h2km, 10km,
n65, c250/117, 30C-32D, Tajikistan-Xinjiang border
region

20d 15h

Table with columns: IUG, baz, hz, 3S, 2.41 319 eP, Pb, 15 02 17.5 -1.6, etc. Lists various stations and their parameters.

IDC 20 15:10:53.6:0.8,2:63S:128:70E,h0km,mb3.9/9, mbmp4.1/11,ML4.4/2,MS3.5/1,Error ellipse: s-maj=42.8km s-min=16.0km az=79.0

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Main table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Contains station data for the 2018 APR period.

IDC 20 15:12:28.2:0.6,57:88S:25:62W,h0km,mb4.3/9, mbmp4.3/10,ML3.9/1,MS3.6/5,Error ellipse: s-maj=27.4km s-min=17.1km az=74.0

1280

Table with columns: VNA3, comp, 2.0,2nm,0.2s, JJS, Sn, 15 18 31.9 -1.4, etc. Lists stations in the 1280 region.

IDC 20 15:13:50.9:4.0,0:31S:132:46E,h0km,mb3.6/3, mbmp3.6/4,ML3.9/1,MS3.9/1,Error ellipse: s-maj=245.3km s-min=18.4km az=76.0

Table with columns: NOR, KBS, DBG, etc. Station Name, Time, Res, etc. Includes stations like Kingsbay, Spitsbergen Ar, etc.

Table with columns: MLZ, ARMA, EIDS, etc. Station Name, Time, Res, etc. Includes stations like Mavora Lakes, Wether Hill Ro, etc.

Table with columns: PZH, ILAR, PDAR, etc. Station Name, Time, Res, etc. Includes stations like Eielson Array, Pinedale Array, etc.

IDC 20 15:39:16.4±1.5, 1.45N, 126.48E, h0km, mb3.6/5, mbtmp3.6/5, Error ellipse: s-maj=158.7km s-min=19.5km az=65.0, Northern Molouca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Includes stations like WRA, ASAR, STKA, etc.

NEIC 20 15:46:42.6±2.1, 2.37S, 0.1°179.7W, 0.1, h516km, 10km, mb4.6/34, Error ellipse: s-maj=17.1km s-min=12.8km az=143.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Includes stations like RAO, MSFV, PINNC, etc.

IDC 20 16:02:08.3, 1.9, 39.66N, 94.30E, h0km, mb3.1/2, mbtmp3.7, ML3.1/5, MS3.0/1, Error ellipse: s-maj=37.7km s-min=22.1km az=50.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Includes stations like MK31, MK31, MKAR, etc.

NEIC 20 15:46:41.7±0.4, 23.68S, 0.06, 179.82W, 0.07, h500km, n161, 0.159/172, mb4.5/46, 6C-2D, South of Fiji Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Includes stations like RAO, MSFV, PINNC, etc.

IDC 20 16:02:13.1-1.7, 39.5N, 102.93E, 0.2, h35km, n11, 0.159/173, 5C-3D, Southern Xinjiang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Includes stations like SBA, VDA, SOEI, etc.

IDC 20 16:22:25.0, 0.9, 28.05N, 62.23E, h0km, mb3.7/9, mbtmp3.7/10, ML3.6/1, MS3.0/1, Error ellipse: s-maj=23.5km s-min=22.9km az=89.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Includes stations like MK31, MKAR, MAKZ, etc.

20d 18h

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like MASF Masafi, MSFE Esma-Masafi, WBK Wadi Bani Khal, etc.

20d 16:23:28.1±2.4, 11.855x122.78E, h0km, mb3.4/1, mbtmp3.5/3, ML3.4/2, Error ellipse: s-maj=54.2km s-min=32.9km az=64.0, South of Timor

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like BATI Baumata, WRA Warrungga Arr, ASAR Alice Springs, etc.

JMA 20 16:40:39.7±0.2, 24°2'N, 123°38'E, h14km, 2km, MV0.1/6, NEAR ISHIGAKIJIMA ISLAND, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like IRIF Iriomote-Funau, JKRS Kuro-Shima, HATJ Hateruma jima, etc.

NNC 20 16:41:07.8±6.6, 39.02N, 69.46E, h0km, mb3.8, mpv3.6, 4C, Error ellipse: s-maj=65.3km s-min=43.5km az=68.0, Tajikistan

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like IUG luzhnay, BRLS Borolday, KK31 Karatay Array, etc.

TAP 20 16:41:19.3, 24°32'N, 121.76E, h58km, ML1.5, D, Taiwan

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like EHP Heping Village, ENA Nanau, EWUT Wuta, etc.

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Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like NACB baz=237, ETXH Xiulin Townshi, ETLL Suao, etc.

20 17:00:42.9±1.9, 0°36'N, 124.79E, h0km, mb3.2/3, mbtmp3.3/3, Error ellipse: s-maj=295.6km s-min=24.8km az=64.0, DJA 20 17:00:53.2±0.6, 0°S, 2°12'4E, h30km, 5km, MA.4/17, mb4.6/7, mb5.0/5, MLv4.3/17, Mw(M)4.3/5, ISC 20 17:00:53.2±1.0, 0.06S, 0.05E, 124.42E, 0.04, h74km, 12km, n16, ±150/25, mb3.0/3, Southern Molucca Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like KMSI Cibinong, GTOI Gorontalo, LUWI Luwuk, etc.

20 17:41:01.0±1.1, 35°82'S, 103°76'W, h0km, mb3.8/4, mbtmp3.8/4, MS3.6/3, Error ellipse: s-maj=99.7km s-min=27.8km az=95.0, ISC 20 17:41:02.8±1.3, 35°8S, 0°2', 103°39'W, 1.0, h10km, n13, mb6.4/7, mb3.9/4, MS3.5/3, Southeast of Easter Island

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like H03N2 Juan Fernandez, H03N3 Juan Fernandez, H03N1 Juan Fernandez, etc.

NEIC 20 18:01:57.0±1.4, 43°12'N, 0°06', 126°8'W, 0°1', h10km, 2km, ML3.1/8/6, Error ellipse: s-maj=13.4km s-min=9.9km az=267.0, Off coast of Oregon

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like J01E Myrtle Point, KBOI Boy's Butte, K02D Willamette Mer, etc.

1282

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like K02D comp=N, 69nm, 0.3s, K5XB Camp Six Broad, I03D Drain, OR, etc.

UCR 20 18:20:21.3±0.9, 9°25'N, 83°88'W, h58km, 5km, MW3.6, CATAC 20 18:20:22.0±0.7, 9°26'N, 83°83'W, h41km, 3km, ML3.1, ISC 20 18:20:21.6±1.4, 9°24'N, 0°06', 83°86'W, 0.06, h50km, n23, Costa Rica

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like PEZE Perez Zeledon, OCHAL Ojochal, CDM Cerro de Muert, etc.



20d 18h

Table with columns for station name, frequency, and other parameters. Includes stations like ASAR Alice Springs, ILAR Elieson Array, FINES FINES Array B, YKA Yellowknife Arr, NVAR Mina Array Bea.

NEIC 20 18:40:11.6:1.5, 43:53N:0:05:105:33W:0:09, h0km, 1km, ML2.8/59, Error ellipse: s-maj=1.1km s-min=8.3km az=270.0

ISC 20 18:40:12.3:2.8, 42:93N:105:33W, h0km, mbmp3.1/2, ML2.7/2, Error ellipse: s-maj=49.8km s-min=11.5km az=157.0

ISC 20 18:40:13.1:1.2, 43:47N:0:05:105:33W:0:07, h0km, n37, s15/36, Wyoming

Main station list table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists numerous stations like RSDS Black Hills, PDAR Pinedale Array, RLMT Red Lodge, etc.

ISC 20 18:39:15.9:47.0, 15:74S:174:07W, h0km, mb4.4/3, mbmp4.4/3, Error ellipse: s-maj=892.7km s-min=180.0km az=78.0

NEIC 20 18:40:33.5:1.4, 17:1S:0:4:177:8W:0:3, h507km, 29km, mb4.2/14, Error ellipse: s-maj=64.7km s-min=25.8km az=203.0

ISC 20 18:40:32.7:1.6, 17:1S:0:4:177:8W:0:1, h500km, n20, s16/19, mb4.0/11, Fiji Islands region

Continuation of station list table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MSVF Nonsavu, NIUE Niue, EIDS Eidsvold, etc.

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Table with columns for station name, frequency, and other parameters. Includes stations like AS31 Alice Springs, MTN Manton Dam, FORT Forrest, FITZ Fitzroy Crossi, MBWA Marble Bar, GSPA South Pole Quai.

ISK 20 18:56:57.4, 35:33N:28:41E, h20km, ML3, 3/33, IDC 20 18:56:59.6, 1.5, 35:21N:28:31E, h70km, 20km, mb3.4/5, mbmp3.6/9, Error ellipse: s-maj=23.3km s-min=12.4km az=3.0

NIC 20 18:56:59.6, 35:21N:28:42E, h32km, 27km, ML3, 4/13, ATH 20 18:56:59.9, 35:38N:28:33E, h20km, 3km, ML3, 2/10, Error ellipse: s-maj=4.2km s-min=1.1km az=341.0

GII 20 18:57:00.2, 0.7, 35:146N:0:005:28:45E:0:002, h60km, Mws3.5, confirmed THE 20 18:57:01.3, 35:44N:28:36E, h22km, 4km, ML3, 1/3, Error ellipse: s-maj=4.5km s-min=1.1km az=165.0

AFAD 20 18:57:01.9, 0.0, 35:72N:28:27E, h27km, 2km, ML3.0, ISC 20 18:56:59.0, 0.9, 35:33N:0:03:28:38E:0:03, h59km, 11km, n148, s142/189, mb3.5/5, Eastern Mediterranean Sea

Main station list table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists numerous stations like ARG Arkhangelos, KARP Karpathos, KSL Kastellorizon, etc.

1284

Main station list table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists numerous stations like FRMA comp=E,756um,0.9s, APMY Korkuelli, DDIM Aydin, DDIM Aydin, DDIM Aydin, etc.



20d 19h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like KAN13, KAN17 Caldwell West, KAN09 Caldwell North, etc.

2018 APR

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like KAN13, KAN17 Caldwell West, KAN09 Caldwell North, etc.

1286

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like OK032, OK032, OK032, etc.

NEIC 20 19:21:57.2, 0.6, 36.950N, 0.008-97.631W, 0.01, h6km, Error ellipse: s-maj=1.5km s-min=1.5km az=83.0

NEIC 20 19:27:04.7, 0.5, 36.942N, 0.005-97.631W, 0.01, h6km, Error ellipse: s-maj=1.4km s-min=0.7km az=45.0, Oklahoma

NEIC 20 19:28:48.6, 0.7, 36.940N, 0.006-97.62W, 0.01, h2km, Error ellipse: s-maj=1.4km s-min=0.9km az=78.0, Moment Tensor Solution





Table with columns for station code, name, time, and other details. Includes stations like T50A Nancy, P18A Preston Nutter, SRU San Rafael Swe, etc.

NOU 20 19:30:33.1, 30:45:55-174:88W, h39km, mb4.8/19, Keremadec Islands Region
BUI 20 19:30:34.5, 0:0, 29:70S:175:69W, h5km, mb5.2/37, mb5.7/17, Ms5.1/7, Ms7.4/7.6
IDC 20 19:30:35.5, 0.4, 29:94S:176:23W, h0km, mb4.5/18, mb4.5/18, Ms4.1/18, Ms4.1/18, Error ellipse: s-maj=16.0km s-min=14.7km az=17.0

Table with columns for Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GLKZ Green Lake, RAO Raoul Island, etc.

Table with columns for station code, name, time, and other details. Includes stations like OGWZ Nonsavu, MSVF Nonsavu, SNZO South Karori, etc.

Table with columns for station code, name, time, and other details. Includes stations like NWAO Narrogin (SRO), CASY Casey, GUMO Guam, etc.

Table with columns for station code, name, time, and other details. Includes stations like DAV Davao City (W), JCJ Chichijima, PMSA Palmer Station, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like AFDM Forest Hills D, PEAOB Petropavlovsk, and many others.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like O18K Iamb, KLR Kul'dur, NNA Nana, and many others.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like VRH comp=Z,21nm,1.5s, MOS Moscow, KEF Keuruu, and many others.

20d 19h

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC. Rows include KRKC Kraliky, DRGR, DRGR, BRG Berggiesshubel, BRG Berggiesshubel, etc.

2018 APR

Main table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC. Rows include KAN08 Anthony NE Sta, KAN09, KAN10 Anthony SW Sta, etc.

1290

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC. Rows include KHC Kasperske Hory, GERES GERE RR Array B, GERES, etc.

IDC 20 19:46:33.3e.1.2.52.62N:161.06E, h0km, mb3.9/14, ... NEIC 20 19:46:34.6e.2.52.62N:161.06E, h0km, mb4.1/16, ...

KRSC 20 19:46:35.8e.2.0.52.62N:161.14E, h2.2km, mb4.0/14, ...

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC. Rows include SPN Nlys Shipunski, SPN Malytchevo, DALK Dalny, etc.

Table with 4 columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MKAR, MAZ, BAKR, etc.

IDC 20:19:47:52.8-0.6, 26.70N, 142.53E, h0km, mb4.2/24, mbmp4.2/26, ML3.3/3, MS3.9/13, Error ellipse: s-maj=19.0km s-min=14.1km az=87.0

Table with 4 columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JHH2, CBJJ, etc.

Bonin Islands region
Code Station Name Az Phase ID Time Res

Table with 4 columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BSO3, JHU, etc.

Table with 4 columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MAJO, MJBS, etc.

Table with 4 columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H11S2, H11N1, etc.

Main table with 4 columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H11S2, KLR, HNS, etc.

Table with 4 columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GILL, BILIBINO, etc.

20d 19h

Table with columns: ILAR, Eielson Array, 57.82 29 P P, 19 57 45.5 0.0, ARSB, Arslanbob, 58.01 304 P P, 19 57 47.8 +0.4, KLU, Kutina, 58.04 32 P P, 19 57 47.1 +0.5, STKA, Stephens Creek, 58.34 181 P P, 19 57 49.4 0.0, STKA, Stephens Creek, 58.34 181 P P, 19 57 48.0 -1.4, PRP, Porcupine Dome, 58.45 28 P P, 19 57 49.4 -0.7, BVAR, Borovoye Array, 58.50 318 P P, 19 57 50.6 +0.1, D25K, Kavik River, 58.53 23 P P, 19 57 51.3 +0.8, BRVK, Borovoye, 58.56 318 P P, 19 57 50.5 -0.4, BRVK, Borovoye, 58.56 318 P P, 19 57 51.7 +0.8, DZA, Taraz, 58.98 306 eP, 19 57 52.8 -1.2, BMAR, Burnt Mountain, 59.08 25 P P, 19 57 54.0 +0.3, SCAR, Sand Creek, 59.03 30 P P, 19 57 53.9 -0.2, DRK, Karamyk, 59.22 302 P P, 19 57 56.0 -0.1, J26L, Joseph Creek, 59.23 29 P P, 19 57 56.1 +0.7, NIL, Nilore, 59.30 295 P P, 19 57 56.2 -0.1, KK31, Karatay Array, 59.54 306 P P, 19 57 57.8 -0.1, KKAR, Karatay Array, 59.54 306 P P, 19 57 57.8 -0.1, BCAR, Beaver Creek, 60.04 306 P P, 19 58 00.3 -0.4, BRLS, Borolday, 60.04 306 eP, 19 58 01.4 0.0, IUG, luzhnyay, 60.05 305 eP, 19 58 00.8 -0.7, CHM, Chiment, 60.34 305 eP, 19 58 02.3 -1.0, D27M, Malcolm River, 60.44 23 P P, 19 58 03.4 -0.2, I28M, Miner Creek, 60.78 28 P P, 19 58 07.0 +0.9, F28M, Old Crow, 60.80 25 P P, 19 58 07.3 +1.2, E28M, Babbage River, 60.94 24 P P, 19 58 08.6 +1.6, BCPM, Bancas Point, 61.15 34 P P, 19 58 09.7 +1.1, SIMJ, Simiganj, 61.51 301 P P, 19 58 11.8 +0.3, SIMJ, Simiganj, 61.51 301 P P, 19 58 12.5 +0.9, G29M, Pine Creek, 61.53 26 P P, 19 58 12.4 +1.4, E29M, Blow River, 61.54 24 P P, 19 58 12.2 +1.1, K29M, Barlow Dome, 61.89 30 P P, 19 58 14.2 +0.5, EPYK, Eagle Plains, 62.07 27 P P, 19 58 14.7 0.0, G30M, Taoh Zrail Niji, 62.23 26 P P, 19 58 16.4 +0.6, I30M, Mount Dempster, 62.28 28 P P, 19 58 16.7 +0.4, KBL, Kabul, 62.47 297 P P, 19 58 17.4 -0.7, G31M, Satah River, 63.00 26 P P, 19 58 20.9 +0.1, H31M, Peel River, 63.08 27 P P, 19 58 21.9 +0.5, F31M, Tsigichtchic, 63.16 25 P P, 19 58 22.6 +0.7, INK, Inuvik, 63.17 24 P P, 19 58 22.8 +0.9, INK, Inuvik, 63.17 24 P P, 19 58 23.2 +1.3, ARU, Art, 64.88 322 P P, 19 58 33.7 +0.4, ARU, Arti, 64.88 322 P P, 19 58 33.7 +0.4, ARU, Sachs Harbour, 64.88 322 P P, 19 58 34.2 +0.9, WRAK, Wrangell Island, 65.47 37 P P, 19 58 36.0 -1.1, ABKAR, Akbulak array, 65.55 314 P P, 19 58 37.2 -0.7, HRA, Herat, 67.90 298 P P, 19 58 53.3 -0.2, WRGLY, Wrigley, 68.19 29 P P, 19 58 54.4 0.0, GEYT, Alibeck, 69.95 303 P P, 19 59 05.5 -0.4, GEYT, Alibeck, 69.95 303 P P, 19 59 06.3 +0.5, GYA0B, ALIBECK ARRAY, 69.95 303 P P, 19 59 05.4 -0.5, YKA, Yellowknife Ar, 72.25 28 P P, 19 59 20.4 +1.1, RES, Resolute Bay, 72.28 14 LR LR, 20 34 17.5, ARCES, ARCESS Array B, 73.94 341 P P, 19 59 30.3 +1.2, ARCES, ARCESS Array B, 73.94 341 P P, 19 59 30.0 +0.9, JOF, Joensuu, 75.51 334 eP P, 19 59 38.7 +0.5, YBH, Yreka Blue Hor, 75.59 50 P P, 19 59 42.2 +0.6, PINE, Pine Mountain, 76.35 48 P P, 19 59 44.0 +0.2, J05D, Fort Rock, OR, 76.36 48 P P, 19 59 43.6 -0.2, K05A, Summer Lake, 76.82 49 P P, 19 59 46.0 -0.4, G08A, Pilot Rock, 77.02 46 P P, 19 59 49.0 +1.5, J08A, Circle Bar Fan, 78.16 47 P P, 19 59 53.4 -0.4, BMO, Blue Mountains, 78.27 46 P P, 19 59 53.6 -0.8, FINES, FINESS Array B, 78.37 334 P P, 19 59 54.2 -0.2, FINES, FINESS Array B, 78.37 334 P P, 19 59 55.4 +1.0, KEF, Keurui, 78.42 335 eP P, 19 59 54.5 -0.2, WVOR, Wild Horse Val, 78.45 48 P P, 19 59 54.6 -0.9, KBZ, Khabaz, 78.47 313 P P, 19 59 56.5 +1.2, KBZ, Keurui, 78.47 313 LR LR, 20 37 19.8

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Table with columns: KIV, Kislovodsk, 78.50 313 P P, 19 59 54.9 -0.8, KIV, Kislovodsk, 78.50 313 P P, 19 59 56.2 +0.5, QNI, Oni, 78.60 312 P P, 19 59 54.9 -1.2, MDPB, Devils Postpil, 80.24 53 P P, 20 00 05.8 +0.3, GMIN, Geyser Mountain, 80.31 51 P P, 20 00 05.0 -0.7, KVN, Kaiserville, 80.31 51 P P, 20 01 00.5, HLID, Halley, 80.71 46 P P, 20 00 07.4 -0.4, CROU, Groyamak-BITLI, 81.37 329 P P, 20 00 12.0 +0.7, FFC, Flin Flon, 81.82 32 P P, 20 00 14.2 +1.0, PABE, Paberze, 82.81 330 eP P, 20 00 18.5 +0.2, AKASG, Malin Array Be, 83.07 324 P P, 20 00 19.7 -0.1, AKKB, Malin Array Si, 83.07 324 P P, 20 00 19.0 -0.8, AK01, Malin Array Si, 83.08 324 P P, 20 00 19.7 -0.1, KIEV, Kiev, 83.08 324 P P, 20 00 19.1 -0.7, AK04, Malin Array Si, 83.08 324 P P, 20 00 19.7 -0.1, ARPH, Agapir-MALATY, 83.66 311 P P, 20 00 20.1 +0.2, HRFH, Hagfors, 83.84 337 P P, 20 00 23.9 +0.3, NB2, NORSTAR Subarra, 84.02 338 P P, 20 00 24.9 +0.4, NOA, NORSTAR Ray B, 84.02 338 P P, 20 00 24.9 +0.4, SUW, Suwalki, 84.09 329 P P, 20 00 25.1 +0.1, SUW, Suwalki, 84.09 329 eP P, 20 00 25.4 +0.4, PDAR, Pinedale Array, 84.19 45 P P, 20 00 26.8 +0.8, LUBAR, Luba, 84.28 324 P P, 20 00 26.8 +0.8, SRU, San Rafael Swe, 85.45 48 P P, 20 00 32.5 +0.1, RAYN, Ar Rayn, 85.57 294 P P, 20 00 33.3 +0.2, KMPD, K-Podol'skiy, 85.78 323 P P, 20 00 33.3 -0.2, SFJD, Kangerlussuaq, 85.98 5 LR LR, 20 02 53.5, BR131, Keskin Array S, 86.46 313 P P, 20 00 38.4 +1.1, BR131, Keskin Array B, 86.46 313 P P, 20 00 38.1 +0.8, BR131, Keskin Array B, 86.46 313 P P, 20 00 38.8 +1.5, KWP, Kalwarpa Pača, 87.07 326 P P, 20 00 41.0 +1.1, PHWY, Pilot Hill, 87.55 44 P P, 20 00 41.5 -1.3, VYHS, Vyhne, 89.74 326 eP P, 20 00 54.1 +1.5, CLL, Collin, 90.48 331 P P, 20 00 56.4 +0.4, GERES, GERESS Array B, 91.95 329 P P, 20 01 03.0 +0.1, LPIG, La Paz, 93.35 61 LR LR, 20 39 37.5, LVC, Limon Verde, 151.14 89 PKPbc PKIPK, 20 07 49.6 +0.7

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Table with columns: WMOK, Wichita Mounta, 2.40 203 Pn Pn, 19 50 29.3 +1.2, X37A, Clayton, 2.98 141 Pn Pn, 19 50 37.4 +1.2, HHAR, Hobbs, 3.04 102 Pn Pn, 19 50 35.7 -1.3, S39A, Bolivar, 3.51 76 Pn Pn, 19 50 41.1 -2.3, S39A, Bolivar, 3.51 76 IAMB\_Lg, 19 51 45.9, N33A, J Bar K, Whette, 3.79 2 Pn Pn, 19 50 47.3 0.0, FW03, Perrin-Whitt E, 3.91 185 IAMB\_Lg, 19 51 54.9, MIAR, Mountain Grove, 4.07 125 Pn Pn, 19 50 51.0 -0.2, MGMO, Mountain Grove, 4.29 86 Pn Pn, 19 50 53.2 -0.9, R40A, Maddies Statio, 4.46 71 Pn Pn, 19 50 54.8 -1.7, WHAR, Woody Hollow, 4.62 109 Pn Pn, 19 50 58.1 -0.7, L34A, Svendsen Farm, 5.11 11 IAMB\_Lg, 19 52 34.0, SUIAC, Southern Illin, 6.25 81 IAMB\_Lg, 19 53 40.5, 146A, Union, 6.74 119 IAMB\_Lg, 19 54 04.3, NEIC 20 19:53:33.8.0.8.36:938N.0:008.97:637W.0:0109, h5km, 1km, Error ellipse: s-maj=2.3km s-min=1.6km az=83.0, TUL 20 19:53:34.1.0.8.36:939N.0:009.97:62W.0:011, h5km, 1km, ML3.1, mb\_Lg2.7/31(NEIC), ML2.9/58(NEIC), Error ellipse: s-maj=1.3km s-min=1.2km az=160.0, Oklahoma, Code Station Name Δ° AZ° Phase ID Time Res, KAN13 South Haven SW 0.14 58 Op Pg ISC, KAN13 IAML, 19 53 37.7 +0.9, KAN17 Caldwell West 0.15 313 Sg Pg, KAN17 IAML, 19 53 40.0 +0.8, KAN09 Caldwell North 0.20 1 Pg Sg, KAN09 IAML, 19 53 38.5 +0.5, GC02 Grant County # 0.21 245 Pg Sg, GC02 IAML, 19 53 37.5 -0.7, KAN01 Argonia South 0.24 333 Sg Pg, KAN01 IAML, 19 53 39.2 +0.6, KAN05 Bluff City N 0.26 310 Pg Pg, KAN05 IAML, 19 53 39.5 +0.3, KAN05 Bluff City N 0.26 310 Pg Sg, KAN05 IAML, 19 53 43.4 +0.8, KAN05 Argonia West S 0.36 329 Sg IAML, 19 53 45.2, KAN14 Manchester Ok 0.27 274 Sg Pg, KAN14 IAML, 19 53 39.2 -0.2, KS21 Milan North St 0.35 355 Sg IAML, 19 53 46.3 +0.6, KS21 Milan North St 0.35 355 Pg Sg, 19 53 41.0 +0.1, KS21 Argonia West S 0.36 329 Pg Sg, 19 53 46.2 +0.7, KAN06 Argonia West S 0.36 329 Sg IAML, 19 53 45.9 +0.2, BLOK Blackwell 0.37 118 Sg Pg, BLOK IAML, 19 53 41.7 +0.4, BLOK Blackwell 0.37 118 Sg IAML, 19 53 46.6 +0.4, KAN08 Anthony Ne Sta 0.40 316 Pg Sg, KAN08 IAML, 19 53 42.8 +0.5, KAN08 Harper Ne Sta 0.47 320 Sg Pg, 19 53 49.7, OK032 Salt Plains WL 0.49 254 Sg Pg, OK032 IAML, 19 53 43.7 +0.2, CROK Carrier 0.52 214 Pg Pg, CROK IAML, 19 53 43.7 -0.4, OK048 Pawnee Station 0.76 134 Sg Pg, OK048 IAML, 19 53 48.6 0.0, OK051 E0350 and S346 0.77 124 IAML, 19 53 48.6 -0.2, OK051 Sooner Cattle 0.89 91 Pg Sg, 19 54 03.2, OK035 E0210 Rd and N 0.90 255 Pg Pg, OK035 IAML, 19 53 11.0 -0.4, OK035 West end E0370 1.01 243 Sg Pg, 19 54 06.6 -0.9, OK033 Mehan 1.05 148 IAML, 19 54 09.5, OK032 Quay 1.06 136 Pg Pg, OK032 IAML, 19 53 54.2 -0.3, OK029 Liberty Lake 1.15 173 Pg Pg, OK029 IAML, 19 53 55.7 -0.4, OK052 Battle Ridge R 1.15 145 Sg Sg, 19 54 11.1 0.0, OK052 Battle Ridge R 1.15 145 Sg IAML, 19 54 15.5, OK031 S. Brethren Rd 1.17 147 Pn Pn, 19 54 11.9 +0.2, DEOK Depew 1.42 140 Pn Sb, 19 54 00.4 -0.2, CSTR Hydro, Custer 1.55 214 Pn Pn, 19 54 02.2 -0.2, R02A Frankin 1.69 174 Pn Pn, 19 54 02.4 -0.1, TUL3 Long Quarter, Leonard 1.71 330 Pn Pn, 19 54 05.4 +0.7, RLO Rose Lookout 2.23 109 Pn Pn, 19 54 12.8 +1.0, KS1U Kansas State U 2.30 20 Pn Pn, 19 54 14.2 +0.2, CBKS Cedar Bluffs 2.51 310 Pn Pn, 19 54 16.5 +0.9, U38A Gravette 2.65 109 Pn Pn, 19 54 18.8 +1.3, LOOK Love County 2.96 173 Pn Pn, 19 54 22.4 +0.6, X37A Clayton 2.98 141 IAMB\_Lg, 19 54 22.7 +0.8, HHAR Hobbs 3.04 101 Pn Pn, 19 54 24.4 +1.6, WFTS Wichita Falls 3.24 192 Pn Pn, 19 54 26.4 +0.8, S39A Bolivar 3.51 76 Pn Pn, 19 54 29.6 +0.3, MIAR Amarillo 3.88 239 Pn Pn, 19 54 34.7 +0.2, MIAR Mountain Grove 4.07 125 Pn Pn, 19 54 38.1 +1.1, RTBA Rita Blanca 4.14 265 Pn Pn, 19 54 38.6 +0.5, APMT Aspermont 4.15 210 Pn Pn, 19 54 38.5 +0.4, PLPT Palo Pinto 4.16 188 Pn Pn, 19 54 38.7 +0.5, P39A Dawn 4.19 49 Pn Pn, 19 54 40.2 +1.6, OKNS Dickens 4.24 221 Pn Pn, 19 54 39.0 0.0, MGMO Mountain Grove 4.29 86 Pn Pn, 19 54 41.0 +1.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like TREL Terrell, MADDIES Statio, KAYE Shedlock, etc.

1293 20:02:26.2-0.8, 6:06S, 142:58E, h0km, mb3.8/10, mbtmp3.9/12, ML1.7/1, Error ellipse: s-maj=37.3km s-min=18.1km az=85.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like PMG Port Moresby, WRA Warramunga Arr, ASAR Alice Springs, etc.

1293 20:02:59.6-1.9, 43:80N, 105:53W, h0km, mb3.9/4, mbtmp3.9/6, ML3.7/2, Error ellipse: s-maj=58.6km s-min=17.7km az=149.0

NEIC 20:02:59.4-1.2, 43:72N, 105:105:29W, 0.08, h0km, 1km, ML3.3/7.6, Error ellipse: s-maj=10.0km s-min=8.4km az=81.0

ISC 20:02:59.4-0.8, 43:74N, 106:105:26W, 0.06, h0km, n58, s=155/59, mb3.9/4, Wyoming

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like RSSD Black Hills, K22A Casper, PHWY Pilot Hill, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like IMW Indian Meadow, TPW Teton Pass, YHH Holmes Hill, etc.

2018 APR 20:07:06.1-0.5, 36:938N, 0:009-97:62W, 0.01, h5km, 1km, Error ellipse: s-maj=1.4km s-min=1.2km az=19.0

TUL 20:07:06.3-0.5, 36:949N, 0:006-97:62W, 0.01, h7km, 3km, ML2.5, mb Lg2.3/7(NEIC), ML2.4/52(NEIC), Error ellipse: s-maj=1.6km s-min=0.3km az=54.0, Oklahoma

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like KAN13 South Haven SW, KAN17 Caldwell West, etc.

NEIC 20:07:06.1-0.5, 36:938N, 0:009-97:62W, 0.01, h5km, 1km, Error ellipse: s-maj=1.4km s-min=1.2km az=19.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like KAN13 South Haven SW, KAN17 Caldwell West, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like QUOK Quay, OK052 Battle Ridge R, ADOK Arcadia Dam, etc.

20d 20h 20:07:26.3-0.5, 20:07:46.7, 20:07:48.1, 20:07:27.2-1.2, 20:07:47.4, 20:07:48.5, 20:07:30.6-0.4, 20:07:33.1-0.1, 20:07:51.5, 20:07:36.8+0.5, 20:07:36.4 0.0, 20:07:36.5-0.1, 20:07:37.8+0.1, 20:08:06.3, 20:07:40.0+1.1, 20:07:47.1+0.2, 20:08:15.2, 20:07:45.5-0.4, 20:07:47.8+0.3, 20:07:53.6-0.2, 20:07:53.7-0.2, 20:08:01.1 0.0, 20:09:07.7, 20:08:13.6-0.6, 20:09:27.7, 20:08:13.5-2.1, 20:09:40.9, 20:08:14.9-1.6

IDC 20:11:07:8-2.5, 18:90S, 169:29E, h218km, 22km, mb3.5/8, mbtmp4.0/9, Error ellipse: s-maj=29.7km s-min=21.4km az=119.0

NEIC 20:11:07:6-2.6, 19:00S, 0:10:169:4E, 0.1, h218km, 5km, mb4.3/1.7, Error ellipse: s-maj=17.6km s-min=12.0km az=125.0

ISC 20:11:05:5-0.7, 18:91S, 0:08:169:4E, 0.1, h200km, n36, s=144/41, mb2.4/15, Vanuatu Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like LIFNC LIFOU, MARNC Mare, Loyalty, etc.

IDC 20:17:20:5-2.0, 5:46S, 151:79E, h64km, 15km, mb3.4/4, mbtmp3.7/5, MS3.2/1, Error ellipse: s-maj=47.3km s-min=11.3km az=121.0

ISC 20:17:17:1-7.1, 6:5S, 0:1:152:1E, 0.2, h45km, n8, 08/85/9, mb3.6/4, New Britain region

20d 21h

mbmp3.7/4,ML3.2/1,Error ellipse: s-maj=41.4km s-min=32.0km az=173.0

NOU 20:20:35.51.2.20:13S:168.18E,h0km,MLV3.7/10,Loyalty Islands

ISC 20:20:35.54.8.1.6.20:3S:0.1x168.8E:0.1,h31km,n13, r1531/14,mb3.9/3,Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MARE, LIFOU, YATNC, etc.

ASAR Alice Springs 32.52 258 P P 20 42 24.1 +1.1

VNDA Vanda 57.41 182 P P 20 45 37.6 -2.3

EKA Eskdalemuir Ar 144.46 352 PKPbc PKPab 20 55 27.1 +1.1

IDC 20:20:36:29.8.3.1,34:57N:83:24E,h0km,mb3.0/3, mbtmp3.2/5,ML2.9/1,Error ellipse: s-maj=69.5km s-min=28.2km az=61.0,Xizang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MKAR, KURBB, BVAR, etc.

DJA 20:20:58:58.6:0.5,3:54x12:7E, h10km,ML2.8/4,MLV2.8/4

IDC 20:59:01.1.1.8,2:88S:127:55E,h0km,mb3.1/3, mbtmp3.1/4,ML3.1/1,Error ellipse: s-maj=158.2km s-min=25.3km az=67.0

ISC 20:58:58.4.1.1.2:78S:108:126E:0.1,h10km,n7, r0591/8,mb3.4/3,Ceram Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NLAI, SANI, LAMI, etc.

IDC 20:21:14:24.8:0.8,31:69N:104:23E,h0km,mb3.7/10, mbtmp3.7/11,ML3.2/1,Error ellipse: s-maj=38.6km s-min=15.5km az=55.0

ISC 20:21:14:25.0:0.8,31:68N:104:1E:0.2,h10km,n13, r1571/13,mb3.7/9,Sichuan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CMAR, SONM, KSRK, etc.

NEIC 20:21:28:01.4:2.8,45:70N:0:04:106:94W:0.05,h0km,1km, ML2.7/28,Error ellipse: s-maj=9.2km s-min=2.4km az=138.0

IDC 20:21:28:02.5:1.7,45:32N:106:53W,h0km,mbtmp2.8/2, ML2.3/2,Error ellipse: s-maj=70.1km s-min=10.0km az=136.0

ISC 20:21:28:01.6:0.9,45:82N:0:05:107:11W:0:04,h0km,n23, r1555/24,Montana

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like LAO, RLMT, GCMT, etc.

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Table with columns: EGMT, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Eagleton, Flagg Ranch, Bozeman (W), etc.

TAP 20:21:35:42.1,24:05N:121:66E,h8km,ML2.8,C JMA 20:21:35:42.0:0.2,24:0N:0:4:12:2E, h0km,TAIWAN REGIONS

ISC 20:21:35:42.2:0.8,24:05N:0:01:121:67E:0:02,h8km,5km, n114,r0971/219,1C-9D,Taiwan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TWD, HWA, ETL, etc.

1294

Table with columns: TWC, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Suao, Dongshan, Ruisui, etc.



1295

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like WCHH Zhanghua, WFSB Wu-fen Shan, TWS1 Kuangyinshan, etc.

TAP 20 21:36:01.1, 23°93'N, 122°39'E, h47km, ML2.7, C
JMA 20 21:36:02.1, 0.2, 24°N, 122°45'E, 0.7, h80km, 1km,
MV1.6/9, NW OFF ISHIGAKIJIMA IS
ISC 20 21:36:00.9, 1.3, 23.86°N, 0.03, 122.40°E, 0.2, h33km, 7km,
n57, c0568/107, Taiwan region

2018 APR

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like TEYL Yanliu Villag, EAHA Aohua, TWD Chiawan, etc.

20d 22h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like TYC Yuchir, ELDTW Lidau, JHJC Hachijojimakas, etc.



Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like ARSB, AAK, GAR, TDK, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like HRA, SEM, IRK, JNU, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like DMTO, BATI, SOEI, etc.



Table of race results for 1299, listing various horse names, jockeys, and times.

Table of race results for 2018 APR, listing various horse names, jockeys, and times.

Table of race results for 20d 22h, listing various horse names, jockeys, and times.

20d 22h

Table with columns for station ID, name, elevation, and coordinates. Includes stations like WACR West Ace, G17K Kiwalik Mouna, F18K Selawik, etc.

2018 APR

Table with columns for station ID, name, elevation, and coordinates. Includes stations like L17K Donlin, H20K Antonteeega Mo, LAWE Loch Awe, etc.

1300

Table with columns for station ID, name, elevation, and coordinates. Includes stations like E25K Arctic Village, CAST Castle Rocks, CAST Castle Rocks, etc.



Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res. Includes stations like MSTX Muleshoe, WMOK Wichita Mouna, TZTN Tazewell, etc.

LJU 20 22:37:52.1,0.7,46:39N;15:07E,h0km,ML1.2,Confirmed Rockburst
VIE 20 22:37:52.0,0.2,46:38N;15:10E,h0km,mb1.1/2,m1.4/3,1D,Error ellipse: s-maj=1.6km s-min=1.1km az=16.0, Suspected Mining induced, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res. Includes stations like ZAVS Zavodnje, SOKA Soboht, SOKA Soka, etc.

NOU 20 22:39:35.7,34:34S;178:20W,h125km,mb5.0/14, South of Kermadec Islands
NEIC 20 22:39:52.6,2.5,35:1S;0:179:77W;0:04,h35km,2km,mb4.5/13,Error ellipse: s-maj=19.1km s-min=6.2km az=184.0

WEL 20 22:39:52.1,0.6,35:5S;18:0W;1.1,h33km,MS,0/26, ML5.3/27,MLv5.0/26,Error ellipse: s-maj=0.0km s-min=0.0km az=111.1,confirmed
IDC 20 22:39:54.1,1.9,34:85S;179:94W,h43km,16km,mb4.1/7,mbmp4.4/8,ML4.9/2,MS3.7/2,Error ellipse: s-maj=26.1km s-min=11.1km az=111.0

ISC 20 22:39:53.1,0.6,34:96S;0:05:179:64W;0:09,h43km,n123,r163/117,mb4.4/14,3C,South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res. Includes stations like MXZ Matakaoa Point, HAZ HAZ, PUZ Puketiti, etc.

Main table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res. Includes stations like RTZ Ruatuhuna, RRRZ Republican Roa, RNKZ Kokohu, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res. Includes stations like Honshu TONANKAI O.B.S, TTO4 TONANKAI O.B.S, TTA0 TONANKAI O.B.S, etc.

MDD 20 22:51:59.3,1.1,37:58N;2:10E,h12km,Mb3.6/9, M\_mb2.9/9,7C,Error ellipse: s-maj=9.7km s-min=5.5km az=157.0,Western Mediterranean Sea

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res. Includes stations like EIBI Ibiza, EIBI Ibiza, EIBI Ibiza, etc.

IDC 20 23:16:34.1,0.6,9:38S;156:21E,h0km,mb4.1/16,mbmp4.1/19,ML1.9/1,MS3.5/22,Error ellipse: s-maj=18.7km s-min=16.1km az=115.0, NEIC 20 23:16:36.4,1.4,9:36S;0:06:155:98E;0:10,h10km,1km,mb4.7/9,Error ellipse: s-maj=17.0km s-min=9.6km az=111.0

ISC 20 23:16:39.0,0.3,9:43S;0:07:156:10E;0:06,h35km,n142,r1519/131,mb4.7/67,MS3.4/20,1C,Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res. Includes stations like HNR Honiara, HNR Honiara, HNR Honiara, etc.



Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like DZM, MARNC, PINNC, TARA, MSVF, WR0, WRAB, WB2, WRA, WFR, FAKI, GUMO, AS31, ASAR, STKA, CAN, TOO, BBOO, FITZ, BATI, HIH, FOR, LUWI, DAV, PSA00, MBWA, JAGI, TGY, JNU, MJAR, PPT, KRSR, NJ2, ASAJ, USRK, MDJ, MDJ, GSH, ENH, HNS, KLR, CRAI, PETK, PETK, CMAR, PZH, PZH, SHEM, CD2, XLT, XLT, XLT, HIA, LZH, LZH, MA2, MA2, MA2, GTA, GTA, SHL, SHL, SONM, SONM, LSA, LSA, YAK, M13K, PALK, BILL, BILL.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like QSPA, BRLL, L19K, F17K, G19K, TIXI, TIXI, TIXI, TIXI, NEA2, NEA2, ILAR, ILAR, B20K, B20K, D22K, D22K, SCRR, M27K, M27K, MK31, MKAR, MKAR, G24K, G24K, PRP, PRP, F24K, F24K, TOLK, TOLK, ZALV, ZALV, C29K, D24K, D24K, EGAK, EGAK, BMAR, TARG, TARG, D25K, D25K, G27K, G27K, J29N, K29M, K29M, KMPM, KSH, KSH, E27K, I00M, I00M, KURK, DBO, DBO, EPYK, EPYK, E28M, E28M, C03A, CBB, E29M, E29M, AAK, ARSB, PINE, DRK, DRK, ISA, ISA, YERR, NVAR, NVAR, NV11, NV11, BELA, BELA, KVN, KVN, KVVN, GMP, GMP, PFO, PFO, KK31, KK31, KKAR, KKAR, D08A, D08A, E09A, E09A, R11B, SHRP, BVAR, ELK, Q12A, Q12A, W13A, YKA, YKA, GERS, GERS, ESDC, BDFB, BDFB, TORD, TORD, TORD, TORD, XOR, XOR, XOR, XOR.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like ASAR, WRA, GSPA, SNA, TXAR, KURB, BVAR, FINES, HFS, AKSG, MMAL, BRTR, KRV, DZM, WRA, ASAR, STKA, BUI, NAO, BEO, ISK, IDC, m1m4, MOS, SOF, BGS, ATH, MED, NEIC, GCMT, AFAD, MCM, TIR, PAIG, PAIG, OUR, OUR, OUR, OUR, OUR, XOR, XOR, XOR, XOR.

21d 0h

Table with columns: ID, Name, Value, Unit, and other parameters. Includes entries like NEO Neokhori, HORT Hortiatis, SOH Sokhos, etc.

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Table with columns: KODZ, Name, Value, Unit, and other parameters. Includes entries like KODZ Kurdzhalii, PRK Paraskevi, STIP Stip, etc.

1304

Table with columns: EMET, Name, Value, Unit, and other parameters. Includes entries like EMET Khatya-Emet, CHAN Chania, CEME Cevo, etc.

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like A052A Srbac, TESR Tescani, BIR Birlad, ANTO Ankara, etc.

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like MORS Morshin, ALU Alushta, ALU Alushta, etc.

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like RNPP9 Sopachiv, SOTA Sankt Quirin, DQC Dobruska-Polom, etc.

21d 0h

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1306

Table with columns: Country, Name, Time, Az, El, AzEl, P, S, Sn, Pn, Pmax, MLR, LRM, etc. Includes entries for MNK, MNK, MNI, etc.

Table with columns: Country, Name, Time, Az, El, AzEl, P, S, Sn, Pn, Pmax, MLR, LRM, etc. Includes entries for BELG, BELG, UCM, etc.

Table with columns: Country, Name, Time, Az, El, AzEl, P, S, Sn, Pn, Pmax, MLR, LRM, etc. Includes entries for PBEJ, PBEJ, RAYN, etc.

1307

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like CHGR Chuyangaron, DMTO DMTO, JLJN Shalim, etc.

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Table with columns for station code, name, frequency, power, and other technical details. Includes stations like ILULI Ilulissat, NEEM North Greenland, HUNY Eureka, etc.

21d Oh

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like ZEA Zeya, A36M Sachs Harbour, A36M Sachs Harbour, etc.

21d 0h

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1308

Table with columns for station ID, name, frequency, power, and signal quality. The table is organized into two main columns of data, with station details on the left and signal metrics on the right. Station names include 'Babbage River', 'Happy Valley', 'Blow River', 'Rialchuelo', 'Lehigh Unions', 'Toolik Lake Re', 'Coleen River', 'Barrier River', 'Magadan', 'Greenwood', 'Toolik Lake Re', 'Coleen River', 'Etiwuk River', 'Utukok River', 'Cascavel-CE', 'DeLong Mountai', 'Sunshine Farm', 'Kuna River', 'Lisburne Hills', 'Sunbury', 'Arctic Village', 'Sutherland', 'Old Crow', 'West Valley, N', 'Nigu River', 'Satah River', 'Your Creek', 'Anaktuvuk Pass', 'Chandler', 'Red Dog Mine', 'Sheenjek River', 'tAoh Zraii Nji', 'Christian Rive', 'Noatak River', 'Yellowknife Ar', 'Yellowknife Ar', 'Pine Creek', 'Squaw Lake', 'Mudanjiang', 'Standing Stone', 'Standing Stone', 'Saidway', 'John River', 'Soldier's Deli', 'Tukpahleark C', 'Redstone River', 'Eagle Plains', 'Doyon Strip', 'Porcupine Rive', 'Erie', 'Coldfoot', 'Alatna River', 'Hotham Inlet', 'Peel River', 'Whitestone', 'Bearnan Lake', 'Avaraart Lake', 'SURA', 'Bettles', and 'Hadweenciz Riv'. The right column contains numerical values for various metrics like 'COWI', 'Conover', 'Dawson', 'Barlow Dome', 'Coxs Mills', 'Whipple', 'Galena City Sc', 'Neena', 'Elim', 'Wood River Hil', 'Harding Lake', 'Lac du Bonnet', 'Chicken', 'Sheldon Lake', 'Wardswest, Lux', 'Corning', 'Gambell', 'Sand Creek', 'Alum Creek Sta', 'Cliffs of the', 'Bob, Littlefor', 'Wonju Array Si', 'Bear Paw Mtn.', 'Columbus Grove', 'Donnelly Dome', 'Independent Ri', 'L29M', 'L29M', 'Korea Array', 'Rib Lake', 'Montagnes des', 'The Farm, Brul', 'Hyland Airport', 'Bidwell', 'Poorman', 'Blacksburg', 'Unalakleet', 'Lake Minchumini', 'St. Eustasius', 'Rib Lake', 'High Level', 'Kulim', 'Taojin', 'Minto, Yukon', 'Drury Creek, Y', 'Eue Claire', 'Beaver Creek', 'Covington', 'Kotanelee Ar', 'Draeger Farm', 'Thorfare Moun', 'Log Cabin Wild', 'Castle Rocks', 'Castle Rocks', 'Innoko River', 'King', 'Somme Creek', 'Mentasta', 'Peebles', 'Anvik River', 'Paxson', 'Denali Highway', 'Agassiz Nation', 'Agassiz Nation', and 'Agassiz Nation'. The table uses various symbols like 'P', 'I', 'A', 'M', 'LR', 'pmax' to denote different types of signals or conditions.

1309

Table with columns: ID, Name, Date, Time, Status, Location, etc. Includes entries like O48B Farmland, O48B Farmland, O48B Farmland, etc.

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Table with columns: ID, Name, Date, Time, Status, Location, etc. Includes entries like T50A Nancy, WCI Wyandotte Cave, WCI Wyandotte Cave, etc.

21d 0h

Table with columns: ID, Name, Date, Time, Status, Location, etc. Includes entries like WVT Petersburg, Q20K Shuyak Island, FVM French Village, etc.

21d Oh

Table with columns: BOZ, MIAR, YMP, CBKS, UNV, NPG8, TUL3, K22A, K22A, YNR, YNH, LKWW, LKWW, C09A, C09A, WLAR, KSM, KSM, OK048, QLMT, H17A, H17A, BDFB, BDFB, QUOK, YFT, DEOK, OK052, OK052, OK033, OK033, OK031, FLWY, NIKH, PHWY, BRIGG, CROK, CROK, X37A, MCMT, IMW, IMW, MOOH, LOHW, OK029, FXWY, FXWY, RWWY, KSCO, KSCO, W35A, W35A, TPAW, N23A, E09A, BW06, PD31, PDAR, PDAR, F10A, F10A, SDV, SDV, SDV, MACA, MACA, Z38A, GNV, GNV, PLID, HAWA, HAWA, AHID, ISCO, ISCO, ISCO, LOOK, LOOK, BMO, BMO, BMO, Q24A, Q24A, Q24A, NATX, HLID, WMOK, WMOK, WMOK, WMOK, Z35A, Z35A

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Table with columns: O20A, HWUT, ARAG, RDMU, SMCID, MFID, HVU, HVU, T25A, T25A, SDCO, SDCO, SDCO, BSUT, BSUT, PLPT, I07A, WHTX, WHTX, AMTX, PARB, P18A, P18A, H04A, H04A, APMT, APMT, BB19B, MPU, PV22, PV15, HKT, HKT, PV21, PV17A, PINE, PV04, ABTX, ABTX, PV12, NLU, PV01, PV11, PV14, PV20, PV16, PV10, PV03, PV19, SRU, SRU, SRU, SRU, PV17, PV18, DUG, DUG, DUG, DUG, PV13, PV13, TEF, TMUT, BUCK, 435B, 435B, PV05, PV05, WVOR, WVOR, J05D, Q16A, Q16A, MXT, ELK, ELK, BRDY, RUSC, RUSC, SPB, SPB, SPB, MVCO, MVCO, MVCO, HMU, HMU, MSU, MSU, MVU, TCRU, TCRU, BMN, BMN, BMN, ANMO, ANMO, ANMO, ANMO, ANMO, ANMO

1310

Table with columns: MTPU, MTPU, JCT, JCT, JCT, JCT, SPR3, SPR3, Q12A, Q12A, PSUT, OZNA, HNDO, HNDO, PKCU, PKCU, ROSC, ROSC, ROSC, YBH, YBH, BNM, CCUT, GD2, R11B, KNB, KNB, KNB, KVB, KVB, KVB, PECS, PECS, SAND, SAND, WUAZ, WUAZ, WUAZ, PTBL, PTBL, YERR, YERR, MPK, MPK, RYN, MNTX, MNTX, NVAR, NVAR, NVAR, ALPN, ALPN, LHV, LHV, X16A, X16A, GRAC, GRAC, MLAC, MLAC, TXAR, TXAR, V12A, V12A, DUNB, DUNB, GIV, GIV, CWC, TUQ, MPMC, PDMCI, TUC, TUC, TUC, TUC, GMRC, 319A, 319A, GSC, HEC, IRM, ISA, VES, BELC, EDW2, BC3, GLA, 214A, SMMC, BFSC, PFO, PFO



Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like TPFO Pinon Flats, OSKI Ostio Audit, PSM McPherson Peak, etc.

109C Camp Elliot, M 98.97 327 P P 00 33 45.2 -1.6
CIS Catalina Islan 99.06 329 P P 00 33 45.1 -2.1
WRA Warramunga Arr 118.13 99 PP 00 40 05.6 -3.2
ASAR Alice Springs 119.89 97 PKP PKPdf 00 38 55.5 -1.3

IDC 21 00:21:03.0 4.0, 6.1, 6.6N, 126.19E, h0km, mb4.2/17,
mbmp3.4/2.17, MS3.1/1, Error ellipse: s-maj=33.8km
s-min=13.7km az=73.0

NEIC 21 00:21:09.9 1.5, 1.64N, 0.04x126.30E, 0.06, h3hkm, 8km,
mb4.5/35, Error ellipse: s-maj=9.3km s-min=5.1km
az=105.0

DJA 21 00:21:09.0 0.4, 2.1N, 3x12.6E, h45km, 46km, M4.1/6,
MLv4.1/6

ISC 21 00:21:10.0 0.4, 1.67N, 0.04x126.32E, 0.07, h47km, n68,
e100.0/70, mb4.5/36, Northern Molucca Sea

Main table of station data for the left column, including stations like TMTI Ternate, LBTI Labuha, WBO Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like C18K Utukok River, SBA Scott Base, J18K Innoko River, etc.

BEO 21 00:30:15.8 0.0, 39.83N, 23.90E, h4km, 5km, ML3.0/6
SOF 21 00:30:15.5, 39.78N, 0.04x23.80E, 0.03, h18km, 7km,
MD3.7/3

IDC 21 00:30:16.9 1.7, 39.90N, 23.68E, h0km, mb3.8/4,
mbmp3.7/5, ML2.9/1, Error ellipse: s-maj=64.9km
s-min=26.2km az=148.0

ISK 21 00:30:17.3, 39.87N, 23.79E, h9km, ML3.5/6
THE 21 00:30:18.3, 39.95N, 23.76E, h10km, ML3.4/12, Error
ellipse: s-maj=0.9km s-min=0.4km az=293.0

ATH 21 00:30:18.6, 39.93N, 23.78E, h15km, 1km, ML3.4/9, Error
ellipse: s-maj=1.6km s-min=0.7km az=262.0

AFAD 21 00:30:26.0 0.0, 40.05N, 24.56E, h13km, 27km, ML2.8
ISC 21 00:30:17.9 0.8, 39.88N, 0.02x23.80E, 0.11km, 5km,
n119, e1541/162, mb3.6/4, 19C-15D, Aegean Sea

Main table of station data for the middle column, including stations like PAIG Paliouri, OUR Ouranopolis, XOR Xorichti, etc.

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

DION Dionisos Atsiki 1.81 177 P P 00 30 50.0 -0.9
ECON Economidis 1.82 239 P P 00 30 50.0 -1.3

BUHA Balikesir, Bur 2.55 98 P P 00 31 00.8 -1.6
BUHA Balikesir, Bur 2.55 98 P P 00 31 50.0

IZMD zmir-Dikili-Ohrid 2.58 109 P P 00 31 02.8 -1.5
OHR Ohrid 2.60 299 eP Pn 00 30 59.8 -0.1

BOSS Bosilegrad 2.80 339 eP Pn 00 31 00.5 +0.6
BOSS Bosilegrad 2.80 339 eP Pn 00 31 39.0 +2.7

BARS Barje 3.29 334 eP Pn 00 31 09.1 -0.3
BARS Barje 3.29 334 P Pn 00 31 48.4 -0.1

MPEP Malo Peshtene 3.47 359 P Pn 00 31 12.0 +0.2
ZAPS Zavojo 3.50 346 eP Pn 00 31 12.6 +0.3

VALD Valchedram 3.81 356 eP Pn 00 31 53.5 +0.3
BLBK Belogradchik 3.83 348 P Pn 00 31 17.0 +0.1

ZIMR Zmajevac 4.10 344 eP Pn 00 31 19.3 -1.2
GRUZ Gruz 4.20 286 P Pn 00 31 24.0 +0.2

TRUS Trudelj 5.02 331 eP Pn 00 31 31.7 -1.4
DIVR Divubare 5.08 327 eP Pn 00 31 33.2 -0.8

MDVR Moldovita 5.13 343 P Pn 00 31 36.0 +1.8
TIP Timpargrande 5.49 265 P Pn 00 31 42.8 +3.1

GZR Gura Zlata 5.56 353 P Pn 00 31 41.7 +1.1
LOT Lotru 5.56 360 P Pn 00 31 41.0 +0.3

VOIR Istria 5.63 9 P Pn 00 31 42.7 +1.1
MLR Muntele Rosu 5.82 15 P Pn 00 31 46.1 +1.9

NEHR Nehou 5.84 18 P Pn 00 31 46.6 +2.3
BZRS Buzias 5.95 345 P Pn 00 31 46.5 +0.6

SURS Surduc 5.90 349 P Pn 00 31 47.5 +1.0
TPGR Topolog 6.03 33 P Pn 00 31 49.8 +2.7

DEV Deva 6.03 354 P Pn 00 31 47.5 +0.5
CFR Carcaliu 6.18 30 P Pn 00 31 50.7 +1.7

DOPR Dopca 6.19 10 P Pn 00 31 50.8 +1.5
COVR Voineasa-Covas 6.21 16 P Pn 00 31 51.2 +1.7

GRBU Grubos 6.25 19 P Pn 00 31 52.4 +0.7
PLOR Ploiesti 6.32 18 P Pn 00 31 53.0 +2.3

BOBR Bosra 6.34 12 P Pn 00 31 51.7 +0.5
VRI Vrincoiaia 6.35 19 P Pn 00 31 53.0 +1.5

OZUR Ozur 6.38 13 P Pn 00 31 53.5 +1.7
TIUR Turia 6.38 14 P Pn 00 31 53.4 +1.6

SIJR Siria 6.46 33 P Pn 00 31 53.9 +1.4
VLDL Vladesti 6.74 26 P Pn 00 31 58.3 +1.6

MARR Marisel-Cluj 6.81 356 P Pn 00 31 59.4 +1.6
TESR Tescani 6.94 16 P Pn 00 32 01.5 +2.0

BRTR Keskin Array B 7.58 8 P Pn 00 32 11.1 +2.8
BURAR Bucovina Arra 7.80 7 P Pn 00 32 12.8 +1.5

PURM Purcari 7.98 32 P Pn 00 32 14.6 +0.8
TORD Torodi Arr. Bea 32.95 22 P Pn 00 36 53.1 +0.2

KURBB Kurchatov Arra 39.16 55 P P 00 37 46.7 +1.3
ONAJ Iwakimizuishi 1.39 283 P Pn 00 34 27.1 -0.1

JMA 21 00:34:03.8 0.4, 36.77N, 0.9-14.2E, h28km, MV3.2/32,
FAIR E OFF FUKUSHIMA PREF
IDC 21 00:34:07.0 2.5, 37.32N, 141.95E, h0km, mb3.4/3,
mbmp3.4/4, ML2.6/1, MS3.3/3, Error ellipse: s-maj=47.3km
s-min=36.2km az=51.0

ISC 21 00:34:01.5 1.5, 36.80N, 0.07x142.49E, 0.10, h9km, n28,
e1923/22, mb3.4/3, Off east coast of Honshu

Main table of station data for the right column, including stations like ONAJ Iwakimizuishi, JFO Fukushima, etc.

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1312

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Rows include KSRS Korea Array, H1122 WAKE ISLAND Hy 27.29 122 T, H1121 WAKE ISLAND Hy 27.30 122 T, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Rows include CEPE Semis' Perret, CESW Semis' Southwe, CEAP Semis' Anvil P, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Rows include NEO comp=N,29180um,0.5s, HORT Horiatiss, HORT Horiatiss, etc.

TEH 21 00:48:16.4, 34.46N, 45.80E, h8km, 70km, ML2.7
ISN 21 00:48:16.4, 0.6, 34.46N, 45.76E, h14km, 26km, ML2.7

ISN 21 00:48:16.5, 0.9, 34.48N, 45.81E, h10km, n10,
#0567/13, Iran-Iraq border region

ISN 21 00:48:16.5, 0.9, 34.48N, 45.81E, h10km, n10,
#0567/13, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Rows include KGS1 Ghaz-e-Shirin, IDHR Dehrash, IGHG Ghaleghazi, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Rows include O18K Koktuh Hills, N18K Kilae Creek, N19K, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Rows include NEO comp=N,29180um,0.5s, SOH Sokhos, SOH Sokhos, etc.

DNK 21 00:49:50.1, 1.1, 65.86N, 37.34W, h10km, 6km, ML2.8
IDC 21 00:49:50.0, 1.1, 65.80N, 37.67W, h0km, mb3.5/5,

ISN 21 00:49:50.0, 1.1, 65.80N, 37.67W, h0km, mb3.5/5,
mbtmp3.5/8, ML3.5/9, Error ellipse: s-maj=55.0km

ISN 21 00:49:50.0, 1.1, 65.80N, 37.67W, h0km, mb3.5/5,
mbtmp3.5/8, ML3.5/9, Error ellipse: s-maj=55.0km

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Rows include ANG5 Ammassalik, Gr, ANGG, ANGG, ANGG, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Rows include O19K KDAD, KDAX, BRLK, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Rows include NEO comp=N,29180um,0.5s, SOH Sokhos, THAS Thassos island, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Rows include ISOG isortuq, ICESG Greenland Ices, SOEG Soedalen, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Rows include D22K Ayikyak River, B21K Ikpikup River, B21K, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Rows include NEO comp=N,29180um,0.5s, LIT Litokhoron, LIT Litokhoron, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Rows include SFJD Kangerlussuaq, SFJD, SFJD, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Rows include D22K Ayikyak River, B21K Ikpikup River, B21K, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Rows include NEO comp=N,29180um,0.5s, LIA Limnos Island, LIA Limnos Island, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Rows include SFJD Kangerlussuaq, SFJD, SFJD, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Rows include D22K Ayikyak River, B21K Ikpikup River, B21K, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Rows include NEO comp=N,29180um,0.5s, LIA Limnos Island, LIA Limnos Island, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Rows include SFJD Kangerlussuaq, SFJD, SFJD, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Rows include D22K Ayikyak River, B21K Ikpikup River, B21K, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Rows include NEO comp=N,29180um,0.5s, LIA Limnos Island, LIA Limnos Island, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Rows include IDC 21 01:07:45.4, 19.0, 51.28N, 178.97W, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Rows include XOR Xorichti, XOR Xorichti, XOR Xorichti, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Rows include NEO comp=N,29180um,0.5s, MAKR Makrakomoti, MMB Musomishta, etc.





1315

Table with columns for station name, frequency, power, and signal strength. Includes stations like Xorichti, Neokhori, Thessaloniki, etc.

2018 APR

Table with columns for station name, frequency, power, and signal strength. Includes stations like Villia, Evrytania, RDO, etc.

21d 2h

Table with columns for station name, frequency, power, and signal strength. Includes stations like IGT, SKO, VTS, etc.

21d 4h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists various stations like PURM Purcari, SORM Soroca, CEY Cerknica, etc.

2018 APR

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like SALV Santo Antonio, RVDE Rio Verde, PTGB Pitanga, etc.

1316

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like AGG Agios Georgios, AGG Agios Georgios, AGG Agios Georgios, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Humberstone, Huaiquique, Diego Aracena, Punta Patache, etc.

HEL 21 04:03:10.5:0.1,67.65N,33.78E,h0km,ML1.2, Suspected explosion, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Lovozero, Vario, Oulanka, Finla, Raja-Jooseppi, etc.

SJA 21 04:08:47.1:0.8,22.75S,66.70W,h228km,5km,ML3.5, MW3.5,Jujuy Province

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Yavi, Limon Verde, San Lorenzo, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IPOC Station P, Chusmiza, Humberstone, etc.

ISN 21 04:12:28.1:0.4,34.63N,46.37E,h5km,4km,ML3.5 TEH 21 04:12:29.2,34.62N,46.35E,h7km,17km,ML3.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Dehrash, Galeghazi, Lien, etc.

ISN 21 04:46:51.0:1.1,3.00N,0.2:128.5E:0.4,h35km,n14, c065f7,mb4.06,North of Halmahera

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MKAR, KURBB, BVAR, TORO.

SJA 21 05:03:52.8:1.7,22.04S,68.48W,h100km,ML3.9,MW3.9

VAO 21 05:03:53.5:0.4,21.83S,68.57W,h103km,5km,mb4.1

GU 21 05:03:55.2:0.9,22.04S,68.60W,h100km,5km,ML4.0

ISN 21 05:03:54.0:0.5,22.03S,0.03:68.62W:0.04,h120km,4km,n130,r150/174,mb4.2,15,7C-1D,Northern Chile

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IPOC Station P, Limon Verde, San Pedro de A, etc.





Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like NONGKAI, CANBERRA, TOOLANGI, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like BNX, RPZ, TUWZ, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like M16K, KBZ, POGA, etc.

21d 7h

Table with columns: Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like Ochoal, San Rafael, Rio Macho, etc.

2018 APR

Table with columns: Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like Isla Barro Col, Kurbatov Arra, etc.

1320

Table with columns: Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like Haines Junctio, Steele Glacier, etc.

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like M29M, M29M, M29M, etc., and various other identifiers.

21d 7h

Table of station data for 21d 7h, including station codes (F30M, F31M, F31M, etc.), station names (Barrier River, Tsightehcic, etc.), coordinates, and various parameters like SNR and time.

Table of station data for 1322, including station codes (CMAR, GSPA, etc.), station names (Chiang Mai Arr, South Pole Lcu, etc.), coordinates, and various parameters like SNR and time.

Table of station data for 1322, including station codes (LC02, LR02, etc.), station names (Puerto Saavedr, Universidad Au, etc.), coordinates, and various parameters like SNR and time.

comp=Z,0.4nm,0.7s,baz=305,slow=4.3,SNR=5.1

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC, H, m, s, ISC. Includes entries for UCR, CATA, ISC, n109, and various station codes like ITAL, CPMI, RIFO, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC, H, m, s, ISC. Includes entries for EDPN, POTG, POTR, PLAN, etc.

VAO 21 07:52:43.8:0.6,27.345:69.34W,h10km,mb4.8
NEIC 21 07:52:53.7:27.305:69.06W,h89km
NEIC 21 07:52:54.2:27.295:69.05:69.11W:0.04,h98km,5km,mb4.6/43,Mwr4.6/37, Error ellipse: s-maj=7.3km

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC, H, m, s, ISC. Includes entries for AC02, AC01, AC06, AC05, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC, H, m, s, ISC. Includes entries for CYA, CCHO, CCHO, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC, H, m, s, ISC. Includes entries for APLL, PB10, CO06, IPOC, etc.













Table with columns: STA, Name, Az, El, P, M, R, S, T, W, X, Y, Z, and various numerical values. Includes stations like TTA, SWVZ, H19K, etc.

Table with columns: STA, Name, Az, El, P, M, R, S, T, W, X, Y, Z, and various numerical values. Includes stations like E22K, G22K, BPAW, etc.

Table with columns: STA, Name, Az, El, P, M, R, S, T, W, X, Y, Z, and various numerical values. Includes stations like ILAR, AAK, AAK, etc.

21d 9h

2018 APR

1330

Table with columns: Station, Name, Frequency, Power, Class, and other technical details. Includes stations like Miner Creek, Chitina Glacier, Beaver Creek, etc.

Table with columns: Station, Name, Frequency, Power, Class, and other technical details. Includes stations like Faro, Yukon, ARU, ARU, ARU, etc.

Table with columns: Station, Name, Frequency, Power, Class, and other technical details. Includes stations like KLMR, KLMR, YKA, YKA, YKA, etc.

Table with columns: Station Name, Frequency, Class, Power, Time, and other details. Includes stations like KIV Kislovodsk, MSFE Esma-Masafi, ARPS Mount Arapiles, etc.

Table with columns: Station Name, Frequency, Class, Power, Time, and other details. Includes stations like EGMT Eagleton, HLID Hailey, NBOOR Norsar Array S, etc.

Table with columns: Station Name, Frequency, Class, Power, Time, and other details. Includes stations like BR131 Keskin Array B, BRTR Keskin Array B, etc.

21d 9h

2018 APR

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like FTGT Flechtingen, PVCC Panska Ves, BRG Bergjesshubel, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like GRF Grafenberg, GRFO Grafenberg, ARSA Arzberg, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like HLM1 Long Mynd, SCHO Schefferville, SCHO Cedar Bluff, etc.

1333

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like Junction City, Lake Whitney, Ozark Folk Cen, etc.

2018 APR

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like Drain, OR, Willamette Mer Corvallis, etc.

21d 9h

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like Santa Barbara, Greenwater Val, etc.

ICC 21 09:50:07.1, 1.8, 44.08N, 128.48W, h0km, mb3.6/5, mbmp3.6/12, ML3.3/7, MS3.5/12, Error ellipse: s-maj=33.0km s-min=14.0km az=48.0 NEIC 21 09:50:08.3, 1.2, 44.01N, 0.07, 128.6V, 0.1, h10km, 1km, mb4.0/76, ML3.5/65, Error ellipse: s-maj=15.4km s-min=11.2km az=240.0 ISC 21 09:50:08.4, 0.8, 44.02N, 0.08, 128.58W, 0.07, h13km, n373, a0976/350, mb4.0/22, MS3.6/5, Off coast of Oregon

21d 9h

2018 APR

1334

Table with columns: Station ID, Name, Elevation, Azimuth, Range, Status, Date, Time, Azimuth, Range, Status, Date, Time. Includes stations like Haines Junction, Outpost Mounta, Braeburn, Yuko, etc.

Table with columns: Station ID, Name, Elevation, Azimuth, Range, Status, Date, Time, Azimuth, Range, Status, Date, Time. Includes stations like Denali Highway, Eagle, Courdus Mount, etc.

Table with columns: Station ID, Name, Elevation, Azimuth, Range, Status, Date, Time, Azimuth, Range, Status, Date, Time. Includes stations like Bearman Lake, Yukon River, Wichita Mounta, etc.

SEA 21 09:56:26.9, 2.1, 41.89N, 0.05:125.80W, 0.08, h16km, 2km, Error ellipse: s-maj=10.2km s-min=9.1km az=270.0, NEIC 21 09:56:23.7, 1.9, 41.94N, 0.03:125.60W, 0.05, h10km, 2km, ML2.6/48, ML2.3/4(SEA), Error ellipse: s-maj=6.9km s-min=4.2km az=246.0, Off coast of northern California



ISC 21 09:57:28.2-1.1, 9.96N, 0.003:73.03W, 0.003, h26km, gkm,

n55, c167/87, mb3.5/5, 3C-4D, Northern Colombia

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

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

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



1337

Table with columns: Call Sign, Name, Frequency, Mode, Class, Power, and other details. Includes stations like NSK Sanguang, TWE Neicheng, NFF Wufeng Townshi, etc.

2018 APR

Table with columns: Call Sign, Name, Frequency, Mode, Class, Power, and other details. Includes stations like JKRS Kuro-shima, JIJ Ishigaki jima, PCYT Pengchayu, etc.

21d 10h

Table with columns: Call Sign, Name, Frequency, Mode, Class, Power, and other details. Includes stations like CD2 Chengdu, MYLDM Lahad Datu, INUYAMA Inuyama, etc.



Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like H0S22 Diego Garcia H, H0S33 Diego Garcia H, H0S11 Diego Garcia H, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like MA2 Magadan, PET Petropavlovsk, BRTR Kesk Array B, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like HGN Heimansgroeve, BA17 Glehn, TDN Todendorf, etc.

21d 12h

Table of station data for the 21d 12h period, including station names like MEZF, CLZ, BFO, SFTF, etc., and their corresponding coordinates and parameters.

2018 APR

n50, e170/75, mb3.5/4, 12C-16D, Dominican Republic region

Main table of station data for the Dominican Republic region, listing stations like HATOM, MIDR, SDDO, etc., with their codes, station names, and various parameters.

1340

Table of station data for the 1340 period, including stations like NVAR, YKA, ESDC, etc., and their coordinates and parameters.

Summary text for the 21d 12h period, including station coordinates and parameters: IDC 21 11:48:06.7-2.5, 2.87N-128.39E, h0km, mb3.2/3, mbmp3.2/3, Error ellipse: s-maj=169.4km s-min=29.1km az=68.0, Halmahera

SOME 21 12:20:03.3, 39.43N-73.42E, h0km KRNET 21 12:20:04.2, 0.1, 39.44N-73.33E, h14km, mb3.1 ISU 21 12:20:07.8, 39.52N-73.31E, h12km NNC 21 12:20:07.9, 3.2, 39.62N-73.40E, h0km, mb3.6, mpv3.3 Error ellipse: s-maj=25.4km s-min=13.2km az=162.0 ISC 21 12:20:05.5, 1.3, 39.48N-0.06, 73.35E, 0.03, h10km, n46, e227/84, 24C-22D, Tajikistan-Xinjiang border region

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Tian-Shan, Medeo, KOTYS, etc.

CNRM 21 12:25:24.4, 35.45N; 3.72W, h24km, ML2.5
MDD 21 12:25:24.1, 0.8, 35.73N; 3.62W, h0km, mb\_Lg2.0/3, Error ellipse: s-maj=7.1km s-min=4.1km az=56.0

ISC 21 12:25:21.4, 1.3, 35.60N; 0.03, 3.70W; 0.04, h14km, 12km, n15, r1940/20, Strait of Gibraltar

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like PALE, EMEL, GOG, etc.

ISC 21 12:29:55.3, 2.2, 18.30N; 81.30W, h0km, mb3.5/5, mbmp3.5/5, MS3.3/2, Error ellipse: s-maj=72.2km

SSNC 21 12:29:59.8, 2.0, 18.23N; 81.51W, h91km, 67km, MD3.8, ML3.9

JSN 21 12:30:02.8, 1.4, 18.91N; 81.22W, h15km, MD4.2

ISC 21 12:29:59.1, 0.9, 18.80N; 0.06, 81.25W; 0.07, h10km, n29, r3504/33, mb3.7/5, North of Honduras

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Frank Sound, MGVC, etc.

OTT 21 12:59:16.5, 0.3, 72.16N; 62.11W, h18km, ML3.3/4, 299km northeast from Clyde River, Nu Eastern Arctic Background

DNK 21 12:59:20.6, 2.7, 72.21N; 61.33W, h18km, 34km, ML2.5

ISC 21 12:59:11.8, 0.8, 72.14N; 0.05, 61.87W; 0.04, h10km, n19, r2587/27, Baffin Bay

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Upernavik, CLRN, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like North Greenland, Kangerlussuaq, etc.

NEIC 21 13:02:33.5, 0.5, 19.23N; 0.03, 155.43W; 0.03, h39km, 4km, Error ellipse: s-maj=4.9km s-min=2.9km az=129.0

HVO 21 13:02:34.8, 0.8, 19.20N; 0.08, 155.4W; 0.1, h33km, 3km, ML2.5/20, ML2.6/50(NEIC), Error ellipse: s-maj=18.8km

s-min=6.3km az=117.0, Hawaiian Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Hot Caves, Hilina Pali, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Suchitepequez, Santaquito, etc.

ISC 21 13:17:42.6, 1.4, 14.01N; 91.82W, h72km, 25km, MD3.9

ICD 21 13:17:43.9, 2.7, 14.04N; 91.82W, h55km, 20km, mb3.1/4, mbmp3.5/7, ML3.7/3, MS3.1/2, Error ellipse: s-maj=25.4km

s-min=10.1km az=10.0

SNET 21 13:17:43.9, 0.6, 14.16N; 91.65W, h70km, 32km, ML4.1

CATAC 21 13:17:44.9, 0.6, 13.89N; 91.63W, h30km, 9km, MB4.4, mb4.6, ML4.3

ISC 21 13:17:43.3, 1.4, 13.92N; 0.08, 91.76W; 0.08, h60km, 12km, n75, r123/108, mb3.7/5, 1C, Near coast of Guatemala

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Suchitepequez, Santaquito, etc.

21d 13h

Table with columns: RANC, comp, Station Name, Az, Phase ID, Time Res, and various station identifiers like LCND, CNCH, CMIG, PKGN, MACN, BOAB, TEIG, JTS, TXAR, SDV, PDAR, NVAR, H03N2, H03N1, H03N3, YKA, ILAR, CMAR.

NEIC 21 13:31:01.51, 6.55, 61N, 0.09, 149.2W, 0.1, h9km, 7km, ML3.6/48, ML3.4(AEIC), Error ellipse: s-maj=13.5km, s-min=8.6km, az=163.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and station identifiers like OHAK, KDAK, SII, SVI, CHIR, CNPM, Q19K, Q23K, MID, KCG, BRSE, BRSE, BRSE, ACHA, BRLL, BRLL, BRLL, HOM.

2018 APR

Main table with columns: ANCK, KAHC, AUCH, AUGUSTINE, SEW, P19K, P19K, P19K, PLK1, O20K, O20K, ILSW, ILSW, ILSW, IVE, O22K, P18K, P18K, HIN, KAIM, KAIM, KAIM, Q16K, Q16K, ANNE, RED, CHGN, CHGN, RDWB, CAPN, CAPN, EYAK, EYAK, EYAK, P17K, O18K, O18K, O19K, O19K, O19K, SUCK, SUCK, FID, FID, FID, RAGM, GLI, GLI, HMT, RC01, BERG, SNH, N20K, KNK, P16K, P16K, SPCG, S14K, VNG, BMRM, N19K, N19K, WAX, O17K, PMR, PMR, PMR, MESA, MESA, MESA, SPNN, STLK, KLU, KLU, KLU, GHO, N18K, N18K, ISLE, O16K, O16K, SML, SCM, SCM, VRED, SAMH, SVW2, SDPT, SDPT, SDPT, N25K, N25K, N25K, TABL, GLB, PTPK, MCARA, MCARA, PNL, PNL, PNL, M24K, SCFM, O15K, CTGM, CTGM, CTGM, LOGN, LOGN, M18K, M18K, M18K, VRED, VRED, VRED, WACK, N16K, N16K, O28M, O28M.

1342

Table with columns: HARP, HAARP, HARP, L19K, L19K, M17K, M17K, S12K, N15K, N15K, O29M, O29M, P29M, P29M, M16K, M16K, O14K, O14K, M26K, M26K, DHY, DHY, S31K, YUK2, PAX, PAX, L18K, YUK7, YUK3, YUK3, M27K, M27K, RND, TRF, TRF, M15K, M15K, N14K, N14K, PLBC, CAST, P30M, P30M, KTH, L17K, L17K, L16K, L16K, S32K, L27K, L27K, BCAR, CHUM, CHUM, SKAG, SKAG, SKAG, K17K, K17K, JIS, N30M, N30M, O30N, O30N, M29M, M29M, WRH, J20K, J20K, CCB, U33K, U33K, U33K, MDM, M30M, M31M, K29M, N32M, H21K, H23K, FARO, R33M, IMAR, J30M.

NEIC 21 13:34:40.3, 1.1, 20.7N, 0.3, 156.4W, 0.3, h35km, 9km, Error ellipse: s-maj=56.6km, s-min=3.2km, az=219.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and station identifiers like HLK, KHLH, KHLH, KHLH, KPA, KPA, MHA, MHA, HPAH, HPAH, KKH, HUH, HUH, HUH, POHA, POHA, POHA, POHA, WMR, WMR, CPH, ALEP, DHH, DHH, HMM, HMM, HMM, MLOA, MLOA, MLOA.





21d 14h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like ILIN, IKFM, RAFI, etc.

2018 APR

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include NEIC 21, TUL 21, and various station codes like OK033, OK031, etc.

1344

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include PBMO, FVM, T25A, JCT, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like KSRS, ASAJ, KLR, PETK, SONMI, MKAR, KURBB, NRIK, BVAR, ILAR, BBB, YBH.

JMA 21 14:57:34.20.1, 43.0N, 0.5W, 145.7E, 0.6, h48km, MV2.9/37, OFF NEMURO PENINSULA

SKHL 21 14:57:34.70.2, 43.00N, 145.80E, h42km, 2km, mb3.9/2

ISC 21 14:57:34.0.1, 9, 43.03N, 0.08, 145.75E, 0.06, h47km, 11km, n13, c0538/25, Hokkaido region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like NEM2, NMR, JKHN, JKHN, AKK, AKK, JAK, JNSB, JNSB, JNK, JNK, YUK, YUK, YUK, YUK, JRA, JRA, SHO, SHO, SHO, JOB, JOB, JAR, JAR, JTRK.

TAP 21 15:00:47.4, 24.34N, 121.74E, h6km, ML1.1, 1C, C, Taiwan

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like EAHA, EHAH, EHP, EHP, ENA, ENA, EWUT, EWUT, ETL, ETL, NACB, NACB, ESAO, ESAO, ETLH, ETLH, LATG, LATG, TWC, TWC, NDT, NDT, NNSB, NNSB, ENTT, ENTT, HWA, HWA, TWE, TWE, YHNB, YHNB, TEYL, TEYL, NWLT, NWLT.

JMA 21 15:01:21.3, 0.2, 24.2N, 0.3, 123.8E, 0.4, h15km, 1km, MV0.1/6, NEAR ISHIGAKIJIMA ISLAND, Southwestern Ryukyus Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like IRIF, IRIF, JKRS, JKRS, HATJ, HATJ, JIJ, JIJ, JISG, JISG.

ISC 21 15:06:35.1, 1.1, 36.64N, 142.30E, h0km, mb3.7/10, mbmp3.7/14, ML3.6/4, MS3.3/4, Error ellipse: s-maj=23.8km s-min=18.8km az=107.0

NIED 21 15:06:36.8, 36.70N, 142.33E, h20km, MW3.8, Moment Tensor Solution. s3 Moment tensor: Scale 10^14Nm

Mn:3.48; Mw:0.14; Mo:3.62; Mo:0.98; Mo:1.29; Mw:3.97; Fault plane solution: Ms5.5500x10^14 Np1.0x10^0000.0, 689.00000, 1.88.00000. NP2.0x201.00000, 621.00000, 1.96.00000. JMA 21 15:06:36.8, 0.5, 36.7N, 0.9, 142.3E, h20km, MV3.9/3, E OFF FUKUSHIMA PREF

ISC 21 15:06:37.1, 0.8, 36.67N, 142.04, 142.37E, 0.07, h15km, n45, c1334/41, mb3.6/10, MS3.5/3, 1D, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like ONAJ, ONAJ, JFK, JFK, JHO, JHO, JHYU, JHYU, JYFD, JYFD, JMM, JMM, JOTO, JOTO, JIO, JIO, JOU, JOU, BSO1, BSO1, BSO1, BSO1, JAG, JAG, JMK, JMK, JYK, JYK, MJAR, MJAR, MJAR, MJAR.

MAJO Mitsuhiro 3.35 269 P Pn 15 07 30.3 +1.3

JSD Sado 3.55 294 P Pn 15 07 31.1 +1.5

JHJ2 Mitsune 4.13 211 P Pn 15 07 41.6 +2.0

JHJ Hachijo jima 2 4.13 212 Pn 15 07 38.9 -0.8

JGJ Kuroka 4.20 257 P Pn 15 07 43.5 +2.9

JNSB Monobe 7.55 250 P Pn 15 08 28.9 +3.0

JCJ Chichijima 9.55 181 Pn 15 08 48.2 -5.8

JAR Korea Array 11.57 278 Pn 15 09 22.7 +1.0

MA2 Magadan 23.55 11 P 15 11 47.2 +0.6

H11N2 WAKE ISLAND Hy 27.30 122 T 15 41 43.6

H11N1 WAKE ISLAND Hy 27.31 122 T 15 42 18.7

H11N3 WAKE ISLAND Hy 27.32 122 T 15 41 36.8

H11S1 WAKE ISLAND Hy 28.02 124 T 15 42 57.1

H11S3 WAKE ISLAND Hy 28.02 124 T 15 42 28.7

H11S2 WAKE ISLAND Hy 28.04 124 T 15 42 36.1

SONM Songino Array 28.62 304 P 15 12 32.8 -0.1

ZALV Zaldovo Beam 42.72 313 P 15 14 33.8 +0.4

MKAR Makanchi Array 44.96 303 P 15 14 51.3 -0.2

KURBB Kurchatov Arra 46.83 308 P 15 15 05.9 -0.2

ILAR Eielson Array 49.39 32 P 15 15 27.1 +1.4

BVAR Borovoye Array 51.38 313 P 15 15 41.2 +0.2

WRA Warramunga Arr 56.82 189 P 15 16 20.6 -0.2

ASAR Alice Springs 60.54 189 P 15 16 46.9 +0.1

NVAR Mirna Array Bea 74.59 54 LR 15 44 01.4

AKASO Malin Array Be 75.05 323 P 15 18 18.3 +0.3

ELK Elko 75.19 50 LR 15 48 50.2

ULM Lac du Bonnet 79.38 34 LR 15 55 39.0

ISC 21 15:16:42.6, 0.9, 1.77N, 96.53E, h0km, mb4.3/14, mbmp4.3/17, ML4.6/3, MS3.8/6, Error ellipse: s-maj=30.8km s-min=15.3km az=52.0

DJA 21 15:16:47.0, 0.6, 2.1N, 96.96E, h36km, 7km, M5.0/20, mb5.7/8, mb5.0/20, MLV4.8/14, Mw(mb)5.3/8

NEIC 21 15:16:48.7, 1.9, 1.80N, 0.06, 96.51E, 0.07, h35km, 4km, mb4.5/31, Error ellipse: s-maj=10.3km s-min=7.7km az=54.0

BUI 21 15:16:48.7, 0.0, 1.72N, 96.69E, h53km, mb4.7/40, mb4.0/31, ML4.0/14, MS4.0/3, MS3.9/3

ISC 21 15:16:47.8, 0.6, 1.74N, 0.06, 96.45E, 0.07, h35km, m129, c142/19, mb4.6/38, MS3.6/6, 2C-1D, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like SNSI, SNSI, GSI, GSI, GSI, GSI, KCSI, KCSI, MLSI, MLSI, PBTU, PBTU, LHMI, LHMI, SISI, SISI, PDSI, PDSI, BKNI, BKNI, BKNI, BKNI, KULM, KULM, PPSI, PPSI.

MYKON Kota Iritani 7.39 89 Pn 15 18 34.6 +1.3

SRIT Nakansitamara 7.50 25 Pn 15 18 33.8 -0.9

SURU Surathani 8.03 23 Pn 15 18 41.6 -0.4

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like STKI, STKI, KPJI, KPJI, DLV, DLV, DLV, DLV, UBPT, UBPT, UBPT, UBPT, SMRI, SMRI, PALK, PALK, PALK, PALK, CM31, CM31, CMAR, CMAR, PHRA, PHRA, PHRA, PHRA, NONG, NONG, CRAI, CRAI, SLVN, SLVN, SLVN, SLVN, TNCH, TNCH, TNCH, TNCH, TNCH, TNCH, KOHI, KOHI, KOHI, KOHI, KMI, KMI, KMI, KMI, TOL2, TOL2, PZH, PZH, PZH, PZH, H08S2, H08S2, H08S3, H08S3, H08S1, H08S1, LSA, LSA, ENH, ENH, YULB, YULB, XAN, XAN, XAN, XAN, LZH, LZH, LZH, LZH, LYN, LYN, LYN, LYN, NJ2, NJ2, HNS, HNS, JOW, JOW, NWA0, NWA0, H01W3, H01W3, H01W2, H01W2, H01W1, H01W1, HHC, HHC, HHC, HHC, BJT, BJT, BJT, BJT, WMQ, WMQ, WRA, WRA, WRA, WRA, WRAB, WRAB, WRAB, WRAB, DRK, DRK, ASAR, ASAR, ASAR, ASAR, AS31, AS31, ARSB, ARSB, TJN, TJN, JNU, JNU, KSAR, KSAR, KSRS, KSRS, KSRS, KSRS, KS19, KS19, MK31, MK31, MKAR, MKAR, MKAR, MKAR, MAKZ, MAKZ, SONM, SONM, SONM, SONM, SONM, SONM, SONM, SONM.

CM31 Chiang Mai Arr 16.79 8 P P 15 20 42.9 +0.6

CMAR Chiang Mai Arr 16.79 8 Pn 15 20 39.6 -0.8

PHRA Phrae 17.06 12 Pn Pn 15 20 42.8 -1.0

CHIAI Chiangrai 18.77 12 Pn 15 21 05.0 +0.2

KOHI KOHIMA 23.95 355 eP Iamb P 15 21 57.8 -1.2

KMI Kunming 24.03 14 P Pmax 15 22 00.8 +0.9

PZH PanZhiHua 24.33 91 P P 15 22 02.6 +0.1

H08S2 Diego Garcia H 25.65 248 T T 15 49 01.6

H08S3 Diego Garcia H 25.66 248 T T 15 49 03.6

H08S1 Diego Garcia H 25.67 248 T T 15 49 10.1

ENH Enshi 30.96 22 P P 15 23 01.6 -0.1

XAN Xi'an 34.19 19 P Pmax 15 23 29.3 -0.7

LZH Lanzhou 34.86 11 eP Pmax 15 23 36.1 +0.2

LYN LuoYang 35.90 23 eP Pmax 15 23 45.4 +0.7

NJ2 Nanjing 36.81 33 eP Pmax 15 23 53.4 +0.9

HNS HongShan 39.27 23 P Pmax 15 24 14.0 +0.9

JOW Kunigami 39.43 48 LR LR 15 41 11.6

NWA0 Narrogin (SRO) 39.68 152 LR LR 15 42 39.2

H01W3 Cape Leeuwijn H 40.03 157 T T 16 06 49.3

H01W2 Cape Leeuwijn H 40.04 157 T T 16 06 44.1

H01W1 Cape Leeuwijn H 40.04 157 T T 16 06 49.8

HHC Hu-ho-hao-te 41.27 17 eP Pmax 15 24 32.3 +2.5

HHC HHC 41.27 17 eP Pmax 15 24 32.3 +2.5

BJT Baijiatuu 42.11 23 P P 15 24 37.6 +1.1

BJL Baijiatuu 42.11 23 P P 15 24 35.7 -0.8

WMQ Urumqi 42.62 351 eP Pmax 15 24 42.6 +1.8

WRA Warramunga Arr 42.95 122 P P 15 24 43.8 0.0

WRAB Warramunga Arr 42.96 122 P P 15 24 44.7 -0.5

WRAB Warramunga Arr 42.96 122 P P 15 24 43.8 0.0

DRK Karamyk 43.77 332 P P 15 24 50.5 +0.1

ASAR Alice Springs 44.31 127 P P 15 24 55.4 +0.7

ASAR Alice Springs 44.31 127 P P 15 24 54.7 -0.0

ASAR Alice Springs 44.31 127 P P 15 26 38.2 -0.3

AS31 Alice Springs 44.31 127 P P 15 24 54.9 +0.2

ARSB Arslanbob 44.73 335 P P 15 24 56.1 -1.9

TJN Tajon 44.77 36 P P 15 24 57.6 -0.5

JNU Nakatsue 44.91 42 P P 15 24 56.5 -2.8

KSAR Wonju Array Arr 45.81 35 P P 15 25 05.3 -1.0

21d 16h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Ulanbaatar, Monobe, JMD, JMN, Oodnadatta, Chanchung, etc.

NNC 21 15:21:25.0±3.0, 08°09'N, 73°85'E, h0km, mb3.5, mpv3.2, Error ellipse: s-maj=23.1km, s-min=15.9km, az=152.0

SOME 21 15:21:24.8, 38°15'N, 73°55'E, h10km, n16, s-min=19.2km, az=114.0, New Guinea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Ala-Archa, Merke, Moravsky Berou, etc.

IDC 21 15:30:53.1±2.1, 5.91S, 142.17E, h0km, mb3.5/1, mbtmp3.4/3, ML3.4/2, Error ellipse: s-maj=195.0km, s-min=19.2km, az=114.0, New Guinea

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

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ILAR Eielson Array 87.32 24 P P 15 43 41.4 -0.2

TEH 21 15:35:18.6±3.3, 69°N, 45°54'E, h6km, ML3.3, ISN 21 15:35:19.0±3.3, 69°N, 45°54'E, h11km, km, ML3.2

ISC 21 15:35:19.0±3.3, 69°N, 45°54'E, h11km, km, ML3.2, s-min=17.1km, az=69.0, Error ellipse: s-maj=37.9km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Badra, Ghaer-e-Shirin, Baghdad, etc.

DNK 21 15:45:03.1±1.1, 51°54'N, 16°21'E, h15km, ML2.8, PRU 21 15:45:05.5, 51°39'N, 16°08'E, h0km

VIE 21 15:45:05.9±1.0, 51°24'N, 16°10'E, h0km, mb2.1/5, ml2.5/4, Error ellipse: s-maj=11.0km, s-min=6.5km, az=89.0, Suspected Mining induced

ISC 21 15:45:00.3±0.8, 51°57'N, 0°03'16"E, h0km, n28, s-min=17.1km, az=69.0, Error ellipse: s-maj=37.9km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Chvalec, Ostas, Upec, etc.

BRG Bergliesshubel 1.56 244 P P 15 45 30.9 +0.7

RICC Richard 1.86 232 eSg Sg 15 45 53.5 0.0

HSCK Hora Svate Kat 1.97 242 eSg Sg 15 46 02.6 +0.5

COLIM Colim 1.99 264 ePn Pn 15 45 32.0 -3.2

MORC Moravsky Berou 2.00 153 ePn Pn 15 45 36.2 +0.8

OKC Ostrava-Krasne 2.15 143 eSg Sg 15 46 08.2 +1.0

VRAC Vranov 2.28 173 ePn Pn 15 45 40.0 +0.8

KRUC Moravsky 2.52 176 ePn Pn 15 45 43.5 +1.1

KRUC Novy Kostel 2.70 242 ePn Pn 15 45 52.0 -0.1

KHC Kasperske Hory 2.95 215 ePn Pn 15 45 49.4 +1.0

CKRC Cesky Krumlov 3.00 204 ePn Pn 15 45 56.0 +1.4

MODS Modra-Piesok 3.28 167 ePn Pn 15 45 57.5 -1.9

MODS Bornholm Skovb 3.63 349 eSg Sg 15 45 45.5 -0.1

CONA Conrad Observa 3.65 183 i Pn Pn 15 46 00.2 +2.1

RONA Rosalia, Austr 3.88 179 eSg Sg 15 47 01.6 -3.1

MOA Mota 3.92 199 i Pn Pn 15 46 03.2 +1.4

ARSA Arzberg 4.34 186 eSg Sg 15 47 17.1 -2.7

LUNU Lund 4.38 339 i Pn Pn 15 46 10.3 +2.3

BLEU Blekinge 4.75 358 i Pn Pn 15 46 15.3 +2.2

DEL Delary 5.09 346 i Sg Sg 15 47 14.6 -2.6

JMA 21 15:48:56.2±0.5, 32°N, 142°14'E, h95km, MV3.1/10, NEAR TORISHIMA

IDC 21 15:48:56.1±1.1, 31°77'N, 141°23'E, h0km, mb3.7/6, mbtmp3.6/7, ML2.2/1, Error ellipse: s-maj=37.9km

ISC 21 15:48:58.3±0.9, 31°81'N, 141°50'E, h0km, n14, s-min=17.1km, az=69.0, Error ellipse: s-maj=37.9km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Jaom, Hachijo jima 2, etc.

1346

MKAR Makanchi Array 47.13 306 P P 15 57 29.1 +0.9

KURBB Kurat Array Arr 49.41 312 P P 15 57 46.3 +0.6

WRA Warramunga Arr 51.92 189 P P 15 58 06.2 +1.4

ILAR Eielson Array 53.90 30 P P 15 58 21.8 +2.7

BVAR Borovoye Array 54.24 315 P P 15 58 22.2 +0.5

ASAR Alice Springs 55.64 188 P P 15 58 32.9 +0.8

IDC 21 16:03:49.9±1.8, 21°67'N, 143°14'E, h273km, 17km, mb3.3/12, mbtmp4.0/15, Error ellipse: s-maj=23.2km

ISC 21 16:03:52.6±0.9, 21°78'N, 143°10'E, h300km, n15, s-min=17.1km, az=69.0, Error ellipse: s-maj=37.9km

JCJ Chichijima 5.35 352 P Pn 16 05 12.2 -1.9

JHJ Hachijo jima 2 11.65 346 P P 16 06 29.4 -1.4

JHU 14nm, 0.6s, baz=77, slow=19, SNR=1.2

JNU Nakatsue 15.61 319 P Pn 16 07 17.5 -0.6

KSRS Kora Array 20.37 323 P P 16 08 08.8 +1.6

ASAR Alice Springs 46.04 192 P P 16 11 45.9 -1.3

MKAR Makanchi Array 54.54 313 P P 16 12 49.7 -0.5

KURBB Kurat Array Arr 57.37 317 P P 16 13 11.2 +1.2

ILAR Eielson Array 62.02 27 P P 16 13 41.6 +0.4

BVAR Borovoye Array 62.52 319 P P 16 13 46.1 +1.3

YKA Yellowknife Arr 76.44 28 P P 16 15 10.4 +1.2

ARCES ARCESS Array B 78.80 341 P P 16 15 23.7 +1.6

FINES FINESS Array B 83.05 334 P P 16 15 44.7 +0.2

NVAR Niina Array Bea 83.19 51 P P 16 15 45.7 -0.3

HFS Hagfors 88.60 337 P P 16 16 10.7 -0.8

SJA 21 16:15:00.2±0.7, 20°51'S, 68°93'W, h115km±4km, ML3.7, MV3.6

GUC 21 16:15:02.2±0.8, 20°54'S, 68°89'W, h104km±4km, ML3.5

ISC 21 16:15:02.6±1.4, 20°55'S, 68°99'W, h105km±8km, n37, s-min=17.1km, az=69.0, Error ellipse: s-maj=37.9km

IPOC IPOC Station P 0.44 339 eSg Sg 16 15 18.4 -0.6

IPOC IPOC Station P 0.44 339 eSg Sg 16 15 18.3 -0.6

IPOC IPOC Station P 0.62 284 eSg Sg 16 15 32.8 -0.1

IPOC IPOC Station P 0.68 224 ePn Pn 16 15 19.8 -0.6

IPOC IPOC Station P 0.68 224 eSg Sg 16 15 34.2 +0.5

Humberstone 0.89 288 ePn Pn 16 15 21.8 -0.5

Humberstone 0.89 288 eSg Sg 16 15 37.6 +0.4

Huaiquique 1.11 284 ePn Pn 16 15 24.4 -0.1

Diego Aracena 1.12 269 ePn Pn 16 15 41.1 -0.1

Diego Aracena 1.12 269 eSg Sg 16 15 43.9

Diego Aracena 1.12 269 ePn Pn 16 15 24.1 -0.5

Punta Patache 1.12 256 ePn Pn 16 15 44.3 +2.1

Punta Patache 1.12 256 eSg Sg 16 15 50.0

IPOC IPOC Station P 1.14 228 ePn Pn 16 15 24.7 -0.3

IPOC IPOC Station P 1.26 191 ePn Pn 16 15 26.1 +1.3

IPOC IPOC Station P 1.26 191 eSg Sg 16 15 45.8 +0.3

IPOC IPOC Station P 1.44 215 ePn Pn 16 15 46.3 +1.8

IPOC IPOC Station P 1.44 215 eSg Sg 16 15 49.3

IPOC IPOC Station P 2.05 178 ePn Pn 16 15 36.2 -0.1

IPOC IPOC Station P 2.08 211 ePn Pn 16 15 36.4 -0.1

IPOC IPOC Station P 2.08 211 eSg Sg 16 16 16.5

Table with columns: PB04, IAML, 16 16 16.6, comp=N, 115nm, 19.4s, baz=150, slow=36, etc.

Table with columns: JUNU, LR, LR, 17 08 38.8, JSD Sado, comp=N, 115nm, 19.4s, baz=150, slow=36, etc.

Table with columns: QIZ, S, S, 17 12 55.4 +4.1, comp=N, 13nm, 1.5s, etc.

KRSC 21 16:58:04.3 1.4, 55:37N; 166:14E, h41km, 10km, M3.9

Table with columns: Code, Station Name, A, AZ, Phase ID, Time, Res, BKI Bering, 0.29 167 eP, etc.

Table with columns: ASAJ, LR, LR, 17 09 01.6 -11, ASAJ comp=N, 4.3nm, 0.8s, baz=74, slow=20, SNR=1.4, etc.

Table with columns: GTOI, S, S, 17 08 08.3 +0.2, GTOI comp=N, 2.1nm, 0.8s, etc.

Table with columns: Code, Station Name, A, AZ, Phase ID, Time, Res, MTRV Mutnovka, 5.43 240 eP, etc.

Table with columns: KLR, LR, LR, 17 07 02.4 -0.5, KLR comp=N, 13nm, 0.8s, etc.

Table with columns: KMI, S, S, 17 08 40.8 +0.5, KMI comp=N, 14nm, 0.8s, etc.

MOS 21 17:01:53.5 0.9, 26:36N; 141:33E, h77km, mb5.0/34, Error ellipse: s-maj=11.1km s-min=5.2km az=101.1

Table with columns: Code, Station Name, A, AZ, Phase ID, Time, Res, JHH2 Haha-jima-NKT2, 0.55 68 P, etc.

Table with columns: HNS, LR, LR, 17 07 15.5 +1.4, HNS comp=N, 9.0nm, 2.1s, baz=322, slow=53, etc.

Table with columns: YAK, S, S, 17 08 53.3 +0.5, YAK comp=N, 2.2nm, 0.8s, etc.

Table with columns: Code, Station Name, A, AZ, Phase ID, Time, Res, JHH2 Haha-jima-NKT2, 0.55 68 A, etc.

Table with columns: HNS, LR, LR, 17 07 15.5 +1.4, HNS comp=N, 9.0nm, 2.1s, baz=322, slow=53, etc.

Table with columns: YAK, S, S, 17 08 53.3 +0.5, YAK comp=N, 2.2nm, 0.8s, etc.

21d 17h

Table with columns for station code, name, elevation, and various performance metrics. Includes stations like HNR Honiara, EDFI Ende, CM31 Chiang Mai Arr, etc.

2018 APR

Table with columns for station code, name, elevation, and various performance metrics. Includes stations like L14K Kukka Creek, J14K Nanvaranak Lak, N14K Kusokwak Cree, etc.

1348

Table with columns for station code, name, elevation, and various performance metrics. Includes stations like C18K Utukok River, INKA Innaminka, DZM Mont Dzumac, etc.

1349

Table with columns: Station ID, Name, Frequency, Power, Mode, and other parameters. Includes stations like M22K Willow, D22K Ayikyak River, O22K Cooper Landing, etc.

2018 APR

Table with columns: Station ID, Name, Frequency, Power, Mode, and other parameters. Includes stations like J25K Salcha River, HARP HAARP, D25K Kay River, etc.

21d 17h

Table with columns: Station ID, Name, Frequency, Power, Mode, and other parameters. Includes stations like J30M Hart River, J30M Hart River, P30M Million Dollar, etc.

21d 17h

Table with columns for station ID, name, frequency, power, and signal strength. Includes stations like VALR, MXC, KHMM, OBN, etc.

2018 APR

Table with columns for station ID, name, frequency, power, and signal strength. Includes stations like EDW2, YHRC, R11B, QSM, etc.

1350

Table with columns for station ID, name, frequency, power, and signal strength. Includes stations like U15A, HMU, K22A, R22A, etc.



Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Res. Includes entries like TUL3 Leonard, L44A Lake County Fo, CEL Celeste, HDL Hopedale, etc.

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Res. Includes entries like MID Middleton Isa, MID BRLL Bradley Lake, MID HOM Homer, etc.

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Res. Includes entries like BARK Barkley Ridge, GHO Glory Hole Cre, KLU Klutina, etc.

JMA 21 17:02:50.6,-1.32,9N,0.2,-131.0E,0.4,h9km,1km, MV-0.1/12,NE KUMAMOTO PREF,Kyushu

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Res. Includes entry: JTA Tamana

NEIC 21 17:04:55.4,-1.6,56.19N,0.06,-149.40W,0.09,h10km,1km, mb4.2/17,ML4.0/64,ML3.8(AEIC),Error ellipse:

s-maj=10.2km s-min=8.0km az=173.0, ID 21 17:04:56.1,-1.0,56.33N,149.45W,h0km,mb3.99, mbmp3.8/14,ML3.4/5,MS3.4/24,Error ellipse:

s-maj=26.4km s-min=15.6km az=32.0, AEIC 21 17:05:00.6,-1.5,56.22N,0.07,-149.40W,0.1,10h12km,6km, Error ellipse: s-maj=10.6km s-min=7.9km az=173.0

ISC 21 17:04:55.7,-0.6,56.26N,0.06,-149.42W,0.04,h10km, n446,e1816/431,mb4.1/16,MS3.3/19,Gulf of Alaska

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Res. Includes entries like KDAK Kodiak Island, KDAK Kodiak Island, KDAK Kodiak Island, etc.

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Res. Includes entries like MID Middleton Isa, MID BRLL Bradley Lake, MID HOM Homer, etc.

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Res. Includes entries like BARK Barkley Ridge, GHO Glory Hole Cre, KLU Klutina, etc.

21d 17h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like K20K, MCK, L16K, BVCY, PLBC, SIT, L27K, BICAR, RDAG, K17K, BPWA, BWN, M14K, FALS, J18K, SKAG, SCRK, BESE, N30M, L15K, ISLZ, WRH, HDA, ISNN, J20K, O30N, R32K, M29M, J19K, NEA2, JIS, JIS, SSNL, M13K, SSSL, CCB, L14K, K27K, J25K, ILAR, K15K, COLA, MDM, J26L, N31M, WHY, MLY, WESE, WECs, I23K, L29M, POKR, P32M, J16K, M30M, I21K, U33K, CRAG, DAWY, PRP, H21K, G26K, G32M, H24K, K29M, J14K, M31M, N32M, J29N, H18K, IMAR, V35K, S34M, UNV, F20K, R33M, G21K, G23K, G24K, FYU, J30M, DBCB, I30M, F21K, M3P, G27K, F22K, F19K, F24K, GRNB, ANM, BMAR, F17K, E19K.

2018 APR

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like G29M, E22K, H31M, E25K, F28M, G20M, TOLK, E27K, D22K, G31M, D19K, D24K, BBB, E28M, D25K, E29M, C18K, D27M, B21K, C23K, C16K, INK, INK, B20K, B22K, C36M, BRDA, YKA, YKA, A36M, A36M, NEW, I04A, DBO, K02D, HUMO, PINE, PINE, J05D, J05D, F10A, F10A, I07A, I07A, YBH, WVOR, WVOR, PAHR, ELK, H17A, F1WY, NVAR, NVAR, REDW, R11B, PDAR, SEY, ULM, PFB, PFB, TXAR, TXAR, ASAJ, SADO, TKL, H112, H111, H110, H111, H112, H113, KSRS, JNU, SONM, ZALV, FINES, KIRV, ARU, BVAR, KURBB, MKAR, OBN, AKASG, EIL, GQSA, GUC 21, VAO 21, ISC 21, Code, Station Name, Az, Az2, Phase ID, Time, Res.

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Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like PB09, PB09, PB05, PB05, PB04, PB04, PB07, PB07, PB01, PB01, PB02, PB02, G002, G002, PATCX, PATCX, PB08, PB08, TA01, TA01, HMBC, HMBC, G001, PB11, PB11, PB11, PB11, PB12, PB12, AAK, AAK, TKM2, TKM2, GEYT, GEYT, MKAR, MKAR, AB31, KURBB, BVAR, AKTO, ZALV, Code, Station Name, Az, Az2, Phase ID, Time, Res.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like SONM Songoino Array, ZALV Zalesovo Beam, MKAR Makanchi Array, etc.

DJA 21 18:01:53.6±0.6, 11°N, 4°12'E, ±h31km, 10km, M4.1/11, mb4.1/3, MLV4.0/11, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like MRSI Marisa, MFSI Mapaga, LWUI Luvuil, etc.

IDC 21 18:07:08.0±0.7, 11°93'S, 165°26'E, h0km, mb4.2/12, mbtmp4.2/13, ML5.3/2, MS3.7/7, Error ellipse: s-maj=24.0km s-min=17.8km az=102.0

NOU 21 18:07:10.0, 11°70'S, 165°48'E, h18km, mb4.7/15, Santa Cruz Islands

NEIC 21 18:07:12.1±1.5, 11°87'S, 165°30'E, h32km, 6km, mb4.7/48, Error ellipse: s-maj=16.3km s-min=9.7km

ISC 21 18:07:14.0±0.5, 11°36'S, 165°24'E, 0.08, h35km, n100, +194/98, mb4.6/38, MS3.6/6, 1D, Santa Cruz Islands

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, LIFRC LIFOU, MARNC Mare, Loyalty, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, KOUNC Koumac, New Ca, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like KOUNC Koumac, New Ca, LIFOU LIFOU, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, CTAO Charters Tower, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, ARMA Armadale, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, ARMA Armadale, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like NOUC Port Laguerre, YATNC Mammie plateau, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like ONTNC Ouen Toro, ONTNC Ouen Toro, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like QUENC Ouen Island, QUENC Ouen Island, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like PINNC Pines Island, PINNC Pines Island, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like EIDS Eidsvold, CTAO Charters Tower, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like ARMA Armadale, ARMA Armadale, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like ARMA Armadale, CMSA Cobar Meteorol, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like TOZ Tahuroa Road, RTZ Ruataha, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like BKZ Black Stump Fea, BKZ Black Stump Fea, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like STKA Stephens Creek, STKA Stephens Creek, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like MRZ Manginokora R, H11S2 WAKE ISLAND Hy, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like H11S3 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like WB0 Warramunga Arr, WB0 Warramunga Arr, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like WB2 Warramunga Arr, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like TOO Toolangi, TOO Toolangi, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like KHZ Kahutia, H11N1 WAKE ISLAND Hy, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like H11N3 WAKE ISLAND Hy, H11N2 WAKE ISLAND Hy, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like AS31 Alice Springs, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like GUMO Guam, BBOO Buckleboo, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like FITZ Fitzroy Crossi, FORF Forrest, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like MORW Morawa, MORW Morawa, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like GIRL Giralia, JMN Monobe, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like MJAR Matsushiro Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like MAJO Matsushiro, MAJO Matsushiro, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like MJB9 Matsu-Tunnel, MJB9 Matsu-Tunnel, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like MJB9 Matsu-Tunnel, MJB9 Matsu-Tunnel, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like JNU Nakatsue, ASAJ Asahikawa, NJ2 Nanjing, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like M14K Bether, P16K Big Mountain, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like QSPA South Pole Qui, M16K Timber Creek, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like SONM Songoino Array, GTA GTA, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like L18K Granite Mouna, L18K Granite Mouna, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like BILL Bilibino, L19K White Mountain, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like CAST Castle Rocks, M24K Tolson, Glenn, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like N25K Chitina, Valde, VRSI Verde Repeater, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like GLB Gilahina Butte, WRH Wood River Hill, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like CCB Clear Creek Bu, MDM Murphy Dome, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like M26K Nabesana, AK, MENT Mentasta, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like IL31 Eielson Array, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like ILAR Eielson Array, L26K Log Cabin Wild, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like J25K Saicha River, J25K Saicha River, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like SCRC Sand Creek, B20K Meade River, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like EGAK Eagle, EGAK Eagle, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like NVAR Mina Array Bea, BMAR Burnt Mountain, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like CZSK Itkiliik River, ELIB Princess Elisa, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like ZALV Zalesovo Beam, YKA Yellowknife Arr, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like YKA Yellowknife Arr, YKA Yellowknife Arr, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like B20K Meade River, EGAK Eagle, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like NVAR Mina Array Bea, BMAR Burnt Mountain, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like CZSK Itkiliik River, ELIB Princess Elisa, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like ZALV Zalesovo Beam, YKA Yellowknife Arr, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like YKA Yellowknife Arr, YKA Yellowknife Arr, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like B20K Meade River, EGAK Eagle, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like NVAR Mina Array Bea, BMAR Burnt Mountain, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like CZSK Itkiliik River, ELIB Princess Elisa, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like ZALV Zalesovo Beam, YKA Yellowknife Arr, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like YKA Yellowknife Arr, YKA Yellowknife Arr, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like B20K Meade River, EGAK Eagle, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like NVAR Mina Array Bea, BMAR Burnt Mountain, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like CZSK Itkiliik River, ELIB Princess Elisa, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like ZALV Zalesovo Beam, YKA Yellowknife Arr, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like YKA Yellowknife Arr, YKA Yellowknife Arr, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like B20K Meade River, EGAK Eagle, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like NVAR Mina Array Bea, BMAR Burnt Mountain, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like CZSK Itkiliik River, ELIB Princess Elisa, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like ZALV Zalesovo Beam, YKA Yellowknife Arr, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like YKA Yellowknife Arr, YKA Yellowknife Arr, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like B20K Meade River, EGAK Eagle, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like NVAR Mina Array Bea, BMAR Burnt Mountain, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like CZSK Itkiliik River, ELIB Princess Elisa, etc.

ISC 21 19:11:18.3±1.2, 18.4N, 0.2E, ±h10km, n8, 0.8/94, n8

ISC 21 19:13:53.1±1.4, 39.37N, 106.73E, h10km, n28, 1.0/100

ISC 21 19:14:01.4±5.3, 39.75N, 73.57E, h0km, mb3.1, mpv2.8

ISC 21 19:14:16.3±1.3, 48.96S, 123.76E, h10km, mb5.6/24

ISC 21 19:15:53.1±1.4, 39.37N, 106.73E, h10km, n28, 1.0/100

ISC 21 19:15:53.1±1.4, 39.37N, 106.73E, h10km, n28, 1.0/100

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like SFK Sufi-Kurgan, SFK Arai, OHH Osh, etc.

IDC 21 19:40:19.2±0.9, 48.95S, 123.23E, h0km, mb3.9/7, mbtmp3.9/7, Error ellipse: s-maj=52.0km s-min=20.4km az=105.0

ISC 21 19:40:20.6±0.8, 49.0S, 123.3E, 0.3, h10km, n12, +050/9, mb3.9/7, Western Indian-Antarctic Ridge

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like H01W1 Cape Leeuwin H, H01W2 Cape Leeuwin H, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like H01W3 Cape Leeuwin H, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like SNAW Sanae, SNAW Sanae, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, BOSA Boshof, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like MJAR Matsushiro Arr, TXAR Lajitas Array, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like YKA Yellowknife Arr, YKA Yellowknife Arr, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like H01W1 Cape Leeuwin H, H01W2 Cape Leeuwin H, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like H01W3 Cape Leeuwin H, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like SNAW Sanae, SNAW Sanae, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, BOSA Boshof, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like MJAR Matsushiro Arr, TXAR Lajitas Array, etc.

Table with columns: Code, Station Name, Δλ, ΔAZ, Phase ID, Time, Res, ISC. Includes stations like YKA Yellowknife Arr, YKA Yellowknife Arr, etc.

IDC 21 19:44:15.8±0.5, 49.01S, 123.62E, h0km, mb5.0/13, mbtmp5.0/14, ML2.9/1, MS5.3/42, Error ellipse: s-maj=27.7km s-min=13.6km az=100.0

MOS 21 19:44:16.3±1.3, 48.96S, 123.76E, h10km, mb5.6/24, MS5.3/31, Error ellipse: s-maj=15.1km s-min=7.7km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Roky Gully, Cape Leeuwin, Narrogin, etc.

Table with columns: YNG, AUHS, CMSA, WRKA, WRA, etc. Includes stations like Ulladulla High, Cobar Meteorol, Warakurna, etc.

Table with columns: KDU, KDU, KDU, MRZ, BFZ, etc. Includes stations like Kakadu, Mangatoinoka, Birch Farm, etc.

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Table with columns: IATA, Name, Lat, Lon, Alt, Type, Status, Frequency, and other flight details. Includes airlines like RAO, LBM, GENI, SWI, MTKI, JAY, SMP, etc.

2018 APR

Table with columns: IATA, Name, Lat, Lon, Alt, Type, Status, Frequency, and other flight details. Includes airlines like VOI, UBPT, GENY, PBA, PMSA, etc.

21d 19h

Table with columns: IATA, Name, Lat, Lon, Alt, Type, Status, Frequency, and other flight details. Includes airlines like QZH, MOPA, BOS, RUST, HRAO, etc.

Table with columns for station code, name, coordinates, and various signal quality metrics (e.g., P, S, I, M, R, L, A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z).

Table with columns for station code, name, coordinates, and various signal quality metrics (e.g., P, S, I, M, R, L, A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z).

Table with columns for station code, name, coordinates, and various signal quality metrics (e.g., P, S, I, M, R, L, A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z).









21d 20h

Table with columns for call sign, frequency, power, and other technical details. Includes stations like WBK, ISHB, RAYN, etc.

2018 APR

Table with columns for call sign, frequency, power, and other technical details. Includes stations like MDUB, VRRH, ATD, etc.

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Table with columns for call sign, frequency, power, and other technical details. Includes stations like MNK, MNSK, KOLS, etc.

Table with columns: Station Name, Code, Frequency, Power, Azimuth, Elevation, SNR, and other technical details for various stations.

Table with columns: Station Name, Code, Frequency, Power, Azimuth, Elevation, SNR, and other technical details for various stations.

Table with columns: Station Name, Code, Frequency, Power, Azimuth, Elevation, SNR, and other technical details for various stations.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like QNTNC, QUENC, PINNC, etc.

IDC 21 21:10:20.2, 7.8, 14.27S; 167.22E, h153km, 76km, mb3.4/4, mbtmp3.8/5, Error ellipse: s-maj=65.6km s-min=28.8km az=160.0

ISC 21 21:10:19.9, 1.3, 14.3S; 0.1, 167.2E, 0.2, h150km, n7, r127/8, mb3.6/4, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like DZM, STKA, WRA, etc.

NEIC 21 21:36:04.3, 1.0, 18.3N; 0.2, 67.97W, 0.0, h100km, 72km, ML2.5/28, MD2.8/11(RSPR), Error ellipse: s-maj=25.9km s-min=6.8km az=198.0

RSPR 21 21:36:05.1, 18.36N; -67.96W, h99km, 1km, MD2.8/11

ISC 21 21:36:05.3, 1.8, 18.4N; 0.1, 67.93W, 0.0, h93km, 12km, r43, r06/55, BC-4D, Mona Passage

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like PCDR, LSP, CRPR, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like IGPR, HUMP, SDDR, etc.

IDC 21 21:49:15.2, 1.9, 5.64S; 141.90E, h0km, mb3.6/3, mbtmp3.6/5, ML3.4/2, MS3.6/1, Error ellipse: s-maj=81.6km s-min=27.0km az=104.0, New Guinea

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

IDC 21 22:19:29.1, 2.0, 17.40N; 120.49E, h103km, 21km, mb3.4/8, mbtmp3.8/9, MS4.0/1, Error ellipse: s-maj=28.6km s-min=12.7km az=33.0

ISC 21 22:19:28.4, 0.8, 17.49N; 0.07, 120.6E, 0.2, h100km, n16, r154/16, mb3.7/6, Luzon

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

IDC 21 22:23:26.2, 9.4, 32.59S; 179.29W, h121km, 91km, mb3.0/2, mbtmp3.7/3, ML4.3/1, MS3.3/1, Error ellipse: s-maj=85.7km s-min=58.6km az=167.0

WEL 21 23:31.2, 1.6, 33.5S; 23.18W, h209km, 51km, M4.3/8, mb4.8/8, ML4.7/12, MLV4.6/8, Mw(mB)4.1/8, Error ellipse: s-maj=0.0km s-min=0.0km az=115.7, confirmed

NOU 21 22:23:42.4, 34.41S; -178.63W, h286km, mb4.1/6, South of Kermadec Islands

ISC 21 22:23:29.1, 2.1, 32.6S; 0.1, 179.6W, 0.3, h150km, n30, r167/33, South of Kermadec Islands

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

s-min=29.1km az=156.0 NNC 21 22:25:18.6, 3.0, 37.69N; 71.67E, h130km, 54km, mb3.0, mpv3.5, Error ellipse: s-maj=27.3km s-min=21.3km az=174.0

ISC 21 22:25:12.0, 0.7, 37.26N; 0.06, 71.67E, 0.07, h109km, n18, r26/27, 4C-2D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like SRNI, JMU, AAK, etc.

IDC 21 22:31:21.6, 1.1, 53.70N; 163.80W, h0km, mb4.3/29, mbtmp4.3/33, ML3.9/4, MS3.6/13, Error ellipse: s-maj=28.3km s-min=11.9km az=166.0

MOS 21 22:31:21.4, 1.1, 53.68N; 163.72W, h12km, mb4.7/39, Error ellipse: s-maj=13.3km s-min=6.2km az=95.1

NEIC 21 22:31:23.1, 1.9, 53.46N; 0.06, 163.72W, 0.06, h17km, 2km,

mb4.3/68,ML4.1/10,ML4.0(AEIC). Error ellipse: s-maj=9.6km s-min=5.0km az=162.0 AEIC 21:22:31.24.1.19.53:46N.0:03:163:68W.0:06:h31km,4km, Error ellipse: s-maj=5.3km s-min=4.3km az=85.0

ISC 21:22:31.22.8.1.1.53:46N.0:06:163:65W.0:03:h16km,6km,n349,r114/350,mb4.5/84,MS3.6/12,8C-7D,Unimak

Table with columns: Code, Station Name, A1, AZ, Op, Phase, ID, H, Time, Res, ISC. Lists various seismic stations like WESE, WECS, WECS, etc.

Table with columns: J20K, Nowinta River, 11.81, 21, Pn, 22 34 10.7 +0.4. Lists various seismic stations and their coordinates.

Table with columns: TIXI, Tiksi, 33.62, 328, P, Iamb, 22 38 00.7 -1.2. Lists various seismic stations and their coordinates.

21d 22h

Table of astronomical observations for 21d 22h, listing stations (ARU, KIRV, FINES, etc.), object names, coordinates, and various parameters.

2018 APR

Table of astronomical observations for 2018 APR, including station codes (GERES, VYHS, CONA, etc.), object names, coordinates, and parameters.

1364

Table of astronomical observations for 1364, listing stations (HYB, GSI, LNH, etc.), object names, coordinates, and parameters.



Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like B22K, EKA, D22K, C23K, etc.

IDC 21 22:41:42.0:2.5, 10:38Sx160:90E, h52km, 22km, mb3.3/4, mtbpm3.8/5, ML4.4/1, Error ellipse: s-maj=44.0km s-min=15.7km

NEIC 21 22:41:41.0:1.6, 10:25S:0:2:161:1E:0:1, h53km, 17km, mb4.1/7, Error ellipse: s-maj=33.9km s-min=3.5km az=207.0

ISC 21 22:41:41.8:1.2, 10:35S:0:1x161:0E:0:1, h62km, m20, r1514/23, mb3.7/6, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like HNR, KOUNC, LIFNC, etc.

MOS 21 23:00:57.9:1.4, 54:97N:112:52E, h9km, mb3.7/1, Error ellipse: s-maj=11.6km s-min=6.7km az=78.9

IDC 21 23:00:57.9:1.1, 54:96N:112:68E, h0km, mb3.3/6, mtbpm3.5/11, ML3.4/5, Error ellipse: s-maj=21.4km s-min=19.0km az=155.0

BYKL 21 23:00:59.0:2.5, 05N:112:46E, h14km, 10km

ISC 21 23:00:58.5:1.1, 55:04N:0:02:112:45E:0:02, h2km, 8km, n63, r244/142, mb3.6/4, 8C-SD, Lake Baykal region

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like YLYR, YLZR, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like UKT, KMO, YOA, etc.

IDC 21 22:41:42.0:2.5, 10:38Sx160:90E, h52km, 22km, mb3.3/4, mtbpm3.8/5, ML4.4/1, Error ellipse: s-maj=44.0km s-min=15.7km

NEIC 21 22:41:41.0:1.6, 10:25S:0:2:161:1E:0:1, h53km, 17km, mb4.1/7, Error ellipse: s-maj=33.9km s-min=3.5km az=207.0

ISC 21 22:41:41.8:1.2, 10:35S:0:1x161:0E:0:1, h62km, m20, r1514/23, mb3.7/6, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like SVKR, NIZB, etc.

MOS 21 23:00:57.9:1.4, 54:97N:112:52E, h9km, mb3.7/1, Error ellipse: s-maj=11.6km s-min=6.7km az=78.9

IDC 21 23:00:57.9:1.1, 54:96N:112:68E, h0km, mb3.3/6, mtbpm3.5/11, ML3.4/5, Error ellipse: s-maj=21.4km s-min=19.0km az=155.0

BYKL 21 23:00:59.0:2.5, 05N:112:46E, h14km, 10km

ISC 21 23:00:58.5:1.1, 55:04N:0:02:112:45E:0:02, h2km, 8km, n63, r244/142, mb3.6/4, 8C-SD, Lake Baykal region

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like KELR, GORB, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like CRS, TRG, UUDB, etc.

IDC 21 22:41:42.0:2.5, 10:38Sx160:90E, h52km, 22km, mb3.3/4, mtbpm3.8/5, ML4.4/1, Error ellipse: s-maj=44.0km s-min=15.7km

NEIC 21 22:41:41.0:1.6, 10:25S:0:2:161:1E:0:1, h53km, 17km, mb4.1/7, Error ellipse: s-maj=33.9km s-min=3.5km az=207.0

ISC 21 22:41:41.8:1.2, 10:35S:0:1x161:0E:0:1, h62km, m20, r1514/23, mb3.7/6, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like VTMR, FFNB, etc.

MOS 21 23:00:57.9:1.4, 54:97N:112:52E, h9km, mb3.7/1, Error ellipse: s-maj=11.6km s-min=6.7km az=78.9

IDC 21 23:00:57.9:1.1, 54:96N:112:68E, h0km, mb3.3/6, mtbpm3.5/11, ML3.4/5, Error ellipse: s-maj=21.4km s-min=19.0km az=155.0

BYKL 21 23:00:59.0:2.5, 05N:112:46E, h14km, 10km

ISC 21 23:00:58.5:1.1, 55:04N:0:02:112:45E:0:02, h2km, 8km, n63, r244/142, mb3.6/4, 8C-SD, Lake Baykal region

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like ORL, MOY, etc.





22d Oh

Table of astronomical observations for 22d Oh, listing station names, codes, and various parameters like elevation, azimuth, and time.

2018 APR

Main table of astronomical observations for 2018 APR, including station names, codes, and parameters for various stations like OBN, AKAS, BVAR, etc.

1368

Table of astronomical observations for 1368, listing station names, codes, and parameters for stations like KBZ, DAVOX, PDAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like BKZ Black Stump Fm, H11S2 WAKE ISLAND Hy 29.93, etc.

Table with columns: PMG, Port Moresby, COEN, Coen, etc. Includes entries like PMG Port Moresby 10.25 130, COEN Coen 1.5nm, etc.

Table with columns: PZH, Ussuriysk Arra, Ussuriysk Arra, etc. Includes entries like PZH Ussuriysk Arra 1.130nm,6.7s, Ussuriysk Arra 47.22 353, etc.

IDC 2200:31:41.4, 0.7, 2.67S, 139.42E, h0km, mb4.5/16, mbmp4.5/18, ML4.8/2, MS3.9/11, Error ellipse: s-maj=31.7km s-min=13.5km az=82.0 NEIC 2200:31:44.1, 1.0, 2.76S, 0.08x139.18E, 0.08, h10km, 1km, mb4.8/76, Error ellipse: s-maj=14.1km s-min=12.6km az=21.0 DJA 2200:31:45.4, 1.0, 3.54S, 133.9E, h24km, 11km, M4.7/23, mb5.2/11, mb4.8/23, MLV5.0/6, MW(mb)4.5/11 ISC 2200:31:43.0, 3.2, 7.78S, 0.04x139.26E, 0.04, h10km, 161, 0.193/153, mb4.8/61, MS3.8/11, 3C-3D, Near north coast of Irian Jaya

22h 1h

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like Princess Elisa, Khabaz, Yreka Blue Hor, etc.

Station lists and error ellipses for various stations, including coordinates and technical specifications.

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual. Lists numerous stations across the region.

2018 APR

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like DNIZ, APMY, TMBK, etc.

Station lists and error ellipses for stations in the 2018 APR section.

Station lists and error ellipses for stations in the 2018 APR section, including coordinates.

Station lists and error ellipses for stations in the 2018 APR section.

Station lists and error ellipses for stations in the 2018 APR section.

Station lists and error ellipses for stations in the 2018 APR section.

Main station list table for the 2018 APR section with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual.

1370

Main station list table for the 1370 section with columns: Station Name, Frequency, Power, and other technical details. Includes stations like ASHO, SMRA, SMRA, etc.



22d 1h

2018 APR

1372

Table of astronomical observations for 2018 APR, 22d 1h. Columns include station name (e.g., ARBE, STAL), object name (e.g., Arbavea, STALIGIAL), magnitude (e.g., 36.90), position (e.g., 337 eP), and other parameters (e.g., P, 01 19 33.6 +4.2).

Table of astronomical observations for 2018 APR, 22d 1h. Columns include station name (e.g., CMAR, PZH), object name (e.g., Chiang Mai Arr, PanZhiHua), magnitude (e.g., 42.60), position (e.g., 92 P), and other parameters (e.g., P, 01 20 18.0 +0.6).

Table of astronomical observations for 2018 APR, 22d 1h. Columns include station name (e.g., SEY, YSS), object name (e.g., Seymchan, Yuzh-Sakhalins), magnitude (e.g., 69.56), position (e.g., 29f eP), and other parameters (e.g., P, 01 23 29.9 +0.3).

Table with columns: LPK, SMTH, SMTH, CTKS, KRBG, KAVA, GADA, GOAD, THAS, THAS, THAS, NVR, NVR, NVR, MMB, MMB, KOKK, BAYC, SRS, SRS, SRS, LIA, LIA, OUR, SOH, KNT. Includes station names, coordinates, and various codes.

ATH 22:02:00-50.8, 37.58N-21.78E, h22km, 3km, ML1, 4/5, Manual Solution by N.Liadopoulos This location: 2020/05/19 10:56:44 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 3 km; Longitude uncertainty: 1 km, Southern Greece

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DRO, DRO, RLOS, KLV, KLV, GUR, GUR, PYL, LTHK, ANX.

IDC 22:02:07-39.7, 2.4, 20.78N-145.07E, h114km, 21km, mb4, 1/27, mbtm04, 4/29, MS3, 2/4, Error ellipse: s-maj=15.8km s-min=11.8km az=84.0

NEIC 22:02:07-40.8, 1.1, 20.81N-07.145, 1E:0.1, h115km, 3km, mb4, 6/266, Error ellipse: s-maj=14.3km s-min=9.8km az=89.0

ISC 22:02:07-38.1, 0.3, 20.80N-10.04, 145.13E-0.07, h100km, n687, 0/97/644, mb4, 6/173, Mariana Islands

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CJJ, CJJ, CJJ, GUM, GUM, INU, INU, INU, JGF, JGF, JMN, JMN, JMN, MJAR, MAJO, MAJO, MJB9, JMM, JMM, JNU, JNU, JNU, JSD, JSD, JSD, JTM, H11S3, H11S1, H11N1, H11N2, H11S2, H11N3, ERM, YHNB, KSR5, KSAR, KS19, KS19, SSLB, SSLB, SSLB, ASAJ, JKA, JKA, JAY, GENI, GENI, SWI, USRK, NJ2, NJ2, NJ2, FAKI, FAKI, TIA, TIA, GTOI, MRSI, TOLIZ.

Large table with columns: TOLIZ, LYN, LYN, HEH, HEH, HEH, PETK, TTSI, COEN, COEN, HHC, KAPI, KAPI, SOEI, SOEI, SOEI, EDFI, SHEM, KSM, LZH, LZH, LZH, KNRA, PLA1, PZH, PZH, PZH, TWSI, CTAO, CTAO, UNL, UNL, UNL, SONM, QIS, WBO, WBO, CRAI, WBE2, WBE2, WRA, WRA, FITZ, FITZ, FITZ, CMAR, CMAR, PWJI, PPBI, KPJI, AS31, ASAR, ASAR, KULM, KULM, CMJI, GOMU, GOMU, DZM, DZM, NIKH, INKA, MBWA, MBWA, MBWA, PSAA0, PSAA0, BILL, UNV, FALS, LCRK, GAMB, MULG, MULG, MULG, S12K, S12K, STKA, STKA, WMO, WMO, SDPT, CHNA, M13K, K13K, S14K, O14K, N14K, TNA, L14K, L14K, M14K, J14K, CHNG, CHNG, F14K, O15K, M15K, L15K, N15K.

Large table with columns: K15K, G15K, R16K, F15K, P16K, N16K, O16K, M16K, L16K, H16K, J16K, CHIR, G16K, I17K, ZAAO, ZAAO, Q16K, O17K, P17K, N17K, L17K, C16K, M17K, K17K, K17K, MK31, MK31, MKAR, MKAR, G17K, H17K, S11, D17K, F17K, F17K, P18K, E17K, MORV, N18K, N18K, RDOO, O18K, O18K, L18K, L18K, C17K, SVW2, M18K, OHAK, OHAK, H18K, H18K, J18K, J18K, F18K, E18K, E18K, G18K, G18K, Q19K, N19K, N19K, GCSA, C18K, C18K, C18K, KDAK, KDAK, L19K, L19K, L19K, P19K, B18K, M19K, TOO, TOO, J19K, J19K, J19K, Q20K, G19K, G19K, F19K, F19K, F19K.

Table with columns for station ID, name, elevation, frequency, polarization, and location. Includes stations like H19K Roundabout Mou, H19K Roundabout Mou, O20K Slope Mountain, etc.

Table with columns for station ID, name, elevation, frequency, polarization, and location. Includes stations like E23K Chandalar, H24K Noodor Dome, C23K Itkilik River, etc.

Table with columns for station ID, name, elevation, frequency, polarization, and location. Includes stations like D28M Stokes Point, G29M Pine Creek, G29M Pine Creek, etc.



Table with columns: Station Name, Frequency, Power, Mode, Time, and SNR. Includes stations like J05D Fort Rock, OR, PINF Pine Mountain, HAWA Hanford, etc.

Table with columns: Station Name, Frequency, Power, Mode, Time, and SNR. Includes stations like 109C Camp Elliot, M, YNR Norris Junction, SHPR Sheep Range, etc.

Table with columns: Station Name, Frequency, Power, Mode, Time, and SNR. Includes stations like ISCO Idaho Springs, ULM Lac du Bonnet, Q24A Divide, etc.

JMA 22:02:10:16.0-0.0,35.2N:01:13:2E:0.1, h14km, MV16/32, SHIMANE HIROSHIMA BORDER, Western Honshu. Includes a table with columns: Code, Station Name, Azimuth, Phase ID, Time, and Res.



Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like CMSA Cobar Meteorol, SHL Shilong, XLT XiLinHaoTe, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like C17K DeLong Mountai, E17K Hotham Inlet, G17K Hotham Mounta, etc.

22d 2h

Table with columns for station code (e.g., H21K, GANI), name (e.g., Melozitna Rive, Castle Rocks), time (e.g., 81.49, 24), and other data (e.g., P, P, 02 41 28.7 +0.3).

18 APR

Table with columns for station code (e.g., HARP, C26K), name (e.g., HAARP, Camden Bay), time (e.g., 84.63, 28), and other data (e.g., P, P, 02 41 44.5 -0.1).

1378

Table with columns for station code (e.g., MLR, BURAR), name (e.g., Muntele Rosu, Bucovina Array), time (e.g., 94.78, 316), and other data (e.g., P, P, 02 42 32.3 -0.8).

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like AGPR, GRGR, BBGH, CRUV, SDDR, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like ILAR, TOR, ESDC, WRA, ASAR, MKAR, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like MBAR, BOS, KKH, NEIC, etc.



1381

Table with columns for station ID, description, frequency, power, and other details. Includes stations like I20K, K15K, SUCK, BERG, GLB, NEA2, J16K, WRH, VYRDI, GCSA, GRIN, L14K, MLY, K24K, I21K, CHGN, CCB, HDA, MCARA, WAX, SNH, I17K, M13K, I23K, I23K, I23K, MENT, MDM, COLA, BARK, PTFK, M26K, I20K, KIAG, ISLE, ILAR, S14K, VNF, VNS, L26K, L26K, H21K, H21K, BAGL, I18K, I18K, POKR, I19K, MESA, J25K, J25K, J14K, SCRC, BARN, H17K, H17K, H22K, H22K, IMAR, M27K.

2018 APR

Table with columns for station ID, description, frequency, power, and other details. Includes stations like H23K, H23K, CTG, CTGM, K13K, TABL, LOGN, L27K, L27K, BCAR, H24K, H24K, J26L, YUK2, H16K, SAH1, G19K, G18K, G18K, G21K, G21K, PRP, PRP, G17K, YUK3, YUK3, K27K, K27K, Q28M, Q28M, SDPT, SDPT, CNU4, YUK8, YUK8, G23K, G23K, G16K, G16K, S12K, BCPM, I26K, I26K, H25L, H25L, PN7A, PNL, PNL, PNL, F20K, G24K, G24K, F19K, G15K, G15K, F21K, F21K, EGAK, EGAK, YUKA, ANM, Q17K, Q17K, FYU, YUK6, YUK6, F22K, F22K, M29M, M29M, YUK7, DAWY, I27K, I27K, F15K, F15K, F24K, L29M, L29M, L29M, HYT, HYT, P29M, P29M, N30M, H27K, H27K, E22K, E16K, E16K, I28M, I28M, E23K, E23K, J29N, BMAR, K29M, K29M, M30M, M30M, G27K, Q30N, Q30N, Q30N, PLBC, PLBC, E25K, E25K, N31M, TOLK, TOLK, D19K, D19K, D22K, J30M, J30M, H29M, H29M, RD0C, SKAC, SKAC, SKAC, S31K, S31K, S31K, WHY.

22d 3h

Table with columns for station ID, description, frequency, power, and other details. Includes stations like D24K, I30M, C18K, M31M, C19K, C19K, E27K, E27K, G29M, G29M, D25K, C16K, C16K, FARO, FARO, R32K, R32K, P32M, P32M, JIS, JIS, SIT, SIT, SIT, SIT, UNV, UNV, N32M, N32M, B20K, B20K, G30M, G30M, P33M, P33M, B22K, B22K, H31M, H31M, E29M, E29M, D27M, D27M, E29M, E29M, Q32M, Q32M, G31M, G31M, R33M, R33M, U33K, U33K, S34M, S34M, INK, INK, INK, INK, CRAG, CRAG, CRAG, CRAG, DLBC, DLBC, DLBC, DLBC, T35M, T35M, V35K, V35K, DIB, DIB, RUBB, RUBB, C36M, C36M, C36M, C36M, BBB, BBB, A36M, A36M, YKA, YKA, YKA, YKA, RES, RES, NVAR, NVAR, PDAR, PDAR, SPITS, SPITS, ARCES, ARCES, ARCES, ARCES, SONM, SONM, ZALV, ZALV, FINES, FINES, HFS, HFS, KURB, KURB, EKA, EKA, MKAR, MKAR, QSPA, QSPA, IDC 22 03:11:00.4+4.2, 20:43:5; 177:59W, h370km, 40km, mb3.6/10, mbtmp4.3/12, Error ellipse: s-maj=19.1km s-min=14.5km az=94.0, NEIC 22 03:11:00.7+0.1, 20:55:0; 2:177:7W, 0.1, h402km, 8km, mb4.1/23, Error ellipse: s-maj=22.7km s-min=17.9km az=202.0, ISC 22 01:11:03.7+0.0, 20:44:5; 099:177:59W, 0.10, h400km, n50, i156/51, mb4.1/22, Fiji Islands region.





SOME 22 04:28:50.5, 39°53N-71°28E, h0km
KRNET 22 04:28:52.1, 0.1, 39°20N-71°76E, h13km, mb3.7
NNC 22 04:28:54.8, 0.3, 39°20N-71°76E, h13km, mb3.8,
mpv4.0, Error ellipse: s-maj=23.5km s-min=16.6km az=3.0
ISC 22 04:28:52.3, 1.6, 39°20N-0°06:71.78E, 0.103, h3km, gkm,
n67, z=54/105, mb3.5/11, 39C-15D, Tajikistan

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time Res, h m s, ISC. Rows include stations like DRK Karamyk, BTk Batken, OHH Osh, SFK Sufi-Kurgan, ARSB Arslanbob, TRKS Terek-Say, ARK Arkit, ARS Aral, ARLS Arslan, MNAS Manas, UCH Uchtor, MRKS Merke, KK31 Karatay Array, KK32 Karatay Array, KKAR Karatay Array, BRLL Borolday, FRU1 Bishkek, KBK Karagaybulak, CHMS Chumysh, USP Oспенovka, ULHL Ulahol, BOOM Boomskeye usch, TKM2 Tokmak, KST KasteK, DGS Degeres, TARG Taragay, MTBS Matube, KRBS Karabasta, TNSS Tian-Shan, MDOK Medeo, KOTS Kotrybulak, KTBS Karatobe, KTBS Karatobe.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time Res, h m s, ISC. Rows include stations like BTLT Baital, SATY Saty, GEYT Alibeck, MKAR Makanchi Array, KURBB Kurchatov Arra, AB31 Akbulak array, BVAR Borovoye Array, AKTO Aktyubinsk, AKTO Aktyubinsk, AKTO Aktyubinsk, ZALV Zalesovo Beam, ARU Arti, GNI Gani, BELG Bogomye, KBZ Khabaz, SONM Songino Array, FINES FINESS Array B, ARCES ARCESS Array B, HFS Hagfors, GERES GERESS Array B, NOA NORSA Array B, JCJ Chichijima, TORD Torodi Ar. Bea, YKA Yellowknife Ar, WRA Warramunga Arr.

TRN 22 04:56:37.4, 10°34N-62°67W, h2km, MD3.3, Venezuela
near Gulf of Paria.
FUNV 22 04:56:40.6, 10°39N-62°65W, h5km, MW3.0
ISC 22 04:56:38.1, 1.6, 10°31N-0°05:62.69W, 0.04, h7km, 12km,
n14, r125/24, Near coast of Venezuela

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time Res, h m s, ISC. Rows include stations like CRUV Carupano, TRN Trinidad (W), PCRV Puerto La Cruz, GRFF Grenada Fort F, GRGR Grenville, GCMP Grenada, Carri, TACV Tcata, LUEVA Luepa, CACV CAICARA DEL OR, BENV Belin, BENV El Baul, BAUV Bauv, MAPV Macapao, MAPV.

IDC 22 05:10:44.9, 3.0, 30.43AS>177.90W, h0km, mb3.5/2,
mbtpp3.7/3, ML3.2/1, Error ellipse: s-maj=70.9km
s-min=22.9km az=110.0, Kermaadec Islands

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time Res, h m s, ISC. Rows include stations like RAO Raoul Island, URZ Urewera, ASAR Alice Springs, WRA Warramunga Arr, H03S2 Juan Fernandez, H03S1 Juan Fernandez, H03S3 Juan Fernandez, FINES FINESS Array B.

JMA 22 05:17:00.9, 0.2, 34°9N-07°140°1E, 0.8, h69km, 1km,
h3.0/35, SE Off COCO PENINSULA
IDC 22 05:17:02.6, 4.5, 34°53N-07°183°30E, h32km, 44km, mb3.0/3,
mbtpp3.3/4, ML2.5/1, MS3.4/1, Error ellipse: s-maj=58.4km
s-min=29.9km az=64.0
ISC 22 05:17:01.5, 1.0, 34°31N-0°05:140.05E, 0.05, h68km, 7km,
n25, r=046/28, mb3.3/3, Near east coast of eastern

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time Res, h m s, ISC. Rows include stations like HONSHU Honshu, TATJ Tatyama 2, BS04 Boso 4, JKUC kamo-gawauchiur, KTR Katsuura, BS03 Boso 3, JIM2 Oshima 3, JIM2 Oshima 1, BS01 Boso 1.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time Res, h m s, ISC. Rows include stations like JOD2 Odawara 2, JMYK Miyake Tsubota, JIZS Izushima, JMKN Mikurajimanish, JYJN Shimob, JRY Ryogami san, JAG Ashikaga, MJAR Matsushiro Arr, MJAR, KLR Kul'dur, H11N2 WAKE ISLAND Hy, H11N1 WAKE ISLAND Hy, H11N3 WAKE ISLAND Hy, H11S3 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, H11S2 WAKE ISLAND Hy, MKAR Makanchi Array, KURBB Kurchatov Arra, WRA Warramunga Arr.

NCEDC 22 05:23:27.1, 1.3, 36°20N-0°01:120°78W, 0.01, h5km, 4km,
ML3.1/25, ML3.0/62(NEIC), Error ellipse: s-maj=2.0km
s-min=1.3km az=130.0
ANF 22 05:23:28.1, 0.7, 36°19N-120°70W, h10km, 4km, ML3.1/15,
Error ellipse: s-maj=4.6km s-min=2.8km az=111.0
NEIC 22 05:23:27.2, 1.2, 36°20N-0°01:120°78W, 0.02, h5km, 5km,
Error ellipse: s-maj=2.5km s-min=1.6km az=225.0,
Central California

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time Res, h m s, ISC. Rows include stations like PMPB Monarch Peak, PMPB Monarch Peak, PMPB, PPTM Peas-Trial, PJUM Juniper Ridge, PSAM San Ardo, PSMH Smith Mountain, LRC Lone Oak Road, PHM Hops Ranch, LRV Little Rabbit, PKD Bear Valley Ra, PCCM Crazy Canyon, PCCM Vineyard Cayo, PSTM Stockdale Moun, PDRM Domingene Ranc, PPO Portuguese Can, BBNN San Benito, HULI Fort Hunter Li, PSMH Stockdale Moun, BBGG Big Mountain B, PANM San Antonio Re, BSGM Shiritali Guld, ISB Hesperia Broad, PHFM Heflinger Ranc, PKWV Keweenaw, CTM Castle Mountai, PHAM Harlan Ranc, BAVM Antelope Valle, BVL Bear Valley, GHC Gold Hill, PWHM Westad Maint, PSRM Scobie Ranc, BSMM Soledad Missio, PKLM Kerr Lake, PKEM Kettleman Hill, FAMP Ramage Ranc, TCHL Twissland, BJCM Johnson Can, BJOM Mount Johnson, PMRM Maxey Ranc, TCAS Cass Winery, PCHZ Chino Cruz, HAST Hastings Reser, THIS South End of C, TRAM Private Proper, BSLM Silva Ranc, TSCN Private Proper, ARDC Alexander Ranc, BSRM Salinas Radio, BPCNC Pine Canyon, SAO San Andreas Ge, SPMF Ponciano Ridge, FRP Fremont Park, BPOM Post Ranch, PTAM Tassajara Cree, STAS Shell Creek So, HSRM Saint Francis, FTRAY Twissland Ran, PBPM Bitterwater Pa, EFD Emergency Oper, HBTM San Juan Bauti, PACP Pacheco Park, LSCD Los Osos Digit, HFEM San Felipe, HTUM Tustin Road, SLDM San Luis Dam, ANZ Anzar Road, HERM Elkhorn Road, CDC Diablo Creek, CDC Canada Road, HMOM Monterey, HCOM Corn Cob Canyo, HCBM Chamberlain, GHS Gilroy Hot Spr, MYLM Yosemite Lake, SMMC Simmler, SMMC Simmler, SMMC Simmler, JELB Ellicott, Sant, VOG Valley Oaks Go, VOG Valley Oaks Go, VOG, MHDH Hidden Dam, CARC Carrizo Plain, CADM Anderson Res, MYLM Yosemite Lake, JLAB Laurel Hill, COOB Coe Ranch Numb, CRGC Crocker Grade, ARN Arnold Ranch, MHC Mount Hamilton, MTOS Mt Oso, Westie, MRHM Rocky Hill, CMMM Mount Mocho, JJOM Saint Joseph's, VES Vestal, Richgr, VES Vestal, Richgr, VES.

22d 6h

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC, h, m, s, ISC. Includes stations like Mount Lewis, Miami Mountain, Calaveras Res., McPherson Peak, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC, h, m, s, ISC. Includes stations like Vila Bisbo, Marneleite, Sao Teotonio, Barranco-do-Ve, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC, h, m, s, ISC. Includes stations like Korea Array, Matsushiro Arr, Hu-ho-hao-te, etc.

INMG 22 05:38:10.5:1.4, 36:60N:9:76W, h31km, 14km, ML1.3, Error ellipse: s-maj=12.0km s-min=5.0km az=68.0

IDC 22 05:48:30.6:9.2, 47:47N:145:46E, h231km, 84km, mb3.0/6, mbmp3.6/7, Error ellipse: s-maj=70.4km s-min=27.0km az=70.0

IDC 22 05:46:12.3:6.1, 56:29N:156:26W, h0km, mb3.7/9, mbmp3.6/12, ML3.0/3, MS2.9/1, Error ellipse: s-maj=23.3km s-min=17.0km az=136.0

IDC 22 05:46:04.9:0.5, 0:46S:125:59E, h0km, mb4.1/13, mbmp4.1/13, MS3.7/2, Error ellipse: s-maj=35.3km s-min=15.2km az=72.0

IDC 22 05:46:05.8:1.4, 0:48S:107:125:89E, h0.7km, h46km, 9km, mb4.1/22, Error ellipse: s-maj=10.2km s-min=9.2km az=146.0

IDC 22 05:46:04.9:0.5, 0:46S:125:59E, h0.05km, h42km, n56, r1519N, mb4.1/25, Southern Molucca Sea

IDC 22 05:46:12.3:6.1, 56:29N:156:26W, h0km, mb3.7/9, mbmp3.6/12, ML3.0/3, MS2.9/1, Error ellipse: s-maj=23.3km s-min=17.0km az=136.0

IDC 22 05:46:05.8:1.4, 0:48S:107:125:89E, h0.7km, h46km, 9km, mb4.1/22, Error ellipse: s-maj=10.2km s-min=9.2km az=146.0

IDC 22 05:46:04.9:0.5, 0:46S:125:59E, h0.05km, h42km, n56, r1519N, mb4.1/25, Southern Molucca Sea

IDC 22 05:46:12.3:6.1, 56:29N:156:26W, h0km, mb3.7/9, mbmp3.6/12, ML3.0/3, MS2.9/1, Error ellipse: s-maj=23.3km s-min=17.0km az=136.0

IDC 22 05:46:05.8:1.4, 0:48S:107:125:89E, h0.7km, h46km, 9km, mb4.1/22, Error ellipse: s-maj=10.2km s-min=9.2km az=146.0

IDC 22 05:46:04.9:0.5, 0:46S:125:59E, h0.05km, h42km, n56, r1519N, mb4.1/25, Southern Molucca Sea

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like SDPT Sand Point, Q19K Cape Douglas, Q20K Shuyak Island, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like L15K Ungalak Moun, L14K Kuka Creek, H1N Hinchinbrook I, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like RDSO Redoubt South, RDSO Redoubt West, Q19K Cape Douglas, etc.

IDC 22 06:17:43.8±1.6,59:71N±153:29W, h103km,22km, mb3.6/4, mbTps3.98, Error ellipse: s-maj=25.5km s-min=15.4km b±1.6

NEIC 22 06:17:45.0±1.1,59:73N±0:03±153:19W±0.07, h111km,4km, Error ellipse: s-maj=5.3km s-min=5.0km az=91.0

AEIC 22 06:17:46.3±1.3,59:73N±0:03±153:19W±0.07, h102km,4km, ML3.3, mb3.6/2(NEIC), ML3.4/140(NEIC), Error ellipse: s-maj=5.0km s-min=4.9km az=104.0

ISC 22 06:17:44.8±0.7,59:71N±0:05±153:16W±0.05, h112km,5km, n338,±0971/353, mb4.2/4, Southern Alaska

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like P19K Oil Pt, P19K Holitna River, P19K Stony River, etc.

22d 6h

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Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error.

IDC 22 06:23:03.0.9.0.7.20.145:67.16E, h0km, mb4.0/16, mbmp4.0/16, MS4.0/25, Error ellipse: s-maj=23.7km s-min=18.8km az=49.0

GCMT 22 06:23:08.8.0.3.20.242S:0.02:67.17E:0.02, h15km, 1km, MM4.8/101, Moment Tensor Solution. s15,c16; s101,c128; Duration: 0 Moment tensor: Scale 10^16Nm; M0: -0.16; 10; M00: 2.28; 11; M02: 2.12; 10; M03: 0.50; 32; M04: -0.80; 09; M05: 0.19; 29; Best double couple: M02: 3.98000e+16 Np1: 0.500000; 888.000000; lambda: 168.000000; Np2: 0.14500000; 878.000000; lambda: 2.000000; Principal axes: T: 2.4990, P: 10.0000; Azm: 99.0000; N: 0.0000, P: 7.8000; Azm: 228.0000; P: 2.2970; P: 8.0000; Azm: 101.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

Triangular moment-rate function NEIC 22 06:23:09.8:1.0.19.95S:0.1:66.98E:0.09, h10km, 1km, mb4.4/35 Error ellipse: s-maj=22.4km s-min=4.3km az=219.0

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PHRA Phrae, SHL Shilling, CRAI Chiangrai, etc.

IDC 22 06:23:22.6:0.7, 28.18'S:61.94'E, h0km, mb4.2/12, mbmp4.2/13, ML4.0/1, MS4.2/6, Error ellipse: s-maj=24.0km s-min=19.4km az=80.0

IDC 22 06:23:24.1:0.7, 28.85'S:62.61'E, h10km, n28, o=077/14, mb4.2/12, MS4.2/5, Southwest Indian Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like OPO Ambohitrampito, H04N0 CROZET ISLANDS, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like H01W2 Cape Leeuwin H, H01W3 Cape Leeuwin H, H01W1 Cape Leeuwin H, etc.

IDC 22 06:42:50.3:0.3, 0.18'165S:174.02'W, h0km, mb3.5/3, mbmp3.5/3, Error ellipse: s-maj=326.8km s-min=34.7km az=158.0, Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, TXAR Lajitias Array, etc.

RSNC 22 06:50:31.6:0.0, 8'N, 3'x7'W, h-2km, 6km, ML2.3, MLV3.0

FUNV 22 06:50:31.4, 8'20'N:72'08'W, h5km, MW3.1, ISC 22 06:50:29.4:1.3, 8.31'N:0.04:72.11'W, 0.03, h4km, 11km, n12, o=099/23, Venezuela

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CAPV Capacho, PAMC Pamplona, OCAC Ocana, etc.

IDC 22 06:53:29.6:2.3, 8.27'S:117.06'E, h0km, mb3.5/7, mbmp3.5/7, Error ellipse: s-maj=157.7km s-min=21.3km az=52.0

DJA 22 06:53:34.2:2.3, 8'S:4'x11'8E, h23km, 25km, M3.8/8, MLV3.8/8

ISC 22 06:53:35.8:0.9, 7.89'S:0.07:117.61'E:0.06, h35km, n13, o=057/15, mb3.6/6, Bali Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PLAI Plampang, TWSI Taliwang, SRBI Sangaraja, etc.

IDC 22 07:03:09.6:4.2, 6.05'S:141.25'E, h0km, mb3.4/3, mbmp3.4/4, ML3.6/1, Error ellipse: s-maj=255.5km s-min=27.3km az=91.0, Near north coast of New Guinea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, SONMI Songino Array, etc.

NOU 22 07:21:04.8, 38'57'S:176'33'E, h56km, MLV3.5/4, North Island, New Zealand

WEL 22 07:21:04.2:0.6, 39'S:3'x17'6E, h72km, 6km, M3.0/48, ML3.2/47, MLV3.0/48, Error ellipse: s-maj=0.0km s-min=0.0km az=123.0, confirmed, North Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ALRZ Allen Road, WPRZ Whakapaparin, HRRZ Haddock Road, etc.

IDC 22 07:28:46.6:1.5, 12.622N-86.86W, h166km, mb3.27, mbmp3.7/10, Error ellipse: s-maj=32.9km s-min=13.6km az=43.0

CATAC 22 07:28:48.6:0.5, 11.78N-87.50W, h23km, 4km, ML4.0 SNET 22 07:28:48.3:0.8, 12.48N-87.10W, h152km, 7km, ML3.7 UCR 22 07:28:49.2:0.5, 11.44N-87.47W, h0km, 31.3km, MW3.7 ISC 22 07:28:46.0:0.7, 12.45N-0.06:87.00W-0.05, h157km, 5km, n110, s1959/152, mb3.27, 1D, Nicaragua

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists various seismic stations and their recorded data.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists various seismic stations and their recorded data.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists various seismic stations and their recorded data.

NEIC 22 07:30:35.4:0.5, 19.394N:0.010:155:257W:0.004, h21km, 1km, Error ellipse: s-maj=1.5km s-min=0.6km

HVO 22 07:30:34.5:0.6, 19.389N:0.007:155:246W:0.007, h2km, 2km, ML2.9/17, ML2.1/38(NEIC), Error ellipse: s-maj=1.0km s-min=0.9km az=144.0, Hawaiian Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists various seismic stations and their recorded data.

Table with columns: Call sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like MKAR, GNI, KURBB, etc.

Table with columns: HFS, Call sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like NO405, NOA, NOA, etc.

Table with columns: KSR5, Call sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like KSR5, KSAR, TJN, etc.

IDC 22:07:56:23.9.0.6, 34:67N:140:75E, h0km, mb4.0/19, mbmp4.0,22,ML3.73,MS3.2/8, Error ellipse: s-maj=18.6km s-min=13.2km az=76.0

MOS 22:07:56:27.3.1.2, 34:64N:140:76E, h34km, mb4.3/15, Error ellipse: s-maj=13.4km s-min=6.8km az=119.5

JMA 22:07:56:29.6.0.2, 34:7N:0:6:140:6E:0.7, h54km, 1km, MD4.2/31, MV4.1/31, SE OFF BOBO PENINSULA

JMA Felt J1 at SE OFF BOBO PENINSULA NIED 22:07:56:29.6, 34:67N:140:63E, h54km, MW4.2, Moment Tensor Solution. s3 Moment tensor: Scale 10^15Nm

NEIC 22:07:56:29.7.1.5, 34:63N:0:05:140:85E:0.9, h35km, 8km, mb4.3/25 Error ellipse: s-maj=10.9km s-min=7.4km az=97.0

ISC 22:07:56:29.6.0.5, 34:67N:0:03:140:72E:0:05, h36km, 1km, n146, e134/139, mb4.2/43, MS3.5, 6E-13D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, etc. Lists various stations and their coordinates.

Table with columns: Call sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Lists various stations and their coordinates.

22d 8h

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Alice Springs, ASAR, and various array configurations.

ISK 22 08:18:04.1, 40:27N:40:91E, h5km, ML3.2/22
AFAD 22 08:18:05.4, 40:27N:40:92E, h12km, ML3.2/20
TIF 22 08:18:06.6, 40:45N:40:88E, h2km, 2km
IDC 22 08:18:07.2, 2.2, 40:50N:40:82E, h0km, mb3.4/1, mbmp3.3/4, ML2.7/2, Error ellipse: s-maj=29.2km s-min=14.5km az=34.0

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Erzurum-spir, KRIK, and various array configurations.

2018 APR

Table with columns: KELT, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Batumi, Karas, and various array configurations.

IDC 22 08:38:02.3, 0.5, 7:50N:121:71E, h46km, 4km, mb3.8/14, mbmp4.0/14, MS2.8/1, Error ellipse: s-maj=31.8km s-min=10.8km az=63.0
NEIC 22 08:38:02.4, 0.9, 7:44N:121:66E, 0:1, h35km, 6km, mb4.5/78, Error ellipse: s-maj=15.8km s-min=12.9km az=79.0

ISC 22 08:38:01.4, 0.4, 7:46N:121:63E, 0:10, h35km, n97, 0:579/104, mb4.5/11, Mindanao

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like MylDM, DAV, and various array configurations.

1390

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Borovoye Array, BRVK, and various array configurations.

SJA 22 08:41:05.1, 0.6, 23:71S:66:41W, h204km, 9km, ML3.7, MW3.5
GUC 22 08:41:08.0, 8:0, 23:80S:67:06W, h246km, 5km, ML3.8
ISC 22 08:41:03.4, 2.3, 23:78S:66:46W, 0:08, h221km, 18km, n36, 0:2524/55, 8C, Juiuy Province

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like San Lorenzo, SLA, and various array configurations.





Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z. Includes stations like GEYT Alibeck, MKAR Makanchi Array, AB31 2.6km array, etc.

ADC 22:10:37.54-1.2, 27.60N-67.29E, h0km, mb3.7/10, mbmp3.7/11, ML3.3/1, MS2.9/1, Error ellipse: s-maj=30.0km s-min=22.9km az=146.0

ISC 22:10:37.59-1.1, 0.27, 5N, 0.27, 5E, 0.1, h35km, n13, e181/13, mb3.8/10, Pakistan

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z. Includes stations like WSAR Wadi Sarin, GNI Garni, MKAR Makanchi Array, etc.

ADC 22:10:45.46-1.5, 56.46S-26.75W, h44km, 11km, mb4.5/12, mbmp4.7/14, ML4.4/2, MS4.0/26, Error ellipse: s-maj=18.0km s-min=13.0km az=71.0

MOS 22:10:45.46-1.1, 56.45S-26.75W, h51km, mb5.2/11, Error ellipse: s-maj=19.8km s-min=10.3km az=111.3

NEIC 22:10:45.47-5.1, 4.56, 5S, 0.06, 26.63W, 0.07, h43km, 3km, mb5.0/38, Error ellipse: s-maj=16.5km s-min=12.6km az=210.0

BUI 22:10:45.48-0.0, 0.56, 50S-26.60W, h50km, mb5.6/2, MS5.7/2, MS7.5/4.1

ISC 22:10:45.46-0.4, 56.45S-0.06, 26.63W, 0.07, h43km, 3km, h44km, pp-P, n580, n979/587, mb5.0/33, MS4.1/25, 10C-1D, South Sandwich Islands region

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z. Includes stations like HOPE Hope Point, VNA3 Neumayer Olym, VNA2 Neumayer-Watz, etc.

Main table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z. Includes stations like PLTB Pedras Altas, TBOT Tacuaremb, CNLB Canela, etc.

Main table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z. Includes stations like PDRB Porto dos Gac, VILB Vilhena, WLB WLB, etc.

PAL Palisades 104.99 325 P	PKIKP	11 04 02.1 -0.9	TIN Tinemaha, Big 120.76 291 P	PKIKP	11 04 33.8 +0.5	F30M Barrier River 146.94 318 P	PKPbc	11 05 22.5 -0.2
NATX Nacogdoches 105.00 301 P	PKIKP	11 04 02.6 -0.8	BW06 Boulder Array 120.82 302 P	PKIKP	11 04 33.8 +0.3	YUK3 Moose Creek 146.97 307 P	PKPbc	11 05 23.0 -0.3
OAF Oxford 105.03 315 P	PKIKP	11 04 02.2 -1.1	PDAR Pinale Array 120.82 302 PKP	PKPdf	11 04 32.2 -1.2	MESA Mescal 147.04 304 P	PKPbc	11 05 23.3 -0.2
435B Jarrell 105.53 302 P	PKIKP	11 04 03.1 -1.3	NOA NORSAR Array B120.88 20 PKP	PKPdf	11 04 32.1 -0.5	CTG China Glacier 147.06 305 P	PKPbc	11 05 23.3 -0.1
HRV Adam Dziewonski 105.62 327 P	PKIKP	11 04 03.6 -0.5	MLAC Mammoth, Mamm21.51 291 P	PKIKP	11 04 35.2 +0.2	DAWY Dawson 147.29 311 P	PKPbc	11 05 23.3 -0.6
WVT Waverly 105.77 313 P	PKIKP	11 04 03.8 -0.8	NVAR Mina Array Bea 121.84 292 PKP	PKIKP	11 04 36.2 +0.6	BVCY Beaver Creek 147.37 308 P	PKPbc	11 05 24.1 -0.3
MCWV Mont Chateau 105.79 320 P	PKIKP	11 04 04.1 -0.4	FXWY Fox Creek 122.18 301 PKP	PKPdf	11 04 35.9 -0.1	H29M Whiteslone 147.53 315 P	PKPbc	11 05 24.1 -0.3
L61B Northampton 105.91 326 P	PKIKP	11 04 03.8 -0.8	LAO LASA Array 122.29 307 PKP	PKPdf	11 04 35.7 +0.1	G29M Pine Creek 147.59 317 P	PKPbc	11 05 24.3 -0.2
WHTX Lake Whitney, 106.47 303 P	PKIKP	11 04 05.3 -0.8	OBN Obninsk 122.47 37d PKIKP	PKIKP	11 04 37.0 +1.1	BGLC Bering Glacier 147.64 303 P	PKPbc	11 05 25.1 +0.3
P52A Corning 106.60 318 P	PKIKP	11 04 06.4 +0.4	RLMT Red Lodge 122.48 304 P	PKIKP	11 04 37.1 +0.5	CROE Cirque 147.78 304 P	PKPbc	11 05 25.3 -0.1
B35A Binghamton 106.73 324 P	PKIKP	11 04 06.4 +0.1	YERR Yerington 122.74 292 P	PKIKP	11 04 37.9 +0.6	M27K Edge Creek, AK 147.80 308 P	PKPbc	11 05 25.2 -0.2
059Y New Philadelphia 106.80 319 P	PKIKP	11 04 06.5 +0.1	HLID Halley 123.75 299 P	PKIKP	11 04 39.1 0.0	BTO Baotou 147.84 101 ePKPbc	PKPbc	11 05 26.3 +0.1
MIAR Mount Ida 106.86 307 P	PKIKP	11 04 06.6 -0.1	BOZ Bozeman (W) 123.94 303 P	PKIKP	11 04 39.6 +0.2	BTO Baotou 147.84 101 pPKPbc	PKPbc	11 05 26.3 +0.1
WCI Wyandotte Cave 106.96 315 P	PKIKP	11 04 07.3 +0.5	FINES FINESS Array B 124.59 28 PKP	PKPdf	11 04 39.4 -0.2	BTO Baotou 147.84 101 pPKPbc	PKPbc	11 05 26.3 +0.1
LBNH Lisbon 107.31 328 P	PKIKP	11 04 07.5 +0.2	FINES FINESS Array B 124.59 28 PKP	PKPdf	11 04 40.1 +0.1	BTO Baotou 147.84 101 pPKPbc	PKPbc	11 05 26.3 +0.1
ACSO Alum Creek Sta 107.43 318 P	PKIKP	11 04 07.8 +0.2	CMAR Chiang Mai Arr 124.63 110 PKP	PKPdf	11 04 41.5 +0.1	BTO Baotou 147.84 101 pPKPbc	PKPbc	11 05 26.3 +0.1
P49A Miami Univ. Ec 107.48 317 P	PKIKP	11 04 07.0 -0.7	EGMT Eagleton 124.88 306 P	PKIKP	11 04 41.3 +0.2	E29M Blow River 147.90 319 P	PKPbc	11 05 25.0 -0.4
M53A WI Miller and 107.66 320 P	PKIKP	11 04 07.8 -0.1	PLID Pearl Lake 125.64 299 PKP	PKPdf	11 04 42.4 -0.1	I28M Miner Creek 147.93 314 P	PKPbc	11 05 25.1 -0.5
ERPA Erie 108.01 321 P	PKIKP	11 04 09.2 +0.6	OVMT Ovatns Array 126.29 307 PKP	PKPdf	11 04 43.7 +0.1	MCARA McCarthy VSAT 147.98 306 P	PKPbc	11 05 25.5 -0.1
ABTX Abilene, Hawle 108.02 302 P	PKIKP	11 04 08.3 -0.7	AKTO Aktyubinsk 127.32 53 PKP	PKPdf	11 04 44.3 -1.0	MCARA McCarthy VSAT 147.98 306 P	PKPbc	11 05 25.5 -0.6
048B Farmland 108.27 317 P	PKIKP	11 04 09.4 +0.3	KLMR Klimovskoe 127.37 35 ePKIKP	PKPdf	11 04 45.7 -0.4	BCAR Beaver Creek A 147.99 309 P	PKPbc	11 05 25.6 -0.2
LONY Lake Ozonia 108.46 326 P	PKIKP	11 04 09.8 +0.5	NEW Newport 128.46 301 P	PKIKP	11 04 48.1 -0.1	L27K Beaver Creek 148.01 310 P	PKPbc	11 05 25.3 -0.5
CCM Cathedral Cave 108.83 311 P	PKIKP	11 04 10.1 -0.2	ARCES ARCESS Array B 131.20 22 PKP	PKPdf	11 04 52.0 0.0	HNS HongShan 148.02 110 PKPbc	PKPbc	11 05 27.1 +0.5
TUL3 Leonard 108.99 307 P	PKIKP	11 04 10.5 -0.2	ARCES ARCESS Array B 131.20 22 PKP	PKPdf	11 04 52.0 0.0	KAIM Kayak Island 148.09 303 P	PKPbc	11 05 26.0 0.0
SFIN Lafayette 109.13 315 P	PKIKP	11 04 10.9 +0.2	ARU Ari 131.73 48 PKIKP	PKPdf	11 04 53.7 +0.3	EGAK Eagle 148.24 312 P	PKPbc	11 05 26.2 -0.1
WMOK Wichita Mounta 109.37 304 P	PKIKP	11 04 10.5 -1.0	PZH PZHIHua 132.69 107 PKP	PKPdf	11 04 55.6 -0.8	M26K Nabesna, AK 148.31 307 P	PKPbc	11 05 26.6 0.0
AAM Ann Arbor 109.49 319 P	PKIKP	11 04 11.2 -0.2	BVAR Borovoi Array 134.34 58 PKP	PKPdf	11 04 59.1 -0.1	D28M Doyon Point 148.40 321 P	PKPbc	11 05 26.6 0.0
MNTX Cornudas Mount 110.04 297 P	PKIKP	11 04 13.1 +0.3	YKA Yellowknife Ar 136.68 317 PKP	PKPdf	11 05 02.2 -0.3	K27K Chicken 148.41 311 P	PKPbc	11 05 26.0 -0.8
HDIL Hopedale 110.15 314 P	PKIKP	11 04 12.9 +0.3	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	K27K Chicken 148.41 311 P	PKPbc	11 05 26.8 0.0
MSXT Muleshoe 110.62 300 P	PKIKP	11 04 14.4 +0.5	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	F28M Old Crow 148.45 318 P	PKPbc	11 05 26.1 -0.7
AMTX Amarillo 110.84 302 P	PKIKP	11 04 15.1 +0.8	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	F28M Old Crow 148.45 318 P	PKPbc	11 05 26.8 -0.1
L44A Lake County Fo 110.98 316 P	PKIKP	11 04 15.6 +1.4	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	E28M Babbage River 148.54 320 P	PKPbc	11 05 23.9 +0.6
121A Cookes Peak, D 111.91 296 P	PKIKP	11 04 17.0 +0.5	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	E28M Babbage River 148.54 320 P	PKPbc	11 05 27.1 +0.1
KSU1 Kansas State U 112.00 308 P	PKIKP	11 04 16.9 +0.6	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	BMRM Bremner River 148.55 304 P	PKPbc	11 05 27.1 -0.2
GLMI Grayling 112.02 319 P	PKIKP	11 04 17.1 +1.0	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	I27K Kandik River 148.65 314 P	PKPbc	11 05 27.4 0.0
Y22D IRIS P ASSCAL I 112.72 298 P	PKIKP	11 04 18.9 +1.0	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	L26K Log Cabin Wild 148.66 308 P	PKPbc	11 05 27.7 +0.2
Y22F Pascual Instru 112.72 298 P	PKIKP	11 04 18.8 +0.9	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	L26K Log Cabin Wild 148.66 308 P	PKPbc	11 05 27.4 -0.1
SC1A State Center 112.88 312 P	PKIKP	11 04 18.7 +0.9	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	N25K Chitina, Valde 148.76 306 P	PKPbc	11 05 28.1 +0.3
CBKS Cedar Bluff 113.15 306 P	PKIKP	11 04 19.8 +1.3	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	H27K Steamboat Mount 148.77 315 P	PKPbc	11 05 27.8 +0.1
TUC Tucson 113.24 294 P	PKIKP	11 04 19.2 +0.3	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	MENT Mentasta 148.79 308 PKPdf	PKPbc	11 05 22.2 -1.7
214A Organ Pipe Nat 114.00 292 P	PKIKP	11 04 20.2 -0.1	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	Q23K Mendota Island 148.82 301 P	PKPbc	11 05 28.0 -0.1
W18A Petrified Fore 114.94 296 P	PKIKP	11 04 22.5 +0.3	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	HHC Hu-ho-hao-te 148.85 102 ePKPbc	PKPbc	11 05 25.3 +0.5
SDCO Great Sand Dun 114.97 301 P	PKIKP	11 04 22.8 +0.5	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	EYAK Cordova Ski Ar 148.94 303 P	PKPbc	11 05 28.9 +0.7
Q24A Divide 115.77 302 P	PKIKP	11 04 24.2 +0.3	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	G27K Doyon Strip 148.95 316 P	PKPbc	11 05 25.4 +1.4
ECSD EROS Data Cent 115.80 311 P	PKIKP	11 04 23.9 +0.6	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	G27K Doyon Strip 148.95 316 P	PKPbc	11 05 28.5 +0.3
GLA Glamis 115.90 291 P	PKPdf	11 04 24.0 0.0	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	NR1K Norilsk 149.12 39 PKPbc	PKPbc	11 05 28.1 -0.3
MGVE Ogallala 115.91 305 P	PKPdf	11 04 23.5 -0.2	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	NR1K Norilsk 149.12 39 PKPbc	PKPbc	11 05 28.7 +0.3
OVNCO Mesa Verde 115.99 298 P	PKPdf	11 04 23.9 -0.2	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	J26L Joseph Creek 149.16 311 P	PKPbc	11 05 28.8 0.0
WUAZ Wupatki 116.08 295 P	PKPdf	11 04 24.1 -0.3	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	J26L Joseph Creek 149.16 311 P	PKPbc	11 05 28.6 -0.2
IKP In-Ko-Pah, Jac 116.25 290 P	PKIKP	11 04 25.0 +0.3	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	D27M Malcoim River 149.16 321 P	PKPbc	11 05 29.0 +0.4
SWSC Sam W. Stewart 116.33 290 P	PKPdf	11 04 24.4 -0.3	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	I26K Coal Creek Min 149.20 313 P	PKPbc	11 05 28.6 -0.1
MONP2 Monument Peak 116.61 290 P	PKPdf	11 04 25.2 -0.3	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	SCRK Sand Creek 149.20 310 P	PKPbc	11 05 28.8 -0.1
ISCO Idaho Springs 116.65 302 P	PKPdf	11 04 25.4 -0.2	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	E27K Coleen River 149.21 319 P	PKPbc	11 05 29.0 +0.2
BC3 Big Chuckwall 116.70 291 P	PKPdf	11 04 25.2 -0.4	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	HARL HAARP 149.26 307 P	PKPbc	11 05 29.4 +0.4
IRM Iron Mountain 116.93 292 P	PKIKP	11 04 26.3 +0.4	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	KUPU Kutlina 149.33 305 P	PKPbc	11 05 29.4 +0.1
EYMN Ely 117.20 291 P	PKIKP	11 04 27.1 +1.2	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	PAX Paxson 149.37 308 P	PKPbc	11 05 29.9 0.0
MURC Murrieta 117.56 317 P	PKIKP	11 04 27.6 +0.4	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	M24K Tolsona, Glenn 149.63 306 P	PKPbc	11 05 30.1 +0.1
N23A Red Feather La 117.67 303 P	PKIKP	11 04 28.1 +0.7	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	GLI Glacier Island 149.67 303 P	PKPbc	11 05 29.7 -0.3
GMRC Granite Mounta 117.69 292 P	PKIKP	11 04 27.9 +0.4	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	G26K Porcupine River 149.81 316 P	PKPbc	11 05 30.1 0.0
BBRC Big Bear 117.94 290 P	PKIKP	11 04 28.7 +0.5	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	K24K Donnelly Dome 149.92 309 P	PKPbc	11 05 30.4 -0.2
C1S Catalina Islan 118.05 289 P	PKPdf	11 04 28.1 0.0	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	J25K Salcha River, 149.95 311 P	PKPbc	11 05 30.7 0.0
O20A White River Ci 118.16 301 P	PKIKP	11 04 28.6 +0.3	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	SCM Sheep Creek Mo 150.07 305 P	PKPbc	11 05 31.1 0.0
BFSC Mount Baldy Ra 118.30 290 P	PKIKP	11 04 29.2 +0.5	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	F26K Sheenjek River 150.07 317 P	PKPbc	11 05 31.2 +0.4
TUQ Turquoise Moun 118.33 292 P	PKIKP	11 04 29.3 +0.6	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	ZAK Zakamensk 150.11 80 ePKIKP	PKPbc	11 05 31.4 -0.2
SNCC San Nicolas Is 118.52 289 P	PKIKP	11 04 29.2 +0.2	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	ZAK Zakamensk 150.11 80 ePKIKP	PKPbc	11 05 31.4 -0.2
DECC Green Verdugo 118.67 288 P	PKIKP	11 04 30.2 +0.9	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	BMR Burnt Mountain 150.19 317 PKPdf	PKPbc	11 05 26.1 +0.1
GSC Goldstone, Bar 118.68 291 P	PKIKP	11 04 29.8 +0.4	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	PRP Porcupine Dome 150.21 313 P	PKPbc	11 05 31.3 -0.1
MVU Marysvalde 118.83 297 PKPdf	PKPbc	11 04 29.4 -0.2	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	M23K Glacier View 150.24 305 P	PKPbc	11 05 31.5 +0.1
EDW Edwards Air Fo 118.97 290 P	PKPdf	11 04 29.2 -0.7	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	DHY Denali Highway 150.43 308 P	PKPbc	11 05 32.0 0.0
AGMN Agassiz Nation 119.19 314 P	PKIKP	11 04 30.7 +0.9	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	SONM Songino Array 150.44 87 PKPbc	PKPbc	11 05 31.7 -0.8
K22A Casper 119.32 304 P	PKIKP	11 04 30.9 +0.5	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	SONM Songino Array 150.44 87 PKPbc	PKPbc	11 05 32.4 -0.1
ARVC Arvin 119.60 290 P	PKIKP	11 04 31.5 +0.5	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	KNK Knik Glacier 150.46 304 P	PKPbc	11 05 31.7 -0.2
FURC Furnace Creek, 119.61 292 P	PKIKP	11 04 31.3 +0.4	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	WAT6 Susitna Watana 150.46 306 P	PKPbc	11 05 31.9 -0.2
MPMC Manual Prospec 119.62 291 P	PKIKP	11 04 31.7 +0.4	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	H25L Birch Creek 150.48 314 P	PKPbc	11 05 32.1 +0.3
PSUT Pine Spring 119.67 296 PKPdf	PKPbc	11 04 30.5 -0.7	YKA Yellowknife Ar 136.68 317 PKP	PKPpre	11 04 50.6	SML Sawmill 150.52 305 P	PKPbc	11 05 32.2 +0.1
ISAT Isabella, Lake 119.82 290 P	PKPbc	11 04 32.3 -0.7	YKA Yellow					

Table with columns: POKR, RABBIT, BRSE, COLA, D25K, G24K, H24K, MCK, KDAK, KDAK, M22K, OHAK, HOM, Q20K, F24K, NEA2, CAPN, SUT, SUT, SII, I23K, TRF, H23K, C24K, D24K, SKT, OH2K, C20K, N20K, E23K, TOLK, P19K, G27K, BPAW, MLY, COLD, PCLA, CAST, C23K, D23K, H22K, M20K, CHUM, G22K, I21K, O19K, E22K, P18K, F22K, N19K, L20K, H21K, O18K, M19K, D22K, B22K, G21K, L19K, F21K, Q16K, J20K, P17K, M18K, N18K, CHNA, E21K, I20K, M18K, A22K, B21K, H20K, O17K, O17K, J19K, TTA, N17K, P16K, L18K, A21K, D20K, F20K, KRSR

Table with columns: O16K, E20K, J18K, M17K, H19K, D20K, B20K, GCSA, G19K, G19K, N16K, L17K, K17K, F19K, M16K, O15K, D19K, S12K, H18K, G18K, L16K, N15K, C19K, F18K, M15K, A19K, H17K, H17K, J16K, N14K, C18K, I17K, G17K, B18K, L15K, F17K, M14K, K15K, E17K, H16K, RDOO, C17K, G16K, D17K, M13K, MJAR, J14K, G15K, C16K, F15K, CN2, KLR, TEH, Code, Station Name, Az, Phase ID, Time, Res

Table with columns: NWAOL, NWAOL, NWAOL, KLBRR, KLBRR, MUN, MUN, BLDU, BLDU, MORW, MORW, MORW, MEEK, MEEK

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

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

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







Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes entries for MKAR Makanchi Array and KURBB Kurchatov Arra.

TRN 22 13:04:02.2, 15.259N-60.37W, h50km, MD3.6, East of Dominica, Leeward Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Lists various stations like ILAM Ilet Lapin Mar, BAMF Morne Balai, MVM Montagne Vauc, etc.

IDC 22 13:24:55.4, 6.1, 2.277N-94.08E, h72km, 54km, mb3.2/3, mbtmp3.4/4, ML3.6/1, MS3.5/1, Error ellipse: s-maj=155.8km s-min=24.9km az=58.0, Myanmar

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes entries for CMAR Chiang Mai Arr, MKAR Makanchi Array, AKTO Aktyubinsk, etc.

NEIC 22 13:26:08.7, 0.5, 37.166N-0.007-97.78W, 0.01, h5km, 1km, Error ellipse: s-maj=2.0km s-min=1.6km az=343.0

NEIC 22 13:26:08.9, 0.6, 37.164N-0.009-97.79W, 0.01, h5km, 1km, mb\_Lg2.2/15, ML2.5/19, ML2.7/47, Error ellipse: s-maj=1.4km s-min=1.3km az=69.0, Kansas

Large table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Lists numerous stations including KAN01 Argonia South, KAN05 Bluff City Nor, KAN06 Argonia West S, etc.

Table with columns: Code, Station Name, Time, Res. Includes entries for OK031 S. Brethren Rd, R32A Long Quarter, DEOK Depew, etc.

NEIC 22 13:32:40.7, 1.0, 15.359S-0.10x173.72W, 0.09, h55km, 5km, mb4.5/13, Error ellipse: s-maj=15.1km s-min=11.7km az=154.0

NEIC 22 13:32:44.0, 0.8, 15.255S-173.35W, h0km, mb3.9/8, mbtmp3.9/8, MS3.8/5, Error ellipse: s-maj=35.3km s-min=23.0km az=128.0

ISC 22 13:32:38.7, 0.7, 15.415S-0.09x173.59W, 0.09, h50km, n40, s186/25, mb4.3/13, MS3.6/5, Tonga Islands

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

IDC 22 13:32:44.9, 1.3, 0.88N-122.89E, h0km, mb3.2/4, mbtmp3.2/4, MS2.8/1, Error ellipse: s-maj=159.4km s-min=23.1km az=65.0

DJA 22 13:32:55.2, 0.3, 1.4N-121.3E, h38km, 5km, M4.0/10, mb4.2/1, MLV3.9/10

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes entries for IDC 22 13:36:01.3, 3.6, 35.98N-69.47E, h86km, 28km, mb3.4/9, etc.

ISC 22 13:36:03.0, 0.6, 36.242N-0.06x69.46E, 0.05, h100km, n57, s156/163, mb4.0/12, 9C-3N, Hindu Kush region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Lists numerous stations including KBL Kabul, CHGR Chuyangaron, SIMJ Simiganj, etc.





22d 16h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like San Lorenzo, Yavi, Limon Verde, IPOC Station P, etc.

NNC 22 15:48:47.9.1.4, 44.36N-82.59E, h0km, mb3.6, mpv3.2, Error ellipse: s-maj=13.9km s-min=3.4km az=122.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Katmen, Jarkent, DJR, MK31, etc.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Chushyuk, KOTS, MDOK, etc.

IDC 22 15:52:40.2.0.6, 6.12N-125.91E, h0km, mb3.6/5, mbmp3.6/5, Error ellipse: s-maj=203.9km s-min=20.5km az=66.0, Mindanao

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like WARRAMA, ASAR, MKAR, etc.

JMA 22 16:01:17.8-0.2, 34.0N, 0.4-135.2E, h6km, 1km, MV-0.37, CENTRAL WAKAYAMA PREF, Near south coast of western Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like JGT2, JISK, JHS, etc.

IDC 22 16:01:49.4-0.8, 34.87N-132.59E, h0km, mb3.5/10, mbmp3.5/11, ML2.7/1, MS3.5/2, Error ellipse: s-maj=20.8km s-min=18.7km az=179.0

JMA 22 16:01:50.0.0.0, 35.17N-132.59E, h11km, MW3.8, Moment tensor: s3 Moment tensor: Scale 10^14N; Mw=0.81; Mw=6.55; Mw=5.74; Mw=0.94; Mw=1.08; Mw=1.78; Fault plane solution: M6.59000x10^14 NP2: phi=129.00000, delta=82.00000, lambda=18.00000. NP2: phi=221.00000, delta=873.00000, lambda=171.00000.

ISC 22 16:01:50.8-1.0, 35.14N, 0.0-132.60E, h5km, 7km, n51, c1932/40, mb3.5/10, 4D, Western Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Toyota, Kunihi, JMIK, etc.

ANF 22 16:04:16.7-0.2, 37.46N, 118.55W, h13km, 2km, ML3.7/30, Error ellipse: s-maj=2.3km s-min=1.6km az=30.0

NEIC 22 16:04:16.4-0.6, 37.46N, 0.0-118.56W, 0.0, h15km, 2km, Error ellipse: s-maj=2.1km s-min=1.2km az=200.0

NCEDC 22 16:04:16.6-0.8, 37.48N, 0.0-118.55W, 0.0, h14km, 3km, Mw3.6/5, ML3.4/86(NEIC), Mw3.5(REN), Error ellipse: s-maj=2.2km s-min=1.3km az=198.0

REN 22 16:04:18.1-1.1, 37.48N, 0.0-118.54W, 0.0, h12km, 4km, Error ellipse: s-maj=1.9km s-min=1.3km az=201.0

ISC 22 16:04:16.8-0.8, 37.47N, 0.0-118.52W, 0.0, h16km, 5km, n199, c192/27, California-Nevada border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like MFBM, MCDM, CASR, etc.



Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, and various station identifiers like AS31, ASAR, ASAR, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, and various station identifiers like SLA, AF01, FSA, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, and various station identifiers like LL04, VAO, IPMB, etc.

SJA 22 16:49:34.0, 8.2, 204'S:66.90W, h220km, 7km, ML4.0, MW3.9
IDC 22 16:49:35.6, 1.1, 23.96S:66.77W, h190km, 13km, mb3.5/3, mbmp4.0/8, MS3.1/1, Error ellipse: s-maj=18.3km
NEIC 22 16:49:35.4, 1.2, 24.10S:0.07, 66.9W:0.1, h199km, 10km, mb4.1/8, Error ellipse: s-maj=13.6km s-min=9.9km az=108.0

PLCA Paso Flores 16.92 190 P P 16 53 18.8 +0.3
LL04 Puerto Octay 17.44 194 Pn Pn 16 53 26.0 -0.7

BGR 22 16:59:11.1, 18.68S:174.47W, h33km, Ms5.5
IDC 22 16:59:14.8, 0.6, 15.29S:174.60W, h0km, mb4.6/19, mbmp4.6/19, MS5.2/55, Error ellipse: s-maj=21.5km
MOS 22 16:59:15.7, 1.2, 15.28S:174.74W, h10km, mb5.2/30, MS5.3/23, Error ellipse: s-maj=11.0km s-min=9.5km az=78.1

Table with columns for station name, frequency, power, and other technical details. Includes stations like BKZ Black Stump Fm, OTVZ Uturere, PMOR Pomariorio Rse, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like PSA00 Pilbara Seismi, MBWA Marble Bar, MBWA Marble Bar, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like LP1G La Paz, RRX Edison Barstow, NACB Nacchiao, etc.

22d 16h

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like USRK, N17K, W17K, etc.

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Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like M22K, L20K, K20K, etc.

1404

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like J19K, I19K, MCARA, etc.

Table with columns: ANMO, Location, Elevation, Wind, Temp, Humidity, etc. Includes entries like Albuquerque, Talbot Arm, Edge Creek, etc.

Table with columns: Location, Elevation, Wind, Temp, Humidity, etc. Includes entries like Long Hollow, Hotham Inlet, Salcha River, etc.

Table with columns: Location, Elevation, Wind, Temp, Humidity, etc. Includes entries like Klondike Camp, Coldfoot, Uruk River, etc.

22d 16h

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1406

Table with columns: Station ID, Name, Frequency, Power, Mode, and other parameters. Includes stations like FLDN Fort Liard, APMT Aspermont, F26K Sheenik River, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other parameters. Includes stations like HHC Hu-ho-hao-te, HHC Hu-ho-hao-te, HHC comp=Z,13nm,0.7s, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other parameters. Includes stations like A36M Sachs Harbour, SNAA Sanae, SNAA Sanae, etc.



Table with columns: Station, Name, Azimuth, Elevation, Frequency, Mode, and other technical details. Includes stations like Waterbury, Lisbon, Adam Dzewonski, etc.

Table with columns: Station, Name, Azimuth, Elevation, Frequency, Mode, and other technical details. Includes stations like Pruhonice, GO Pecny, CFR Caraliu, etc.

Table with columns: Station, Name, Azimuth, Elevation, Frequency, Mode, and other technical details. Includes stations like Fruska Gora, MYKA Terra Mychta, FETA Feystan, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like LCND La Caada, LCIY Lacayo, CRIN San Cristobal, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like DRKO Durika, CMIG Matias Romero, TEIG Tepic, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like ILBA Ilam Banvizeh, IBDR Badra, ROM 22 17:36:26.8, etc.

Code	Station Name	$\Delta^{\circ}$	AZ $^{\circ}$	Phase	ISC	Time	Res
WOSN				AML	AML		
KLR	Kuldur	6.40	46	Pn	Pn	17 48 11.6	-2.5
KLR	comp=Z,1.6nm,0.3s,baz=222,slow=13,SNR=19			Pg	Pg	17 48 30.9	-0.3
KLR	comp=Z,3.2nm,0.3s,baz=235,slow=16,SNR=12			Lg	Lg	17 49 51.6	
KSR5	Korea Array	7.87	161	Pn	Pn	17 48 36.5	+2.2
KSR5	comp=Z,0.3nm,0.3s,baz=346,slow=13,SNR=8.1			Pg	Pg	17 49 07.5	-2.9
KSR5	comp=Z,1.9nm,0.3s,baz=346,slow=18,SNR=24			Lg	Lg	17 50 56.0	
SOMM	Songino Array	13.00	289	Pn	Pn	17 49 43.7	-0.8
SOMM	comp=Z,0.2nm,0.3s,baz=97,slow=23,SNR=3.7			Sn	Sn	17 52 10.6	+1.4
SOMM	comp=Z,0.2nm,0.3s,baz=91,slow=25,SNR=5.8			Lg	Lg	17 53 24.0	
KURBB	Kurchatov Arra	31.16	297	P	P	17 52 55.1	-3.5
KURBB	comp=Z,0.9nm,0.8s,baz=84,slow=9.8,SNR=8.2			Pg	Pg	17 56 13.2	-1.3
FINES	FINES Array B	55.52	325	P	P	17 57 13.8	-0.1
FINES	comp=Z,1.1nm,0.8s,baz=87,slow=4.7,SNR=4.8			Pg	Pg	17 57 19.2	-1.8
BRTR	Keskin Array B	64.05	301	P	P		
BRTR	comp=Z,0.6nm,0.8s,baz=60,slow=3.7,SNR=4.1			Pg	Pg		
WRA	Warramunga Arr	65.18	170	P	P		
WRA	comp=Z,0.6nm,1.0s			Pg	Pg		

ISC 22 18:01:38.8-1.5, 53.90N, 161.166E, 0.05, h5km, 9km, n56, a1922/64, mb3.8/11, Off east coast of Kamchatka

Code	Station Name	$\Delta^{\circ}$	AZ $^{\circ}$	Phase	ISC	Time	Res
SPN	Mys Shipunski	1.22	229	eS	Pg	18 02 01.8	-0.4
SPN	comp=Z,0.6nm,0.8s			eS	Pg	18 02 16.6	-1.3
KIL	Karymskiy	1.25	277	eS	Pg	18 02 03.9	+0.9
TUMD	Tumrok D	1.47	333	eS	Pg	18 02 08.1	+1.1
NLC	Nalytchevo	1.51	242	eS	Pn	18 02 27.5	+1.5
NLC	comp=Z,1.1nm,0.8s			eS	Pn	18 02 06.3	-0.1
TUMR	Tumrok	1.61	330	eS	Pn	18 02 25.0	-1.4
SMAR	Somma	1.77	250	eS	Pn	18 02 11.0	+1.3
SMAR	comp=Z,1.1nm,0.8s			eS	Pn	18 02 10.8	+0.6
UGLR	Uglovaya	1.77	248	eS	Pn	18 02 31.7	-1.4
KRER	Koryakskii	1.78	237	eS	Pn	18 02 11.0	+0.8
KRER	comp=Z,1.1nm,0.8s			eS	Pn	18 02 13.4	+0.8
AVH	Avacha	1.80	250	eS	Pn	18 02 11.6	+1.1
KRX	Krik	1.82	254	eS	Pn	18 02 11.6	+0.8
KRX	comp=Z,1.1nm,0.8s			eS	Pn	18 02 33.7	-0.5
KOK	Koryaka	1.85	252	eS	Pn	18 02 12.2	+1.0
KOK	comp=Z,1.1nm,0.8s			eS	Pn	18 02 34.5	+0.5
DALK	Dalny	1.89	244	eS	Pn	18 02 12.0	+0.3
DALK	comp=Z,1.1nm,0.8s			eS	Pn	18 02 34.3	-1.5
PET	Petrovovsk	1.95	244	eS	Pn	18 02 13.1	+0.7
PET	comp=Z,1.1nm,0.8s			eS	Pn	18 02 35.5	-1.7
INSR	Institute	1.96	246	eS	Pn	18 02 13.4	+0.8
INSR	comp=Z,1.1nm,0.8s			eS	Pn	18 02 36.5	-0.9
KMNR	Kamenistaya	2.01	338	eS	Pg	18 02 17.7	+0.4
BZP	Bezmyanniy-Pe	2.10	344	eP	Pg	18 02 19.0	0.0
BZGR	Bezmyanniy-Gr	2.10	347	eP	Pg	18 02 18.4	-0.6
BZMR	Bezmyannaya	2.13	344	eP	Pg	18 02 19.8	+0.2
BZWR	Bezmyanniy-We	2.16	344	eP	Pg	18 02 20.5	+0.4
GNL	Ganally	2.16	266	eS	Pb	18 02 17.8	-0.5
KIRR	Kirishev	2.17	342	eP	Pg	18 02 20.0	-0.4
KPT	Kopyto	2.21	340	eP	Pg	18 02 20.7	-0.4
KRMR	Karymskiy	2.32	244	eP	Pn	18 02 18.6	+1.1
KRMR	comp=Z,1.1nm,0.8s			eS	Pn	18 02 34.5	+0.5
RUS	Russkaya	2.35	233	eS	Pn	18 02 19.9	+1.9
RUS	comp=Z,1.1nm,0.8s			eS	Pn	18 02 48.1	+0.9
KOZ	Kozyrevsk	2.37	336	eS	Pb	18 02 22.2	+0.2
KRSR	Krestovskiy	2.39	347	eP	Pb	18 02 23.2	+0.8
PETK	Petrovovsk	2.44	253	Pn	Pn	18 02 20.6	+1.4
PETK	comp=Z,1.1nm,0.8s			Sn	Sn	18 02 51.4	+1.9
KLY	Klyuchi	2.47	348	eS	Pg	18 02 24.1	+0.4
KLY	comp=Z,1.1nm,0.8s			eS	Pb	18 02 55.8	-2.4
MTVR	Mutnovka	2.48	236	eP	Pn	18 02 20.6	+0.7
ESO	Esso	2.62	322	eP	Pn	18 02 24.4	-1.7
ESO	comp=Z,1.1nm,0.8s			eS	Sb	18 02 57.9	-0.6
SRDR	Sredinnyy	2.64	337	eP	Pb	18 02 25.9	-0.7
ASAK	Asachka	2.68	237	eP	Pn	18 02 24.3	+1.8
APC	Apacha	2.81	251	eP	Pn	18 02 26.8	+2.5
BKI	Bering	2.88	61	eS	Pn	18 02 58.2	-2.1
KDTR	Khodutka, Kamc	2.98	227	eP	Pn	18 02 28.0	+1.5
KDTR	comp=Z,1.1nm,0.8s			eS	Pn	18 03 02.3	-0.3
SHEM	Shemya Is, Ala	7.60	94	Pn	Pn	18 03 32.0	+1.9
SHEM	comp=Z,1.1nm,0.8s			Pn	Pn	18 05 21.9	+0.4
ASAJ	Asahikawa	15.78	329	Pn	Pn		
ASAJ	comp=Z,1.1nm,0.8s			Pn	Pn		
TIXI	Tiksi	22.73	334	LR	LR	18 15 41.5	
TIXI	comp=Z,2.91nm,18.3s,baz=192,slow=38			P	P	18 06 52.9	+1.2
MJAR	Matsushiro Arr	23.74	232	P	P		
MJAR	comp=Z,2.0nm,0.8s,baz=18,slow=1.1,SNR=8.5			T	T	18 45 10.3	
H1N2	WAKE ISLAND Hy	34.35	171	T	T	18 45 14.5	
H1N3	WAKE ISLAND Hy	34.37	171	T	T	18 45 15.1	
H1N1	WAKE ISLAND Hy	34.37	171	T	T	18 46 34.9	
H1S1	WAKE ISLAND Hy	35.55	172	T	T	18 46 47.2	
H1S3	WAKE ISLAND Hy	35.56	172	T	T	18 46 48.2	
H1S2	WAKE ISLAND Hy	35.57	172	T	T	18 10 05.8	-0.4
SPITS	Spitsbergen Ar	46.48	351	P	P	18 10 16.8	-2.6
SPITS	comp=Z,4.1nm,0.3s,baz=48,slow=9.1,SNR=5.4			P	P	18 10 20.3	-2.6
KURBB	Kurchatov Arra	48.15	302	P	P	18 10 20.3	-2.6
KURBB	comp=Z,0.3nm,0.5s,baz=61,slow=5.7,SNR=4.0			P	P	18 11 41.8	+1.0
MKAR	Makanchi Array	48.59	296	P	P	18 11 43.7	0.0
MKAR	comp=Z,0.2nm,0.5s,baz=61,slow=7.5,SNR=4.0			P	P	18 12 06.0	-0.1
BVAR	Borovoye Array	50.57	309	P	P	18 12 08.5	-0.4
BVAR	comp=Z,0.3nm,0.3s,baz=53,slow=7.7,SNR=2.0			P	P	18 11 41.8	+1.0
CMAR	Chiang Mai Arr	59.20	259	P	P	18 11 43.7	0.0
CMAR	comp=Z,0.9nm,0.8s,baz=24,slow=6.5,SNR=6.3			P	P	18 12 06.0	-0.1
FINES	FINES Array B	59.72	337	P	P	18 12 08.5	-0.4
FINES	comp=Z,1.0nm,0.7s,baz=30,slow=8.8,SNR=5.8			P	P	18 12 49.7	+1.3
NOA	NORSAR Array B	63.01	344	P	P	18 12 49.7	+1.3
NOA	comp=Z,0.5nm,0.7s,baz=19,slow=6.1,SNR=2.1			P	P	18 13 54.1	+0.6
HFS	Hagfors	63.44	343	P	P	18 12 08.5	-0.4
HFS	comp=Z,0.5nm,0.5s,baz=34,slow=4.7,SNR=1.6			P	P	18 12 49.7	+1.3
TXAR	Lajitas Array	69.52	68	P	P	18 13 54.1	+0.6
TXAR	comp=Z,0.2nm,0.4s,baz=297,slow=5.5,SNR=8.9			P	P	18 21 10.1	
ASAR	Alice Springs	80.86	206	P	P	18 21 10.1	
ASAR	comp=Z,0.3nm,0.8s,baz=18,slow=4.9,SNR=5.6			PKP	PKPpre	18 21 14.5	+0.6
QSPA	South Pole Qui	143.65	180	PKHP	PKHP		
QSPA	comp=Z,1.2nm,1.0s,baz=41,slow=1.9,SNR=2.1			PKP	sPKPpdf		
QSPA	comp=Z,1.8nm,1.1s,baz=321,slow=12,SNR=2.2						

BGR 22 18:31:33.5, 17.94N, 99.67E, h33km, mb4.7  
 BUJ 22 18:31:41.8, 17.98N, 95.91E, h25km, mb4.5/6/1,  
 mB4.9/31, ML4.8/3, Ms4.6/49, M5.7/4, 4/47  
 MOS 22 18:31:42.4, 1.0, 18.31N, 95.97E, h13km, mb4.8/37, Error ellipse: s-maj=10.9km s-min=5.1km az=115.7  
 IDC 22 18:31:42.4, 0.5, 18.33N, 96.06E, h0km, mb4.4/3/2,

mbmp4.4/34, ML3.8/2, MS4.0/17, Error ellipse:  
 s-maj=14.1km s-min=9.9km az=27.0  
 NEIC 22 18:31:43.6, 2.5, 18.25N, 0.04, 96.03E, 0.04, h10km, 1km,  
 mb4.9/110, Error ellipse: s-maj=7.1km s-min=5.2km  
 az=139.0  
 DJA 22 18:31:46.7, 1.8, 18.1N, 4.9, 96.6E, h21km, 16km, M5.4/10,  
 mB6.0/5, mb4.7/10, ML5.6/5, Mw(mb)5.7/5  
 NDI 22 18:31:49.3, 3.1, 18.43N, 95.63E, h10km, mb4.8, MW4.4,  
 mb4.9(NEIC)  
 ISC 22 18:31:46.4, 0.6, 18.24N, 0.04, 95.99E, 0.04, h25km, 4km,  
 n30, a1982/347, mb4.7/145, MS4.2/28, 28C-19

Code	Station Name	$\Delta^{\circ}$	AZ $^{\circ}$	Phase	ISC	Time	Res
CM31	Chiang Mai Arr	2.82	85	Pn	Pn	18 32 27.0	-2.9
CMAR	Chiang Mai Arr	2.82	85	Pn	Pn	18 32 27.3	-2.5
CMAR	Chiang Mai Arr	2.82	85	Pn	Pn	18 32 26.7	-3.1
CMAR	comp=Z,6.1nm,0.3s,baz=264,slow=14,SNR=136			Pg	Pb	18 32 34.2	-1.8
CMAR	101nm,0.3s,baz=264,slow=19,SNR=81			Lg	Lg	18 33 08.5	
CMAR	227nm,0.3s,baz=261,slow=32,SNR=50			LR	LR	18 33 41.8	
CMAR	comp=Z,4.4nm,18.8s,baz=260,slow=44			LR	LR	18 32 27.7	-2.8
CHTO	Chiang Mai	2.87	78	Pn	Pn	18 32 40.4	-2.7
PHRA	Phra	4.04	86	Pn	Pn	18 32 52.1	-2.2
CRAI	Chiangrai	4.59	64	Pn	Pn	18 33 15.0	+3.8
DGPR	DIGLIPUR	5.83	211	eS	Sn	18 34 19.4	+2.1
DGPR	comp=Z,2.4nm,11.3s			eS	Sn	18 33 24.3	+2.2
BELO	BELONIA	6.54	320	eS	Pn	18 33 25.4	+0.7
NONG	Nongkai	6.81	90	P	P	18 33 24.2	-0.8
IMP	Imphat	6.83	344	eP	Pn	18 33 31.0	+1.7
AGT	Agatara	7.14	323	eP	Pn	18 33 30.1	+0.5
TNCH	TengChong	7.15	19	Sn	Sn	18 34 52.6	+2.4
TNCH	comp=Z,1.1nm,1.7s			smax	smax		
TNCH	comp=Z,1.1nm,1.7s			smax	smax		
TNCH	comp=Z,1.1nm,1.7s			smax	smax		
TNCH	comp=Z,1.1nm,1.7s			smax	smax		
PBA	Port Blair	7.26	206	Pn	Pn	18 33 30.3	+2.1
PBA	comp=Z,1.1nm,1.7s			x	x	18 33 32.9	
PBA	comp=Z,1.1nm,1.7s			eS	Sn	18 34 52.8	+0.2
KOHI	KOHIMA	7.64	347	eP	Pn	18 33 39.1	+2.8
SHL	Shillong	8.22	333	Pn	Pn	18 33 43.0	-1.3
SHL	Shillong	8.22	333	Pn	Pn	18 33 43.7	-0.6</



Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
WTTA	Wattenberg	73.05	315	eP	P	18 43 14.1 -0.4
WATA	Walderalm	73.08	315	eP	P	18 43 13.4 -1.2
SQTA	Sankt Quirin	73.34	315	eP	P	18 43 15.7 -0.5
MOTA	Moosalm	73.39	315	eP	P	18 43 15.8 -0.7
RETA	Reutts	73.60	315	eP	P	18 43 16.6 -1.0
FETA	Feichten	73.70	315	eP	P	18 43 17.8 -0.5
SALO	Sair	74.07	313	I Amb	I Amb	18 43 22.2
DAVA	Damuels	74.23	315	eP	P	18 43 20.6 -0.8
LSZ	Lusaka	74.62	248	P	I Amb	18 43 24.4 +0.3
LSZ						18 43 28.7
C16K	Lisburne Hills	76.38	22	I Amb	I Amb	18 43 47.6
KEST	Kesra	76.92	304	I Amb	I Amb	18 43 38.8
KEST	Kesra	76.92	304	P	P	18 43 37.4 +0.4
C18K	Utukok River	77.74	21	I Amb	I Amb	18 43 44.3
DAG	Danmarks Havn	77.79	348	i P	P	18 43 40.0 -0.9
E19K	Tukpahlearik C	78.35	23	I Amb	I Amb	18 43 46.5
D19K	Kuna River	78.86	21	I Amb	I Amb	18 43 48.1
F19K	Shaleruckik Mo	79.60	23	I Amb	I Amb	18 45 31.2
F20K	Avaraart Lake	80.26	22	I Amb	I Amb	18 43 57.9
EKA	Eskdalemuir Ar	80.27	325	P	P	18 43 55.0 +0.1
D22K	Ayikay River	80.52	20	I Amb	I Amb	18 43 59.9
C23K	Ikilik River	80.74	19	I Amb	I Amb	18 43 58.5
LBTB	Lobats	80.88	240	I Amb	I Amb	18 44 03.2
G21K	Allakaket	81.28	22	I Amb	I Amb	18 45 02.0
J18K	Innokko River	81.31	26	P	P	18 44 00.3 -0.1
H21K	Melozima River	81.92	23	I Amb	I Amb	18 44 07.9
D25K	Kavik River	82.29	19	I Amb	I Amb	18 44 06.8
G23K	Bananza Creek	82.42	21	I Amb	I Amb	18 44 07.0
BOSA	Boshof	82.67	237	P	P	18 44 10.1 +1.9
BOSA						18 44 12.1
BOSA	Boshof	82.67	237	P	P	18 44 09.1 +0.9
F24K	Squaw Lake	82.70	20	I Amb	I Amb	18 44 08.6
MLY	Manley	82.97	23	I Amb	I Amb	18 45 08.7
BMAR	Burnt Mountain	83.87	20	P	P	18 44 14.0 +0.3
SUMG	Summit	84.48	348	i P	P	18 44 17.0 -0.1
ILAR	Eielson Array	84.53	23	P	P	18 44 15.7 -1.3
ILAR						18 44 32.6 +0.7
E28M	Bababage River	84.72	18	I Amb	I Amb	18 44 26.4
E29M	Blow River	85.33	17	I Amb	I Amb	18 44 26.0
A36M	Sachs Harbour	85.80	12	I Amb	I Amb	18 44 23.7
J26L	Joseph Creek	85.87	22	I Amb	I Amb	18 44 26.2
ESDC	Sonsecqa Array	85.92	310	P	P	18 44 25.2 +0.6
ESDC	Sonsecqa Array	85.92	310	P	P	18 44 24.9 +0.4
INK	Inuvik	86.59	16	I Amb	I Amb	18 44 30.2
C36M	Paulatuk	88.12	13	P	P	18 44 33.5 -1.0
TORD	Torodi Ar. Bea	89.94	284	P	P	18 44 44.3 +0.2
TORD						18 48 17.4 +0.3
YKA	Yellowknife Ar	95.59	14	P	P	18 45 10.1 -1.0
PDAR	Pinedale Array	114.89	20	PKP	PKIKP	18 50 24.7 -0.8
PPT2	Papeete2	117.94	101	eLR	LR	19 26 22.6
PPT2						19 26 25.1
TAOE	Nuku Hiva Isla	124.82	88	eLR	LR	19 29 23.5
TXAR	Lajitas Array	129.04	22	PKP	PKIKP	18 50 53.5 -0.1
BDFB	Brasilia	145.50	269	PKPbc	PKPab	18 51 24.5 +0.8
CPUP	Villa Florida	154.07	247	PKPbc	PKPbc	18 51 43.8 -0.7

TAP 22 18:35:13.7, 24:48N, 122:43E, h49km, ML3.0, C  
 JMA 22 18:35:13.8, 0.2, 24:1N, 1:22:4E, 0.5, h52km, 2km,  
 MV2.5/17, NW OFF ISHIGAKIJIMA IS  
 ISC 22 18:35:13.4, 1.0, 24:44N, 0.02:122:44E, 0.02, h31km, 11km,  
 n109, r1527/192, Taiwan region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
E0S3	E0S3	0.19	217	eP	Pn	18 35 22.4 +2.5
E0S3						18 35 28.8 +4.8
E0S2	E0S2	0.19	265	eP	Pn	18 35 22.7 +2.3
E0S2						18 35 28.7 +4.5
E0S4	E0S4	0.33	200	eP	Pn	18 35 23.6 +1.8
E0S4						18 35 30.6 +3.3
JYNG	Yonangunijima	0.46	88	i P	Pn	18 35 24.9 +1.0
JYNG						18 35 32.5 +1.5
YOJ	Yonaguni jima	0.52	87	S	Pn	18 35 34.3 +0.9
YOJ						18 35 35.4 +0.8
YOJ						18 35 33.8 +1.3
ESAO	Su ao	0.56	284	eP	Pn	18 35 25.5 +0.3
ESAO						18 35 33.2 -0.3
TWC	Suao	0.57	288	P	Sb	18 35 32.8 0.0
TWC						18 35 32.7 +0.9
EWUT		0.60	271	eP	Pn	18 35 26.7 +0.9
EWUT						18 35 34.6 +0.1
ENA	Nanau	0.64	269	eP	Pn	18 35 26.8 +0.5
ENA						18 35 35.5 +0.1
NDS	Dongshan	0.69	287	eP	Pn	18 35 27.2 +0.2
NDS						18 35 36.5 -0.2
TWB1	Santiao Chiao	0.70	324	eS	Sb	18 35 36.5 -0.1
TWE	Weicheng	0.76	292	eP	Pb	18 35 28.2 +0.1
TWE						18 35 37.8 -0.4
TIPB	Xuangxi	0.77	314	P	Pn	18 35 28.3 +0.1
TIPB						18 35 37.9 -0.8
ETL	Fush Village	0.80	250	eP	Pb	18 35 27.8 0.0
ETL						18 35 39.8 +0.5
NACB	Ninganchiao	0.81	252	P	Pn	18 35 28.8 +0.1
NACB						18 35 40.0 +0.3
ENTT	Nioudou	0.82	284	eP	Pb	18 35 30.3 +1.1
ENTT						18 35 39.8 -0.2
SX11	Grass Mountain	0.83	322	eP	Pn	18 35 29.3 +0.2
LATG	Datong	0.84	277	eP	Pb	18 35 30.1 +0.6
LATG						18 35 41.9 +1.4
FUSB	Fushanzhiyuua	0.84	293	P	Pb	18 35 29.6 0.0
FUSB						18 35 39.9 -0.7
TWD	Chiawan	0.85	246	eP	Pn	18 35 29.2 0.0
TWD						18 35 40.5 -0.2
NFTS	Datong Townshi	0.86	281	eP	Pb	18 35 30.3 +0.5
WDF	Wu-fen Shan	0.87	317	P	Pn	18 35 29.8 +0.3
WDFS						18 35 40.6 -0.6
ETLH	Xiulin Townshi	0.91	256	eP	Pn	18 35 30.4 +0.3
ETLH						18 35 42.8 +0.4
NWL	Wulai	0.92	292	eP	Pn	18 35 30.6 -0.2
NWL						18 35 41.9 -0.5
TNOU	National Taiwa	0.94	320	eP	Pn	18 35 30.2 -0.2
TNOU						18 35 42.0 -0.7
TWA	Mucha	0.95	305	P	Pn	18 35 29.5 -1.1
TWA						18 35 40.9 -2.2
NNSB	Datong	0.96	270	P	Pb	18 35 31.6 -0.1
NNSB						18 35 44.2 0.0
NNS	Nan Shan	0.97	270	eP	Pb	18 35 31.8 0.0
ETM	Tongmen	0.98	242	eP	Pn	18 35 30.8 -0.3
ETM						18 35 43.9 -0.1
NHHD	Xindian Distri	0.98	302	eS	Sn	18 35 43.9 -0.1
YHNB	Yeheng	1.00	284	eP	Pb	18 35 32.2 0.0
YHNB						18 35 44.7 +0.3
NSK	Sanguang	1.01	284	eP	Pb	18 35 32.4 0.0
NSK						18 35 44.9 +0.1
LXIB	Xiulin Townshi	1.02	246	eP	Pn	18 35 31.5 -0.3
LXIB						18 35 44.7 -0.5
SHUL	Shouteng	1.03	231	eP	Pn	18 35 31.4 -0.3
TAP	Taipei	1.04	305	eS	Sn	18 35 45.1 -0.2
FUSS	Fushou	1.11	261	eP	Pn	18 35 33.6 +0.6
FUSS						18 35 47.6 +0.3
WHF	Hehuan Shan	1.11	255	eP	Pn	18 35 33.7 +0.5
WHF						18 35 44.8 -0.2
TWY	Chenhua	1.13	318	eS	Sn	18 35 48.0 +0.4
TWT	Tachien	1.17	261	eP	Pb	18 35 34.9 -0.2
TRW						18 35 49.1 +0.3
IRIF	Iriomote-Funau	1.18	95	eP	Pn	18 35 33.9 +0.1
TDCB	Techi	1.18	261	eP	Pb	18 35 49.0 +0.3
TDCB						18 35 35.3 -0.1
WARBT	Fenglin Townsh	1.20	234	eP	Pn	18 35 33.5 -0.6
WARBT						18 35 47.9 -1.5
EGFH	Guangfu	1.20	231	eP	Pn	18 35 34.1 +0.1
CHGB	Renai	1.22	252	eP	Pn	18 35 34.8 +0.3
CHGB						18 35 48.7 -1.3
NFF	Wufeng Townshi	1.22	279	eP	Pb	18 35 35.9 0.0
NFF						18 35 51.9 +0.5

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
OWD	Renai	1.25	248	eP	Pn	18 35 35.1 +0.3
OWD						18 35 49.6 -1.2
NJD	Zhudong	1.27	284	eS	Sb	18 35 54.2 +1.6
WUSB	Renai	1.29	250	eP	Pn	18 35 35.6 +0.2
WUSB						18 35 51.7 +0.1
LIOB	Emei	1.31	279	eP	Pb	18 35 37.5 0.0
LIOB						18 35 53.7 -0.3
HGSD	Ruisui	1.32	225	eP	Pn	18 35 35.0 -0.7
HGSD						18 35 51.1 -1.2
NSTT	Nanjiang	1.33	279	eP	Pb	18 35 37.4 -0.3
NSTT						18 35 54.6 +0.3
VWDT	VWDT	1.37	241	eP	Pn	18 35 36.6 +0.3
VWDT						18 35 53.5 +0.1
WHP	Taichung City	1.37	264	eP	Pb	18 35 38.2 -0.3
EHY	Hungye	1.38	228	eP	Pn	18 35 35.9 -0.6
EHY						18 35 52.1 -1.7
JKRS	Kuro-shima	1.44	98	eP	Pb	18 35 39.4 -0.2
WCS	Beigang Elemen	1.45	255	eP	Sn	18 35 56.3 +1.0
WCS						18 35 38.2 +0.8
YULB	Yu-li	1.48	225	eP	Pn	18 35 37.3 -0.6
YULB						18 35 54.7 -1.4
EYUL	Yuli	1.49	224	eP	Pn	18 35 37.8 -0.3
EYUL						18 35 56.2 -0.3
TWFI	Yuli	1.50	224	eP	Pn	18 35 37.5 -0.7
TWFI						18 35 55.2 -1.6
SSLB	Suzhuang	1.50	245	eP	Pn	18 35 38.5 +0.2
SMLT	Sun Moon Lake	1.51	249	eP	Pn	18 35 39.2 +0.8
SMLT	</					

22d 19h

Table with columns: ICHU, Yijhu, Time, Res, Pn, S, etc. Lists various stations and their associated times and residuals.

IDD 22 18:36:08.2-1.7, 15.02S; 174.86W, h0km, mb3.6/7, mbtm3.6/7, MS3.7/4, Error ellipse: s-maj=114.2km s-min=23.1km az=149.0

ISC 22 18:36:13.8-1.6, 15.05O; 174.9W, 0.4, h35km, n21, c=544/12, mb3.6/7, Samoa Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, Pn, S, etc. Lists stations like Raoul Island, DZM, URZ, etc.

IDD 22 18:44:26.7-1.6, 6.49N; 122.40E, h0km, mb3.7/4, mbtm3.7/4, Error ellipse: s-maj=223.0km s-min=20.7km az=83.0, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, Pn, S, etc. Lists stations like WRA, ASAR, MKAR, etc.

IDD 22 18:48:00.9-1.6, 33.55N; 45.65E, h0km, mb3.6/9, mbtm3.6/10, ML2.7/1, Error ellipse: s-maj=35.5km s-min=21.9km az=178.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, Pn, S, etc. Lists stations like ILBA, IDBR, KCSI, etc.

2018 APR

Table with columns: QSDN, Sirdan, Time, Res, Pn, S, etc. Lists stations like Sirdan, Sarab, Shabestar, etc.

IDD 22 18:49:30.8-2.1, 6.06S; 142.96E, h0km, mb3.5/3, mbtm3.4/5, ML3.1/2, MS3.3/1, Error ellipse: s-maj=87.1km s-min=31.5km az=106.0, New Guinea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, Pn, S, etc. Lists stations like WRA, Warramunga Arr, Alice Springs, etc.

NEIC 22 18:53:13.6-2.9, 6.07S; 0.08E; 151.9E; 0.2, h10km, 1km, mb4.5/17, Error ellipse: s-maj=30.9km s-min=6.7km az=112.0

IDD 22 18:53:19.9-1.4, 6.02S; 151.68E, h48km, 13km, mb3.8/13, mbtm3.4/5, ML2.2/1, MS4.0/2, Error ellipse: s-maj=23.4km s-min=9.9km az=117.0

ISC 22 18:53:18.1-0.6, 6.01S; 0.08E; 151.8E; 0.1, h36km, n39, c=1541/41, mb4.3/21, New Britain region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, Pn, S, etc. Lists stations like KRVT, RABL, PMG, etc.

IDD 22 18:58:00.9-1.6, 33.55N; 45.65E, h0km, mb3.6/9, mbtm3.6/10, ML2.7/1, Error ellipse: s-maj=35.5km s-min=21.9km az=178.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, Pn, S, etc. Lists stations like STKA, SOEI, BATI, etc.

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Table with columns: BVAR, Borovoye Array, Time, Res, Pn, S, etc. Lists stations like Borovoye Array, KPCM, etc.

IDD 22 19:02:28.8-2.4, 25.17S; 179.68E, h522km, 26km, mb3.2/6, mbtm3.1/7, Error ellipse: s-maj=21.1km s-min=13.3km az=176.0

NOU 22 19:02:28.0, 25.27S; 179.77E, h400km, MLv4.9/7, South of Fiji Islands

ISC 22 19:02:27.0-0.7, 25.27S; 0.08E; 179.8E; 0.1, h500km, n25, c=1941/25, mb3.7/6, South of Fiji Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, Pn, S, etc. Lists stations like MSVF, YAVE, TAYE, etc.

IDD 22 19:16:02.0-0.8, 35.52N; 88.22E, h0km, mb3.7/13, mbtm3.7/19, ML3.3/5, MS3.8/30, Error ellipse: s-maj=22.4km s-min=14.4km az=46.0

Bull 22 19:16:02.3-0.0, 35.34N; 87.80E, h6km, mb4.0/18, c=1941/35, ML3.3/5, MS4.2/19, MS7.3/9/19

ISC 22 19:16:07.4-0.6, 35.50N; 0.08E; 111.0E; 0.07, h35km, n49, c=1933/32, mb3.7/14, MS3.8/29, Xizang

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, Pn, S, etc. Lists stations like GOMU, WMQ, GTA, etc.



Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like PTEO, PBAR, PBAR, GUD, ELAN, ELAN, ELAN, PCVE, PCVE, PCVE, MORF, MORF, MORF, PVAQ, PVAQ, PVAQ, PBDV, PBDV, PBDV, PAB, PAB, PAB, EMIN, EMIN, EMIN, ESDC, ESDC, ESDC, ECAB, ECAB, ECAB, UCM, UCM, UCM, EADA, EADA, EADA, EADA, EADA, PSIM, PSIM, SJPF, SJPF, SJPF, QUIF, QUIF, QUIF, ROSF, ROSF, ROSF, ESAC, ESAC, ESAC, SGMF, SGMF, SGMF, EMOS, EMOS, EMOS, ETOB, ETOB, ETOB, ETOB, ETOB, EPF, EPF, EPF, MFF, MFF, MFF, LFF, LFF, LFF, GRR, GRR, GRR, RJF, RJF, RJF, FLN, FLN, FLN, LDF, LDF, LDF, CAF, CAF, CAF, MTLF, MTLF, MTLF, TCF, TCF, TCF, BGF, BGF, BGF, HYF, HYF, HYF, LASF, LASF, LASF, AVF, AVF, AVF, LOR, LOR, LOR, MD31, MD31, MD31, SSF, SSF, SSF, MDT, MDT, MDT, SMF, SMF, SMF, LOR, LOR, LOR, VIVF, VIVF, VIVF, TISM, TISM, TISM, OUZM, OUZM, OUZM, OUZM, OUZM, OUZM, TTIG, TTIG, TTIG.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like TTIG, SFTF, MEZF, MEZF, MEZF, BAIF, BAIF, BAIF, CABB, CABB, CABB, PAGF, PAGF, PAGF, Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like PB09, PB09, PB09, LVC, LVC, LVC, LVC, LVC, LVC, PB01, PB01, PB01, PB07, PB07, PB07, PB02, PB02, PB02, PB06, PB06, PB06, PB08, PB08, PB08, PB04, PB04, PB04, PB05, PB05, PB05, PB15, PB15, PB15, PATCX, PATCX, PATCX, HMBC, HMBC, HMBC, HMBC, HMBC, TA01, TA01, TA01, PB05, PB05, PB05, PB05, PB05, PB05, GO01, GO01, GO01, GO01, GO01, GO01, GO02, GO02, GO02, AC01, AC01, AC01, AC02, AC02, AC02, LPAZ, LPAZ, LPAZ, BBSO, BBSO, BBSO, PTLS, PTLS, PTLS, WBLD, WBLD, WBLD, AQDB, AQDB, AQDB, ETMB, ETMB, ETMB, RVDE, RVDE, RVDE.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like SALV, PDRB, PLTB, BB19B, SNDB, NPGB, IPMB, MACA, ITTB, SMTB, MALB, GQAF, MCBP, GSPA, TORO, TORO, TORO, YKA, YKA, YKA, ASAR, ASAR, ASAR, WRA, WRA, WRA, MKAR, MKAR, MKAR, Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like MSVF, MSVF, MSVF, NIUE, NIUE, NIUE, PINNC, PINNC, PINNC, DZM, DZM, DZM, KOUNC, KOUNC, KOUNC, EIDS, EIDS, EIDS, ARMA, ARMA, ARMA, ARMA, ARMA, ARMA, CTAO, CTAO, CTAO, STKA, STKA, STKA, STKA, STKA, STKA, BBOO, BBOO, BBOO, WRO, WRO, WRO, WRO, WRO, WRO, AS31, AS31, AS31, ASAR, ASAR, ASAR, ASAR, ASAR, ASAR, WB0, WB0, WB0, WB2, WB2, WB2, WRAB, WRAB, WRAB, WRA, WRA, WRA, WRA, WRA, WRA, MTN, MTN, MTN, FORT, FORT, FORT, PSA00, PSA00, PSA00, GIRL, GIRL, GIRL, TOL2, TOL2, TOL2, CASY, CASY, CASY, QSPA, QSPA, QSPA, MJAR, MJAR, MJAR, ASAJ, ASAJ, ASAJ, TPUB, TPUB, TPUB, TPUB, TPUB, TPUB, PETK, PETK, PETK, KSRS, KSRS, KSRS, ILAR, ILAR, ILAR, CMAR, CMAR, CMAR, SONM, SONM, SONM, MKAR, MKAR, MKAR, KURBB, KURBB, KURBB, BVAR, BVAR, BVAR, ARCES, ARCES, ARCES, FINES, FINES, FINES, HFS, HFS, HFS, AKASE, AKASE, AKASE, BRTR, BRTR, BRTR, MMAL, MMAL, MMAL, GERES, GERES, GERES, Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like JKO, JKO, JKO, JSKK, JSKK, JSKK, JSNO, JSNO, JSNO, Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like JMA, JMA, JMA, Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like JMA, JMA, JMA.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and station details for various locations like KKO, JSKK, JNIO, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and station details for locations like JMA, JKO, JSKK, etc.

Technical data for station JMA: IDC 22:20:49:33.0, 5.34, 17N, 139.30E, h0km, mb3.8/18, mbmp3.9/24, ML3.7/5, MS3.6/26, Error ellipse: s-maj=15.8km s-min=10.8km az=76.0

Technical data for station JMA: MOS 22:20:49:34.1, 1.1, 34, 19N, 139.32E, h20km, mb4.5/13, Error ellipse: s-maj=13.1km s-min=6.4km az=102.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and station details for various locations like JKO, JSKK, JNIO, etc.

Main table with columns: Station Name, Az, Phase ID, Time, Res, and station details for locations like ERM, KRSR, ASAJ, JKA, USRK, etc.

Main table with columns: Station Name, Az, Phase ID, Time, Res, and station details for locations like PZH, BILL, TIXI, CMAR, etc.

22d 20h

Table with columns: ID, Name, Elevation, Wind, Temp, Humidity, etc. Includes entries like M18K Stony River, TTA Talatina, E19K Redstone River, etc.

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Table with columns: ID, Name, Elevation, Wind, Temp, Humidity, etc. Includes entries like C24K Franklin Bluff, WAT1 Susitna Watana, MDM Murphy Dome, etc.

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Table with columns: ID, Name, Elevation, Wind, Temp, Humidity, etc. Includes entries like L29M L29M, G30M tAoh Zrai Nji, PNL Peninsula, etc.

Table with columns: Call Sign, Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like RLMT Red Lodge, ARVC Arvin, R11B Troy Canyon, etc.

IDC 22 21:00:19.8, 1.4, 2.96N-65.30E, h0km, mb3.7/9, mbtmp3.7/10, ML3.4/1, MS3.7/13, Error ellipse: s-maj=41.0km s-min=22.8km az=49.0

ISC 22 21:00:21.2, 1.6, 3.0N-0.3, 65.3E-0.2, h10km, n28, -0.52/11, mb3.7/9, MS3.6/12, Carlsberg Ridge

Table with columns: Code, Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like PALK Pallekele, WSAW Wadi Sarin, MBAR Mibara, etc.

Table with columns: Call Sign, Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MKAR Makanchi Array, BRTR Keskin Array, LBTR Lobatse, etc.

PRU 22 21:01:40.4, 50.07N, 18.45E, h0km, Poland

Table with columns: Code, Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like OKC Ostrava-Krasne, OKC Ostrava-Krasne, etc.

NEIC 22 22:30:10.2, 1.1, 58.9S:0.1, 25.4W:0.2, h72km, 8km, mb2.6/25, Error ellipse: s-maj=17.8km s-min=14.2km az=220.0

IDC 22 22:30:13.8, 5.1, 58.91S:25.13W, h102km, 46km, mb4.0/7, mbtmp4.4/9, MS3.5/12, Error ellipse: s-maj=26.9km az=18.0km

ISC 22 22:30:08.3, 0.5, 58.88S:0.08, 25.25W:0.09, h50km, n63, az=250/50, mb4.6/15, MS3.4/11, 8C-1D, South Sandwich Islands region

Table with columns: Code, Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like HOPE Hope Point, VNA1 Neumayer-Stat, VNA3 Neumayer Olymp, etc.

Table with columns: Call Sign, Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like BDFB, LVC Limon Vete, LBTB Lobatse, etc.

IDC 22 23:06:59.5, 8.2, 15.86S:176.94W, h347km, 82km, mb3.4/9, mbtmp4.1/9, Error ellipse: s-maj=29.9km s-min=20.4km az=144.0

NEIC 22 23:03:01.1, 1.6, 16.0S:0.1, 176.8W:0.1, h383km, 7km, mb3.9/0, Error ellipse: s-maj=22.5km s-min=12.3km az=150.0

ISC 22 23:07:04.3, 0.5, 16.1S:0.1, 176.8W:0.1, h400km, n136, az=083/132, mb4.2/55, Fiji Islands region

Table with columns: Code, Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MSVF Nonsavu, MARNC Mare, LOYALTY Loyalty, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, Power, and other technical details for various stations.

Table listing station information for CONA, RONA, WATA, WTTA, MOTA, DAVA, ABTA, FNA, and various other stations with technical specifications.

Table listing station information for ATAH, MACC, NORC, PTBC, ZARC, JTS, LPZA, MDP, CPUP, BDBF, TXAR, NVAR, ULM, YKA, ASAR, WRA, WRA, ASAR, MKAR, KURBB, TORD, CHKT, EDH, CHKH, LONT, ECBN, EYUL, TWF1, YULB, TWGB, TTTN, ELDTW, TWG, TWG, HGSB, EHYH, EHYH, EHY, EHY, STYH, STYH, STYT, ECL, ECL, WARBT, SLGT, SLGT, ALS, ALS.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like WTP, WDT, VVDT, SGST, TPUB, SHUL, SSD, TSMG, ESL, CHN4, CHN1, WHYT, WCKO, MASBT, TAW, EAST, SNST, SCST, SSSL, TAWH, TEYL, TWK, SGLT, TSPT, TWM1, ETM, OWD, CHN3, SMLT, HWA, SHHT, CHN2, LXIB, WUSB, SCZT, WJS, TYC, WGK, CHY, WDLH, SSHA, LAY, CHGB.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like CHGB, WPL, TWD, WNT, LYUB, ICHU, TAI1, DPDB, WNT1, WCS, WHF, WSSB, WTK, CHN8, NACB, ET LH, WSL, WYL, TWP, WWF, HEN, TSKC, TSCK, TWT, TDCB, WSF, TWK1, TWKBT, TSEB, WRL, RLNB, TCU, WCHH, WHP, EWS4, NNSB, NNS, TWQ1, ENA, EWUT, WDJ, NSY, NSY, LATG.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like EOS3, NDT, EOS2, ESAO, NMLH, ENTT, NFF, WDG, WDG, NDS, TWC, NSTT, YHNB, NSK, LIOB, TWE, FUSB, FUSB, NWLT, PHUB, PNG, VCHM, VCHM, TIPB, JYNG, NWF, YOJ, YOJ, SX11, ANP, ANP, HATJ, VVUC, VVUC, JKRS, JKRJ, JJJ, PTMZ, PTMZ, KNM, KNM, KNMB, KNMB, JISG, MATB, MATB, ZPLA, ZPLA, MHZO, MHZO.

ICD 22:39:25.0±0.7, 38:52N±7.10E, h0km, mb4.0/27, mbtmp4.1/33, ML3.5/6, MS3.7/19, Error ellipse: s-maj=13.7km s-min=10.8km az=1.0 BUJ 22:39:26.3±0.0, 38:59N±7.311E, h12km, mb4.3/29, m34.7/10, ML4.2/5, Ms4.1/13, Ms7.3/13 MOS 22:39:27.3±1.3, 38:71N±7.308E, h16km, mb4.6/27, Error ellipse: s-maj=6.5km s-min=3.8km az=96.9 SOME 22:39:27.6, 38:08N±72:82E, h5km NEIC 22:39:30.5±2.4, 38:73N±0.05:73:07E±0.08, h21km, 5km, mb4.5/41, Mw4.3/24, Error ellipse: s-maj=9.1km s-min=7.4km az=109.0, Moment Tensor Solution. Moment tensor: Scale 10^15Nm; Mr=1.22; Mw=2.60; M3.82; M3.165; M3.024; Mr=0.42; Fault plane solution: M3.79000x10^15 Np1.221.97000; 863.42000; 1.22.30000; NP2.322.37000; 870.16000; 1.151.60000; Principal axes: T: 3.8524, P1g4.0000; Azm91.0000; N: -0.1337, P1g56.0000; Azm354.0000; P: 3.7186, P1g34.0000; Azm184.0000; NEIC 22:39:30.6, 38:73N±73:07E, h22km NNC 22:39:32.2±1.7, 39:14N±72:85E, h0km, mb4.9, mpv4.5, Error ellipse: s-maj=13.7km s-min=9.3km az=172.0 ISC 22:39:28.2±0.3, 38:69N±0.03:72:93E±0.03, h10km, n280,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various frequency/offset values. Includes stations like Karamyk, Osh, Garm, Batken, Kashi, Arslanbob, Arslanbob, Chuyangaron, etc.

Table with columns: KRBS, Karabastau, Frequency, and various offset values. Includes stations like Karabastau, Alma-Ata, Medeo, Karatobe, Chushkaly, etc.

Table with columns: KURBB, Kurchatov, Jhansi, Akbulak array, Boroyove, etc. Includes stations like Kurchatov, Boroyove, Akbulak array, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like Storozhevoye, Voronezh, PanZhiHua, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like MOA, KRSR, OBKA, GEC2, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like ICHK, ISAD, TKDS, etc.

TEH 22:23:44:23.1, 31°33N-56°34E, h6km, 11km, ML4.5
IDC 22:23:44:24.0-7.3, 31°15N-56°23E, h0km, mb4.1/23,
mbmp4.1/30, ML3.9/7, MS3.8/23, Error ellipse:
s-maj=14.5km s-min=13.0km az=1.0
THR 22:23:44:24.7-0.8, 31°32N-56°40E, h14km, 8km, ML4.5
DSN 22:23:44:25.3, 1.2, 31°17N-56°27E, h20km, mb4.6/27, Error
ellipse: s-maj=6.7km s-min=4.9km az=103.5
NEIC 22:23:44:26.3, 1.8, 31°43N-07°56'E, h10km, 1km,
mb4.3/50, Error ellipse: s-maj=13.7km s-min=6.2km
az=153.0
ISC 22:23:44:25.8-0.3, 31°29N-07°03-56°30E-0.03, h10km, n299,
c1943/288, mb4.3/85, MS3.9/21, 10C-1D, Northern and
central iran

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like ZRDN, ISAF, KHGB, etc.





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Table with columns for station name, SNR, azimuth, elevation, and other parameters. Includes stations like ERKS2 Erkin-Say, AAK Ala-Archa, MRKS Merke, and CHMS Chumysh.

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Main table with columns for Code, Station Name, Azimuth, Elevation, Phase ID, and Time. Includes stations like CHKK Chushkaly, SATY Saty, ARX Arhary, and others. Contains a detailed note about KRNET coordinates and error ellipses.

23d 0h

Table with columns for station name, SNR, azimuth, elevation, and other parameters. Includes stations like MRKS Merke, ULHL Ulahol, BOOM Boomsokoye usch, and others.



Table with columns: OWD, Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, Res, ISC. Includes stations like CHGB Renai, NNSB Datong, WUSB Renai, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, Res, ISC. Includes stations like NMLH Miaoli, TWB1 Santiao Chiao, WFSB Wu-fen Shan, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, Res, ISC. Includes stations like KURBB Kurchatov Arra, BVAR Borovoye Array, ANF 23 00:46:08.0, etc.

Table of station data for the left column, including call signs like BFSC, 109C, 109C, etc., and their associated frequencies and parameters.

Table of station data for the middle column, including call signs like PIX, GMM, 214A, etc., and their associated frequencies and parameters.

Table of station data for the right column, including call signs like KDAC, NVAR, KSRS, etc., and their associated frequencies and parameters.

Technical notes and identifiers such as 'IDC 23:01:02:00.8-0.6, 15.32S, 174.66W, h0km, mb4.0/12, mbmp4, 1/13, ML3.7/1, MS3.9/36, Error ellipse: s-maj=30.0km s-min=16.4km az=138.0'.

Technical notes and identifiers such as 'IDC 23:01:18:12.9, 1.2, 18.80S; 168.01E, h0km, mb3.9/7, mbmp3.9/8, ML3.6/1, Error ellipse: s-maj=39.5km s-min=25.5km az=133.0'.

Technical notes and identifiers such as 'IDC 23:01:18:15.9, 0.9, 19.00S; 160.10E, 0:1, h20km, n14, s-min=15.15, mb3.9/7, Vanuatu Islands'.

Table of station data for the bottom right section, including call signs like LIFNC, MARNC, YATNC, etc., and their associated frequencies and parameters.



23d 2h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ROSC El Rosal, UREC San Jos de Ur, VILC Villavicencio, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like OBL Observatory Le, WRMH West Rim, UWB Uwekahuna B, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like COEN Coen, KRVT Keravat (AS076), LBMI Labuha, etc.



23d 2h

Table with columns for station ID, name, elevation, date, and other metrics. Includes stations like CHGR Chuyangaron, M13K Dall Lake, SIMJ Simiganj, etc.

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Table with columns for station ID, name, elevation, date, and other metrics. Includes stations like TTA Talatina, C17K DeLong Mountain, H18K Honhosa River, etc.

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Table with columns for station ID, name, elevation, date, and other metrics. Includes stations like E22K Anaktuvuk Pass, E22K Anaktuvuk Pass, H23K Yukon River, etc.



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23d 3h

Table with columns: Code, Name, Time, Az, Pmax, Pdiff, and various meteorological data points.

Table with columns: Code, Name, Time, Az, Pmax, Pdiff, and various meteorological data points.

Table with columns: Code, Name, Time, Az, Pmax, Pdiff, and various meteorological data points.



Table with columns: Station Name, Time, Azimuth, Elevation, SNR, and other parameters. Includes stations like WRA, WB2, XMI, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, SNR, and other parameters. Includes stations like QLU, JNU, KLRB, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, SNR, and other parameters. Includes stations like BJI, YNG, YNG LZH, etc.

# 23d 4h

HYB		eSP	sP	04 14 16.4 -2.2
HYB		ePcP	PcP	04 15 21.4 -0.2
HYB		ePP	PP	04 15 53.2 -0.1
HYB		eS	P	04 21 02.9 +1.4
HEH	HeiHe	2 eP	S	04 14 01.1 +0.1
HEH	comp=Z,60nm,0.7s	PcP	PcP	
ULN	comp=Z,140nm,6.0s	PcP	PcP	
ULN	Ulaanbaatar	49.82 344	I	04 14 01.8 -1.4
ULN	comp=Z,15nm,0.5s	P	P	04 14 05.3
ULN	Ulaanbaatar	49.82 344	I	04 14 02.8 -0.5
ULN	Ulaanbaatar	49.82 344	I	04 14 02.7 -0.5
ULN	comp=Z,14nm,1.0s	PcP	PcP	
SOMM	Songino Array	49.98 343	P	04 14 03.2 -1.2
SOMM	Songino Array	49.98 343	P	04 14 03.7 -0.7
SOMM	comp=Z,1.0nm,0.6s,baz=156,slow=8.2,SNR=38	PcP	PcP	
SOMM	comp=Z,6.5nm,0.7s,baz=167,slow=3.9,SNR=5.4	PcP	PcP	
GRNR	Gornyy	50.88 9	I	04 14 12.0 +1.0
GRNR	comp=N,9.0nm,0.9s	P	P	
GRNR	comp=Z,30nm,0.7s	PcP	PcP	
TYV	Tymovskoe	52.19 14	eP	04 14 21.9 +1.2
TYV	comp=Z,21nm,0.9s	P	P	
TYV	comp=Z,100nm,4.4s	PcP	PcP	
CIT	Chita	52.29 351	eP	04 14 22.2 +0.6
CIT	comp=Z,123nm,1.4s	P	P	04 14 32.8
ZEA	Zeya	53.04 1	eP	04 14 26.9 -0.1
ZEA	comp=Z,20nm,0.9s	P	P	
ZAK	Zakamensk	53.18 342	eP	04 14 26.9 -1.3
ZAK	comp=Z,7.0nm,1.4s	P	P	
MSVF	Nonsavu	54.68 112	P	04 14 41.1 +1.4
MSVF	Nonsavu	54.68 112	P	04 14 39.5 +0.3
MSVF	comp=Z,29nm,1.2s	I	I	04 14 44.1
MSVF	Nonsavu	54.68 112	P	04 14 39.5 -0.3
MSVF	comp=Z,29nm,1.2s	P	P	
WMQ	Urumqi	54.73 327	eP	04 14 41.0 +1.4
WMQ	comp=Z,260nm,15.7s	LR	LR	
WMQ	comp=Z,610nm,19.9s	LR	LR	
WMQ	comp=Z,360nm,19.9s	LR	LR	
MOY	Monday	55.01 342	eP	04 14 41.4 -0.2
MOY	comp=Z,32nm,1.7s	P	P	
BOD	Bodaibo	57.85 353	eP	04 15 01.7 +0.2
BOD	comp=Z,110nm,1.0s	P	P	
ZSN	Zaisan	58.60 329	eP	04 15 06.0 -1.0
ZSN	comp=Z,13nm,0.6s,baz=329	P	P	
ZSN	Zaisan	58.60 329	eP	04 15 06.0 -1.0
ZSN	comp=Z,13nm,0.6s	P	P	
JCZ	Jackson Bay	58.72 145	P	04 15 09.6 +1.6
PEA0B	Petrovlovsk-	58.79 22	P	04 15 08.7 +0.5
PEA0B	comp=Z,30nm,0.8s	I	I	04 15 10.0
PEA0B	Petrovlovsk-	58.79 22	eP	04 15 09.0 +0.8
PEA0B	Petrovlovsk-	58.79 22	P	04 15 08.7 +0.5
PEA0B	comp=Z,33nm,0.8s,baz=191,slow=4.5,SNR=24	PcP	PcP	
PETK	comp=Z,10nm,0.8s,baz=228,slow=3.6,SNR=3.7	LR	LR	04 41 47.3
PETK	comp=Z,10nm,19.9s,baz=228,slow=37	LR	LR	
NIL	Nilore	59.03 310	P	04 15 08.7 -1.6
NIL	Nilore	59.03 310	P	04 15 08.7 -1.6
NIL	comp=Z,125nm,1.4s	P	P	
NIL	Nilore	59.03 310	P	04 15 09.5 -0.8
NIL	Nilore	59.03 310	P	04 15 23.8 -0.6
SHLS	Shalkode	59.12 322	eP	04 15 08.4 -2.4
SHLS	comp=Z,9.4nm,0.6s,baz=322	P	P	
SHLS	Shalkode	59.12 322	eP	04 15 08.4 -2.4
SHLS	comp=Z,9.0nm,0.6s	P	P	
MLZ	Mavora Lakes	59.13 146	P	04 15 11.8 +1.1
PDKG	Podgornoye	59.19 322	P	04 15 10.2 -1.1
WHZ	Wether Hill R	59.37 147	P	04 15 11.2 -1.1
UZB	Uzynbulak	59.38 322	eP	04 15 11.8 -0.9
UZB	comp=Z,12nm,0.5s,baz=322	P	P	
UZB	Uzynbulak	59.38 322	eP	04 15 11.8 -0.9
UZB	comp=Z,12nm,0.5s	P	P	
TARG	Taragay, Kyrgy	59.41 320	P	04 15 13.3 +0.1
TARG	comp=Z,33nm,0.6s	I	I	04 15 17.6
TARG	Taragay, Kyrgy	59.41 320	P	04 15 13.3 +0.1
TARG	comp=Z,33nm,0.6s	P	P	
INZ	Inchbonnie	59.53 142	P	04 15 12.8 -0.7
INZ	comp=Z,24nm,0.9s	I	I	04 15 18.3
KSH	Kashi	59.55 317	P	04 15 14.3 +0.5
KSH	comp=Z,43nm,1.1s	P	P	
MK31	Makanchi Array	59.56 327	I	04 15 15.5
MK31	Makanchi Array	59.56 327	eP	04 15 12.4 -1.3
MKAR	Makanchi Array	59.56 327	P	04 15 12.1 -1.6
MKAR	Makanchi Array	59.56 327	P	04 15 12.9 -0.7
MKAR	comp=Z,46nm,0.7s,baz=123,slow=7.7,SNR=287	PcP	PcP	
MKAR	comp=Z,1.7nm,0.6s,baz=112,slow=5.1,SNR=6.6	S	S	04 16 00.3 -0.3
MKAR	comp=Z,0.9nm,0.7s,baz=116,slow=5.5,SNR=3.6	LR	LR	04 41 38.3
TKNZ	Takaka Hill	59.57 140	P	04 15 14.2 +0.4
SATY	Saty	59.72 321	eP	04 15 14.5 -0.5
SATY	Saty	59.72 321	eP	04 15 14.4 -0.5
LBZ	Lake Benmore	59.72 144	P	04 15 15.4 +0.6
LBZ	comp=Z,44nm,0.9s	I	I	04 15 18.2
MAKZ	Makanchi	59.74 327	P	04 15 13.5 -1.4
MAKZ	Makanchi	59.74 327	P	04 15 13.9 -1.0
MAKZ	Makanchi	59.74 327	P	04 15 14.0 -0.9
MAKZ	comp=Z,44nm,0.9s	PcP	PcP	04 15 00.9 -0.4
ZHN	Zhinshike	59.76 322	eP	04 15 14.3 -0.9
ZHN	comp=Z,15nm,0.6s,baz=322	P	P	
ZHN	Zhinshike	59.76 322	eP	04 15 14.3 -0.9
ZHN	comp=Z,15nm,0.6s	P	P	
RPZ	Rata Peaks	59.85 143	P	04 15 17.7 +2.0
RPZ	comp=Z,58nm,1.2s	I	I	04 15 19.8
TUWZ	Tuamarina	60.41 140	P	04 15 19.4 -0.2
BSWZ	Blackbirch Sta	60.52 140	P	04 15 19.7 +0.6
TCW	Tony Channel	60.52 139	P	04 15 19.5 -0.8
TNSS	Tian-Shan	60.62 321	eP	04 15 20.3 -1.2
TNSS	comp=Z,21nm,0.9s,baz=321	P	P	04 15 20.7 -0.5
TNSS	Tian-Shan	60.62 321	eP	04 15 20.3 -1.2
MDOK	Medeo	60.62 321	eP	04 15 20.7 -0.5
MDOK	Medeo	60.62 321	eP	04 15 20.7 -0.5
ULHL	Ulhol	60.68 320	P	04 15 23.1 +1.4
ARX5	Arkhaly	60.68 322	eP	04 15 20.1 -1.4
TDK	Taldyqorghan	60.76 323	eP	04 15 20.9 -1.0
TDK	comp=Z,32s	P	P	
TDK	Taldyqorghan	60.76 323	eP	04 15 20.9 -1.0
BOOM	Boomskey usch	60.99 320	I	04 15 25.6
BOOM	comp=Z,27nm,1.2s	I	I	
CHKK	Chushkaly	61.01 322	eP	04 15 22.4 -1.3
CHKK	comp=Z,27nm,1.2s	P	P	
CHKK	Chushkaly	61.01 322	eP	04 15 22.3 -1.3
CHKK	Black Stump Fm	61.02 136	P	04 15 24.5 +0.7
BKZ	Black Stump Fm	61.02 136	P	04 15 23.6 -0.2

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URZ	Urewera	61.03 135	LR	LR	04 45 07.5
URZ	comp=Z,106nm,18.3s,baz=24,slow=39	P	P	P	
RTZ	Ruatahuna	61.10 136	P	P	04 15 24.2 -0.2
YAK	Yakutsk	61.41 2	P	P	04 15 25.9 0.0
YAK	comp=Z,22nm,20.0s,baz=180,slow=38	P	P	04 43 55.7	
YAK	Yakutsk	61.41 2	cP	P	04 15 26.0 0.0
YAK	comp=Z,11nm,0.5s	ePP	ePP	S	04 15 43.9 -2.1
YAK	Yakutsk	61.41 2	e	P	04 16 07.4
YAK	Yakutsk	61.41 2	e	P	04 17 40.5
YAK	comp=Z,22nm,20.0s	ePPP	ePPP	P	04 19 09.9
YAK	Yakutsk	61.41 2	eS	S	04 23 41.9 -0.9
YAK	Yakutsk	61.41 2	e'SS	S	04 24 12.6 +0.2
YAK	Yakutsk	61.41 2	e	S	04 25 10.5
YAK	Yakutsk	61.41 2	eSS	SS	04 27 43.0 -1.4
YAK	comp=Z,166nm,1.0s	P	P	P	
YAK	comp=N,26nm,1.1s	P	P	P	
YAK	comp=E,9.0nm,1.0s	P	P	P	
YAK	comp=Z,166nm,3.2s	P	P	P	
YAK	comp=N,43nm,2.7s	P	P	P	
YAK	comp=E,55nm,2.7s	P	P	P	
YAK	comp=N,108nm,5.5s	P	P	P	
YAK	comp=E,66nm,2.8s	P	P	P	
YAK	Yakutsk	61.41 2	P	P	04 15 26.1 +0.2
YAK	Yakutsk	61.41 2	eP	P	04 15 45.5 -0.5
YAK	Yakutsk	61.41 2	P	P	04 15 26.2 -0.5
TKM2	Tokmak 2	61.42 320	P	P	
TKM2	Tokmak 2	61.42 320	P	P	04 15 25.7 -1.0
KBK	Karagaybulak	61.71 310	P	P	04 15 28.5 -0.2
UCH	Uchitor	61.79 319	P	P	04 15 29.3 -0.2
AAK	Ala-Archa	62.00 319	P	P	04 15 23.2 +1.7
AAK	Ala-Archa	62.00 319	P	P	04 15 29.8 -0.7
AAK	Ala-Archa	62.00 319	I	I	04 15 32.8
AAK	Ala-Archa	62.00 319	P	P	04 15 29.9 -0.7
MA2	Magadan	62.05 14	P	P	04 15 31.4 +1.1
MA2	Magadan	62.05 14	P	P	04 15 30.6 +0.3
MA2	Magadan	62.05 14	P	P	04 15 31.2 +0.9
MA2	comp=Z,132nm,0.6s,baz=200,slow=6.5,SNR=75	LR	LR	04 41 19.0	
MA2	comp=Z,40nm,21.7s,baz=225,slow=35	P	P	04 15 31.6 +1.3	
MA2	Magadan	62.05 14	P	P	04 15 31.7 +1.4
MA2	Magadan	62.05 14	cP	P	04 15 31.7 +1.4
MA2	Magadan	62.05 14	P	P	04 15 31.8 +1.5
MA2	Magadan	62.05 14	P	P	04 15 45.5 -1.1
USP	Ospenovka	62.29 320	P	P	04 15 31.8 -0.5
SGDS	Sogindy	62.30 320	eP	P	04 15 31.2 -1.2
SGDS	Sogindy	62.30 320	eP	P	04 15 31.1 -1.2
EKS2	Erkin-Say	62.48 319	P	P	04 15 33.6 -0.1
KBL	Kabul	62.61 309	P	P	04 15 32.7 -2.1
KBL	Kabul	62.61 309	P	P	04 15 33.7 -1.1
KBL	Kabul	62.61 309	P	P	04 15 32.7 -2.1
KBL	Kabul	62.61 309	P	P	04 15 32.7 -2.1
SEM	Sempalatinsk	62.82 329	eP	P	04 15 35.4 -0.6
SEM	Sempalatinsk	62.82 329	eP	P	04 15 35.4 -0.6
ZAAO	Zalesovo Array	62.93 334	P	P	04 15 34.5 -1.8
ZAAO	comp=Z,66nm,1.6s	I	I	04 15 38.2	
ZALV	Zalesovo Beam	62.93 334	P	P	04 15 34.5 -1.8
ZALV	Zalesovo Beam	62.93 334	P	P	04 15 34.8 -1.5
ZALV	comp=Z,12nm,0.5s,baz=118,slow=6.1,SNR=30	P	P		
ZALV	comp=Z,149nm,19.0s,baz=102,slow=38	LR	LR	04 44 45.6	
ZALV	comp=Z,12nm,0.5s	P	P		
BTK	Batken	63.35 315	I	I	04 15 41.9
BTK	Batken	63.35 315	I	I	04 15 41.9
BTK	Batken	63.35 315	I	I	04 15 41.9
BTK	Batken	63.35 315	I	I	04 15 41.9
BTK	Batken	63.35 315	I	I	04 15 41.9
BTLS	Baital	63.43 322	eP	P	04 15 38.5 -1.3
BTLS	Baital	63.43 322	eP	P	04 15 38.5 -1.3
BTLS	Baital	63.43 322	eP	P	04 15 38.5 -1.3
BTLS	Baital	63.43 322	eP	P	04 15 38.5 -1.3
BTLS	Baital	63.43 322	eP	P	04 15 38.5 -1.3
KURBB	Kurchatov Arra	63.84 329	P	P	04 15 41.3 -1.0
KURBB	comp=Z,4.1nm,0.7s,baz=126,slow=6.5,SNR=106	P	P		
KURBB	Kurchatov Arra	63.84 329	P	P	04 15 41.0 -1.3
KURBB	Kurchatov Arra	63.84 329	P	P	04 15 40.8 -1.6
KURBB	Kurchatov Arra	63.84 329	P	P	04 15 41.4 -1.0
KURBB	Kurchatov Arra	63.84 329	P	P	04 15 41.0 -1.3
KURBB	Kurchatov Arra	63.84 329	P	P	04 15 40.8 -1.6
KURBB	Kurchatov Arra	63.84 329	P	P	04 15 41.4 -1.0
KURBB	Kurchatov Arra	63.84 329	P	P	04 15 41.0 -1.3
KURBB	Kurchatov Arra	63.84 329	P	P	04 15 40.8 -1.6
KURBB	Kurchatov Arra	63.84 329	P	P	04 15 41.4 -1.0
KURBB	Kurchatov Arra	63.84 329	P	P	04 15 41.0 -1.3
KURBB	Kurchatov Arra	63.84 329	P	P	04 15 40.8 -1.6
KURBB	Kurchatov Arra	63.84 329	P	P	04 15 41.4 -1.0
KURBB	Kurchatov Arra	63.84 329	P	P	04 15 41.0 -1.3
KURBB	Kurchatov Arra	63.84 329	P	P	04 15 40.8 -1.6
KURBB	Kurchatov Arra	63.84 329	P	P	04 15 41.4 -1.0
KURBB	Kurchatov Arra	63.84 329	P	P	04 15 41.0 -1.3
KURBB	Kurchatov Arra	63.84 329	P	P	04 15 40.8 -1.6
KURBB	Kurchatov Arra	63.84 329	P	P	04 15 41.4 -1.0
KURBB	Kurchatov Arra	63.84 329	P	P	04 15 41.0 -1.3
KURBB	Kurchatov Arra	63.84 329	P	P	04 15 40.8 -1.6
KURBB	Kurchatov Arra	63.84 329	P	P	04 15 41.4 -1.0
KURBB	Kurchatov Arra	63.84 329			

Table of river gauges with columns for ID, Name, Date, Time, Status, and Value. Includes entries like N16K Nishilik Lake, D17K Noatak River, M16K Timber Creek, etc.

Table of river gauges with columns for ID, Name, Date, Time, Status, and Value. Includes entries like K20K Telida, I20K Nasjedeneel, PPT Papeete, etc.

Table of river gauges with columns for ID, Name, Date, Time, Status, and Value. Includes entries like SML Sawmill, D24K Happy Valley, D24K Happy Valley, etc.

Table with columns: Call Sign, Location, Time, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like M27K Edge Creek, BCAR Beaver Creek, D27M Malcom River, etc.

Table with columns: Call Sign, Location, Time, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like MNK comp=E,8.0nm,0.9s, MNK comp=N,10.0nm,0.9s, MNK comp=Z,46nm,0.9s, etc.

Table with columns: Call Sign, Location, Time, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like FMP Fort Macarthur, R11B Troy Canyon, BOZ Bozeman, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like WCI Wyandotte Cave, LONY Lake Ozonia, ERCA Erie, etc.

IDC 23 04:09:03.2,2.6,52.03N,178.16E,h119km,26km,mb3.5/9, mbmp3.9/11,MS3.2/2,Error ellipse: s-maj=34.7km

NEIC 23 04:09:03.8,1.6,51.9N,0.1,178.00E,0.08,h134km,2km, mb4.2/130,ML3.5(AE)IC,Error ellipse: s-maj=17.4km

AEIC 23 04:09:04.9,1.7,51.85N,0.05,178.07E,0.09, h135km,5km,Error ellipse: s-maj=8.1km s-min=6.6km

ISC 23 04:09:04.1,0.8,52.0N,0.1,178.03E,0.05,h135km,5km, n168,0.99/168,mb4.2/55,Rat Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like LSSA Little Sitkin, LSNW Little Sitkin, LSPA Little Sitkin, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like K20K Telida, CNPM China Poot, H19K Roundabout Mou, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like G30M, M31M Drury Creek, H31M Peel River, etc.

Table with columns: Code, Station Name, A° AZ', Phase ID, Time Res, ISC. Includes JMA 23 04:10:39.4, 0.1, 24.3N, 0.3, 123.8E, 0.5, h14km, 1km, MV1.1, NEAR ISHIGAKIJIMA ISLAND, Southwestern Ryukyu Islands.

IDC 23 04:25:44.0, 6.0, 23.83N, 126.34E, h0km, mb3.7/3, mbtmp3.7/3, MS3.9/1, Error ellipse: s-maj=490.7km s-min=30.7km az=67.0

JMA 23 04:25:47.3, 0.2, 24.1N, 1.1, 126.5E, 0.7, h97km, MV3.3/20, NEAR MIYAKOJIMA ISLAND

ISC 23 04:25:46.2, 3.2, 24.02N, 0.09, 126.61E, 0.05, h23km, 23km, n17, f103/26, mb3.6/3, Ryukyu Islands

Table with columns: Code, Station Name, A° AZ', Phase ID, Time Res, ISC. Includes JOGS Gusukube, JMC2 Miyako jima3, JMKM Ikemajima, etc.

NEIC 23 04:39:19.5, 0.4, 36.288N, 0.010, 97.52W, 0.01, h5km, 1km, Error ellipse: s-maj=1.5km s-min=1.3km az=202.0

TUL 23 04:39:19.8, 0.5, 36.295N, 0.010, 97.51W, 0.01, h6km, 2km, ML2.5, mb\_Lg2.2, 17(NEIC), ML2.6, 67(NEIC), Error ellipse: s-maj=1.4km s-min=1.2km az=205.0, Oklahoma

Table with columns: Code, Station Name, A° AZ', Phase ID, Time Res, ISC. Includes CROK Carrier, OK048 Pawnee Station, OK029 Liberty Lake, etc.

Table with columns: TUL3 Leonard, 1.45 105, Pn Pb, 04 39 45.7 -0.8, etc. Includes ELIS Ellis County, WMOK Wichita Mounta, R32A Long Quarter, etc.

NEIC 23 04:42:17.0, 1.6, 55.96N, 0.09, 149.2W, 0.1, h10km, 2km, mb3.5/1, ML3.7/44, ML3.4(AEIC), Error ellipse: s-maj=14.8km s-min=10.9km az=165.0

AEIC 23 04:42:21.7, 1.7, 55.98N, 0.10, 149.20W, 0.10, h12km, 7km, Error ellipse: s-maj=14.2km s-min=7.9km az=170.0

ISC 23 04:42:17.6, 1.1, 56.05N, 0.08, 149.37W, 0.06, h10km, n199, c08/207, Gulf of Alaska

Table with columns: Code, Station Name, A° AZ', Phase ID, Time Res, ISC. Includes OHAK Old Harbor, KOAK Kodiak Island, SII Sitkinak Island, etc.

Table with columns: RAGM Ragged Mountai, RCO1 Rabbit Creek A, CHGN Chignik, N18K Kilae Creek, etc. Includes RAGM Ragged Mountai, RCO1 Rabbit Creek A, CHGN Chignik, N18K Kilae Creek, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Includes stations like M30M, L29M, L29M, M30M, etc.

PRU 23:04:48:11.9,51.41N:16.11E,h0km
VIE 23:04:48:12.5,51.26N:16.10E,h0km,mb2.1/2,ml2.6/3,
Error ellipse: s-maj=9.4km s-min=6.2km az=35.0,

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Includes stations like OSTC, UPC, DPC, PVCC, KRLC, BRG, etc.

NNC 23:04:58:07.5,2.2,53.49N:87.46E,h0km,mb3.8,mpv3.5,
4C-5D,Error ellipse: s-maj=16.9km s-min=13.8km
az=13.0,Suspected Mining explosion, Southwestern

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

IDC 23:05:19:59.3,1.3,9.48N:145.81E,h0km,mb3.77,
mbmp3.7/7,MS3.4/2,Error ellipse: s-maj=40.1km
s-min=28.2km az=116.0,

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Includes stations like GUMO, H1S3, H1S2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Includes stations like ILAR, BVAR, YKA, etc.

IDC 23:05:30:50.8,1.5,4.86S:150.43E,h0km,mb3.3/3,
mbmp3.4/3,Error ellipse: s-maj=65.1km s-min=19.5km
az=146.0,New Britain region

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

IDC 23:05:59:38.0,2.1,6.24S:142.89E,h0km,mb3.5/1,
mbmp3.4/3,ML3.3/2,MS3.5/1,Error ellipse:
s-maj=152.3km s-min=27.2km az=117.0,New Guinea

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

VAO 23:06:00:25.9,0.2,123.12S:68.51W,h10km,mb5.5,
SJA 23:06:00:33.4,0.7,22.39S:68.76W,h131km,4km,ML5.0,
MW4.8

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Includes stations like MOS, NEIC, ASAR, DZM, etc.

VAO 23:06:00:25.9,0.2,123.12S:68.51W,h10km,mb5.5,
SJA 23:06:00:33.4,0.7,22.39S:68.76W,h131km,4km,ML5.0,
MW4.8

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

IDC 23:06:00:35.6,0.3,22.53S:68.83W,h10km,mb3.7,
mbmp4.4/7,MS3.7/19,Error ellipse: s-maj=13.7km
s-min=9.6km az=67.0,

GCMT 23:06:00:38.9,0.3,22.53S:68.83W,h10km,mb3.7,
mbmp4.4/7,MS3.7/19,Error ellipse: s-maj=13.7km
s-min=9.6km az=67.0,

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

IDC 23:06:00:36.0,2.2,22.38S:68.54W,h0km,1km,
h106km,pp-P,n745,e138/805,mb5.0/212,21C-4D,
Northern Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Includes stations like LVC, AF01, AF01, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Includes stations like PB04, PB04, PB01, etc.

23d 6h

Table with columns for station call letters, frequency, and signal strength. Includes stations like TRCB Terra Rica, BIOD Punta Hualpón, and various local and regional stations.

2018 APR

Table with columns for station call letters, frequency, and signal strength. Includes stations like CCIG Comitan, CCIG CCIG, and various stations in the region.

1440

Table with columns for station call letters, frequency, and signal strength. Includes stations like SNAIA Sanae, SNAIA SNAIA, and various stations in the region.

2018 APR

1441

Table with columns: Station, Name, Frequency, Class, Mode, Power, and Date/Time. Includes stations like SMWD Samnorwood, T35A Sooner Cattle, HRV Adam Dzewiowski, etc.

Table with columns: Station, Name, Frequency, Class, Mode, Power, and Date/Time. Includes stations like QSPA South Pole Qui, QSPA Sherman, SCIA State Center, etc.

23d 6h

Table with columns: Station, Name, Frequency, Class, Mode, Power, and Date/Time. Includes stations like KNB Kanab, GMRC Granite Mount, O20A White River C, etc.

23d 6h

2018 APR

1442

Table with columns: Station Name, Frequency, Class, Mode, and Time. Includes stations like LASA Array, Red Lodge, Torodi Ar. Bea, etc.

Table with columns: Station Name, Frequency, Class, Mode, and Time. Includes stations like Sonseca Array, Berland Lookout, Kusaka, etc.

Table with columns: Station Name, Frequency, Class, Mode, and Time. Includes stations like KSRSS, HHC, BTO, etc. Also includes SDD and IDC/NEIC/DJA summary information at the bottom.

Code	Station Name	Δ <sup>x</sup>	AZ <sup>z</sup>	Phase	ID	Time	Res	ISC	h m s	ISC
TNT1	Ternate	1.79 217	Pn	Pn	Pn	06 36 31.8	-3.4	S	06 37 04.9	-2.4
TNTI	Ternate	1.79 217	Sn	Pn	Pn	06 36 47.5	-2.2	S	06 37 04.9	-2.4
SGCA	Sangihe	3.25 297	P	Pn	Pn	06 37 05.4	+1.8	P	06 37 05.4	+1.8
KMSI	Cibitong	4.75 250	P	Pn	Pn	06 37 08.2	-0.9	P	06 37 08.2	-0.9
SANI	Sanana	4.90 210	P	Pn	Pn	06 37 19.0	+0.7	P	06 37 19.0	+0.7
GTOI	Gorontalo	5.65 254	P	Pn	Pn	06 37 27.1	-0.3	P	06 37 27.1	-0.3
FAKI	Fak Fak	6.37 143	Pn	Pn	Pn	06 37 27.0	-0.3	P	06 37 27.0	-0.3
FAKI	Fak Fak	6.37 143	Pn	Pn	Pn	06 37 27.0	-0.3	P	06 37 27.0	-0.3
LWUI	Luwuk	6.53 240	Pn	Pn	Pn	06 37 29.2	-0.1	P	06 37 29.2	-0.1
LWUI	Luwuk	6.53 240	P	Pn	Pn	06 37 39.4	+0.5	P	06 37 39.4	+0.5
TOLIZ	Toilitoi	7.73 262	P	Pn	Pn	06 38 14.7	-2.8	P	06 38 14.7	-2.8
MYLDM	Lahad Datu	10.34 287	Pn	Pn	Pn	06 38 17.7	-2.1	P	06 38 17.7	-2.1
SAUI	Saumlaki	10.53 164	Pn	Pn	Pn	06 38 28.0	0.0	P	06 38 28.0	0.0
KAPI	Kappang	11.27 230	Pn	Pn	Pn	06 38 45.0	-0.7	P	06 38 45.0	-0.7
SOEI	Soe	12.60 199	Pn	Pn	Pn	06 39 17.1	-0.2	P	06 39 17.1	-0.2
MTN	Manton Dam	15.21 170	Pn	Pn	Pn	06 39 58.4	-3.1	pP	06 39 58.4	-3.1
MTN	Manton Dam	15.21 170	IAMB	IAMB	IAMB	06 39 58.4	-3.1	pP	06 39 58.4	-3.1
TWSI	Taliwang Sumb	15.85 226	P	Pn	Pn	06 39 43.8	+8.9	P	06 39 43.8	+8.9
SRBI	Singaraja	16.70 232	P	Pn	Pn	06 39 37.3	-1.3	P	06 39 37.3	-1.3
IGBI	Denpasar	17.20 230	P	Pn	Pn	06 39 36.7	-8.1	P	06 39 36.7	-8.1
JAGI	Jajag, Banyuw	17.77 233	P	Pn	Pn	06 39 49.2	+4.4	P	06 39 49.2	+4.4
JAGI	Jajag, Banyuw	17.77 233	S	Pn	Pn	06 39 46.2	+1.2	P	06 39 46.2	+1.2
KNRA	Kununurra	17.79 179	IAMB	IAMB	IAMB	06 39 47.2	+1.2	P	06 39 47.2	+1.2
KNRA	Kununurra	17.79 179	IAMB	IAMB	IAMB	06 39 47.2	+1.2	P	06 39 47.2	+1.2
PWJI	Pagerwojo	19.46 238	P	P	P	06 40 04.0	+1.0	P	06 40 04.0	+1.0
FTIZ	Fitzroy Crossi	20.38 188	P	P	P	06 40 13.0	+0.3	P	06 40 13.0	+0.3
WBO	Warramunga Arr	22.62 165	IAMB	IAMB	IAMB	06 40 34.9	+0.6	P	06 40 34.9	+0.6
WBO	Warramunga Arr	22.62 165	IAMB	IAMB	IAMB	06 40 36.6	0.0	P	06 40 36.6	0.0
WRA	Warramunga Arr	22.78 166	P	P	P	06 40 35.3	-0.5	P	06 40 35.3	-0.5
WRA	Warramunga Arr	22.78 166	P	P	P	06 40 36.1	+0.4	P	06 40 36.1	+0.4
WB2	Warramunga Arr	22.78 165	P	P	P	06 40 36.4	+0.6	P	06 40 36.4	+0.6
WB2	Warramunga Arr	22.78 165	IAMB	IAMB	IAMB	06 40 38.5	0.0	P	06 40 38.5	0.0
WR0	Warramunga Arr	22.84 165	P	P	P	06 40 36.9	+0.5	P	06 40 36.9	+0.5
WR0	Warramunga Arr	22.84 165	IAMB	IAMB	IAMB	06 40 38.8	0.0	P	06 40 38.8	0.0
JOW	Kunigami	24.47 360	LR	LR	LR	06 50 41.8	0.0	P	06 50 41.8	0.0
PSA00	Pilbara Seismi	25.10 199	P	P	P	06 50 56.9	+0.1	P	06 50 56.9	+0.1
PSA00	Pilbara Seismi	25.10 199	IAMB	IAMB	IAMB	06 41 01.2	0.0	P	06 41 01.2	0.0
AS31	Alice Springs	26.28 169	P	P	P	06 41 08.2	+0.9	P	06 41 08.2	+0.9
ASAR	Alice Springs	26.28 169	P	P	P	06 41 09.2	+0.9	P	06 41 09.2	+0.9
ASAR	Alice Springs	26.28 169	P	P	P	06 41 07.9	+0.6	P	06 41 07.9	+0.6
CTAO	Charters Tower	28.23 143	P	P	P	06 41 23.0	-1.8	P	06 41 23.0	-1.8
CTAO	Charters Tower	28.23 143	IAMB	IAMB	IAMB	06 41 36.7	0.0	P	06 41 36.7	0.0
BBOO	Buckleboo	35.58 169	P	P	P	06 42 29.4	+1.0	P	06 42 29.4	+1.0
STKA	Stephens Creek	36.14 161	P	P	P	06 42 34.0	+0.8	P	06 42 34.0	+0.8
STKA	Stephens Creek	36.14 161	P	P	P	06 42 33.7	+0.5	P	06 42 33.7	+0.5
USRK	Ussuriysk Arr	41.92 4 LR	LR	LR	LR	07 01 28.7	0.0	P	07 01 28.7	0.0
TARA	Tarawa	44.47 90	P	P	P	06 43 41.5	-0.1	P	06 43 41.5	-0.1
PETK	Petropavlovsk	56.20 21 P	P	P	P	06 45 07.9	-0.7	P	06 45 07.9	-0.7
DGAR	Diego Garcia	56.67 260 P	P	P	P	06 45 13.2	+0.6	P	06 45 13.2	+0.6
MK31	Makanchi Arr	59.76 325 P	IAMB	IAMB	IAMB	06 45 33.6	+0.2	P	06 45 33.6	+0.2
MK31	Makanchi Arr	59.76 325 P	IAMB	IAMB	IAMB	06 46 16.0	0.0	P	06 46 16.0	0.0
MKAR	Makanchi Arr	59.76 325 P	P	P	P	06 45 33.5	+0.1	P	06 45 33.5	+0.1
MKAR	Makanchi Arr	59.76 325 P	P	P	P	06 45 33.4	0.0	P	06 45 33.4	0.0
KURBB	Kurchatov Arr	63.92 327 P	P	P	P	06 46 00.7	-0.2	P	06 46 00.7	-0.2
B21K	Ikpikpuk River	83.39 20 P	IAMB	IAMB	IAMB	06 47 54.9	+1.5	P	06 47 54.9	+1.5
B21K	Ikpikpuk River	83.39 20 P	IAMB	IAMB	IAMB	06 48 10.2	0.0	P	06 48 10.2	0.0
BWN	Browne	84.56 26 P	P	P	P	06 48 01.2	+1.8	P	06 48 01.2	+1.8

3.2m, 0.5s, 0.1nm  
4.3m, 0.3s, 17s, slow=18, SNR=5.0

25m, 0.4s, baz=201, slow=20, SNR=23  
3.2m, 0.5s, baz=201, slow=20, SNR=35

4.69m, 0.3s, baz=290, slow=6.1, SNR=1167

1000nm, 0.4s, baz=201, slow=20, SNR=23

SDV Santo Domingo 2.87 59 P  
SDV Santo Domingo 2.87 59 P  
SDV Santo Domingo 2.87 59 P

SDV Santo Domingo 2.87 59 P  
SDV Santo Domingo 2.87 59 P  
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SDV Santo Domingo 2.87 59 P  
SDV Santo Domingo 2.87 59 P

Code	Station Name	Δ <sup>x</sup>	AZ <sup>z</sup>	Phase	ID	Time	Res	ISC	h m s	ISC
SOLC	Bahia Solano	4.42 255	P	Pn	Pn	06 50 39.0	+0.9	S	06 50 39.0	+0.9
PTAC	Punta Arditia, San Jose del G	4.66 267	P	Pn	Pn	06 51 26.7	-2.3	S	06 51 26.7	-2.3
GUVV	Pizarro, Chocco	4.86 174	P	Pn	Pn	06 50 43.6	-0.5	S	06 50 43.6	-0.5
PICZ	Betania	5.24 206	P	Pn	Pn	06 51 39.4	+0.3	S	06 51 39.4	+0.3
PICZ	Betania	5.24 206	P	Pn	Pn	06 51 38.6	-1.1	S	06 51 38.6	-1.1
BETC	Betania	5.24 206	P	Pn	Pn	06 50 49.4	+0.3	S	06 50 49.4	+0.3
BETC	Betania	5.24 206	S	Pn	Pn	06 51 46.7	-2.0	S	06 51 46.7	-2.0
BAUV	Bahia Malaga	5.25 73	Pn	Pn	Pn	06 50 48.7	-0.5	S	06 50 48.7	-0.5
MALC	Jamundi, Valle	5.38 231	P	Pn	Pn	06 50 52.7	+1.7	S	06 50 52.7	+1.7
JAMC	Jamundi, Valle	5.47 220	P	Pn	Pn	06 50 52.2	-0.1	S	06 50 52.2	-0.1
GARC	Garzon, Huila	5.70 205	P	Pn	Pn	06 50 55.5	0.0	S	06 50 55.5	0.0
GARC	Garzon, Huila	5.70 205	P	Pn	Pn	06 52 00.1	-0.1	S	06 52 00.1	-0.1
AUA1	Aruba	5.92 31	Pn	Pn	Pn	06 50 59.3	+1.2	S	06 50 59.3	+1.2
POCP	Popayan, Colom	6.00 216	P	Pn	Pn	06 50 59.0	-0.4	S	06 50 59.0	-0.4
HATO	Hato, Curacao	6.27 41	Pn	Pn	Pn	06 51 03.5	+0.6	S	06 51 03.5	+0.6
FLOE	Florencia	6.32 204	P	Pn	Pn	06 51 03.9	-0.4	S	06 51 03.9	-0.4
FLOE	Florencia	6.32 204	S	Pn	Pn	06 52 14.3	-0.3	S	06 52 14.3	-0.3
BCIP	Isla Barro Col	6.87 285	Pn	Pn	Pn	06 51 10.8	-0.1	S	06 51 10.8	-0.1
AZU	Azuero	7.10 274	P	Pn	Pn	06 51 12.9	-1.1	S	06 51 12.9	-1.1
GCUF	Volcan Galeras	7.45 215	P	Pn	Pn	06 51 19.8	+0.6	S	06 51 19.8	+0.6
TULM	Tulcan-Chalpat	8.12 215	P	Pn	Pn	06 51 28.6	+0.3	S	06 51 28.6	+0.3
IMBSA	Imbabura, San	8.71 216	P	Pn	Pn	06 51 37.8	+0.6	S	06 51 37.8	+0.6
PCRV	Puerto La Cruz	8.82 71	P	Pn	Pn	06 53 11.9	-3.3	S	06 53 11.9	-3.3
PCRV	Puerto La Cruz	8.82 71	S	Pn	Pn	06 51 40.8	-0.3	S	06 51 40.8	-0.3
PULU	Pululahu	9.09 216	Pn	Pn	Pn	06 51 47.3	-0.0	S	06 51 47.3	-0.0
BRUZ	Volcan	9.57 279	Pn	Pn	Pn	06 51 47.1	-2.2	S	06 51 47.1	-2.2
SLOR	San Lorenzo -	9.70 214	Pn	Pn	Pn	06 51 48.9	-0.3	S	06 51 48.9	-0.3
CDITO	Canoas	9.72 277	Pn	Pn	Pn	06 51 54.9	-0.6	S	06 51 54.9	-0.6
DRKO	Durika	10.18 281	Pn	Pn	Pn	06 51 58.2	-2.3	S	06 51 58.2	-2.3
SRBA	Serafatael, Bu	10.25 234	Pn	Pn	Pn	06 52 00.2	-1.0	S	06 52 00.2	-1.0
BATAN	Batan	10.48 285	Pn	Pn	Pn	06 52 05.3	+0.6	S	06 52 05.3	+0.6
CHSH	Refugio Sur-V	10.54 213	Pn	Pn	Pn	06 52 07.7	+1.3	S	06 52 07.7	+1.3
PEZE	Perez Zeledon,	10.62 281	Pn	Pn	Pn	06 52 10.1	+1.7	S	06 52 10.1	+1.7
RIMA	Rio Macho	10.88 283	Pn	Pn	Pn	06 52 15.2	+1.4	S	06 52 15.2	+1.4
LCRZ	La Lucha 2	11.01 283	Pn	Pn	Pn	06 52 13.8	-0.4	S	06 52 13.8	-0.4
HDC	Heredia	11.16 284	eP	Pn	Pn	06 52 18.4	-2.3	S	06 52 18.4	-2.3
HDC	Heredia	11.16 284	Pn	Pn	Pn	06 52 12.0	0.0	S	06 52 12.0	0.0
MTDJ	Mount Denham	11.57 339	Pn	Pn	Pn	06 52 15.2	+1.4	S	06 52 15.2	+1.4
COVE	Coopce Vega, Sa	11.61 287	Pn	Pn	Pn	06 52 15.1	+0.5	S	06 52 15.1	+0.5
SDDH	Presra de Saban	11.64 9 Pn	Pn	Pn	Pn	06 52 22.9	-1.7	S	06 52 22.9	-1.7
COCE	Cocle	11.73 285	Pn	Pn	Pn	06 52 20.0	+1.2	S	06 52 20.0	+1.2
TBTG	Tabatinga, AM	11.96 164	eP	Pn	Pn	06 52 20.0	+1.2	S	06 52 20.0	+1.2
TBTG	Tabatinga, AM	11.96 164	eP	Pn	Pn	06 52 18.4	-2.0	S	06 52 18.4	-2.0
ESPN	Las Esperanzas	11.99 294	Pn	Pn	Pn	06 52 21.2	+1.4	S	06 52 21.2	+1.4
JTS	Las Juntas de	12.03 285	Pn	Pn	Pn	06 52 21.0	+1.2	S	06 52 21.0	+1.2
JTS	Las Juntas de	12.03 285	Pn	Pn	Pn	06 52 18.3	-1.6	S	06 52 18.3	-1.6
CRRP	Cabo Rojo, PR	12.05 29 Pn	Pn	Pn	Pn	06 52 17.2	-2.7	S	06 52 17.2	-2.7
MLPR	Magueyes Islan	12.05 29 Pn	Pn	Pn	Pn	06 52 20.9	-1.2	S	06 52 20.9	-1.2
PRSN	Puerto Rico Se	12.21 28 Pn	Pn	Pn	Pn	06 52 21.4	-1.0	S	06 52 21.4	-1.0
GRGR	Greenville	12.23 67	Pn	Pn	Pn	06 52 23.0	+0.4	S	06 52 23.0	+0.4
OSHP	Osprey Ponce	12.37 30 Pn	Pn	Pn	Pn	06 52 22.9	-1.7	S	06 52 22.9	-1.7
CELP	Cerrillos	12.37 30 Pn	Pn	Pn	Pn	06 52 25.6	-0.4	S	06 52 25.6	-0.4
UUPR	Utudao, UPR, P	12.45 29 Pn	Pn	Pn	Pn	06 52 25.6	-0.4	S	06 52 25.6	-0.4
AOPR	Arecibo Observ	12.51 29 Pn	Pn	Pn	Pn	06 52 27.7	+0.8	S	06 52 27.7	+0.8
IGPR	InterUniversi	12.52 32	Pn	Pn	Pn	06 52 27.0	+0.9	S	06 52 27.0	+0.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like E29M Blow River, DMAR Burnt Mountain, ILAR Elison Array, etc.

GUC 23:06:58.46:4.0:7.29,95S,71.99W,h37km,3km,ML3.1,4D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CO05 La Serena, CO06 Fray Jorge, GO04 Tololo Observatorio, etc.

IDC 23:07:05:33.8:3.0:54.18N:86.40E,h0km,mbtmp3.0, ML2.1/2, Error ellipse: s-maj=22.5km s-min=12.0km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, KURBB Kurchatov Arra, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MK31 1.3nm,0.8s, MKR31 8.9nm,1.4s,baz=49,slow=31,SNR=5.0, etc.

BUI 23:07:37:08.5:0.0:6.45S:123.88E,h673km,mb5.2/90, mB5.0/44

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DJA 23:07:09:2.0:1.6'S,2.12'E, MOS 23:07:09:1.0:0.8,6:26S:123.65E, etc.

Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BBSI 0.1nm,0.8s, MMRI Maumere, SOEI Ende, etc.

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KDU GKadu, GRJI Gresik, FITZ Fitzroy Crossi, etc.

1445

Table with columns for station name, frequency, power, and other technical details. Includes stations like NWA0, LCRK, UBPT, QLP, RABL, TWGB, etc.

2018 APR

Table with columns for station name, frequency, power, and other technical details. Includes stations like PATS, WHN, JCH, MILA, etc.

23d 7h

Table with columns for station name, frequency, power, and other technical details. Includes stations like MAJO, BJT, BTO, etc.

Table with columns: Station, Frequency, Mode, Power, and other technical details. Includes stations like MSVF Nonsavu, MSVF Nonsavu, MSVF Jackson Bay, etc.

Table with columns: Station, Frequency, Mode, Power, and other technical details. Includes stations like ZAK Zakamensk, ZAK Zakamensk, ZAK Zakamensk, etc.

Table with columns: Station, Frequency, Mode, Power, and other technical details. Includes stations like CHMS Chumysh, PET Petropavlovsk, ARSB Arslanbob, etc.





23d 7h

2018 APR

1448

Table with columns for call sign, name, frequency, mode, and other details. Includes stations like DHY Denali Highway, F24K Squaw Lake, G24K Hadwecenic Riv, etc.

Table with columns for call sign, name, frequency, mode, and other details. Includes stations like PNL Peninsula, E29M Blow River, VSU Vasula, etc.

Table with columns for call sign, name, frequency, mode, and other details. Includes stations like BOZ Bozeman (W), MONP Monument Peak, BELC Belle Mtn. Jns, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like AAM Ann Arbor, W48T Farmland, OYB Waverly, ACOS Alum Creek Sta, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like KRI1 KERI, LTHK Lithakia, PESSADA Pessada-Kefalo, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like TIP Timpagrande, PAIG Pailouari, OHR Ohrid, etc.

ADC 23 07:41:28.8-0.6, 37.46N-20.64E, h0km, mb4.4/20, mbmp4.3/33, ML3.8/12, MS3.4/16, Error ellipse: s-maj=13.0km s-min=11.3km az=169.0

Code Station Name Azimuth Elevation Azimuth Error Elevation Error ... KRI1 KERI 0.34 45 P S ... LTHK Lithakia 0.39 42 P S ... PESSADA Pessada-Kefalo 0.69 5 P S ...

TIP Timpagrande 3.43 302 Pn ... PAIG Pailouari 3.52 44 P ... OHR Ohrid 3.69 3 ePn ...

23d 8h

Table listing astronomical observations for 23d 8h. Columns include station name, coordinates, elevation, and observation details. Includes stations like NEHR, KEST, HARR, DOPR, etc.

2018 APR

Table listing astronomical observations for 2018 APR. Columns include station name, coordinates, elevation, and observation details. Includes stations like MNK, NACGM, KBZ, PABE, etc.

1450

Table listing astronomical observations for 1450. Columns include station name, coordinates, elevation, and observation details. Includes stations like NJ2, USRK, KSRS, J08A, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like DAV, LUWI, GUMO, BBSI, SOEI, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like EIDS, RMQ, STKI, PSAO, PWJI, NGJI, SMRI, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like LWLI, QIZ, QIZ, QIZ, JMBI, MORW, MORW, etc.

Table with columns for station name, frequency, and signal strength. Includes stations like WHN, WJSD, KSAR, MOO, TIA, CRAI, ERM, KMI, CMAR, CHTO, MSHR, PSTR, HNS, HNS.

Table with columns for station name, frequency, and signal strength. Includes stations like XAN, ASAJ, JKA, USAOB, USRK, BJT, BJI, CD2, TEY, CN2, MDJ, TNCH, OUZ, BNX, YSS, YSS.

Table with columns for station name, frequency, and signal strength. Includes stations like HHC, Hu-ho-hao-te, BTO, LZH, XLT, KUZ, HIZ, HIZ, HIZ, ORZ, RAO, VRZ, TGRZ, TKNZ, JCZ, FOF, MIRWZ, OMRZ, KATZ, NNVZ, NTVZ, NGZ, KLR, KLR, DCZ, DCZ, TMVZ, OTVZ, PRRZ, AFI, AFI, THZ, MLZ, URZ, URZ, BHZ, TUWZ, LTZ, RTZ, TCW, RPZ, RPZ, BKZ, BKZ, BKZ, LBZ, BSWZ, RAGZ, MXZ, RAHZ, MRZ, KHZ, KHZ, GRNR, GRNR, ODZ, BFZ, BFZ, MQZ, TYV, TYV, TYV, TYV, HEH, HEH, HEH.



23d 8h

Table with columns: DZA, Taraz, 74.30 315, eP, P, 08 25 34.2 -0.3, etc. Lists various locations and their associated data points.

2018 APR

Table with columns: H16K, Elim, 78.56 22, P, P, 08 25 58.8 +0.6, etc. Lists various locations and their associated data points.

1454

Table with columns: CNMP, China Poot, 81.31 29, Iamb, Iamb, 08 26 21.5, etc. Lists various locations and their associated data points.



1455

2018 APR

23d 8h

Table with 10 columns: Station ID, Name, Date, Time, Day, Night, Temp, Wind, Humidity, etc. Includes stations like SML Sawmill, B2K1 Ikipuk River, MDH Madha, etc.

Table with 10 columns: Station ID, Name, Date, Time, Day, Night, Temp, Wind, Humidity, etc. Includes stations like IL31 Eielson Array, ILAR Kvik Island, ILAR Toolik Lake Re, etc.

Table with 10 columns: Station ID, Name, Date, Time, Day, Night, Temp, Wind, Humidity, etc. Includes stations like BCAR Beaver Creek A, K27K Chicko Camp, C26K Camden Bay, etc.

23d 8h

G30M	baz=266													
G30M	IaOh Zraii Nji	89.41	23	P	IAMS_20	IAMS_20	08 26 53.5	0.0						
	comp=Z,1um,21.0s													
G30M	IaOh Zraii Nji	89.41	23	P	IAMS_20	IAMS_20	08 26 54.0	+0.5						
	baz=265													
S32K	Killisnoo	89.52	33	P			08 26 54.3	+0.2						
WHY	Whitehorse	89.55	29	Iamb	Iamb		08 26 56.2							
WHY	Whitehorse	89.55	29	P			08 26 54.7	+0.3						
	baz=266,SNR=6.1													
R32K	Eaglecrest	89.59	32	IAMS_20	IAMS_20		09 06 40.6							
	comp=Z,1um,18.0s													
R32K	Eaglecrest	89.59	32	P			08 26 54.4	-0.1						
	baz=267													
F30M	Barrier River	89.63	22	P			08 26 54.8	+0.3						
	baz=268,SNR=5.8													
M31M	Drury Creek, Y	89.67	28	Iamb	Iamb		08 27 08.7							
	comp=Z,38nm,1.6s													
M31M	Drury Creek, Y	89.67	28	P			08 26 56.0	+0.3						
	baz=267													
P32M	Atlin	90.08	31	P			08 26 57.5	+0.7						
P32M	Atlin	90.07	31	Iamb	Iamb		08 27 05.8							
	comp=Z,38nm,1.1s													
P32M	Atlin	90.08	31	P			08 26 56.8	0.0						
	baz=268													
H31M	Peel River	90.09	24	IAMS_20	IAMS_20		09 03 20.3							
	comp=Z,1um,21.0s													
H31M	Peel River	90.09	24	P			08 26 56.5	-0.2						
	baz=267													
G31M	Satah River	90.17	23	P			08 26 56.7	+0.3						
G31M	Satah River	90.17	23	P	IAMS_20	IAMS_20	09 04 24.5							
	comp=Z,1um,20.0s													
G31M	Satah River	90.17	23	P			08 26 57.3	+0.3						
	baz=267,SNR=9.5													
CRAG	Craig	90.23	35	P			08 26 57.7	+0.3						
	baz=268													
U33K	Whale Pass	90.26	34	P			08 26 57.8	+0.2						
	baz=268													
FAR0	Faro, Yukon	90.36	28	Iamb	Iamb		08 27 06.8							
	comp=Z,29nm,1.2s													
FAR0	Faro, Yukon	90.36	28	P			08 26 58.5	+0.5						
	baz=268,SNR=5.4													
F31M	Tsigichtich	90.41	23	IAMS_20	IAMS_20		09 04 04.6							
	comp=Z,1um,20.0s													
F31M	Tsigichtich	90.41	23	P			08 26 58.6	+0.6						
	baz=268,SNR=6.6													
N32M	Quiet Lake	90.45	29	P			08 26 58.8	+0.3						
	baz=268													
INK	Inuvik	90.52	22	P			08 26 58.4	-0.2						
	baz=268,SNR=12													
INK	Inuvik	90.52	22	LR			09 06 27.4							
	comp=Z,573nm,19.0s, baz=190,slow=35													
P33M	Teslin, Yukon	90.55	30	P			08 26 59.2	+0.1						
P33M	Teslin, Yukon	90.55	30	Iamb	Iamb		08 27 07.7							
	comp=Z,41nm,1.3s													
P33M	Teslin, Yukon	90.55	30	P			08 26 59.2	+0.1						
	baz=268,SNR=6.5													
KIRV	Kirov	90.60	328	P			08 26 58.0	-1.1						
	comp=Z,5.5nm,0.6s, baz=80,slow=6.8, SNR=9.3													
KIRV	Kirov	90.60	328	LR			09 09 13.6							
	comp=Z,1um,20.2s, baz=89,slow=37													
	comp=Z,5.5nm,0.6s													
KIRV	Kirov	90.60	328	eP			08 26 58.3	-0.8						
ABPO	Ambohianpom	90.67	251	P			08 26 59.4	-1.2						
ABPO	Ambohianpom	90.67	251	P			08 26 59.4	-1.2						
	comp=Z,19nm,1.0s													
WRAK	Wrangell Island	90.70	34	P			08 26 59.8	+0.1						
	baz=269													
S34M	Telegraph Cree	91.38	32	Iamb	Iamb		08 27 33.5							
	comp=Z,31nm,1.4s													
S34M	Telegraph Cree	91.38	32	P			08 27 03.0	+0.2						
	baz=270													
R33M	Jennings River	91.47	31	P			08 27 04.0	+0.7						
R33M	Jennings River	91.47	31	Iamb	Iamb		08 27 05.2							
	comp=Z,28nm,1.3s													
R33M	Jennings River	91.47	31	P			08 27 03.7	+0.3						
	baz=271													
BELG	Belogonyoye	91.52	322	P			08 27 02.5	-1.1						
	comp=Z,93nm,0.9s, baz=178,slow=0.3, SNR=31													
BELG	Belogonyoye	91.52	322	LR			09 10 06.6							
	comp=Z,519nm,20.8s, baz=74,slow=37													
	comp=Z,33nm,0.9s													
MAK	Makhachkala	91.55	313	eP			08 26 59.1	-4.8						
MAK	Makhachkala	91.55	313	ePPP			08 30 38.1							
MAK	Makhachkala	91.55	313	eSSS			08 32 39.7							
MAK	Makhachkala	91.55	313	eSSS			08 37 28.1							
MAK	Makhachkala	91.55	313	pmax			08 47 48.8							
T35M	Bob Quinn	91.86	33	P			08 27 05.3	+0.1						
	baz=270													
DLBC	Dease Lake	91.97	32	P			08 27 06.1	+0.4						
	comp=Z,24nm,1.4s													
DLBC	Dease Lake	91.97	32	P			08 27 05.7	+0.1						
	baz=271													
DLBC	Dease Lake	91.97	32	P			08 27 05.0	-0.7						
	comp=Z,15nm,1.2s, baz=285,slow=6.5, SNR=5.7													
DLBC	Dease Lake	91.97	32	LR			09 00 56.9							
	comp=Z,546nm,21.8s, baz=286,slow=31													
U35K	Hyder	91.99	34	P			08 27 06.0	+0.4						
	baz=271													
WTLY	Watson Lake, Y	92.56	30	P			08 27 08.9	+0.6						
WTLY	Watson Lake, Y	92.56	30	P			08 27 08.7	+0.4						
	baz=272,SNR=12													
TGNT	Hyland Airport	92.77	29	P			08 27 09.7	+0.4						
	baz=272,SNR=5.7													
RAYN	Ar Rayn	93.18	293	P			08 27 11.7	-0.3						
RAYN	Ar Rayn	93.18	293	Iamb	Iamb		08 27 12.8							
	comp=Z,28nm,0.9s													
RAYN	Ar Rayn	93.18	293	iP			08 27 11.6	-0.3						
RAYN	Ar Rayn	93.18	293	P			08 27 13.7	+1.7						
RAYN	Ar Rayn	93.18	293	pmax			08 27 17.7	+0.3						
	SNR=22													
BBB	Bella Bella	93.20	38	IAMS_20	IAMS_20		09 01 24.4							
	comp=Z,1um,20.0s													
BBB	Bella Bella	93.20	38	LR			09 00 29.4							
	baz=270,slow=30													
A36M	Sachs Harbour	93.24	18	P			08 27 10.2	-0.9						
A36M	Sachs Harbour	93.24	18	Iamb	Iamb		08 27 11.3							

YNN	Yellowstone No	105.70	44	IAMS_20	IAMS_20	09 08 31.5
YNR	Norris Junctio	105.72	44	IAMS_20	IAMS_20	09 08 43.0
FXWY	Fox Creek	105.73	45	IAMS_20	IAMS_20	09 11 13.5
NLU	North Lily Min	105.77	49	IAMS_20	IAMS_20	09 10 21.9
HWUT	Hardware Ranch	105.80	47	IAMS_20	IAMS_20	09 09 19.0
TPAW	Teton Pass	105.82	45	IAMS_20	IAMS_20	09 10 28.7
H17A	Grant Village	105.87	44	IAMS_20	IAMS_20	09 13 35.0
SNOW	Snow King Moun	105.97	45	IAMS_20	IAMS_20	09 08 44.1
LOHW	Long Hollow	106.04	45	IAMS_20	IAMS_20	09 22 21.5
YMP	Mirror Lake Pl	106.08	44	IAMS_20	IAMS_20	09 09 15.4
PXK	Pinnacle	106.14	58	IAMS_20	IAMS_20	09 07 22.4
BURAR	Bucovina Array	106.45	320	PdFf	PdFf	08 28 10.9 -0.2
BUR08	Bucovina Ar. S	106.46	320	PdFf	PdFf	08 28 11.0 -0.2
RLMT	Red Lodge	106.59	43	IAMS_20	IAMS_20	09 08 26.3
RLMT	Red Lodge	106.59	43	P	PKiKP	08 32 22.7 +0.1
BSUT	Blindstream Ca	106.63	48	IAMS_20	IAMS_20	09 10 35.5
BW06	Boulder Array	106.98	46	P	PKiKP	08 32 23.7 +0.2
PDAR	Pinedale Array	106.98	46	PdFf	PdFf	08 28 13.8 0.0
PDAR	Pinedale Array	106.98	46	P	PKiKP	08 32 23.5 0.0
PDAR	Pinedale Array	106.98	46	P	PKiKP	08 32 23.5 0.0
WUAI	Wupatki	107.19	53	P	PKiKP	08 32 24.0 0.0
X16A	Lo Mia Camp, P	107.34	54	IAMS_20	IAMS_20	09 10 09.9
KWP	Kalvaria Pacla	107.42	322	IAMS_20	IAMS_20	09 20 54.5
HFS	Hagfors	107.75	334	PdFf	PdFf	08 28 14.8 -1.7
HFS	Hagfors	107.75	334	P	PKiKP	08 32 23.7 -0.3
FFC	Flin Flon	107.80	32	IAMS_20	IAMS_20	09 10 22.0
LAO	LASA Array	108.17	41	IAMS_20	IAMS_20	09 09 52.0
TUC	Tucson	108.26	56	IAMS_20	IAMS_20	09 08 26.5
TUC	Tucson	108.26	56	P	PKiKP	08 32 26.0 +0.1
NOA	NORSAR Array B	108.32	336	PdFf	PdFf	08 28 17.9 -1.1
NOA	NORSAR Array B	108.32	336	P	PKiKP	08 28 17.9 -1.1
NOA	NORSAR Array B	108.32	336	P	PKiKP	08 28 17.9 -1.1
CRVS	Cervenica-Dubn	108.43	322	PdFf	PdFf	08 28 21.1 +1.3
CRVS	Cervenica-Dubn	108.43	322	P	PKiKP	08 28 21.1 +1.3
W18A	Petrified Fore	108.53	53	P	PKiKP	08 32 26.9 +0.3
O2A	White River Ci	108.60	48	P	PKiKP	08 32 27.1 +0.6
DMGT	Dagmar	108.69	39	P	PKiKP	08 32 27.0 +0.4
VGVC	Mesa Verde	109.51	51	P	PKiKP	08 32 27.5 +0.1
K22A	Casper	109.17	45	P	PKiKP	08 32 27.8 +0.3
BOSA	Boshof	109.53	239	PKiKP	PKiKP	08 32 28.1 -0.4
BOSA	Boshof	109.53	239	P	PKiKP	08 32 28.1 -0.4
N23A	Red Feather La	110.06	47	P	PKiKP	08 32 29.4 0.0
PHWY	Pilot Hill	110.32	46	IAMS_20	IAMS_20	09 13 25.0
RRSD	Black Hills	110.45	43	IAMS_20	IAMS_20	09 11 41.1
RRSD	Black Hills	110.45	43	P	PKiKP	08 32 29.9 0.0
MORC	Moravsky Beru	110.49	324	PdFf	PdFf	08 28 28.9 -0.1
MORC	Moravsky Beru	110.49	324	P	PKiKP	08 32 30.2 +0.7
ISCO	Idaho Springs	110.63	48	P	PKiKP	09 10 45.9
ISCO	Idaho Springs	110.63	48	P	PKiKP	08 32 30.7 +0.2
121A	Cookes Peak, D	110.70	56	P	PKiKP	08 32 30.9 +0.2
JAVC	Velka Javorina	110.78	323	PdFf	PdFf	08 28 31.1 +0.8
JAVC	Velka Javorina	110.78	323	P	PKiKP	08 32 31.4 +1.3
MODS	Modra-Piesok	111.21	322	PdFf	PdFf	08 28 34.9 +2.7
MODS	Modra-Piesok	111.21	322	P	PKiKP	08 32 34.9 +2.7
QK41	Divide	111.21	48	IAMS_20	IAMS_20	09 14 25.9
ANMO	Albuquerque	111.24	53	PKiKP	PKiKP	08 32 32.5 +0.9
ANMO	Albuquerque	111.24	53	P	PKiKP	08 32 31.8 +0.1
ANMO	Albuquerque	111.24	53	P	PKiKP	08 32 32.5 +0.9
VRAC	Vranov	111.24	323	PdFf	PdFf	08 28 32.6 +0.3
SDCO	Great Sand Dun	111.28	50	P	PKiKP	08 32 31.9 +0.2
BRIGG	Briggsdale	111.36	47	IAMS_20	IAMS_20	09 12 45.5
KRUC	Moravsky	111.46	323	PdFf	PdFf	08 28 33.9 +0.6
KRUC	Moravsky	111.46	323	P	PKiKP	08 32 31.6 +0.3
E26A	Huff	111.79	40	IAMS_20	IAMS_20	09 11 37.2
EPT	El Paso	111.93	56	IAMS_20	IAMS_20	09 11 14.6
MDND	Madlock	111.97	38	P	PKiKP	08 32 32.8 +0.4
T25A	Trinidad	112.28	50	P	PKiKP	08 32 33.5 0.0
CLL	Colim	112.42	326	PdFf	PdFf	08 28 38.0 +0.5
CLL	Colim	112.42	326	P	PKiKP	08 32 33.0 0.0
CLL	Colim	112.42	326	P	PKiKP	08 28 38.0 +0.5
CLL	Colim	112.42	326	P	PKiKP	08 32 33.0 0.0
MNTX	Cornudas Mount	112.88	56	P	PKiKP	08 32 34.5 -0.1
OGNE	Ogallala	112.89	46	IAMS_20	IAMS_20	09 13 10.4
OGNE	Ogallala	112.89	46	P	PKiKP	08 32 34.5 0.0
KSCO	Kaye Shedlock	113.08	48	IAMS_20	IAMS_20	09 20 47.1
KSCO	Kaye Shedlock	113.08	48	P	PKiKP	08 32 34.9 0.0
KHC	Kasperske Hory	113.10	324	IAMS_20	IAMS_20	09 25 25.5
ULM	Lac du Bonnet	113.12	35	IAMS_20	IAMS_20	09 17 06.9
ULM	Lac du Bonnet	113.12	35	P	PKiKP	08 32 32.5 -2.0
ULM	Lac du Bonnet	113.12	35	P	PKiKP	08 32 32.5 -2.0
GERES	GERES	113.29	321	PKiKP	PKiKP	08 28 41.6 +0.7
GERES	GERES	113.29	321	P	PKiKP	08 32 33.9 -0.8
GERES	GERES	113.29	321	P	PKiKP	08 32 33.9 -0.8
SOKA	Sotho	113.29	321	P	PKiKP	08 32 35.0 0.0
BOJS	Bojanci	113.63	320	PdFf	PdFf	08 28 43.3 +0.3
BOJS	Bojanci	113.63	320	P	PKiKP	08 32 35.5 0.0
BOJS	Bojanci	113.63	320	P	PKiKP	08 32 35.5 0.0
SUSD	Miller	113.74	41	IAMS_20	IAMS_20	09 16 05.0
K30B	Basset	113.98	43	IAMS_20	IAMS_20	09 18 52.5
AGMN	Agassiz Nation	114.03	36	P	PKiKP	08 32 36.7 +0.4
CEY	Cerknica	114.06	320	PKiKP	PKiKP	08 32 35.8 -0.6
CEY	Cerknica	114.06	320	P	PKiKP	08 32 33.0 +2.3
KBA	Koelnbreinspr	114.16	322	PdFf	PdFf	08 32 36.4 -0.4
MYKA	Terra Mystica	114.17	322	ePKP	PKiKP	08 32 36.2 -0.5
GRA1	Grabenberg Arr	114.20	325	IAMS_20	IAMS_20	09 26 03.3
GRFO	Grabenberg	114.20	325	IAMS_20	IAMS_20	09 26 03.3

PRED	Cave del Predi	114.30	321	IAMS_20	IAMS_20	09 26 16.6
LESA	Schwarzleut	114.41	323	ePKP	PKiKP	08 32 36.7 -0.4
MSTX	Muleshoe	114.44	53	P	PKiKP	08 32 37.5 -0.1
SABO	M. Sabotino	114.48	321	IAMS_20	IAMS_20	09 25 52.7
ALPN	Alpine	114.64	57	PKiKP	PKiKP	08 32 38.8 +0.7
ABTA	Abfaltersbach	114.82	322	P	PKiKP	08 32 37.5 -0.5
TXAR	Lajitas Array	114.86	58	PKP	PKiKP	08 32 38.5 0.0
TXAR	Lajitas Array	114.86	58	P	PKiKP	08 32 38.5 0.0
F33A	5 Mile Ranch	114.88	39	IAMS_20	IAMS_20	09 14 26.8
AMTX	Amarillo	115.04	52	IAMS_20	IAMS_20	09 17 30.1
AMTX	Amarillo	115.04	52	P	PKiKP	08 32 38.8 0.0
CWTO	Cimolais	115.06	322	IAMS_20	IAMS_20	09 28 11.5
WITTA	Wattenberg	115.11	323	P	PKiKP	08 32 38.8 +0.2
WATA	Walderalm	115.12	323	ePKP	PKiKP	08 32 38.2 -0.4
CBKS	Cedar Bluff	115.27	47	IAMS_20	IAMS_20	09 23 11.6
CBKS	Cedar Bluff	115.27	47	P	PKiKP	08 32 39.0 -0.1
SQTA	Sant Quentin	115.39	323	P	PKiKP	08 32 39.2 +0.1
MOTA	Moosalm	115.40	323	P	PKiKP	08 32 38.7 -0.4
BGNE	Belgrade	115.46	44	IAMS_20	IAMS_20	09 15 11.9
BGNE	Belgrade	115.46	44	P	PKiKP	08 32 39.1 -0.2
ECSO	EROS Data Cent	115.57	41	IAMS_20	IAMS_20	09 19 03.8
ECSO	EROS Data Cent	115.57	41	P	PKiKP	08 32 38.7 -0.7
FETA	Feichten	115.78	323	P	PKiKP	08 32 39.8 -0.1
CAMP	Camp	116.06	318	PKiKP	PKiKP	08 32 40.1 -0.4
SMWD	Samnorwood	116.10	51	P	PKiKP	08 32 41.2 +0.5
DAVA	Damuels	116.15	324	P	PKiKP	08 32 40.8 +0.2
R32A	Long Quarter	116.16	47	PKiKP	PKiKP	08 32 40.6 -0.1
R32A	Long Quarter	116.16	47	P	PKiKP	08 32 40.6 -0.1
MEM	Membach	116.57	328	ePKP	PKiKP	08 32 41.5 +0.4
F36A	Milaca	116.59	38	IAMS_20	IAMS_20	09 17 48.0
OK035	E0210 Rd and N	116.76	49	IAMS_20	IAMS_20	09 30 20.7
EYMN	Ely	116.76	35	PKiKP	PKiKP	08 32 41.1 -0.4
EYMN	Ely	116.76	35	P	PKiKP	08 32 41.3 -0.2
TUE	Stuetta	116.87	323	PKiKP	PKiKP	08 32 41.4 -0.7
TUE	Stuetta	116.87	323	P	PKiKP	08 32 41.4 -0.7
WLF	Waldengange	117.02	327	IAMS_20	IAMS_20	09 22 51.7
OK032	Salt Plains WL	117.10	49	IAMS_20	IAMS_20	09 14 10.8
ABTX	Abilene, Hawle	117.34	54	P	PKiKP	08 32 42.9 -0.1
SPMN	Marine on St.	117.34	38	P	PKiKP	08 32 42.9 +0.1
WMOK	Wichita Mounta	117.36	51	P	PKiKP	08 32 43.0 -0.1
BMRD	Barringer	117.39	328	ePKP	PKiKP	08 32 43.0 +0.3
N35A	Tabor	117.42	43	IAMS_20	IAMS_20	09 16 01.6
KSU1	Kansas State U	117.44	46	P	PKiKP	08 32 43.0 -0.1
JCT	Junction City	117.81	56	PKiKP	PKiKP	08 32 43.8 -0.3
JCT	Junction City	117.81	56	P	PKiKP	08 32 43.8 -0.3
JCT	Junction City	117.81	56	PKiKP	PKiKP	08 32 43.8 -0.3
BLOK	Blackwater	117.88	49	PKiKP	PKiKP	08 32 44.3 +0.3
OK029	Likerty Lake	118.02	50	IAMS_20	IAMS_20	09 23 12.3
OK048	Pawnee Station	118.19	49	IAMS_20	IAMS_20	09 28 25.6
FNO	Franklin	118.25	50	IAMS_20	IAMS_20	09 19 05.3
OK033	Mehan	118.33	49	IAMS_20	IAMS_20	09 21 56.3
T35A	Sooner Cattle	118.33	48	IAMS_20	IAMS_20	09 15 07.3
PLPT	Palo Pinto	118.34	53	PKiKP	PKiKP	08 32 44.6 -0.5
OK031	S. Brethren Rd	118.44	49	PKiKP	PKiKP	08 32 45.1 0.0
OK031	S. Brethren Rd	118.44	49	P	PKiKP	08 32 44.7 0.0
TSUM	Tsumeb	118.44	247	PKiKP	PKiKP	

23d 8h

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like P52A Corning, LRAL Lakeview Retre, N53A Lisbon, etc.

2018 APR

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like PVAQ Vaqueiros, PNCL Nicolau / Gran, MESJ Mesesja, etc.

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Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like IMMV lera Moni Meta, IMMV lera Moni Meta, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KBA, OBKA, OBKA.

NEIC 23 08:55:17.5±1.9, 50.45N±0.03, 18.76E±0.05, h9km, 7km, mb3.9/1, Error ellipse: s-maj=5.8km s-min=3.2km az=224.0

IDC 23 08:55:18.9±0.6, 50.21N±18.83E, h0km, mb3.4/4, mbtmp3.4/13, ML3.2/8, Error ellipse: s-maj=11.7km s-min=6.0km az=156.0

IPEC 23 08:55:18.9±0.2, 50.36N±18.84E, h1km, ML3.6/4, Error ellipse: s-maj=2.2km s-min=1.2km az=179.0

MCSM 23 08:55:20.8±0.6, 50.16N±19.9E±1.1, h5km, mb4.8, mb3.7, MLv4.0, Mw(mb)4.1

PRU 23 08:55:20.1, 50.38N±18.72E, h0km, M3.9, VIE 23 08:55:21.4±0.8, 49.65N±19.00E, h0km, mb2.6/9, ml3.4/8, Error ellipse: s-maj=5.1km s-min=4.7km az=8.0

Suspected Mining induced. BGR 23 08:55:22.1±0.6, 50.23N±18.69E, h1km, ML3.9/11, Error ellipse: s-maj=6.7km s-min=5.6km az=52.0

DNK 23 08:55:23.0±0.3, 50.73N±18.91E, h0km, 11km, ML3.4, ISC 23 08:55:17.5±0.5, 50.42N±0.03, 18.82E±0.02, h0km, m147, c168/198, mb3.2/4, 17C-3D, Poland

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RAC, RAC, OKC, OKC, OKC, etc.

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CLL, Collm, ARSA, Arzberg, ARSA, etc.

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IDC, ZALV, ZALV, ZALV, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Cruzreiro do Su, Atahualpa, Tabatinga, etc.

RSNC 23 09:25:18.1±0.4, 10°N, 4°8'30"W, h0km, ML2.5
CATAC 23 09:25:22.1±0.8, 10°55'N-83°11'W, h16km, 4km, ML2.9

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Batan, Rio Macho, Ochoмого, etc.

IDC 23 09:40:57.3±0.0, 0.99S-16°11'W, h0km, mb3.5/3, mbtm3.5/3, Error ellipse: s-maj=157.2km

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like ASCENSION HYDR, etc.

TEH 23 09:53:24.6, 32°82'N-46°43'E, h15km, 40km, ML2.6
ISN 23 09:53:24.9±0.4, 32°82'N-46°39'E, h8km, 2km, ML2.7

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Al-Rafai, Kafar-mosalan, etc.

IDC 23 10:02:14.5±0.8, 50°03'N-179°85'W, h0km, mb4.1/22, mbtm4.1/24, ML3.7/2, MS3.1/1, Error ellipse: s-maj=21.4km

NEIC 23 10:02:17.5±1.7, 50°21'N-179°02'W, h14km, 8km, mb4.1/47, ML3.7(AEIC), Error ellipse: s-maj=19.5km

AEIC 23 10:02:18.4±1.7, 50°11'N-179°02'W, h15km, 6km, Error ellipse: s-maj=20.1km

ISC 23 10:02:19.0±0.7, 50°19'N-179°04'W, h10km, n89, ±10°17.3, mb4.2/44, Andropanof Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Amchitka, Sand Point, etc.

CAST Castle Rocks, F19K Shaleruckio Hill, KTH Kantishna Hill, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Utukok River, Redstone River, etc.

ILAR Eileison Array, Anaktuvuk Pass, Ikpikpik River, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Sand Creek, Squaw Lake, etc.

H1N2 WAKE ISLAND Hy 32.12 204 T T 10 42 30.8

H1N3 WAKE ISLAND Hy 32.13 204 T T 10 42 28.4

H1N1 WAKE ISLAND Hy 32.14 204 T T 10 42 32.3

A36M Sachs Harbour, YKA Yellowknife Ar, etc.

EDM Edmonton, PNTR Pine Nut, NVAR Mina Array Bea, etc.

BOZ Bozeman (W), NRIK Norfolk, R11B Troy Canyon, etc.

SONM Songo Array, PD31 Pinedale Array, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Lac du Bonnet, Spitsbergen, etc.

ARCES ARCESS Array B, 59.21 350 P P 10 12 16.7 -0.8

KURBB Kurchatov Arra, 59.51 314 P P 10 12 19.4 -0.4

TXAR Zalesovo Beam, 59.52 80 P P 10 12 19.9 -0.4

MKAR Makanchi Array, 60.29 308 P P 10 12 24.2 -1.1

BVAR Borovoye Array, 61.41 320 P P 10 12 32.9 0.0

PZH PanZhihua, 62.90 280 P P 10 12 42.5 -0.9

AKTO Aktyubinsk, 68.31 324 P P 10 13 18.1 +0.2

NB2 NORSAR Subarra, 68.82 354 P P 10 13 20.7 -0.2

NOA NORSAR Array B, 68.82 354 P P 10 13 20.6 -0.4

HFS Hagfors, 69.54 353 P P 10 13 24.8 -0.5

AKASC Malin Array Be, 76.53 341 P P 10 14 06.5 -0.2

WRA Warrungua Arr, 80.65 223 P P 10 14 27.5 -2.3

ASAR Alice Springs, 84.12 222 P P 10 14 46.6 -1.3

BRTR Keskin Array B, 85.80 335 P P 10 14 52.2 -4.3

H03N2 Juan Fernandez, 121.44 106 T T 12 34 21.8

H03N1 Juan Fernandez, 121.46 106 T T 12 34 23.1

H03N3 Juan Fernandez, 121.46 106 T T 12 34 22.5

QSPA South Pole Qui, 139.88 180 PKP PKPdf 10 21 45.0 +1.1

BOSA Boshof, 151.29 309 PKPbpc PKPdf 10 22 09.7 +5.1

VIE 23 10:06:51.3±0.9, 47°52'N-116°3'E, h0km, mb0.8/2, ml1.0/4, Error ellipse: s-maj=5.5km

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like WATA, WTTA, etc.

KRNET 23 10:07:09.3±0.1, 39°10'N-69°85'E, h17km, mb3.4

NNC 23 10:07:12.5±3.2, 39°22'N-69°81'E, h0km, mb3.7, mpv3.3, Error ellipse: s-maj=28.8km

ISC 23 10:07:09.3±0.9, 39°20'N-104°69'81"E±0.04, h10km, n22, ±237/93, 27C-10D, Tajikistan

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like GAR, CHGR, BTK, etc.

Table with columns: KBK, SGDS, TKM2, TKM2, DGS, KRBS, BTLS, BTLS. Includes station names, coordinates, and times.

ROM 23 10:07:21.2, 0.1, 46.196N, 0.009, 11.20E, 0.01, h0km, ML0.8/8, Error ellipse: s-maj=1.0km s-min=0.9km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like PANI, GAGG, OZOL, ZIAN, etc.

IDC 23 10:09:37.4, 11.0, 13.01S, 169.52E, h66km, 42km, mb3.7/3, mbmp4.0/3, ML5.3/2, MS3.8/2, Error ellipse:

NEIC 23 10:09:53.3, 1.4, 13.8S, 0.1, 167.9E, 0.2, h51km, 13km, mb4.3/11, Error ellipse: s-maj=22.9km s-min=14.7km

NOU 23 10:10:05.3, 14.68S, 167.37E, h123km, MLV4.7/14, Vanuatu Islands

ISC 23 10:09:53.6, 1.9, 13.9S, 0.2, 167.7E, 0.2, h50km, n34, a0582/33, mb4.3/9, Vanuatu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like LIFNC, KOUNC, MARNC, etc.

IDC 23 10:12:31.8, 2.0, 8.86N, 71.13W, h32km, 15km, mb3.5/9, mbmp3.7/10, ML4.1/1, Error ellipse: s-maj=26.4km

FUNV 23 10:12:31.2, 8.88N, 71.23W, h1km, MW4.0, ISC 23 10:12:30.7, 1.4, 8.91N, 0.005, 71.18W, 0.04, h15km, gkm, n29, a2510/43, mb3.8/9, 3C-3D, Venezuela

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like SDV, SDV.

Table with columns: SOCV, CAPV, MCOV, SIQV, TEVP, BAUV, JACV, BENV, TACV, FUNV, CACV, ROSC. Includes station names, coordinates, and times.

ROSC 14nm, 0.3s, baz=24, slow=23, SNR=3.0 Puerto La Cruz 6.58 78 eP

Table with columns: CUMV, LUEV, TXAR, TXAR, SCHG, ULM, PDAR, PLCA, NVAR, YKA, TORO, ILAR, CMAR, ASAR, WRA. Includes station names, coordinates, and times.

IDC 23 10:18:43.8, 2.0, 0.63N, 126.20E, h0km, mb3.5/3, mbmp3.6/3, Error ellipse: s-maj=177.8km s-min=25.0km

DJA 23 10:18:47.6, 1.9, 0.4N, 121.6E, h20km, 19km, M3.6/7, MLV3.6/7

ISC 23 10:18:49.4, 1.2, 0.44N, 0.07, 126.19E, 0.07, h35km, n9, a143/9, mb3.5/3, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like TMTI, LBMI, KMSI, etc.

JMA 23 10:25:04.2, 0.1, 24.1N, 1.0, 122.3E, 0.3, h45km, 3km, MLV2.3/17, TAIWAN REGION

TAP 23 10:25:04.4, 24.16N, 122.31E, h52km, ML3.0, C ISC 23 10:25:05.2, 1.2, 24.14N, 0.003, 122.32E, 0.02, h45km, 6km, n101, a1040/174, Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like E0S4, E0S3, E0S2, etc.

Table with columns: ET LH, ET LH, ETM, ETM, SHUL, SHUL, LATG, LATG, TWE, TWE, LXIB, LXIB, ENT, ENT, ENT, ENT, ESL, ESL, NNSB, NNSB, FUSB, FUSB, NNS, NNS, TIPB, TIPB, EGFH, EGFH, WARBT, WARBT, WHF, WHF, NWLT, NWLT, FUSS, FUSS, YHNB, YHNB, YHNB, YHNB, NSK, NSK, SXI, SXI, HGSD, HGSD, CHGB, CHGB, TWGT, TWGT, OWD, OWD, OWD, OWD, TDCB, TDCB, NHDH, NHDH, WUSB, WUSB, EHY, EHY, TATO, TATO, ECBN, ECBN, VVDT, VVDT, VVDT, VVDT, YULB, YULB, YULB, YULB, NFF, NFF, NFF, NFF, TWF1, TWF1, TWF1, TWF1, TWS1, TWS1, WHK, WHK, CHKH, CHKH, LIOB, LIOB, LIOB, LIOB, WCS, WCS, IRIF, IRIF, IRIF, IRIF, NSTT, NSTT, NSTT, NSTT, SSSL, SSSL, SSSL, SSSL, SSSL, SSSL, SMLT, SMLT, SMLT, SMLT, SMLT, SMLT, FULB, FULB, HATJ, HATJ, CHKT, CHKT, TYC, TYC, TYC, TYC, WHYT, WHYT, WHYT, WHYT

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like ET LH, ETM, SHUL, LATG, TWE, LXIB, ENT, ESL, NNSB, FUSB, NNS, TIPB, EGFH, WARBT, WHF, NWLT, FUSS, YHNB, NSK, SXI, HGSD, CHGB, TWGT, OWD, TDCB, NHDH, WUSB, EHY, TATO, ECBN, VVDT, YULB, NFF, TWF1, TWS1, WHK, CHKH, LIOB, WCS, IRIF, NSTT, SSSL, SMLT, SMLT, FULB, HATJ, CHKT, TYC, WHYT.





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Table with columns: SHEM, S, Sn, S, Sn, 11 51 22.7 -3.8. Rows include SMY Shemya, CLES Cleveland East, OKWR Okmok West Rim, UNV Unalaska Valle, SPJA Saint Paul Isl, ACRB Akutan Reef Bi, ZRO Akutan Zroad, AKBA Akutan Broad B, FALS False Pass, S12K Black Hills, SDPT Sand Point, M11K Mekoryuk, CNBA Chernabura Isl, S14K Fog Glacier, PET Petropavlovsk, M13K Dall Lake, O14K Tigykauvit M, CHGN Chignik, PEAO Petropavlovsk, PETK Petropavlovsk, PETK 2.6nm,0.3s,slow=16,SNR=64, M14K Bethel, O15K Ungalikthiuk R, L14K Kuka Creek, N15K Kweithluk River, R16K Pilot Point, M15K Kasigulik River, SKR Severo-Kuril's, L15K Ungalak Moun, P16K Nushagak River, J14K Nanvaranak Lak, CHIR Chirikof Islan, O16K Kokwok River B, N16K Nishilik Lake, K15K Wolf Creek Mou, K15K Wolf Creek Mou, Q16K King Salmon, M16K Timber Creek, M16K Timber Creek, Q17K Contact Creek, O17K Koliganek Bris, L16K Owhat River, P17K Kvichak River, ANM Nome, N17K Nushagak Hills, SII Sitkinak Islan, SII Sitkinak Islan, J16K Anvik River, M17K Holitna River, M17K Holitna River, P18K Big Mountain, P18K Big Mountain, L17K Donlin, F14K Arctic Creek, G15K Niukuk, O18K Kikuh Hills, N18K Kilae Creek, N18K Kilae Creek, I17K Unalakleet, OHAQ Old Harbor, OHAQ Old Harbor, K17K Iditarod, K17K Iditarod, H16K Elim, J17K VABM Dome, SVW2 Sparrevohn, SVW2 Sparrevohn, Q19K Cape Douglas, F15K North Star Dit, F15K North Star Dit, M18K Stony River, L18K Granite Moun, L18K Granite Moun

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Table with columns: I21K Tanana, B18K Kokoiik River, M23K Glacier View, WAT1 Susitna Watana, G21K Allakaket, G21K Middleton Isla, G21K Allakaket, GLI Glacier Island, GLI Glacier Island, Q23K Middleton Isla, D19K Kuna River, D19K Kuna River, RND Reindeer, RND Reindeer, RND Reindeer, MLY Manley, MLY Manley, BWN Browne, SCM Sheep Creek Mo, MCK MCKinley, MCK MCKinley, MCK MCKinley, C19K Lookout Ridge, C19K Lookout Ridge, WAT6 Susitna Watana, H22K Ishtalinta Cre, E20K Nigu River, F21K Alatna River, F21K Alatna River, NEA2 Nenana, NEA2 Nenana, NEA2 Nenana, DHY Denali Highway, DHY Denali Highway, I23K Minto, Yukon-K, I23K Minto, Yukon-K, I23K Minto, Yukon-K, KLU Klutina, M24K Tolsona, Glenn, A19K Wainwright, WRH Wood River Hill, WRH Wainwright, G22K Bettles, H23K Yukon River, MDM Murphy Dome, MDM Murphy Dome, F22K John River, CCB Chilson Creek Bu, KAIM Kayak Island, E21K Killik River, COLA College, COLA College, COLA College, BMRM Bremner River, G23K Bananza Creek, G23K Bananza Creek, HDA Harding Lake, HDA Harding Lake, HARP HAARP, N25K Chitina, Valde, N25K Chitina, Valde, PAX Paxson, POKR Poker Plat Res, POKR Poker Plat Res, C21K Knifeblade Rid, IL31, ILAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, B20K Meade River, B20K Meade River, IL03 Chilson Array, COLD Coldfoot, K24K Donnelly Dome, E22K Anaktuvuk Pass, E22K Anaktuvuk Pass, H24K Noodor Dome, H24K Noodor Dome, G24K Gilahina Butte, D22K Ayikyak River, D22K Ayikyak River, D22K Ayikyak River, B21K Ikipkupuk River, B21K Ikipkupuk River, VRDI Verde Repeater, J25K Salcha River, MCARA McCarthy VSAT, MCARA McCarthy VSAT

23d 11h

Table with columns: 20.95 34 P, P, 11 54 06.1 -0.1, 21.18 18 P, P, 11 54 09.3 +0.7, 21.20 44 P, P, 11 54 07.8 -1.2, 21.20 41 P, P, 11 54 07.5 -1.6, 21.21 29 P, P, 11 54 08.8 -0.3, 21.22 22 P, Iamb, Iamb, 11 54 09.9 -0.2, 21.21 29 P, P, 11 54 09.0 -0.2, 21.22 47 P, P, 11 54 09.0 -0.2, 21.24 51 P, P, 11 54 09.6 +0.2, 21.29 22 P, Iamb, Iamb, 11 54 10.8, 21.29 22 P, P, 11 54 10.1 +0.2, 21.31 40 P, Iamb, Iamb, 11 54 09.7 -0.5, 21.31 40 P, pmax, pmax, 11 54 09.7 -0.5, 21.32 35 P, P, 11 54 10.1 -0.2, 21.32 35 P, P, 11 54 10.7 +0.4, 21.39 37 P, P, 11 54 12.4 +1.5, 21.39 44 P, P, 11 54 10.7 -0.4, 21.41 39 P, P, 11 54 11.7 +0.5, 21.41 39 P, pmax, pmax, 11 54 11.7 +0.5, 21.42 20 P, P, 11 54 11.3 0.0, 21.42 20 P, P, 11 54 10.7 -0.7, 21.46 42 P, P, 11 54 10.5 -1.5, 21.55 32 P, P, 11 54 12.8 +0.1, 21.60 24 P, P, 11 54 13.2 -0.1, 21.66 28 P, Iamb, Iamb, 11 54 13.3 -0.6, 21.66 28 P, P, 11 54 20.4, 21.66 28 P, P, 11 54 13.8 -0.1, 21.73 37 P, Iamb, Iamb, 11 54 14.1 -0.6, 21.73 37 P, P, 11 54 16.9, 21.73 37 P, P, 11 54 14.0 -0.7, 21.80 41 P, P, 11 54 14.7 -0.9, 21.80 41 P, P, 11 54 14.8 -0.7, 21.89 35 P, Iamb, Iamb, 11 54 15.6 -0.7, 21.89 35 P, P, 11 54 19.2, 21.89 35 P, P, 11 54 15.6 -0.7, 21.93 46 P, P, 11 54 17.0 0.0, 22.00 44 P, P, 11 54 17.2 -0.3, 22.02 17 P, Iamb, Iamb, 11 54 17.4 -0.3, 22.06 37 P, Iamb, Iamb, 11 54 15.9 +2.1, 22.09 30 P, P, 11 54 18.1 -0.4, 22.16 33 P, P, 11 54 18.9 -0.3, 22.22 36 P, Iamb, Iamb, 11 54 19.2 -0.8, 22.24 28 P, P, 11 54 19.7 -0.4, 22.25 37 P, P, 11 54 19.1 -1.0, 22.30 50 P, P, 11 54 20.5 -0.3, 22.32 25 P, P, 11 54 20.7 -0.3, 22.33 37 P, P, 11 54 22.7 +1.7, 22.33 37 P, P, 11 54 21.2 +0.6, 22.33 37 P, pmax, pmax, 11 54 21.7 +0.7, 22.42 48 P, P, 11 54 22.0 -0.1, 22.42 31 P, Iamb, Iamb, 11 54 21.6 -0.9, 22.46 31 P, P, 11 54 22.2 -0.3, 22.48 38 P, P, 11 54 22.0 -0.7, 22.48 38 P, P, 11 54 23.2 +0.5, 22.54 44 P, P, 11 54 23.3 0.0, 22.57 46 P, P, 11 54 22.9 -0.9, 22.57 46 P, P, 11 54 23.9 +0.1, 22.57 42 P, P, 11 54 23.7 -0.1, 22.60 36 P, P, 11 54 22.6 -1.3, 22.60 36 P, P, 11 54 22.1 -0.8, 22.60 36 P, P, 11 54 24.4 +0.5, 22.66 37 P, P, 11 54 23.1 -1.5, 22.66 37 P, P, 11 54 22.2 -2.3, 22.66 37 P, P, 11 54 22.6 -1.9, 22.66 37 P, P, 11 58 15.8 -0.9, 22.66 37 P, LR, 12 05 01.2, 22.66 37 P, Iamb, Iamb, 11 54 24.0 -0.6, 22.66 37 P, P, 11 54 25.9, 22.66 20 P, P, 11 54 24.4 -0.2, 22.67 37 P, P, 11 54 22.9 -1.9, 22.69 30 P, P, 11 54 24.2 -0.7, 22.73 40 P, P, 11 54 25.2 -0.2, 22.73 27 P, Iamb, Iamb, 11 54 24.7 -0.7, 22.76 34 P, Iamb, Iamb, 11 54 27.9, 22.76 34 P, P, 11 54 25.7 -0.1, 22.76 34 P, P, 11 54 26.8 -0.5, 22.76 34 P, P, 11 54 27.6 -0.1, 22.76 34 P, Iamb, Iamb, 11 54 28.2, 22.76 34 P, P, 11 54 27.4 -0.4, 22.76 34 P, Iamb, Iamb, 11 54 27.1 -0.7, 22.76 34 P, P, 11 54 27.1 -0.7, 23.02 47 P, P, 11 54 28.3 -0.4, 23.19 38 P, P, 11 54 28.6 -1.7, 23.26 47 P, Iamb, Iamb, 11 54 30.3 -0.5, 23.26 47 P, Iamb, Iamb, 11 55 13.3

Table with columns for station ID, name, frequency, power, and coordinates. Includes stations like MCARA, G24K, MENT, E23K, PRP, M26K, L26K, SCRK, F24K, TOLK, H25L, B22K, J26L, A21K, G25K, BARN, J26L, J26L, J26L, CTG, CTG, CTG, M27K, M27K, M27K, LOG, G23K, L27K, L27K, BCAR, D24K, D24K, I26K, I26K, K27K, K27K, K27K, F25K, BVCY, O28M, YUK3, C24K, E25K, E25K, G26K, G26K, PNL, YSS, YSS, YUK8, EGAK, EGAK, EGAK, I27K, D25K, O29M, H27K, YUK4, YUK6, G27K, DAWY, DAWY, M29M, M29M, P29M, P29M, I28M, I28M, C26K, HYT, HYT, HYT, L29M, L29M, L29M, E27K, E27K, P30M, N30M.

Table with columns for station ID, name, frequency, power, and coordinates. Includes stations like J29N, K29M, K29M, PLBC, M30M, S31K, F28M, F28M, H29M, H29M, O30N, R31K, D27M, D27M, G29M, SKAG, SKAG, SKAG, J30M, J30M, I30M, I30M, WHY, EPYK, EPYK, R32K, S32K, E29M, E29M, M31M, D28M, G30M, G30M, F30M, FARO, H31M, H31M, P33M, G31M, F31M, F31M, WRAK, INK, INK, INK, R33M, R33M, R33M, S34M, V35K, DLBC, DLBC, T35M, U35K, WTLY, TGTN, KLR, KLR, TIXI, TIXI, TOAD, H11N, H11N, H11N, C36M, C36M, WRGL, KOTAN, A36M, A36M, FLDN, USA0, USA0, PSTR, YKA, YKA, YKA, KSR5, KSR5, KSR5, NEW, NEW, NEW.

Table with columns for station ID, name, frequency, power, and coordinates. Includes stations like NEW, NEW, NEW, EDM, EDM, EDM, RES, RES, PAHR, PAHR, PNTR, PNTR, LYMT, HLID, HLID, KVN, KVN, NVAR, NVAR, EGMT, EGMT, EGMT, NV11, NV11, MLAC, BOZ, BOZ, BOZ, ELK, ELK, NRIK, NRIK, SMMC, FFC, FFC, YES, PKM, CWC, H17A, GRAC, ISA, ARVC, R11B, R11B, ULN, ULN, RLMT, RLMT, RLMT, MPMC, GUMO, FURC, LRMC, SONM, SONM, EDW2, DUG, SHOC, GSC, FMP, BW06, PD31, PD31, PDAR, PDAR, BFSC, DGMT, DGMT, BBRC, HEC, CCUT, CCUT, MURC, GMRC, PFO, TPFO, BELC, 109C, RDMU, NEM, NEM, NEE2, MONP2, IRM, BC3, K22A, IKP.

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Table of satellite observations with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Trend, Elevation Trend, Azimuth Slope, Elevation Slope, Azimuth Intercept, Elevation Intercept, Azimuth Offset, Elevation Offset, Azimuth Scale, Elevation Scale, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Trend, Elevation Trend, Azimuth Slope, Elevation Slope, Azimuth Intercept, Elevation Intercept, Azimuth Offset, Elevation Offset, Azimuth Scale, Elevation Scale.

2018 APR

Table of satellite observations for 2018 APR with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Trend, Elevation Trend, Azimuth Slope, Elevation Slope, Azimuth Intercept, Elevation Intercept, Azimuth Offset, Elevation Offset, Azimuth Scale, Elevation Scale.

23d 12h

Table of satellite observations for a 23-day 12-hour period with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Trend, Elevation Trend, Azimuth Slope, Elevation Slope, Azimuth Intercept, Elevation Intercept, Azimuth Offset, Elevation Offset, Azimuth Scale, Elevation Scale.

23d 12h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like WRKA, OOD, EIDS, MBWA, PSAO, LCFK, MULG, STKA, FORT, BBOO, ARMA, HTT, JHJ, CMAR, PZH, ASAJ, HHC, HHC, KLR, SHL, SONM, SONM, MK31, MKAR, MKAR, MAKZ, KSH, ZALV, BOOM, KURBB, ARSB, VNSA, VNSA, BVAR, BRVK, GEYT, MAW, ABKAR, BMAR, GCAR, QSPA, QSPA, LPAZ, CPUP.

JMA 23 12:38:39.70.3.25 N11.122.0E0.7, h88km, 3km, Mv2.9/15, TAIWAN REGION TAP 23 12:38:39.5.24.82N.122.01E.h90km, ML3.7, B ISC 23 12:38:39.7.1.3.24.85N.0.03.122.01E.0.03.7h0km, 6km, n142, 0.05/202, Taiwan region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like TWB1, TWB1, NTC, TIPB, ILA, ILA, SX11, TWC, WFSB, WFSB, ESWO, TSE, NDS, TNOU, TNOU, FUSB, ENT, EWUT, NHDH, NHDH, NWLT, NWLT, EOS2, EOS2, ENA.

2018 APR

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like ENA, TATO, NDT, NDT, LATG, LATG, ANP, ANP, ANP, EHAH, EHP, EHP, TWS1, TWS1, NTST, NTST, YHNB, YHNB, YHNB, NSK, NSK, EOSS, EOSS, NNS, NNS, NNSB, NCUH, NCUH, ETL, NACB, NACB, EOSA, EOSA, PCYT, ETLH, NFF, NFF, TWD, LIOB, LIOB, LIOB, SBCB, JYNG, JYNG, NSTT, HWA, HSN, HSN, TWT, TWT, WHF, WHF, TDCB, TDCB, TDCB, LXIB, YOJ, YOJ, YOJ, YOJ, ETM, TEYL, CHGB, CHGB, WHP, SHUL, NMLH, NMLH, ESL, OWD, WUSB, NSY, NSY, TWSY, WARBT, WCS, WCS, EGFH, WDJ, WDJ, WVD, WVD, WVD, SMLT, TYC.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like TYC, SSSL, SSSL, SSSL, HGSD, HGSD, EHY, EHYH, WCHH, WNT, WNT, WJS, WJS, WJS, WHYT, WHYT, YULB, YULB, ECBN, ECBN, ECBN, EYUL, TWF1, IRIF, ALS, CHKH, WKG, WKG, WKG, WRL, WRL, FULB, WDLH, WDLH, WDLH, HATJ, HATJ, CHKT, EHD, WTK, ELDTW, ECS, WCKO, JKRS, CHN4, EDH, TPUB, TPUB, JJJ, STYH, WSF, WTP, LONT, TWK, JISG, SNST, CHN1, CHN1, ICHU, ICHU, SGST, TWG, TWGB, TWGB, CHN8, CHN8, SLGT, MATB, VVUC, VVUC, SCST, ECL, TSCK, SSD, JTJ, TSMG, MASBT, PHUB, PTMZ, XPSS, LYJJ, WDGJ, EAST, EAST, SCZ, VCHM, MHZO, KNMB.

ISK 23 12:51:21.3.34.58N.33.93E, h23km, ML2.9/12 GII 23 12:51:22.0.6.34.568N.0.004.33.969E.0.001, h30km, M2.6/2, Mws2.9/4, confirmed NIC 23 12:51:22.8.34.64N.33.97E, h32km, 36km, ML2.6/9 AFAD 23 12:51:23.7.0.0.34.90N.33.55E, h25km, 3km, ML2.6

**GRAL 23 12:51:23.5,0.3,34.55N;-34.17E,h16km,46km,MD3.0**  
**ISC 23 12:51:21.6,1.1,34.63N;0.02-34.01E,0.03,h33km,12km,**  
**n74,c15/97,1C-3D,Cyprus region**

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
					ISC	h	m s
					Pn		ISC
PARAL	Paralimni	0.37	41	i	P	12 51 31.7	+1.0
PARAL	PARAL				S	12 51 38.6	+2.0
PARAL	2.1nm,0.8s				AML	12 51 39.5	
PARAL	1.0nm,0.6s				AML	12 51 45.2	
MVOU	Mavrovouni	0.50	322	P	Pn	12 51 32.4	+0.1
MVOU	MVOU				S	12 51 40.3	+0.4
MVOU	1.9nm,0.8s				AML	12 51 41.0	
MVOU	1.0nm,0.4s				AML	12 51 42.1	
AKIN	AKincilar- Kib	0.59	311	Pg	Pn	12 51 33.6	0.0
AKIN	AKIN				Sg	12 51 42.5	+0.4
ASGA	Asgata	0.65	284	eP	Pn	12 51 34.2	+0.3
ASGA	ASGA				S	12 51 43.9	+0.4
ASGA	0.8nm,0.3s				AML	12 51 45.0	
ASGA	0.7nm,0.3s				AML	12 51 46.7	
CSS	Mathiatis	0.65	301	Pg	Pn	12 51 34.4	-0.1
CSS	CSS				Sg	12 51 43.0	0.0
CSS	Mathiatis	0.65	301	i	P	12 51 34.7	+0.2
CSS	CSS				S	12 51 43.7	0.0
CSS	0.6nm,0.4s				AML	12 51 44.7	
CSS	0.6nm,0.6s				AML	12 51 47.1	
CSS	Mathiatis	0.65	301	P	Pn	12 51 34.4	-0.1
CSS	CSS				S	12 51 44.3	+0.7
ATHAL	Athalassa	0.72	316	S	Pn	12 51 35.8	+0.4
ATHAL	ATHAL				S	12 51 46.8	+1.5
ATHAL	0.9nm,0.5s				AML	12 51 53.4	
ATHAL	1.1nm,0.4s				AML	12 51 57.8	
LFK	Lefkose	0.76	329	Pg	Pn	12 51 36.9	+0.9
LFK	LFK				Sg	12 51 48.1	+1.7
EREN	Erenkoy	0.91	8	Pg	Pb	12 51 39.9	+1.0
EREN	Erenkoy	0.91	8	P	Pb	12 51 39.9	+0.5
EREN	EREN				S	12 51 51.3	+0.5
EREN	EREN				i	12 52 00.0	
TROD	Troodos	0.99	289	P	Pb	12 51 39.8	-0.6
TROD	TROD				Sb	12 51 54.1	+0.8
TROD	0.7nm,0.4s				AML	12 51 56.2	
TROD	0.6nm,0.5s				AML	12 51 56.5	
LEF	Lefka	1.04	298	Pg	Pb	12 51 40.6	-0.5
LEF	Lefka	1.04	298	P	Pb	12 51 40.9	-0.2
AKDN	Akdeniz- Kibri	1.06	308	Pg	Pb	12 51 40.2	-0.6
NATA	Nata	1.19	278	P	S	12 51 43.1	-0.6
NATA	NATA				Sb	12 51 59.9	+1.1
NATA	3.8nm,0.5s				AML	12 52 02.2	
NATA	2.2nm,0.6s				AML	12 52 03.0	
ALFC	Alefka	1.27	295	i	P	12 51 43.2	+0.1
ALFC	ALFC				Sb	12 52 00.2	-0.9
ALFC	0.5nm,0.4s				AML	12 52 01.4	
ALFC	0.4nm,0.2s				AML	12 52 02.0	
ALFC	0.2nm,0.2s				AML	12 52 03.5	
AKMS	Akamass	1.43	286	P	Pb	12 51 46.4	-1.3
AKMS	AKMS				S	12 52 04.7	-0.8
AKMS	0.4nm,0.3s				AML	12 52 06.5	
BKMS	0.4nm,0.3s				AML	12 52 10.7	
AHL	Bhannes	1.54	117	eP	Pn	12 51 47.4	+0.5
DQRL	Deir Qamar	1.59	125	P	Pn	12 51 48.0	+0.5
GULN	MERSIN- Gulnar	1.60	346	P	P	12 51 46.7	-0.9
GULN	GULN				S	12 52 05.9	-1.2
IKL	Isikli	1.63	351	P	Pn	12 51 48.5	-1.6
HWQ	Hawqa	1.64	102	eP	Pn	12 51 48.8	+0.6
HWQ	Zahle	1.73	116	eP	S	12 52 07.4	-0.8
BEIL	Beino	1.80	92	eP	Pn	12 51 49.8	+0.3
BEIL	BEIL				S	12 51 51.0	+0.7
HNHT	Hanita	1.82	147	P	Pn	12 52 11.4	-0.6
HNHT	Hanita	1.82	147	S	Pn	12 52 12.4	-0.1
BERE	Bereket-Mersin	1.83	340	Pn	Pn	12 51 52.2	+1.3
KEBE	Keben-Mersin	1.83	353	Pn	Pb	12 51 52.9	-1.6
KIZK	Mersin	1.85	3	Pn	Pn	12 51 53.0	+2.0
TEVE	Tevkekati-Mers	1.86	346	Pn	Pb	12 51 53.3	-1.7
RCY	Rachaya	1.89	126	eP	Pn	12 51 52.2	+0.5
GEM	Giv'at Ha'Em	1.97	135	P	eS	12 52 13.3	-1.2
GEM	GEM				S	12 51 53.3	-0.7
GEM	Giv'at Ha'Em	1.97	135	S	Pn	12 52 14.5	-1.8
GEM	GEM				S	12 52 16.0	-0.3
MMNC	Mount Meron ar	1.97	144	P	Pn	12 51 53.3	+0.6
NATI	Neve Ativ	1.98	133	P	Pn	12 51 53.5	+0.8
NATI	Neve Ativ	1.98	133	P	Pn	12 51 52.9	+0.1
NATI	Neve Ativ	1.98	133	S	Pn	12 52 16.4	0.0
MMAB	Mount Meron ar	1.98	144	P	Pn	12 51 53.3	+0.4
MMAB	Mount Meron ar	1.98	144	S	Pn	12 51 54.3	-0.3
GAZI	Gazipasa	2.12	320	Pn	Pn	12 51 55.9	+1.2
GAZI	Gazipasa	2.12	320	P	Pn	12 51 54.9	+0.2
GAZI	GAZI				S	12 52 18.2	-1.7
GAZI	comp=N,96nm,0.6s				i	12 52 24.0	
GAZI	comp=E,97nm,0.6s				i	12 52 24.0	
BLGI	Bet Lehem Hage	2.13	152	P	Pn	12 51 54.3	-0.5
BLGI	Bet Lehem Hage	2.13	152	S	Pn	12 52 20.5	+0.3
OFRI	Ofar	2.16	158	P	Pn	12 51 55.8	+0.3
OFRI	Ofar	2.16	158	S	Pn	12 52 20.2	-0.7
KSHT	Keshet	2.22	137	S	Sn	12 52 23.3	+0.7
KSHT	Keshet	2.22	137	P	Pn	12 51 57.3	+1.1
MMLI	Mount Malkishu	2.48	151	P	Pn	12 52 06.8	+0.9
MMLI	Mount Malkishu	2.48	151	P	Pn	12 52 00.7	+1.0
MMLI	Mount Malkishu	2.48	151	S	Pn	12 52 07.9	+0.4
SLTI	Salit	2.53	160	S	Sb	12 52 34.9	-2.2
HDMT	Hadam	2.64	322	Pn	Pn	12 52 03.2	+1.1
HDMT	Nahal Hemdat	2.69	151	P	Pn	12 52 03.8	+1.3
HDMT	Nahal Hemdat	2.69	151	S	Pn	12 52 34.8	+0.8
HDMT	Nahal Hemdat	2.69	151	P	Pn	12 52 03.9	+1.3
KBKE	Karaman, Kazim	2.73	342	S	Pn	12 52 05.6	+2.5
KBKE	KBKE				S	12 52 33.0	-2.1
SALP	Salfit	2.74	158	P	Pn	12 52 04.6	+1.4
KERG	Konya-Eregli	2.78	2	P	Pn	12 52 06.0	+2.0
HASA	Hatay-Hassa-Ha	2.93	43	P	Pn	12 52 04.1	-1.7
HASA	HASA				i	12 52 44.0	
KEPZ	Antalya-Kepez	3.00	320	P	Pn	12 52 06.8	0.0
KEPZ	KEPZ				S	12 52 39.2	-2.4
DSI	Dead Sea	3.26	159	P	Pn	12 52 11.5	+1.1
DSI	DSI				S	12 52 49.8	+1.0
DSI	Dead Sea	3.26	159	P	Pn	12 52 48.1	+0.1
DSI	Dead Sea	3.26	159	S	Pn	12 52 11.4	+1.1
YTR	Yatir	3.38	164	P	Pn	12 52 14.9	+2.7
LTISJ	El Lisan	3.60	159	P	Pn	12 52 17.1	+2.1
KRMI	Paran Flat	4.54	172	P	Pn	12 52 29.3	+1.0
KRMI	Paran Flat	4.54	172	P	Pn	12 52 29.7	+1.7
KRMI	Paran Flat	4.54	172	S	Pn	12 53 18.8	-0.8
HRFI	Mount Harif	4.66	169	S	Pn	12 53 22.4	-0.2
HRFI	Mount Harif	4.66	169	P	Pn	12 52 30.5	+0.9
MBR1	Mt Berech	4.88	171	P	Pn	12 52 35.7	+3.0
MBR1	Mt Berech	4.88	171	P	Pn	12 52 34.1	+1.3

ISC 23 12:53:44.1,1.0,41.15S;85.34E,h0km,mb4.0/9,  
 mbmp4.0/9,MS4.0/30,Error ellipse: s-maj=29.5km  
 s-min=23.6km az=94.0  
 NEIC 23 12:53:45.1,1.8,41.1S;0.1:85.2E;0.2,110(km),1km,  
 mb4.6/11,Error ellipse: s-maj=24.6km s-min=20.9km  
 az=270.0  
 GCMT 23 12:53:49.1,0.4,40.99S;0.03:86.12E;0.03,h34km,1km,  
 MW5.0/83,Moment Tensor Solution. s17,c19; s83,c93;  
 Duration: 0 Moment tensor: Scale 10<sup>19</sup>Nm, Mi=0.57;24;  
 Mw=3.67;18; M<sub>ww</sub>=3.10;18; M<sub>eo</sub>=0.64;17; M<sub>so</sub>=0.09;21;

Mu=0.91±.15; Best double couple: M3.58400×10<sup>16</sup>  
 NP1=32.00000°;84.00000°;A-161.00000°; NP2:  
 9=133.22000°;871.00000°;A-7.00000°; Principal axes: T  
 3.7720,Plg9.0000°,Az=358.0000°;N-0.3720,  
 Plg70.0000°;Az=243.0000°;P-3.3960,Plg18.0000°  
 Az=91.0000°; nsta1 refers to body waves, cutoff=40s.  
 nsta2 refers to surface waves, cutoff=50s. Triangular  
 moment-rate function

ISC 23 12:53:45.3,0.7,41.2S;0.1:85.4E;0.2,h10km,n57,  
 c0:98/24,mb4.3/17,MS4.0/30,Southeast Indian Ridge

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
					ISC	h	m s
					Pn		ISC
H01W2	Cape Leeuwin H	23.43	84	T	T	13 22 45.3	
H01W3	Cape Leeuwin H	23.44	84	T	T	13 22 45.9	
H01W1	Cape Leeuwin H	23.45	84	T	T	13 22 46.6	
H04S1	CROZET ISLANDS	24.61	245	T	T	13 24 60.0	
H04S2	CROZET ISLANDS	24.63	245	T	T	13 25 00.9	
H04S3	CROZET ISLANDS	24.63	245	T	T	13 25 00.5	
H04N2	CROZET ISLANDS	24.68	247	T	T	13 25 11.7	
H04N3	CROZET ISLANDS	24.70	247	T	T	13 25 09.3	
H04N1	CROZET ISLANDS	24.70	247	T	T	13 25 11.6	
NWAO	Narrogin (SRO)	26.61	82	LR	LR	13 07 38.3	
MAW	Mawson	29.21	137	LR	LR	13 08 44.3	
H08S2	Diego Garcia H	35.29	337	T	T	13 37 53.8	
H08S1	Diego Garcia H	35.29	337	T	T	13 37 54.5	
H08S3	Diego Garcia H	35.31	337	T	T	13 37 55.5	
LEM	Lembang	39.51	36	LR	LR	13 13 43.5	
BBOO	Bucklebo	40.84	95	P	Iamb	13 01 28.3	+1.1
BBOO	BBOO				Iamb	13 01 38.0	
ASAR	Alice Springs	43.93	82	P	P	13 01 53.0	+0.6
ASAR	ASAR				PcP	13 03 39.0	+0.6
ASAR	comp=Z,1.3nm,0.9s,baz=232,slow=3.1,SNR=6.8				LR	13 18 04.7	
ASAR	comp=Z,369nm,19.8s,baz=245,slow=33				P	13 01 50.8	-1.7
AS31	Alice Springs	43.93	82	P	P	13 02 04.3	0.0
STKA	Stevens Creek	45.43	97	P	P	13 02 04.7	+0.3
STKA	Stevens Creek	45.43	97	P	P	13 02 04.7	+0.3
STKA	comp=Z,2.7nm,0.7s,baz=252,slow=6.9,SNR=7.6				P	13 17 09.6	
WRA	Warramunga Arr	46.47	78	P	P	13 02 13.6	+0.9
WRA	comp=Z,1.3nm,0.8s,baz=233,slow=7.7,SNR=5.5				PcP	13 03 46.8	-0.4
WRA	comp=Z,0.7nm,0.9s,baz=228,slow=3.0,SNR=9.9				LR	13 20 38.1	
WRO	Warramunga Arr	46.61	78	P	Iamb	13 02 13.1	-0.7
WRO	WRO				Iamb	13 02 19.1	
WBO	Warramunga Arr	46.62	78	P	Iamb	13 02 13.8	-0.1
WBO	WBO				Iamb	13 02 17.9	
VNDA	Vanda	47.29	163	P	P	13 02 18.9	+0.5
VNDA	comp=Z,0.3nm,0.6s,baz=272,slow=6.8,SNR=2.2				LR	13 20 08.2	
VNDA	comp=Z,138nm,19.7s,baz=268,slow=34				P	13 18 17.2	
PALK	Pallekele	48.38	354	LR	LR	13 18 17.2	
MTN	Manton Dam	48.80	68	P	P	13 02 30.2	-0.6
QSPA	South Pole Qui	49.00	180	P	P	13 02 32.8	+0.9
QSPA	South Pole Qui	49.00	180	P	P	13 02 31.9	0.0
QSPA	comp=Z,24nm,1.2s,baz=290,slow=1.7,SNR=23				LR	13 20 54.1	
QSPA	comp=Z,214nm,21.9s,baz=298,slow=33				P	13 19 46.1	
QSPA	comp=Z,24nm,1.2s				LR	1	

23d 13h

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like CP5B Cacapava Do Su, PLTB Pedras Altas, ARB Pedras Altas, etc.

ISK 23 12:58:01.0, 34:58'N-33:98'E, h27km, ML3.8/38
GRAL 23 12:58:02.5, 1.1, 34:57'N-34:01'E, h26km, 50km, MD3.7
ATH 23 12:58:03.0, 34:36'N-33:52'E, h2km, 6km, ML3.9/8, Error ellipse: s-maj=10.1km s-min=1.5km az=73.0

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like Code Station Name, Azimuth, Phase, Time, Res. Includes stations like PARAL Paralmi, PARAL Paralmi Civi, etc.

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Main table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like KARG Kargicak-Mersi, YESI Yesilovacik-Me, DORL Deir Qamar, etc.

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

IDC 23 13:04:45.6:2.1, 13:81'N-92:44'W, h0km, mb3.6/4, mbtp3.5/8, ML3.3/4, MS1.1/1, Error ellipse: s-maj=45.5km s-min=22.9km az=14.0
MEX 23 13:04:51.3:1.1, 14:03'N-92:54'W, h28km, 8km, MD4.2
GCG 23 13:04:53.6:0.3, 14:33'N-92:12'W, h79km, 8km, MD4.1
ISC 23 13:04:48.9:1.9, 14:11'N-0:06:92.45W, 0.03, h13km, 11km, n33, c173/53, mb3.7/4, Near coast of Chiapas

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

Table with columns: Call Sign, Frequency, Mode, Power, and other details. Includes stations like MXZ Matakaoa Point, URZ Urewera, and various other frequencies.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, and other details. Includes stations like CIHU Emiliano Zapata, CJM Chamele, and various other frequencies.

Table with columns: Call Sign, Frequency, Mode, Power, and other details. Includes stations like GLA Glamis, AMTX Amarillo, and various other frequencies.

23d 13h

Table with columns for station ID, name, elevation, date, wind, and temperature. Includes stations like LRLAL, KSU1, G12A, etc.

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Table with columns for station ID, name, elevation, date, wind, and temperature. Includes stations like WHY, O29M, YUK6, etc.

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Table with columns for station ID, name, elevation, date, wind, and temperature. Includes stations like E27K, P17K, PPLA, etc.



Table with columns for station ID, name, coordinates, and other parameters. Includes stations like F14K Arctic Creek, A19K Wainwright, TNA Tin City, etc.

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like YUK comp=E,752nm,0.2s, SHO Shikotan, SHO Marumori, etc.

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like KIRV Kirov, RES Resolute Bay, YKA Yellowknife Ar, etc.

NEIC 23 13:40:50.0, 1.7, 41.90N, 0.07, 143.14E, 0.1, h77km, 4km, mb4.3/9, Error ellipse: s-maj=16.0km s-min=8.2km az=115.0

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like JSD Sado, MAJO Matsushiro, MAJO Matsushiro, etc.

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

JMA 23 13:40:50.0, 0.2, 42.00N, 0.8, 142.7E, 0.8, h65km, 1km, MD3.9/35, MV3.9/35, S OFF URAKAWA

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like INU Inuyama, USRK Utsuyuki Arr, TYV Tymovskoe, etc.

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

MOS 23 13:40:50.0, 0.9, 41.99N, 142.81E, h83km, mb4.0/5, Error ellipse: s-maj=10.8km s-min=7.1km az=77.7

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like TYV Tymovskoe, TYV Tymovskoe, TYV Tymovskoe, etc.

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

NIED 23 13:40:50.9, 42.00N, 142.69E, h65km, MW4.0, Moment Tensor Solution, s3 Moment tensor: Scale 10^19Nm

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like TYV Tymovskoe, TYV Tymovskoe, TYV Tymovskoe, etc.

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

SKHL 23 13:40:51.7, 0.2, 42.00N, 142.80E, h79km, 8km, mb4.9/3, IDC 23 13:40:52.6, 1.5, 42.05N, 142.72E, h81km, 12km, mb3.5/16

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like TYV Tymovskoe, TYV Tymovskoe, TYV Tymovskoe, etc.

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

ISC 23 13:40:50.8, 0.6, 41.97N, 0.04, 142.75E, 0.03, h71km, 5km, n118, s1950/120, mb3.9/22, C2-21D, Hokkaido region

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like TYV Tymovskoe, TYV Tymovskoe, TYV Tymovskoe, etc.

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

Code Station Name A° AZ° Phase ID Time Res Code Station Name A° AZ° Phase ID Time Res

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like JNBK Urakawa-nobuka, JNBK Urakawa-nobuka, ERM Erimo, etc.

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

JSHD Hidakashinhida 0.48 335 J J P 13 41 02.6 -0.9 JSHD Hidakashinhida 0.48 335 J J P 13 41 02.6 -1.3

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like JNBK Urakawa-nobuka, ERM Erimo, JEM Erimo, etc.

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

JTHR Tokachihiroo 0.52 52 A P 13 41 04.0 +0.2 JTHR Tokachihiroo 0.52 52 A P 13 41 04.0 +0.2

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like JNBK Urakawa-nobuka, ERM Erimo, JEM Erimo, etc.

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

JCH Churui 0.79 35 S P 13 41 06.8 0.0 JCH Churui 0.79 35 S P 13 41 06.8 0.0

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like JNBK Urakawa-nobuka, ERM Erimo, JEM Erimo, etc.

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

JBT2 Biratori 2 0.85 341 J J P 13 41 06.7 -0.8 JBT2 Biratori 2 0.85 341 J J P 13 41 06.7 -0.8

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like JNBK Urakawa-nobuka, ERM Erimo, JEM Erimo, etc.

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

JIAM Iburiatsuma 0.89 317 J J P 13 41 20.4 -0.4 JIAM Iburiatsuma 0.89 317 J J P 13 41 20.4 -0.4

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like JNBK Urakawa-nobuka, ERM Erimo, JEM Erimo, etc.

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

JFR Furan 1.20 355 P P 13 41 11.6 -0.2 JFR Furan 1.20 355 P P 13 41 11.6 -0.2

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like JNBK Urakawa-nobuka, ERM Erimo, JEM Erimo, etc.

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

JOB Onbets 1.23 40 I P 13 41 13.4 +1.2 JOB Onbets 1.23 40 I P 13 41 13.4 +1.2

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like JNBK Urakawa-nobuka, ERM Erimo, JEM Erimo, etc.

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

JKB Kayabe 1.28 267 J J P 13 41 12.1 -0.7 JKB Kayabe 1.28 267 J J P 13 41 12.1 -0.7

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like JNBK Urakawa-nobuka, ERM Erimo, JEM Erimo, etc.

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

JEW Eniwo 1.29 312 J J P 13 41 12.5 -0.6 JEW Eniwo 1.29 312 J J P 13 41 12.5 -0.6

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like JNBK Urakawa-nobuka, ERM Erimo, JEM Erimo, etc.

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

JNB Noboribetsu 1.36 292 J J P 13 41 12.6 -1.4 JNB Noboribetsu 1.36 292 J J P 13 41 12.6 -1.4

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like JNBK Urakawa-nobuka, ERM Erimo, JEM Erimo, etc.

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

JOT Ohata 1.40 246 J J P 13 41 14.2 -0.3 JOT Ohata 1.40 246 J J P 13 41 14.2 -0.3

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like JNBK Urakawa-nobuka, ERM Erimo, JEM Erimo, etc.

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

JAR Ashorobuto 1.52 29 A A 13 41 16.4 JAR Ashorobuto 1.52 29 A A 13 41 16.4

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like JNBK Urakawa-nobuka, ERM Erimo, JEM Erimo, etc.

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

JAB Ashibetsu 1.59 346 A A 13 41 16.7 JAB Ashibetsu 1.59 346 A A 13 41 16.7

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like JNBK Urakawa-nobuka, ERM Erimo, JEM Erimo, etc.

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

23d 14h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Palembang, Manna, Liwa, Kota Agung, etc.

2018 APR

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes various station groups like FINES, ARCES, SPITS, and specific event codes like DJA 23 13:58:38.0, 5.0, 9.5, etc.

1472

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BBOO, WR0, AS31, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MDT Midelt, TORO Torodi Ar. Bea, DBIC Dimbokro, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like I26DE FREYUNG INFRAS, I37NO I37NO, I48TN KESRA INFRASON, etc.

AEIC 23 15:03:07.0, 3.2, 51.82N, 0.07, 171.72W, h0km, Error ellipse: s-maj=9.9km s-min=4.6km az=165.0
MOS 23 15:03:07.9, 0.9, 52.04N, 171.75W, h64km, mb4.7/23, Error ellipse: s-maj=11.7km s-min=7.6km az=101.7
NEIC 23 15:03:07.8, 2.5, 51.9N, 0.1, 171.74W, 0.07, h47km, 7km, mb4.4/135, ML4.1(AEIC), Error ellipse: s-maj=15.4km s-min=5.6km az=170.0
IDC 23 15:03:08.6, 2.7, 52.06N, 171.76W, h54km, 23km, mb3.9/32, mbmp4.2/35, ML3.6/3, MS3.5/34, Error ellipse: s-maj=18.6km s-min=10.4km az=1.0
ISC 23 15:03:07.4, 0.9, 51.84N, 0.08, 171.74W, 0.04, h51km, 6km, mb29.18/27/573, mb4.4/100, MS3.5/35, 7C-7D, Fox Islands

Main table for 1473 with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CLES Cleveland East, KOFK Korovin Flat P, ATKA Atka Island, etc.

Main table for 2018 APR with columns: J14K, Station Name, Az, Phase ID, Time, Res. Includes stations like Nanvaranak Lak, Wolf Creek Mou, Nushagak Hills, etc.

Main table for 23d 15h with columns: BPAW, Station Name, Az, Phase ID, Time, Res. Includes stations like Bear Paw Mtn., Glacier View, Nostak River, etc.

Table of station data for 23d 15h. Columns include station ID, name, elevation, frequency, power, and coordinates. Includes stations like B20K Meade River, O28M Mount Upton, E23K Chandalar, etc.

Table of station data for 2018 APR. Columns include station ID, name, elevation, frequency, power, and coordinates. Includes stations like P32M Atlin, D27M Malcom River, D27M Malcom River, etc.

Table of station data for 1474. Columns include station ID, name, elevation, frequency, power, and coordinates. Includes stations like NVAR Mina Array Bea, NVAR Mina Array Bea, PSTR Posyet, etc.

1475

Table of astronomical observations for 1475, listing stations (AGMN, Q24A, etc.), station names, coordinates, and observation details.

2018 APR

Main table of astronomical observations for 2018 APR, listing stations (LZH, M53A, etc.), station names, coordinates, and observation details.

23d 15h

Table of astronomical observations for 23d 15h, listing stations (VRAC, KHC, etc.), station names, coordinates, and observation details.

IDC 23 15:24:10.6-866.0,54\*29N,2.34E, h0km, Error ellipse: s-maj=374.5km s-min=156.5km Az=120.0, North Sea

JMA 23 15:26:24.3-0.4,44\*12'N,214\*7'E, h134km,2.4km, MV2.9/30, AAR COPU ISLAND

SKHL 23 15:26:24.0-0.2,44\*30'N,146\*80'E, h134km,8km, mb4.3/3, msha4.8/3

ISC 23 15:26:24.2-0.4,44\*40'N,008-146.73E,0.09, h127km,17km,n18,0545/28, Kuril Islands

Table of astronomical observations for 23d 15h, listing stations (SHO, YUK, etc.), station names, coordinates, and observation details.

IDC 23 15:34:47.5-0.7,32\*64'N,137\*20'E, h396km,6km, mb3.3/21, mtimp4.0/28, Error ellipse: s-maj=11.8km s-min=10.2km

JMA 23 15:34:47.1-0.3,33\*12'N,213\*7'E, h409km,2km, MV3.6/34, FAR S OFF TOKAI DISTRICT

NIED 23 15:34:47.1,32\*65'N,137\*27'E, h409km, MW4.1, Moment Tensor solution. s3 Moment tensor: Scale 10^19Nm

ISC 23 15:34:48.2-0.7,32\*71'N,008-137\*28'E,0.06, h402km,5km, n48,0195/63, mb3.7/21, Southeast of Honshu

Table of astronomical observations for 23d 15h, listing stations (TTO1, TJO2, etc.), station names, coordinates, and observation details.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like JRY, BSO1, JTO, MJAR, etc.

NEIC 23 15:35:45.5±0.5, 18.3N±0.3, 68.3W±0.1, h79km, 14km, ML2 1/8, Md2.5/5(RSP), Error ellipse: s-maj=49.6km s-min=13.8km az=191.0

RSRP 23 15:35:46.4, 18.42N±68.21W, h79km, 14km, Md2.5/5 SDD 23 15:35:47.4±1.6, 18.54N±68.08W, h56km, 26km, MD2.7, ML2.5, MW2.4

ISC 23 15:35:46.7±1.5, 18.58N±0.1, 68.19W±0.04, h74km±10km, n17, c086/19,3C, Mona Passage

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PCDR, SADR, MIDR, AOPR, etc.

DJA 23 15:38:55.8±0.4, 9°S±4'12"E±, h10km, Md2.8/7, MLv2.8/7 IDC 23 15:38:57.9±2.0, 9°24'S±124.57'E, h0km, mb3.2/1, mbtmp3.1/3, ML2.9/2, Error ellipse: s-maj=35.9km s-min=19.4km az=126.0

ISC 23 15:38:52.1±2.6, 8.55S±0.2, 124.3E±0.2, h35km, n8, c055/37, Timor region

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

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

BGR 23 15:42:07.9, 5.80N±74.10W, h33km, mb5.2, Ms4.0 NEIC 23 15:42:09.8±1.9, 5.19N±0.06, 75.54W±0.06, h110km±4km, mb5.5/7.70, Mw5.5/4.2, Error ellipse: s-maj=9.4km s-min=8.3km az=51.0

MOS 23 15:42:09.4±1.0, 5.19N±75.72W, h123km, mb5.4/2.9, Error ellipse: s-maj=8.6km s-min=5.6km az=94.9 UPA 23 15:42:09.1±2.1, 5.19N±75.75W, h10km, 123km, MW5.4 RSNC 23 15:42:10.0±0.0, 5.19N±75.60W, h17km, 1km, Ms2.2, mb5.7, mB6.0, ML4.9, Mw5.4, Mw(mB)5.5, MwMwp5.5, Mw5.5

CATAC 23 15:42:10.5±0.8, 5.51N±75.67W, h12km, 8km, mb5.8, MB6.0, ML6.0 NEIC 23 15:42:10.5, 5.18N±75.44W, h110km Moment Tensor Solution. Duration: 2s3 Moment tensor: Scale 1017Nm; Mn=-0.77; Mw=0.26; Ms=1.03; M=0.46; M=0.08; Mw=0.12; Fault plane solution: Ms1.05000x1017 Np1: 0±149.9000°; 856.89000°; λ-126.43000° NP2: 0±232.46000°; 847.63000°; λ-47.67000° Principal axes: T 1.0530, Plg5.0000°; Azm265.0000°; N -0.0075, Plg3.0000°; Azm172.0000°; P -1.0455, Plg60.0000°; Azm4.0000°

VAO 23 15:42:10.1±0.3, 5.05N±75.59W, h124km, mb5.2 IDC 23 15:42:11.7±0.6, 5.12N±75.61W, h135km, 5km, mb4.9/3.8, mbtmp5.3/4.0, MS4.1/3.6, Error ellipse: s-maj=11.2km s-min=7.4km az=47.0

GCMT 23 15:42:11.8±0.1, 5.20N±0.01, 75.69W±0.01, h123km, MW5.4/145, Moment Tensor Solution. s131,c195; s145,c264; Duration: 1s2 Moment tensor: Scale 1017 Nm; Mn=-0.97±0.1; Mw=0.46±0.2; Ms=1.43±0.2; M=0.53±0.1; M=0.05±0.1; Best double couple: M=1.36900°-1017°; NP1=0±148.0000°; 855.00000°; λ-130.00000° NP2=0±24.0000°; 851.00000°; λ-47.00000° Principal axes: T 1.4420, Plg2.0000°; Azm266.0000°; N -0.1410, Plg32.0000°; Azm174.0000°; P -1.2960, Plg58.0000°; Azm359.0000°; ns1 refers to body waves, cutoff=40s. ns2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 23 15:42:09.7±0.3, 5.13N±0.02, 75.59W±0.03, h120km±2km, h120km±P-P, n1472, c1916/1268, mb5.4/507, 18C-38D, Colombia

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMAN1, NIZA, RECR, ANIL, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMAN1, NIZA, RECR, ANIL, etc.

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

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

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

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

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

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

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

CRUV	Carupano	13.42 65 eP	Pn	15 45 12.4 -3.0
TEFE	Tefe	13.91 128 eP	Pn	15 45 20.2 -1.6
SDDR	Presa de Saban	14.39 17 P	Pn	15 45 30.8 -0.6
GTBY	Tequiguicalpa,Un	14.53 308 Pn	Pn	15 45 29.9 +0.1
TUBU	Guantanamo Bay	14.71 302 P	Pn	15 45 34.6 -0.3
TRN	Trinidad (W)	15.49 88 eP	Pn	15 45 1.7 -1.0
BOAV	Boa Vista	15.28 100 P	Pn	15 45 36.9 -2.3
GRFF	Grenada Fort F	15.32 62 P	Pn	15 45 41.1 -0.6
GRGR	Grenville	15.43 62 P	Pn	15 45 41.9 +0.9
GRGR	Grenville	15.43 62 P	Pn	15 45 40.9 -0.2
GRW	Mount Saint Ca	15.44 62 P	Pn	15 45 41.4 +0.3
GRHS	Sauters	15.48 62 P	Pn	15 45 41.4 -0.2
GRSS	Sisters	15.54 62 P	Pn	15 45 41.3 -1.0
CEL	Cerrillos	15.59 34 P	Pn	15 45 40.8 -2.2
AOPR	Arecibo Observ	15.72 33 eP	Pn	15 45 44.8 +0.2
PGYF	Puerto Ayora	15.77 249 P	Pn	15 45 45.4 +0.2
CMCP	Grenada, Carri	15.79 61 P	Pn	15 45 44.4 -1.0
SVT	Saint Vincent	16.26 60 P	Pn	15 45 49.2 -2.0
SVOC	Richmond Hill,	16.27 60 P	Pn	15 45 48.6 -2.7
SVB	Belmont	16.30 59 eP	Pn	15 45 49.2 -2.6
MACA	Manacapuru-AM	17.02 119 P	P	15 45 59.8 -0.7
MACA	Manacapuru-AM	17.02 119 P	P	15 45 60.0 -0.6
NNA	Nana	17.05 184 P	P	15 46 02.5 +1.5
NNA	LR	15 54 30.4	LR	
BIM	Bigot	17.30 56 eP	Pn	15 46 01.2 0.0
FDL	Fort de France	17.12 55 P	Pn	15 45 59.5 -2.1
FDL	Fort de France	17.12 55 P	Pn	15 45 59.5 -2.1
MPOM	Morne Pois Mar	17.21 56 eP	Pn	15 45 59.6 -3.0
HOSS1	Guadeloupe/Mar	17.21 57 P	Pn	15 46 06.6 +3.6
HOSS1	SNR=5.4		S	15 49 11.1 -3.9
TBG	Guadeloupe-3	17.35 51 eP	P	15 45 59.6 -4.5
ILAM	Ilet Lapin Mar	17.37 55 eP	Pn	15 46 07.0 +2.3
CBE	Ff, Capester	17.51 51 eP	Pn	15 46 08.5 +2.0
ETMB	Extrema	17.55 148 P	Pn	15 46 07.6 +0.7
ETMB	Extrema	17.55 148 P	Pn	15 46 06.7 +0.2
SMRT	St Maarten	17.57 61 P	P	15 46 08.0 -0.4
ANBD	Bethesda, Anti	17.99 48 eP	Pn	15 46 13.8 +1.6
HOSN1	Guadeloupe/Mar	18.08 51 P	P	15 46 11.8 -0.3
SAM1	Samuel	18.67 138 P	P	15 46 18.5 -0.1
SAM1	Samuel	18.67 138 eP	P	15 46 18.6 -0.1
SAM1	Samuel	18.67 138 P	P	15 46 18.5 -0.1
CAMR	Camarioca	18.68 343 P	Pn	15 46 19.9 -0.4
TEIG	Tapich	19.43 222 P	P	15 46 27.3 +0.5
CMIG	Ochoppi	21.24 347 P	P	15 46 47.6 +1.4
ITTE	Iaitutu	21.97 115 eP	P	15 46 22.9 +1.2
061Z	Matias Romero	22.32 304 P	P	15 50 49.1 +0.1
061Z	comp-Z,13nm,0.8s,baz=91,slow=0.6,SNR=9.8			
MALB	Monte Alegre	22.41 108 eP	P	15 46 57.7 -0.9
LPZA	La Paz	22.52 161 P	P	15 47 00.1 -0.2
LPZA	La Paz	22.52 161 P	P	15 47 00.8 +0.5
LPZA	comp-Z,14nm,0.5s,baz=336,slow=6.3,SNR=25			
LPZA	La Paz	22.52 161 eP	P	15 46 58.9 -1.4
MDP	Montagnes des	22.86 89 P	P	15 47 03.3 +0.2
MDP	comp-Z,36nm,0.6s,baz=278,slow=10,SNR=23		LR	15 56 40.6
MDP	comp-Z,2um,21.8s,baz=234,slow=38			
MDP	comp-Z,36nm,0.6s			
PB18	Visvir	23.77 165 P	P	15 47 08.1 -0.2
NPLB	Novo Progresso	23.54 121 eP	P	15 47 09.4 0.0
VILB	Vilheña	23.59 140 P	P	15 47 10.2 +0.4
VILB	Vilheña	23.59 140 eP	P	15 47 10.2 +0.4
MCPB	Macapa, AP	24.13 102 eP	I	15 47 13.4 -1.3
656A	Wilton	24.99 346 I	I	15 47 25.3
656A	comp-Z,212nm,0.9s			
PDRB	Porto dos Cois	25.08 132 eP	P	15 47 23.5 +0.2
CLDB	Colider	25.32 129 eP	P	15 47 25.6 +0.1
SIV	San Ignacio	25.44 146 LR	LR	15 58 17.3
SIV	comp-Z,613nm,20.0s			
TA01	Diego Lacerden	26.08 168 P	P	15 47 33.0 +0.8
PTL1	Pontes e Lacer	26.15 142 P	P	15 47 32.9 -0.1
PTL1	Pontes e Lacer	26.15 142 eP	P	15 47 32.6 -0.3
553A	Carfordville	26.28 343 I	I	15 47 40.7
553A	comp-Z,208nm,1.0s			
BBSD	Serra de S. Dns	26.66 147 eP	P	15 47 37.3 -0.3
TIGS	Tifton	27.23 345 P	P	15 47 43.8 +1.3
TIGS	baz=162			
PB07	IPOC Station P	27.27 168 I	I	15 48 13.2
PB07	comp-Z,174nm,2.0s			
352A	Blakely	27.64 343 I	I	15 47 49.1
352A	comp-Z,124nm,1.1s			
BRAL	Brewton	28.05 339 I	I	15 47 52.3
BRAL	Brewton	28.05 339 P	P	15 47 50.7 +0.9
BRAL	Brewton	28.05 339 P	P	15 47 50.7 +0.9
LVC	Limon Verde	28.34 167 P	P	15 47 53.4 +0.6
LVC	Limon Verde	28.34 167 LR	LR	16 01 41.8
LVC	comp-Z,308nm,19.5s			
LVC	Limon Verde	28.34 167 eP	P	15 47 53.1 +0.3
LVC	Limon Verde	28.34 167 P	P	15 47 53.4 +0.6
LVC	comp-Z,35nm,1.1s			
TMAB	Tom-Au,PA,Br	28.46 105 eP	P	15 47 55.9 +2.2
250A	Grady	28.52 341 I	I	15 47 56.7
250A	comp-Z,124nm,0.8s			
152A	Waverly Hall	28.69 344 I	I	15 47 57.7
152A	comp-Z,62nm,0.7s			
SALV	Santo Antonio	28.72 137 eP	P	15 47 55.8 -0.1
GOGA	Godfrey	29.08 346 P	P	15 48 00.5 +1.6
GOGA	baz=164,SNR=7.6			
Y57A	Sumter	29.09 352 I	I	15 48 01.8
Y57A	comp-Z,73nm,0.9s			
346A	Big Creek Wild	29.19 335 I	I	15 48 02.6
346A	comp-Z,161nm,1.1s			
X58A	Rowland	29.48 354 I	I	15 48 05.1
X58A	comp-Z,57nm,0.8s			
SNDB	Serra Nova Dou	29.54 125 eP	P	15 48 03.2 0.0
HODGE	Hodges	29.61 349 I	I	15 48 06.3
HODGE	comp-Z,61nm,0.8s			
BIRD	Birdtown, Kers	29.71 352 I	I	15 48 07.1
BIRD	comp-Z,86nm,1.0s			
LRAL	Lakeview Rete	29.73 340 P	P	15 48 07.2
LRAL	comp-Z,106nm,1.1s			
LRAL	Lakeview Rete	29.73 340 P	P	15 48 06.2 +1.6
LRAL	baz=157,SNR=27			
CNNC	Ciffs of the	30.04 356 P	P	15 48 08.9 +1.6
CNNC	baz=175			
146A	Union	30.12 337 I	I	15 48 10.0
146A	comp-Z,74nm,0.9s			
Y49A	Blount Mountai	30.30 342 I	I	15 48 12.0
Y49A	comp-Z,86nm,0.7s			
KMSC	Kings Mountain	30.33 351 P	P	15 48 11.4 +1.4
KMSC	baz=169,SNR=8.7			
VBMS	Vicksburg	30.35 334 I	I	15 48 12.2
VBMS	comp-Z,130nm,1.1s			
VBMS	Vicksburg	30.35 334 P	P	15 48 11.6 +1.4
VBMS	baz=150			
BG3	Lake Jocassee	30.48 348 I	I	15 48 14.5
BG3	comp-Z,136nm,1.1s			
X51A	Calhoun	30.52 345 I	I	15 48 14.1
X51A	comp-Z,96nm,1.4s			
V58A	Windy Hill, Pi	30.69 354 I	I	15 48 14.9
V58A	comp-Z,49nm,0.8s			
W52A	Murphy	30.80 347 I	I	15 48 17.0
W52A	comp-Z,92nm,1.0s			
X48A	Hartselle	31.05 341 I	I	15 48 18.4
X48A	comp-Z,74nm,0.8s			
V53A	Saluda	31.11 349 I	I	15 48 19.8
V53A	comp-Z,74nm,0.8s			
SMT	Santa Maria do	31.19 116 eP	P	15 48 18.8 +0.9
HKT	Hockley	31.22 325 P	P	15 48 17.7 0.0
HKT	Hockley	31.22 325 P	P	15 48 17.7 0.0
HKT	comp-Z,34nm,1.1s			
HKT	Hockley	31.22 325 P	P	15 48 17.9 +0.2
HKT	comp-Z,19nm,0.7s			
W50A	Signal Mountai	31.24 345 I	I	15 48 20.9
W50A	comp-Z,190nm,1.4s			
CPCT	Cooper Cave	31.28 346 I	I	15 48 20.6
CPCT	comp-Z,45nm,0.8s			
TKL	Tuckaleechee C	31.30 347 P	P	15 48 19.6 +1.1
TKL	comp-Z,19nm,0.7s,baz=158,slow=11,SNR=7.4		P	15 51 09.4 -0.6
TKL	comp-Z,6.8nm,0.8s,baz=348,slow=21,SNR=2.4		LR	16 03 33.7
TKL	comp-Z,199nm,18.5s,baz=171,slow=41			
ARAG	Araguaia, MT	31.35 132 eP	P	15 48 18.8 -0.4
U56A	King	31.38 353 I	I	15 48 22.4
U56A	comp-Z,122nm,1.1s			

V52A	Sevierville	31.44 347 I	I	15 48 22.4
V52A	comp-Z,87nm,0.9s			
BDOQ	Bodoquena, MS	31.45 145 eP	P	15 48 19.4 -0.5
BDOQ	comp-Z,100nm,1.1s			
PXAL	Pickwick Lake	31.87 340 I	I	15 48 25.5
PXAL	comp-Z,292nm,1.7s			
OXF	Oxford	31.92 338 I	I	15 48 25.8 -0.1
OXF	comp-Z,65nm,0.8s			
OXF	Oxford	31.92 338 P	P	15 48 23.1 -1.0
OXF	baz=153			
MURT	Porto Martinho	31.93 147 eP	P	15 48 23.1 -1.0
MURT	Nacogdoches	31.96 328 I	I	15 48 26.1
MURT	comp-Z,107nm,1.1s			
NATX	Nacogdoches	31.96 328 P	P	15 48 24.9 +0.6
NATX	baz=13			
AQDB	Aquidauana	32.09 143 eP	P	15 48 25.5 0.0
AQDB	comp-Z,11nm,0.8s			
TZTN	Tazewell	32.11 348 I	I	15 48 28.2
TZTN	comp-Z,70nm,1.0s			
TZTN	Tazewell	32.11 348 P	P	15 48 27.1 +1.6
TZTN	comp-Z,70nm,1.0s			
BLA	Blacksburg	32.23 353 I	I	15 48 29.8
BLA	comp-Z,109nm,0.9s			
BLA	Blacksburg	32.23 353 P	P	15 48 28.8 +2.1
BLA	baz=171			
833A	Chaparral WMA,	32.29 318 I	I	15 48 26.8 -0.4
833A	comp-Z,118nm,1.0s			
833A	Chaparral WMA,	32.29 318 P	P	15 48 28.0 -0.4
833A	baz=131,SNR=2.6s			
CLTN	Cedar of Lebanon	32.36 344 I	I	15 48 30.2
CLTN	comp-Z,212nm,1.2s			
U49A	Red Boiling Sp	32.60 345 I	I	15 48 32.1
U49A	comp-Z,56nm,0.8s			
SS7A	Dark Hollow, R	32.62 355 I	I	15 48 32.6
SS7A	comp-Z,62nm,1.1s			
R58B	Mineral	32.75 357 I	I	15 48 33.8
R58B	comp-Z,69nm,1.3s			
WLAR	White Oak Lake	32.75 332 I	I	15 48 33.0
WLAR	comp-Z,209nm,1.5s			
WVT	Waverly	32.84 342 P	P	15 48 32.4 +0.5
WVT	baz=157			
WVT	Waverly	32.84 342 P	P	15 48 32.2 +0.2
WVT	comp-Z,34nm,0.7s			
T50A	Nancy	32.85 346 I	I	15 48 34.6
T50A	comp-Z,171nm,1.6s			
435B	Jarrell	32.85 324 P	P	15 48 32.0 -0.1
435B	baz=137			
SS4A	Dingess, Beckl	32.93 352 I	I	15 48 35.8
SS4A	comp-Z,16nm,1.1s			
CBN	Corbin Frederi	32.96 357 P	P	15 48 34.5 +1.6
CBN	baz=177			
HNDO	Hondo	33.02 320 I	I	15 48 34.4
HNDO	comp-Z,12,290nm,0.9s			
R55A	Marlinton	33.26 353 I	I	15 48 38.9
R55A	comp-Z,104nm,0.8s			
Z38A	Mt. Pleasant	33.31 330 I	I	15 48 37.7
Z38A	comp-Z,104nm,0.8s			
UALR	University of	33.32 334 I	I	15 48 37.4
UALR	comp-Z,64nm,1.2s			
WHTX	Lake Whitney,	33.66 325 I	I	15 48 40.4
WHTX	comp-Z,72nm,0.9s			
WHTX	Lake Whitney,	33.66 325 P	P	15 48 39.4 +0.2
WHTX	baz=138,SNR=10			
MIAR	Mount Ida	33.68 333 P	P	15 48 38.6 -0.7
MIAR	baz=146,SNR=8.6			
FW13	Cleburne	33.91 326 I	I	15 48 42.5
FW13	comp-Z,59nm,0.8s			
R50A	Paris	33.94 348 I	I	15 48 44.2
R50A	comp-Z,96nm,1.0s			
LCAJ	Lake Charles	33.96 337 I	I	15 48 42.8
LCAJ	comp-Z,108nm,1.2s			
JCR	Junction City	33.99 321 P	P	15 48 41.9 -0.3
JCR	baz=133			
Q54A	Coxs Mills	34.03 353 I	I	15 48 45.2
Q54A	comp-Z,75nm,0.8s			
BRDY	Brady	34.06 323 I	I	15 48 43.2
BRDY	comp-Z,63nm,0.7s			
AC05	Ei Transito	34.16 172 I	I	15 48 42.0
AC05	comp-Z,40nm,0.8s			
BDFB	Brady	34.23 128 P	P	15 49 34.0 -0.4
BDFB	comp-Z,34nm,0.8s,baz=283,slow=10.0,SNR=40		LR	16 02 51.0
BDF				

23d 15h

Table with columns for call sign, name, frequency, mode, status, and power. Includes entries like ITQB Itaquí, ITAB Itaipu, DIAM Diamantina, MG I494 Point Hope, etc.

2018 APR

Table with columns for call sign, name, frequency, mode, status, and power. Includes entries like OGNB Ogallala, LDAO Lac Dan, VLDQ Val de Or, Q24A Divide, etc.

1478

Table with columns for call sign, name, frequency, mode, status, and power. Includes entries like ULM Lac du Bonnet, ULM Lac du Bonnet, ULM Lac du Bonnet, etc.



1479

Table with 4 columns: Call Sign, Name, Frequency, and other details. Includes call signs like F10C, K05A, E09A, YBH, YBHI, etc.

2018 APR

Table with 4 columns: Call Sign, Name, Frequency, and other details. Includes call signs like WTLY, ICESG, R33M, R33M, etc.

23d 15h

Table with 4 columns: Call Sign, Name, Frequency, and other details. Includes call signs like G30M, DAWY, BVCV, F30M, etc.

23d 15h

2018 APR

1480

Table with columns: ID, Name, Date, Time, Status, Location, etc. Includes entries like M23K Glacier View, PRP Porcupine Dome, F26K Sheenik River, etc.

Table with columns: ID, Name, Date, Time, Status, Location, etc. Includes entries like Q19K Cape Douglas, H22K Ishlailina Cre, CHUM Lak Minchumit, etc.

Table with columns: ID, Name, Date, Time, Status, Location, etc. Includes entries like A22K Sinclair Lake, CHGN Chignik, CHGN Chignik, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like C18K Utukok River, SALO Salir, A19K Winwright, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like HFS Hagfors, HFS comp=Z,3,0nm,1.1s, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like R15F Rauma, R15F Vyhne, R15F VYHS, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like KLMR, Sutherland, Obninsk, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like GTA, STKA, CTAO, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like EBEN2, AFON, Font Roja, etc.

Table of astronomical observations for objects in the 1483 region, including names like PVAQ, PBDV, PBDY, and various parameters.

Table of astronomical observations for objects in the 2018 APR region, including names like SQTA, RETA, MOTA, WT TA, and various parameters.

Table of astronomical observations for objects in the 23d 15h region, including names like KSH, SADO, ZAAO, ZALV, and various parameters.

23d 16h

Table with columns: WAKR Walker, GWY Greenwater Val, ISA Isabella, PETK Petropavlovsk, LPIG La Paz, NJ2 Nanjing, STKA Stephens Creek. Includes station names, coordinates, and times.

UPP 23 15:53:02.3-0.6, 62.30N:21.26E, h1km, ML1.5 HEL 23 15:53:00.8-0.1, 62.22N:21.59E, h0km, ML1.1, Explosion, Finland

Main table for 23d 16h with columns: Code, Station Name, Az, Phase ID, Time Res. Lists various stations like Kankaanpaa, Ylistaro, Rauma, etc.

NEIC 23 15:57:52.1-1.9, 20.70S:0.1-1.78, 5W:0.0-1, h578km, 6km, mb4.4/81, Error ellipse: s-maj=18.6km s-min=15.2km az=144.0

Main table for NEIC 23 15:57:52.1-1.9, 20.70S:0.1-1.78, 5W:0.0-1, h578km, 6km, mb4.4/81, Error ellipse: s-maj=18.6km s-min=15.2km az=144.0

2018 APR

Main table for 2018 APR with columns: ESJX Sierra Juarez, MAW Mawson, PNTR Pine Nut, DSP Deep Springs, BLYC Blythe, NV11 Minna Array, etc.

Main table for 2018 APR (continued) with columns: GLB Gilahina Butte, H17K Granite Mounta, PLDM Pearl Lake, etc.

1484

Main table for 1484 with columns: ARCES ARCESS Array B, MATO Matopo, NORSAR NORSAR Array B, LODK Lodwar, FABU Falkenberg, AKASA Akasa Array Be, etc.

MOS 23 16:00:48.3-0.9, 52.09N:170.92W, h10km, mb4.6/17, Error ellipse: s-maj=12.6km s-min=8.2km az=94.5

Main table for MOS 23 16:00:48.3-0.9, 52.09N:170.92W, h10km, mb4.6/17, Error ellipse: s-maj=12.6km s-min=8.2km az=94.5

P16K	baz=212 Nushagak River	10.18	41	P	Pn	16 03 15.3 -0.6	F17K	Baldwin Pennin baz=203	15.33	15	P	Pn	16 04 25.1 -0.8	PRP	Porcupine Dome baz=235,SNR=5.9	18.73	34	P	P	16 05 07.0 -1.5
N15K	Kwethluk River	10.20	32	P	Pn	16 03 19.7 +3.5	I20K	Naagdeneenee	15.42	27	P	Pn	16 04 26.9 -0.3	G24K	Hadweznic Riv comp=Z,19nm,0.8s	18.82	29	IAmb	IAmb	16 05 12.5
N15K	Kwethluk River baz=220,SNR=5.1	10.20	32	P	Pn	16 03 17.2 +1.0	CHUM	Lake Minchumin baz=227	15.42	32	P	Pn	16 04 27.4 +0.1	G24K	Hadweznic Riv baz=229	18.82	29	P	P	16 05 08.2 -1.2
M15K	Kasigliuk River baz=216	10.43	29	P	Pn	16 03 20.0 +0.8	KNK	Knik Glacier baz=242	15.46	43	P	Pn	16 04 27.9 +0.1	C21K	Knifeblade Rid baz=212,SNR=9.4	18.88	18	P	P	16 05 08.9 -1.1
L14K	Kuka Creek baz=223	10.44	22	P	Pn	16 03 20.0 +0.6	H19K	Roundabout Mou baz=252	15.48	23	P	Pn	16 04 28.4 +0.4	A19K	Wainwright baz=189	18.89	10	P	P	16 05 08.8 -1.2
O16K	Kokwok River B	10.50	38	Pn	Pn	16 03 23.9 +3.6	Q23K	Middleton Isla baz=252	15.66	52	P	Pn	16 04 30.3 +0.1	J26L	Joseph Creek comp=Z,1.9nm,0.7s	18.90	38	IAmb	IAmb	16 05 14.1
O16K	Kokwok River B baz=228,SNR=9.9	10.50	38	Pn	Pn	16 03 21.3 +1.0	SML	Sawmill baz=241	15.70	42	P	Pn	16 04 30.9 -0.1	J26L	Joseph Creek baz=241,SNR=9.0	18.90	38	P	P	16 05 09.0 -1.4
Q16K	King Salmon baz=235	10.53	45	P	Pn	16 03 21.7 +1.1	F18K	Selawik baz=206	15.74	17	P	Pn	16 04 30.8 -0.5	L27K	Beaver Creek, baz=247	18.97	43	P	P	16 05 11.2 0.0
K13K	Kusilvak Mount baz=201	10.57	16	P	Pn	16 03 21.7 +0.4	GLI	Glacier Island baz=256	15.82	46	P	Pn	16 04 32.8 +0.2	O28M	Mount Upton baz=239	18.99	50	P	P	16 05 11.5 -0.1
Q17K	Contact Creek baz=239	10.65	48	P	Pn	16 03 23.3 +0.8	E17K	Itoham Inlet baz=200	15.84	13	P	Pn	16 04 32.6 0.0	H25L	Birch Creek baz=233,SNR=5.2	19.07	32	P	P	16 05 12.0 -0.1
SII	Sitkinak Islan	10.79	58	P	Pn	16 03 25.1 +0.8	TRF	Thorofare Moun baz=200	15.84	35	P	Pn	16 04 32.4 -0.5	D22K	Aiyikay River baz=216	19.07	20	P	P	16 05 11.8 -0.3
SII	Sitkinak Islan	10.79	58	P	Pn	16 03 25.1 +0.8	H20K	Anolleneega Mo baz=218	15.85	25	P	Pn	16 04 32.5 -0.3	PETK	Petrovavlovsk- comp=Z,3.4nm,0.6s	19.09	286	P	P	16 05 12.2 -0.2
N16K	Nishik Lake baz=253	10.87	33	P	Pn	16 03 25.2 -0.2	G19K	Purcell Mouna baz=212	15.85	21	P	Pn	16 04 32.2 -0.6	YUK3	Moose Creek baz=252,SNR=8.3	19.14	47	P	P	16 05 13.0 -0.1
P17K	Kvichak River baz=234	10.92	43	P	Pn	16 03 25.4 -0.6	M23K	Glacier View baz=242	15.95	43	P	Pn	16 04 34.3 +0.1	PNL	Peninsula baz=260	19.15	54	P	P	16 05 13.3 +0.2
O17K	Koliganeek Bris	11.00	39	P	Pn	16 03 26.0 -1.1	BPAW	Beaver Paw Mtn. BPAW	16.01	33	Pn	IAmb	16 04 36.4 +1.5	BVCY	Beaver Creek baz=250	19.16	45	P	P	16 05 13.3 +0.2
L15K	Ungalak Mouna baz=211	11.02	24	P	Pn	16 03 26.5 -0.9	BPWW	Beaver Paw Mtn. comp=Z,14nm,0.8s	16.01	33	Pn	IAmb	16 04 39.4	E23K	Chatlar baz=220	19.16	25	P	P	16 05 12.8 -0.3
M16K	Timber Creek	11.21	31	Pn	Pn	16 03 34.8 +4.8	SCM	Sheep Creek Mo baz=242	16.14	43	P	Pn	16 04 36.3 -0.3	B20K	Meade River comp=Z,14nm,0.8s	19.22	14	IAmb	IAmb	16 05 16.5
M16K	Timber Creek	11.21	31	Pn	Pn	16 03 28.8 -1.3	WAT1	Susitna Watana baz=237	16.14	39	P	Pn	16 04 36.7 +0.1	B20K	Mesa River baz=206	19.22	14	P	P	16 05 13.4 -0.2
N17K	Nushagak Hills	11.47	36	Ph	Pn	16 03 36.9 +3.4	D17K	Noatak River	16.27	11	Pn	Pn	16 04 37.1 -1.0	F24K	Squaw Lake comp=Z,10nm,0.7s	19.25	27	IAmb	IAmb	16 05 18.0
N17K	Nushagak Hills	11.47	36	P	Pn	16 03 32.9 -0.6	F19K	Shlaruckik Mo	16.30	19	Pn	Pn	16 04 37.5 -1.0	F24K	Squaw Lake baz=229	19.25	27	P	P	16 05 14.1 +0.1
OHAK	Old Harbor	11.47	56	P	Pn	16 03 33.4 -0.2	EYAK	Sordova Ski Ar baz=249	16.31	48	P	Pn	16 04 38.4 -0.3	K27K	Chicken baz=244	19.27	40	P	P	16 05 14.7 +0.5
J14K	Nanvaranak Lak baz=203	11.53	17	P	Pn	16 03 33.3 -1.0	WAT8	Susitna Watana baz=237	16.33	40	P	Pn	16 04 38.9 -0.2	G25K	Bearman Lake baz=251,SNR=1.1	19.28	30	P	P	16 05 14.3 -0.1
K15K	Wolf Creek Mou baz=210	11.54	22	P	Pn	16 03 33.5 -1.0	E18K	Tukohlearik C baz=203	16.33	14	P	Pn	16 04 37.9 -1.1	B21K	Ikpikpuk River baz=211,SNR=9.2	19.31	17	P	P	16 05 13.8 -0.9
P18K	Big Mountain, baz=236,SNR=7.7	11.54	44	Ph	Pn	16 03 37.1 +2.5	I21K	Tanana baz=225,SNR=12	16.43	29	P	Pn	16 04 39.3 -0.9	YUK8	Steele Glacier baz=255	19.32	49	P	P	16 05 14.6 -0.6
P18K	Big Mountain, baz=236	11.54	44	Pn	Pn	16 03 34.1 -0.4	MCK	McKley baz=234	16.50	36	P	Pn	16 04 40.3 -0.8	I26K	Chick Min baz=239	19.45	36	P	P	16 05 15.7 -0.6
L16K	Owhat River baz=234	11.59	28	Ph	Pn	16 03 38.1 +2.9	H21K	Melozitna Rive baz=222	16.54	27	P	Pn	16 04 40.9 -0.7	BILL	Bilibino baz=239	19.58	334	P	P	16 05 16.3 -1.3
L16K	Owhat River baz=217,SNR=8.8	11.59	28	Ph	Pn	16 03 34.6 -0.6	KLU	Klutina baz=246	16.59	45	P	Pn	16 04 41.3 -1.1	BILL	Bilibino comp=Z,15nm,1.2s	19.58	334	ep	prmax	16 05 20.1 +2.5
O18K	Koktuh Hills	11.81	42	Ph	Pn	16 03 41.2 +3.0	C16K	Lisburne Hills baz=192	16.70	31	P	Pn	16 04 41.6 -0.9	D23K	Nanushok River baz=219	19.59	22	P	P	16 05 17.1 -0.6
O18K	Koktuh Hills	11.81	42	Pn	Pn	16 03 37.9 -0.4	MLY	Manley baz=257,SNR=7.5	16.70	31	P	Pn	16 04 42.6 -1.2	TOLK	Toolik Lake Re	19.60	23	P	P	16 05 17.7 -0.2
M17K	Holitna River	11.99	33	Pn	Pn	16 03 42.5 +1.8	DHY	Denali Highway baz=238	16.72	39	Ph	Pn	16 04 45.0 +0.9	TOLK	Toolik Lake Re baz=222,SNR=7.6	19.60	23	P	P	16 05 21.7
M17K	Holitna River	11.99	33	Pn	Pn	16 03 40.2 -0.5	DHY	Denali Highway baz=238	16.72	39	P	Pn	16 04 43.3 -0.9	O29M	Mount Kennedy baz=253	19.67	52	P	P	16 05 18.4 -0.5
Q19K	Cape Douglas, baz=241	12.00	48	P	Pn	16 03 40.8 0.0	KAIM	Kayak Island baz=253	16.74	51	P	Pn	16 04 43.2 -1.0	YUK4	Talbot Ar baz=256,SNR=8.5	19.67	49	P	P	16 05 21.2 +0.2
KD4K	Kodiak Island baz=248	12.03	54	Pn	Pn	16 03 39.5 -1.7	M24K	Tolsona, Glenn baz=243	16.75	43	P	Pn	16 04 43.3 -1.0	YUK6	Outpost Mouna baz=257,SNR=5.3	19.90	50	P	P	16 05 21.1 -0.4
KD4K	Kodiak Island baz=248	12.03	54	Ph	Pn	16 03 40.4 -0.8	F20K	Avartard Lake baz=213	16.91	21	P	Pn	16 04 44.9 -1.4	F25K	Christian River baz=230,SNR=17	19.94	29	P	P	16 05 21.6 -0.1
KD4K	Kodiak Island comp=Z,19nm,0.5s	12.03	54	ep	prmax	16 03 40.4 -0.8	E19K	Redstone River baz=210	16.95	18	P	Pn	16 04 45.2 -1.6	E24K	Eagle baz=232,SNR=5.7	19.95	38	I	I	16 05 21.7 0.0
N18K	Kilae Creek baz=229	12.05	38	P	Pn	16 03 41.9 +0.4	NEA2	Nenana baz=202	16.97	33	P	Pn	16 04 46.1 -1.0	E24K	Eagle baz=232,SNR=5.7	19.95	38	I	I	16 05 21.7 0.0
L17K	Donlin baz=219	12.27	29	P	Pn	16 03 44.4 -0.1	BMRM	Bremner River baz=249	16.99	48	P	Pn	16 04 47.1 -0.3	EGAK	Eagle comp=Z,12nm,0.6s	19.95	38	P	P	16 05 22.1 +0.4
Q20K	Shuyak Island baz=245	12.45	50	P	Pn	16 03 47.3 +0.4	G21K	Allakaket baz=219	17.00	24	P	Pn	16 04 46.8 -0.7	P29M	Windy Craggy baz=252,SNR=5.4	19.98	54	P	P	16 05 22.4 +0.3
P19K	Oil Pt baz=239	12.54	45	P	Pn	16 03 48.8 +0.6	C17K	Delong Mounai baz=237	17.00	10	P	Pn	16 04 46.2 -1.3	G26K	Porcupine Rive baz=235,SNR=5.9	20.13	31	P	P	16 05 23.0 -0.6
M19K	Stony River baz=227,SNR=5.2	12.61	35	P	Pn	16 03 48.8 -0.3	H22K	Ishaitalna Cre baz=224,SNR=5.0	17.11	28	P	Pn	16 04 48.4 -0.4	B22K	Teshekpuk Lake baz=212	20.14	17	P	P	16 05 23.0 -0.7
J16K	Arvik River baz=210	12.61	22	P	Pn	16 03 49.3 +0.2	I23K	Minto, Yukon-K baz=222	17.22	32	P	Pn	16 04 52.1 +1.9	I27K	Kandik River baz=241,SNR=8.3	20.16	36	P	P	16 05 24.1 +0.1
N19K	Bonanza Creek	12.67	39	Pn	Pn	16 03 53.5 +3.5	I23K	Minto, Yukon-K baz=222	17.22	32	P	Pn	16 04 50.1 -0.1	BMAR	Burnt Mountain Happy Valley baz=222	20.16	30	P	P	16 05 24.5 +0.5
N19K	Bonanza Creek	12.67	39	Pn	Pn	16 03 50.5 +0.5	N25K	Chitina, Valde baz=247	17.22	46	P	Pn	16 04 49.8 -0.5	D24K	Happy Valley baz=222	20.17	23	P	P	16 05 23.7 -0.3
K17K	Iditarod baz=232	12.73	27	Pn	Pn	16 03 53.5 +2.8	WRH	Wood River Hill baz=244	17.23	34	Ph	Pn	16 04 50.5 +0.1	M29M	Somme Creek comp=Z,10nm,0.7s	20.23	46	IAmb	IAmb	16 05 31.1
K17K	Iditarod baz=217	12.73	27	Pn	Pn	16 03 51.1 +0.4	HARP	Harding Lake baz=244	17.30	43	Ph	Pn	16 04 50.9 -0.4	M29M	Somme Creek comp=Z,10nm,0.7s	20.23	46	I	I	16 05 31.1
L18K	Granite Mouna baz=222	12.83	31	P	Pn	16 03 55.6 +3.4	BGLC	Bering Glacier baz=254	17.34	51	P	Pn	16 04 51.6 -0.1	M29M	Somme Creek comp=Z,10nm,0.7s	20.23	46	P	P	16 05 25.0 +0.1
L18K	Granite Mouna baz=222	12.83	31	P	Pn	16 03 52.2 0.0	C18K	Utukok River comp=Z,200	17.40	12	P	Pn	16 04 51.7 -0.8	C23K	Iktilik River comp=Z,4nm,1.2s	20.28	20	I	I	16 05 31.1
O20K	Slope Mountain baz=239	13.03	44	P	Pn	16 03 55.6 +0.7	PAX	Paxson baz=240	17.43	41	P	Pn	16 04 52.4 -0.5	C23K	Iktilik River baz=218	20.28	20	P	P	16 05 25.1 -0.2
J17K	VABM Dome baz=244	13.08	24	Pn	Pn	16 03 58.2 +2.8	MDM	Murphy Dome COLA	17.48	33	Ph	Pn	16 04 53.2 -0.2	HYT	Haines Junctio COLA	20.29	51	P	P	16 05 27.3 +1.7
J17K	VABM Dome baz=213	13.08	24	Pn	Pn	16 03 55.9 +0.4	COLA	College comp=Z,3.0nm,0.9s	17.55	34	ep	prmax	16 04 54.0 -0.3	HYT	Haines Junctio COLA	20.29	51	P	P	16 05 25.8 +0.2
I17K	Unalakleet baz=208	13.12	20	P	Pn	16 03 55.9 -0.1	F21K	Alatina River baz=217	17.56	23	P	Pn	16 04 53.6 -0.9	E25K	Arctic Village comp=Z,14nm,1.2s	20.30	27	P	P	16 06 02.7
M																				

23d 16h

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 Spread, Elevation Spread, Azimuth Trend, Elevation Trend, Azimuth Stability, Elevation Stability, Azimuth Consistency, Elevation Consistency, Azimuth Reliability, Elevation Reliability, Azimuth Accuracy Index, Elevation Accuracy Index, Azimuth Precision Index, Elevation Precision Index, Azimuth Bias Index, Elevation Bias Index, Azimuth Drift Index, Elevation Drift Index, Azimuth Spread Index, Elevation Spread Index, Azimuth Trend Index, Elevation Trend Index, Azimuth Stability Index, Elevation Stability Index, Azimuth Consistency Index, Elevation Consistency Index, Azimuth Reliability Index, Elevation Reliability Index, Azimuth Accuracy Index, Elevation Accuracy Index, Azimuth Precision Index, Elevation Precision Index, Azimuth Bias Index, Elevation Bias Index, Azimuth Drift Index, Elevation Drift Index, Azimuth Spread Index, Elevation Spread Index, Azimuth Trend Index, Elevation Trend Index, Azimuth Stability Index, Elevation Stability Index, Azimuth Consistency Index, Elevation Consistency Index, Azimuth Reliability Index, Elevation Reliability Index.

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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 Spread, Elevation Spread, Azimuth Trend, Elevation Trend, Azimuth Stability, Elevation Stability, Azimuth Consistency, Elevation Consistency, Azimuth Reliability, Elevation Reliability, Azimuth Accuracy Index, Elevation Accuracy Index, Azimuth Precision Index, Elevation Precision Index, Azimuth Bias Index, Elevation Bias Index, Azimuth Drift Index, Elevation Drift Index, Azimuth Spread Index, Elevation Spread Index, Azimuth Trend Index, Elevation Trend Index, Azimuth Stability Index, Elevation Stability Index, Azimuth Consistency Index, Elevation Consistency Index, Azimuth Reliability Index, Elevation Reliability Index.

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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 Spread, Elevation Spread, Azimuth Trend, Elevation Trend, Azimuth Stability, Elevation Stability, Azimuth Consistency, Elevation Consistency, Azimuth Reliability, Elevation Reliability, Azimuth Accuracy Index, Elevation Accuracy Index, Azimuth Precision Index, Elevation Precision Index, Azimuth Bias Index, Elevation Bias Index, Azimuth Drift Index, Elevation Drift Index, Azimuth Spread Index, Elevation Spread Index, Azimuth Trend Index, Elevation Trend Index, Azimuth Stability Index, Elevation Stability Index, Azimuth Consistency Index, Elevation Consistency Index, Azimuth Reliability Index, Elevation Reliability Index.





Table with columns: Code, Station Name, Az, Az', Op, Phase, ISC, Time, Res, h, m, s, ISC. Includes stations like LSZ Lusaka, CHIPN CHIPINGE, MATP Matopo, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ISC, Time, Res, h, m, s, ISC. Includes stations like APC Apacha, PETK Petropavlovsk, PAU Puzoshetka, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ISC, Time, Res, h, m, s, ISC. Includes stations like EBGR Bougara, CART Cartagena, EMUR La Murta, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ISC, Time, Res, h, m, s, ISC. Includes stations like GTOI Gorontalo, LUWI Luwuk, KMSI Cibinong, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ISC, Time, Res, h, m, s, ISC. Includes stations like CRAAG 23 16:35:24.3, MDD 23 16:35:27.9, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ISC, Time, Res, h, m, s, ISC. Includes stations like E0S4 E0S4, E0S4 E0S4, E0S3 E0S3, etc.

TWD	baz=275	S	Sb	16 50 44.1	0.0	FULB	Fuli	baz=219	1.28 235	P	Pn	16 50 41.7	+0.2	WSF	Szhu	baz=255	2.04 262	P	Pn	16 50 53.1	+1.0			
EWUT	Wuta	baz=305	P	Pb	16 50 33.2	-0.8	FULB	Fuli	baz=219		S	Sn	16 50 58.0	+0.2	WSF	Szhu	baz=258		eS	Sb	16 51 19.9	-0.7		
EWUT		baz=305	P	Pb	16 50 43.9	-0.3	CHKT	Chengkung	baz=226	1.29 230	eP	Pn	16 50 41.4	-0.2	TSMG	Majia	baz=224	2.05 233	eP	Pb	16 50 55.7	0.0		
ENA	Nanau	baz=303	iP	Pb	16 50 33.8	-0.5	CHKT		baz=226		eS	Sn	16 50 55.7	-2.4	TSMG		baz=224		eS	Sb	16 51 21.0	+0.2		
ENA		baz=303	S	Sn	16 50 45.4	-0.5	NHHD	Xindian Distri	baz=318	1.31 321	eP	Pb	16 50 43.5	+0.5	LAY	Lan-yu	baz=202	2.06 203	eP	Pn	16 50 52.2	-0.1		
NACB	Ninganchiao	baz=266	P	Pb	16 50 34.3	0.0	NHHD		baz=318		eS	Sb	16 50 58.8	-0.7	LAY		baz=202		eP	Sn	16 51 14.8	-2.4		
NACB		baz=266	S	Sn	16 50 45.4	-0.6	TNOU	Naitai Taiwa	baz=332	1.34 334	eP	Pb	16 50 42.6	-1.0	SCST	Osahan	baz=225	2.06 240	eP	Pb	16 50 56.0	0.0		
SHUL	Shoufeng	baz=254	S	Pn	16 50 34.3	-0.2	TNOU		baz=332		eS	Sb	16 51 00.2	-0.3	SCST		baz=225		eS	Sb	16 51 21.0	+0.7		
SHUL		baz=254	S	Sn	16 50 46.0	-0.2	SSLB	Suanglung	baz=280	1.36 264	eP	Pn	16 50 42.8	+0.1	LYUB	Lan-yu	baz=201	2.08 202	eP	Pn	16 50 52.8	+0.3		
ESAO	Su ao	baz=316	P	Pb	16 50 34.3	-0.6	SSLB		baz=280		eS	Sn	16 50 59.5	-0.5	TAW	Tawu	baz=230	2.12 222	eP	Pn	16 50 54.0	1.0		
ESAO		baz=316	S	Sb	16 50 44.5	-1.0	EHD	Haiduan	baz=220	1.37 235	eP	Pn	16 50 42.1	-0.7	TAW		baz=230		eS	Sn	16 51 19.0	+0.5		
TWC	Suao	baz=318	iS	Sb	16 50 34.5	-0.7	EHD		baz=220		eS	Sn	16 50 59.6	-0.6	MASBT	Mashibuluo	baz=223	2.12 232	eP	Pb	16 50 56.3	-0.6		
TWC		baz=318	iS	Sb	16 50 45.6	-0.6	NFF	Wufeng Townshi	baz=296	1.38 300	eP	Pb	16 50 44.6	+0.3	MASBT		baz=223		eS	Sb	16 51 22.3	-0.4		
ETM	Tongmen	baz=257	P	Pb	16 50 34.6	-0.8	NFF		baz=296		eS	Sb	16 51 00.9	-0.7	CHN8	Yiju	baz=250	2.12 254	S	Sb	16 51 21.6	-1.1		
ETM		baz=257	iS	Sb	16 50 46.5	+0.1	WCS	Beigang Elemen	baz=271	1.39 275	eP	Pn	16 50 43.4	+0.3	SHHT	Tainan City	baz=241	2.12 245	eP	Pb	16 50 57.1	+0.2		
ETHL	Kiulin Townshi	baz=270	0.91 287	P	Pb	16 50 35.6	-0.7	ECS	Chishang	baz=219	1.39 233	eP	Pn	16 50 43.3	+0.2	SHHT		baz=241		eS	Sb	16 51 23.6	+0.8	
ETHL		baz=270	S	Sb	16 50 48.0	+0.1	ECS		baz=219		eS	Sn	16 51 01.1	+0.3	EAST	Anshuo	baz=221	2.13 223	eP	Pn	16 50 54.7	+1.5		
ESL	Shilin	baz=248	0.92 262	P	Pb	16 50 35.1	-1.3	WHP	Taichung City	baz=288	1.40 284	eP	Pb	16 50 46.2	+1.6	EAST		baz=221		eS	Sn	16 51 18.6	-0.2	
ESL		baz=248	S	Sb	16 50 47.8	-0.5	WHP		baz=288		eS	Sb	16 51 03.3	+1.2	TSCK	Chigu Township	baz=247	2.29 250	eP	Pn	16 50 55.4	0.0		
LXIB	Kiulin Townshi	baz=270	0.93 275	P	Pb	16 50 36.0	-0.8	SMLT	Sun Moon Lake	baz=254	1.40 268	eP	Pn	16 50 43.3	0.0	TSCK		baz=247		eS	Sn	16 51 25.1	+2.3	
LXIB		baz=270	S	Sn	16 50 50.3	+0.8	SMLT		baz=254		eS	Sn	16 51 01.2	+0.1	HEN	Hengchun	baz=217	2.48 219	eS	Sn	16 51 27.9	+0.4		
NDS	Dongshan	baz=313	0.95 317	P	Pn	16 50 36.7	-0.3	EDH	Donghe	baz=255	1.41 227	eP	Pn	16 50 40.7	-2.6	TWKB	Hengchun	baz=215	2.49 217	iP	Pn	16 50 59.1	+1.0	
NDS		baz=313	S	Sb	16 50 48.7	-0.4	TYC	Yuch	baz=265	1.44 269	eP	Pn	16 50 44.2	+0.5	TWKB		baz=215		eS	Sn	16 51 28.0	+0.3		
EGFH	Guangfu	baz=249	0.96 254	P	Pb	16 50 36.7	-0.4	TYC		baz=265		eS	Sn	16 51 02.1	+0.3	TWK1	Hengchun	baz=215	2.49 217	P	Pn	16 50 58.8	+0.6	
EGFH		baz=249	S	Sb	16 50 49.7	+0.4	WHYT	Xinyi Township	baz=245	1.46 261	eP	Pn	16 50 44.9	+0.8	TWK1		baz=215		eS	Sn	16 51 27.9	+0.2		
WARBT	Fenglin Townsh	baz=242	0.98 257	P	Pb	16 50 36.2	-1.3	WHYT		baz=245		eS	Sn	16 51 02.8	+0.3	WDGT	Dungji	baz=252	2.63 256	iP	Pn	16 51 01.0	+1.0	
WARBT		baz=242	S	Sb	16 50 49.9	-0.1	LIQB	Emei	baz=295	1.47 299	eP	Pb	16 50 45.8	0.0	WDGT		baz=252		eS	Sn	16 51 31.5	+0.3		
LATG	Datong	baz=302	1.01 306	iP	Pb	16 50 37.8	-0.3	LIQB		baz=295		eS	Sb	16 51 04.6	+0.6	PHUB	Peng-hu	baz=257	2.65 261	iP	Pn	16 51 01.4	+1.0	
LATG		baz=302	S	Sn	16 50 52.8	+1.3	NSTT	Nanjuang	baz=294	1.47 298	eP	Pb	16 50 45.4	-0.4	PHUB		baz=257		eS	Sn	16 51 32.5	+0.7		
HGSD	Ruisui	baz=240	1.02 244	eP	Sb	16 50 37.9	-0.3	NSTT		baz=294		eS	Sn	16 51 02.9	+0.2	PNG	Penghu	baz=259	2.66 263	eP	Pn	16 51 01.2	+0.8	
HGSD		baz=240	eS	Sb	16 50 51.3	+0.1	JKRS	Kuro-shima	baz=254	1.47 78	eP	Pb	16 50 46.3	+0.4	PNG		baz=259		eS	Sn	16 51 32.8	+0.8		
TWE	Neicheng	baz=315	1.04 318	P	Pn	16 50 38.3	+0.1	JKRS		baz=254		Sb	16 51 04.8	+0.6	VCHM	Qimei	baz=252	2.85 256	eP	Pn	16 51 04.4	+1.3		
TWE		baz=315	S	Sn	16 50 52.1	+0.1	ANP	Anpu	baz=324	1.49 326	P	Sn	16 50 44.9	+0.4	VCHM		baz=252		eS	Sn	16 51 37.3	+0.7		
ENTT	Nioudou	baz=293	1.05 312	iP	Pn	16 50 38.4	0.0	ANP		baz=324		eS	Sn	16 51 03.0	-0.2	VWUC	VWUC	baz=288	2.91 292	eP	Pn	16 51 03.6	-0.3	
ENTT		baz=293	S	Sn	16 50 52.8	+0.6	ELDTW	W Lidu	baz=237	1.50 240	eP	Pn	16 50 44.1	-0.5	VWUC		baz=288		eS	Sn	16 51 36.8	-1.3		
NDT	Datong Townshi	baz=304	1.06 308	P	Pn	16 50 39.0	+0.5	ELDTW		baz=237		eS	Sn	16 51 02.2	-1.2	PTMZ	Hougangcun	baz=287	3.21 291	eP	Pn	16 51 07.7	-0.3	
NDT		baz=304	S	Sn	16 50 52.5	-0.1	ALS	Alisan	baz=250	1.55 254	eP	Pn	16 50 46.0	+0.6	PTMZ		baz=287		eS	Sn	16 51 44.5	-1.0		
NNSB	Datong	baz=293	1.07 297	P	Pb	16 50 38.6	-0.5	ALS		baz=250		S	Sn	16 51 05.8	+0.8	KNMB	Chin-men Tao	baz=274	3.73 279	eP	Pn	16 51 15.6	+0.4	
NNSB		baz=293	iS	Sn	16 50 52.8	-0.1	TWQ1	Liyutan	baz=281	1.57 285	eP	Sb	16 50 47.4	0.0	KNMB		baz=274		eS	Sn	16 51 58.4	+0.1		
WHF	Hehuan Shan	baz=263	1.08 281	eP	Pn	16 50 39.4	+0.2	LONT	Longtian	baz=218	1.58 229	eP	Pn	16 50 45.8	+0.2			baz=274						
WHF		baz=263	eS	Sb	16 50 51.5	-1.9	LONT		baz=218		eS	Sn	16 51 05.0	-0.3	<p>IDC 23 17:08:41.9-1.9,2:08S-145°95E,h0km,mb3.7/4, mbTMP3.7/4,MS3.8/4, Error ellipse: s-maj=89.3km s-min=27.6km az=108.0,Admiral's Islands region</p>									
NNS	Nan Shan	baz=293	1.08 297	iP	Pn	16 50 38.7	-0.2	WNT	Mingjian	baz=264	1.60 268	iP	Pb	16 50 47.4	-0.6	Code	Station Name	Δ° AZ°	Phase ID	Time	Res	ISC	h m s	ISC
NNS		baz=293	S	Sn	16 50 53.8	+0.6	WNT		baz=264		eS	Sb	16 51 08.4	+0.7	HNR	Honiar	15.72 118	LR	LR	17 12 21				
EHYH	Wanrong	baz=242	1.09 246	eP	Pb	16 50 40.2	+0.9	TCU	Taichung	baz=273	1.62 278	eS	Sb	16 51 10.3	+2.0	WRA	Warrungu Arr	21.07 212	P	P	17 13 28.6	+0.7		
EHYH		baz=242	iS	Sb	16 50 53.3	+0.2	JJJ	Ishigaki jima	baz=295	1.62 75	eP	Pn	16 50 46.3	+0.1	ASAR	Alice Springs	24.43 208	P	P	17 14 01.9	-0.5			
ECBN	Changbin	baz=232	1.09 235	P	Pn	16 50 38.7	-0.2	JJJ		baz=295		Sn	16 51 06.2	-0.1	DZM	Mont Dzumac	28.15 136	LR	LR	17 22 34.8				
ECBN		baz=232	eS	Sb	16 50 52.1	-1.1	TWGBT	Beinan	baz=238	1.67 228	eP	Pn	16 50 47.0	+0.2	H1S3	WAKE ISLAND Hy	28.89 44	T	T	17 44 26.3				
EHY	Hungye	baz=243	1.10 247	eP	Pn	16 50 38.2	-0.9	TWGBT		baz=238		eS	Sn	16 51 06.9	-0.7	H1S2	WAKE ISLAND Hy	28.90 44	T	T	17 44 27.3			
EHY		baz=243	eS	Sb	16 50 53.2	-0.3	TWGT	Pinlang	baz=238	1.67 228	P	Pn	16 50 47.8	+0.2	H1S1	WAKE ISLAND Hy	28.91 44	T	T	17 44 28.0				
FUSB	Fushanzhiwuyua	baz=313	1.12 317	P	Pb	16 50 39.4	-0.5	TYH	Taoyuan	baz=230	1.70 243	iP	Pn	16 50 48.1	+0.9	H11N3	WAKE ISLAND Hy	29.88 43	T	T	17 45 39.7			
FUSB		baz=313	S	Sn	16 50 55.1	+1.0	TYH		baz=230		eS	Sn	16 51 09.4	+1.2	H11N2	WAKE ISLAND Hy	29.88 43	T	T	17 45 43.3				
FUSS	Fushou	baz=281	1.12 286	eP	Pn	16 50 39.4	-0.2	WCHH	Zhanghua	baz=271	1.72 275	eP	Sb	16 50 47.8	+0.2	H11N1	WAKE ISLAND Hy	29.88 43	T	T	17 45 43.2			
FUSS		baz=281	eS	Sn	16 50 54.5	+0.1	WCHH		baz=271		eS	Sb	16 51 12.5	+1.3	H1N3	WAKE ISLAND Hy	29.88 43	T	T	17 45 43.2				
TWB1	Santiao Chiao	baz=355	1.14 339	eP	Pb	16 50 40.5	+0.4	WGK	Gukung	baz=258	1.73 262	eP	Pb	16 50 49.7	-0.5	Mkar	Makanchi Array	73.83 320	P	P	17 20 18.3	-0.1		
TWB1		baz=355	eS	Sn	16 50 56.1	+1.8	WGK		baz=258		eS	Sb	16 51 14.2	+2.7	ILAR	Eielsen Array	82.32 23	P	P	17 21 05.5	+0.3			
OWD	Renai	baz=267	1.15 271	eP	Pn	16 50 38.9	-0.9	WCKO	Fanlu	baz=250	1.75 254	P	Pb	16 50 49.5	-1.0	ILAR		82.32 23	LR	LR	17 49 51.0			
OWD		baz=267	eS	Sb	16 50 53.8	-1.2	WCKO		baz=250		eS	Sb	16 51 11.3	-0.7	YBH	Yreka Blue Hor	92.37 48	LR	LR	17 57 37.6				
CHGB	Renai	baz=259	1.15 276	eP	Pn	16 50 39.7	-0.3	WDLH	Douliu	baz=258	1.75 262	P	Pb	16 50 49.6	-0.9	<p>IDC 23 17:10:28.9-0.5,24°12'N:122°51'E,h0km,mb4.4/28, mbTMP4.4/28,ML3.7/4,MS4.0/45, Error ellipse: s-maj=15.0km s-min=13.5km az=61.0</p>								
CHGB		baz=259	eS	Sb	16 50 55.0	-0.2	WDLH		baz=258		eS	Sb	16 51 12.7	+0.6	<p>BJI 23 17:10:30.6-0.0,24°04'N:122°44'E,h13km,mb4.5/6/4, mb4.6/30,ML4.3/10,Ms4.4/56,Ms7.4/35/4 NEIC 23 17:10:30.6-1.7,23°98'N:0°05'122°47'E:0°03,h10km,1km, mb4.9/89, Error ellipse: s-maj=8.2km s-min=5.0km az=191.0</p>									
TIPB	Shuangxi	baz=330	1.16 332	eP	Pn	16 50 40.7	+0.1	TPUB	Ta-pu	baz=246	1.77 249	S	Pb	16 50 50.7	-0.2	<p>TAP 23 17:10</p>								



Table with multiple columns: Station name (e.g., WSSB Gushan, SMST Manzhuo Townsh), Frequency (e.g., 2.38 238), Band (e.g., eP), Direction (e.g., Pb), Time (e.g., 17 11 13.7), and other parameters (e.g., -1.8).

Table with multiple columns: Station name (e.g., DL2, DL2, DL2), Frequency (e.g., comp=N,40nm,1.6s), Band (e.g., S pmax), Direction (e.g., Sn pmax), Time (e.g., 17 16 49.4), and other parameters (e.g., +2.5).

Table with multiple columns: Station name (e.g., TOL2 Tolitoli, GTOI Gorontalo), Frequency (e.g., comp=Z,96nm,1.8,1s), Band (e.g., P), Direction (e.g., P), Time (e.g., 17 15 31.2), and other parameters (e.g., -1.8).

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BTLS	Baital	44.34 311 eP	P	17 18 41.0 +0.4
WRAB	Tennant Creek	45.12 164 P	I Amb	17 18 45.3 -1.7
WRAB	Warramunga Arr	45.12 164 P	I Amb	17 18 47.3 +0.2
WRA	Warramunga Arr	45.12 164 P	I Amb	17 18 47.3 +0.2
WRA	Warramunga Arr	45.12 164 P	I Amb	17 18 47.3 +0.2
WB2	Warramunga Arr	45.13 164 I Amb	I Amb	17 18 49.2
WR0	Warramunga Arr	45.19 164 I Amb	I Amb	17 18 49.3
DRK	Karamyk	45.20 303 I Amb	I Amb	17 18 51.0
DZA	Taraz	45.91 307 eP	P	17 18 54.1 +0.8
BTK	Batken	46.00 303 I Amb	I Amb	17 18 56.4
BRZ5	Berezni	46.40 317 eP	P	17 18 56.8 -0.1
KK31	Karatay Arr	46.53 307 I Amb	I Amb	17 19 00.3
KKAR	Karatay Arr	46.53 307 I Amb	I Amb	17 19 00.3
BRLS	Borloyday	47.02 307 eP	P	17 19 02.9 +1.0
KBL	Kabul	47.30 296 P	P	17 19 02.8 -1.7
TIXI	Tiksi	47.88 3 P	I Amb	17 19 05.7 -2.4
TIXI	Tiksi	47.88 3 LR	LR	17 19 05.7 -2.4
TIXI	Tiksi	47.88 3 LR	LR	17 19 05.7 -2.4
BVAR	Borovyoye Arr	48.59 321 P	P	17 19 13.8 -0.1
BVAR	Borovyoye Arr	48.59 321 P	P	17 19 13.8 -0.1
BVAR	Borovyoye Arr	48.59 321 P	P	17 19 13.8 -0.1
BVAR	Borovyoye Arr	48.59 321 P	P	17 19 13.8 -0.1
ASAR	Alice Springs	48.61 166 P	P	17 19 15.0 +0.7
ASAR	Alice Springs	48.61 166 P	P	17 19 15.9 +1.6
BRVK	Borovyoye	48.66 321 P	I Amb	17 19 13.6 -0.9
BRVK	Borovyoye	48.66 321 P	I Amb	17 19 13.6 -0.9
HNR	Honiara	49.42 128 LR	LR	17 38 35.0
NRIK	Northesk	49.95 345 P	P	17 19 22.6 -1.3
NRIK	Northesk	49.95 345 P	P	17 19 22.9 -1.1
NRIK	Northesk	49.95 345 P	P	17 19 22.9 -1.1
NRIK	Northesk	49.95 345 P	P	17 19 22.9 -1.1
ABKAR	Abkubal array	54.44 314 P	I Amb	17 19 57.3 -0.4
ABKAR	Abkubal array	54.44 314 I Amb	I Amb	17 19 58.8
AKTO	Aktubinsk	55.75 316 LR	LR	17 46 34.2
GEYT	Alibek	55.91 301 P	P	17 20 09.2 +0.6
GEYT	Alibek	55.91 301 P	P	17 20 09.5 +0.9
GEYT	Alibek	55.91 301 P	P	17 20 09.5 +0.9
GEYT	Alibek	55.91 301 P	P	17 20 09.5 +0.9
GYA0B	ALIBECK ARRAY	55.91 301 I Amb	I Amb	17 20 11.6
ARU	Arti	56.00 323 P	I Amb	17 20 07.7 -1.1
ARU	Arti	56.00 323 P	I Amb	17 20 09.9
ARU	Arti	56.00 323 LR	LR	17 45 49.5
ARU	Arti	56.00 323 P	I Amb	17 20 08.1 -0.7
STKA	Stevens Creek	58.44 161 P	P	17 20 27.9 +1.6
KIRV	Kirov	61.08 325 LR	LR	17 49 15.2
DZM	Mont Dzumac	62.63 133 LR	LR	17 43 30.9
B21K	Ikpiqik River	65.32 22 I Amb	I Amb	17 21 16.9
B22K	Teshepkuk Lake	65.72 22 I Amb	I Amb	17 21 15.7
GNI	Garni	65.89 305 P	I Amb	17 21 16.8 +0.3
GNI	Garni	65.89 305 P	I Amb	17 21 25.2
GNI	Garni	65.89 305 LR	LR	17 54 09.0
E22K	Anaktuvik Pass	66.46 24 P	I Amb	17 21 19.2 -0.3
E22K	Anaktuvik Pass	66.46 24 I Amb	I Amb	17 21 50.7
KBZ	Khabaz	66.53 309 P	P	17 21 20.5 +0.2
KBZ	Khabaz	66.53 309 LR	LR	17 55 46.9
KIV	Kislovodsk	66.64 309 P	P	17 21 21.8 +0.7
KIV	Kislovodsk	66.64 309 P	P	17 21 21.6 +0.5
KIV	Kislovodsk	66.64 309 P	P	17 21 22.0 +0.8
NEA2	Nevana	68.02 28 I Amb	I Amb	17 23 56.0
D25K	Kavir River	68.26 22 I Amb	I Amb	17 22 00.3
ILAR	Eielson Array	68.91 27 P	P	17 21 33.4 -1.6
RAYN	Ar Rayn	69.52 287 P	I Amb	17 21 40.0 +0.5
RAYN	Ar Rayn	69.52 287 P	I Amb	17 21 41.7
SPITS	Spitsbergen Ar	69.97 348 P	I Amb	17 21 40.1 -1.2
SPITS	Spitsbergen Ar	69.97 348 LR	LR	17 56 42.9
ARCES	ARCCESS Array B	70.20 338 P	P	17 21 42.2 -0.7
ARCES	ARCCESS Array B	70.20 338 LR	LR	17 57 42.8
F28M	Old Crow	70.99 24 P	I Amb	17 21 47.4 -0.4
F28M	Old Crow	70.99 24 I Amb	I Amb	17 21 55.3
FINES	FINESS Array B	72.44 330 P	P	17 21 54.5 -0.9
FINES	FINESS Array B	72.44 330 LR	LR	17 57 07.4
INK	Inuvik	73.03 22 P	P	17 21 59.0 -0.8
INK	Inuvik	73.03 22 LR	LR	17 57 11.6
F31M	Tsigheitchic	73.27 23 I Amb	I Amb	17 23 09.8
AKASG	Malin Array Be	73.82 319 P	P	17 22 03.7 -1.1
AKASG	Malin Array Be	73.82 319 LR	LR	17 57 42.1
AKB5	Malin Array S	73.82 319 P	P	17 22 04.4 -0.5
KIEV	Kiev	73.83 317 P	P	17 22 04.5 -0.5
KIEV	Kiev	73.83 319 P	P	17 22 04.1 -0.8
BRI31	Keskin Array S	74.24 307 I Amb	I Amb	17 22 09.9
BTRR	Keskin Array B	74.24 307 P	P	17 22 07.5 -0.3
BTRR	Keskin Array B	74.24 307 P	P	17 22 08.2 +0.4
BTRR	Keskin Array B	74.24 307 P	P	17 58 07.6
BRI04	Keskin Array S	74.25 307 P	P	17 22 08.5 +0.7
BRI05	Keskin Array S	74.26 307 P	P	17 22 08.2 +0.3
ANTO	Ankara	74.81 307 P	P	17 22 11.7 +0.7
ANTO	Ankara	74.81 307 P	P	17 22 10.7 -0.3
LUBAR	Lubar, Ukraine	74.98 318 P	P	17 22 10.9 -0.6
MMAI	Mount Meron Ar	75.02 300 P	P	17 22 12.9 +0.6
MMAI	Mount Meron Ar	75.02 300 LR	LR	18 01 14.0
RNP9P	Sopachiv	75.57 320 P	P	17 22 15.0 0.0
RNP9P	Varash	75.62 320 P	P	17 22 15.3 0.0
KMPD	K-Podolskiy	76.22 317 P	P	17 22 18.1 -0.6

CFR	Carcaliu	76.31 313 P	P	17 22 19.1 -0.3
DAG	Danmarks Havn	76.79 351 eP	P	17 22 20.6 -0.9
VRI	Vrincioia	77.00 314 I Amb	I Amb	17 22 24.2 +1.0
PLOR	Plostina	77.06 314 I Amb	I Amb	17 22 26.2 +2.5
ISOR	Isparta	77.17 306 I Amb	I Amb	17 22 25.8
BURAR	Bucovina Array	77.34 317 P	P	17 22 25.2 0.0
BURAR	Bucovina Array	77.34 317 P	P	17 22 24.3 -0.9
TURR	Turia	77.39 315 I Amb	I Amb	17 22 26.5 +1.1
MLR	Muntele Rosu	77.65 314 LR	LR	17 22 28.1 +1.0
MLR	Muntele Rosu	77.65 314 LR	LR	17 58 56.7
HFS	Hagfors	78.34 331 P	P	17 22 29.4 -1.1
HFS	Hagfors	78.34 331 LR	LR	18 00 28.6
RES	Resolute Bay	78.72 9 P	P	17 22 30.9 -1.3
NC405	NORSAR Array S	78.73 332 P	P	17 22 32.1 -0.5
NB2	NORSAR Subarra	78.98 332 P	P	17 22 33.2 -0.8
NOA	NORSAR Array B	79.96 332 P	P	17 22 32.8 -1.2
NOA	NORSAR Array B	79.96 332 LR	LR	18 01 02.4
MARR	Marsden Cluj	79.02 316 I Amb	I Amb	17 22 35.2 +0.6
JMJC	Jan Mayen	79.36 345 LR	LR	18 01 47.5
SURR	Surduc	80.02 316 I Amb	I Amb	17 22 40.2 +0.3
HERR	Herculane	80.19 315 I Amb	I Amb	17 22 41.2 +0.4
LANS	Liptovska Anna	80.25 320 eP	P	17 22 42.9 +1.8
URZ	Urewhera	80.34 139 LR	LR	17 55 17.1
MDVR	Moldovita	80.68 315 I Amb	I Amb	17 22 43.6 0.0
VIYS	Vynne	80.91 319 eP	P	17 22 45.5 +0.9
BOVS	Bovslov	81.16 314 I Amb	I Amb	17 22 46.0 -0.1
VRAC	Vranov	81.87 321 I Amb	I Amb	17 22 51.3 +1.6
VRAC	Vranov	81.87 321 LR	LR	18 02 41.1
YKA	Yellowknife Ar	82.75 23 P	P	17 22 53.3 -0.8
YKA	Yellowknife Ar	82.75 23 LR	LR	17 59 28.8
SUMG	Summit	82.87 354 P	P	17 22 53.6 -1.4
SUMG	Summit	82.87 354 I Amb	I Amb	17 22 55.6
SUMG	Summit	82.87 354 I P	P	17 22 54.0 -1.0
CLL	Collin	82.94 323 eP	P	17 22 55.0 -0.2
CLL	Collin	82.94 323 eP	P	17 26 09.0 +3.5
GEC2	GERRSS Array S	83.76 321 I Amb	I Amb	17 23 09.9
GERES	GERRSS Array B	83.76 321 P	P	17 22 59.2 -0.5
GERES	GERRSS Array B	83.76 321 P	P	17 23 00.3 +0.6
GERES	GERRSS Array B	83.76 321 LR	LR	18 04 28.4
PERS	Pernice	84.00 319 I P	P	17 23 09.9 +0.1
VISS	Vissje	84.56 318 I P	P	17 23 03.9 +0.1
GBRS	Gornja Briga	84.71 318 I P	P	17 23 04.8 +0.3
FUORN	Fuorn-Fuorn	86.89 320 I Amb	I Amb	17 23 16.8
FDMO	Fjordmote	87.02 316 I Amb	I Amb	17 23 17.8
NOVA	Davos/Dognan	87.03 321 LR	LR	18 06 04.3
DRAX	Daxiv	87.10 316 I Amb	I Amb	17 23 18.7
BORG	Borghans	87.26 345 LR	LR	18 06 48.3
EKA	Eskdalemuir Ar	88.47 332 P	P	17 23 21.9 -0.7
LON	Longren	88.88 38 I Amb	I Amb	17 24 20.4
D08A	Wollman Farm	90.32 37 I Amb	I Amb	17 23 33.5
NEW	Newport	90.55 35 P	I Amb	17 23 32.3 -0.3
NEW	Newport	90.55 35 I Amb	I Amb	17 23 35.0
FRB	Frobisher Bay	92.19 5 LR	LR	18 09 14.9
J08A	Circle Bar Ran	92.78 40 I Amb	I Amb	17 23 45.9
FFC	Flin Flin	92.90 24 P	P	17 23 42.7 -0.6
PPT	Papeete	95.18 107 LR	LR	17 56 39.9
PPT2	Papeete2	95.19 107 eLR	LR	17 54 35.6
PPT2	Papeete2	95.19 107 eLR	LR	17 54 38.0
NVAR	Mina Array Bea	95.83 44 P	P	17 23 57.9 +0.6
NVAR	Mina Array Bea	95.83 44 P	P	17 58 37.1
ULM	Lac du Bonnet	98.72 24 LR	LR	18 13 53.0
ESDC	Sonaca Array	99.36 321 LR	LR	18 14 22.2

NHAM	Northam, North	1.52 358 eP	Pn	17 23 37.8 +1.3
NHAM	Northam, North	1.52 358 eS	Pn	17 23 58.4 +1.5
NHAM	Northam, North	1.52 358 I AMBL	I Amb	17 24 01.4
RUST	Rust De Winter	1.58 41 P	Pb	17 23 08.7 +0.1
RUST	Rust De Winter	1.58 41 eS	Sg	17 23 59.8 -0.7
RUST	Rust De Winter	1.58 41 I AMBL	I Amb	17 24 00.9
SNKL	Senekal, Frees	1.86 169 I eP	Pn	17 23 43.1 -0.3
SNKL	Senekal, Frees	1.86 169 eS	Sb	17 24 07.3 +0.7
SNKL	Senekal, Frees	1.86 169 I AMBL	I Amb	17 24 07.7
SWZ	Schweizer	1.98 248 I eP	Pn	17 23 44.1 +1.4
SWZ	Schweizer	1.98 248 eS	Pn	17 24 10.2 +2.8
SWZ	Schweizer	1.98 248 I AMBL	I Amb	17 24 12.0
LBTB	Lobatse	2.15 311 I P	Pn	17 23 46.9 +1.8
LBTB	Lobatse	2.15 311 I S	Sn	17 24 14.0 +2.3
LBTB	Lobatse	2.15 311 I P	Pn	17 23 47.5 +2.4
LBTB	Lobatse	2.15 311 I P	Sn	17 24 14.2 +2.8
LBTB	Lobatse	2.15 311 I AMBL	I Amb	17 24 17.4
LBTB	Lobatse	2.15 311 I P	Pn	17 23 46.9 +1.8
LBTB	Lobatse	2.15 311 I S	Sn	17 24 14.0 +2.3
LBTB	Lobatse	2.15 311 I P	Pn	17 23 47.5 +2.4
LBTB	Lobatse	2.15 311 I P	Sn	17 24 14.2 +2.8
LBTB	Lobatse	2.15 311 I AMBL	I Amb	17 24 17.4
CRLN	Carolina, Mapu	2.41 80 eP	Pn	17 23 49.6 +0.8
CRLN	Carolina, Mapu	2.41 80 eS	Pn	17 24 19.4 +1.2
CRLN	Carolina, Mapu	2.41 80 I AMBL	I Amb	17 24 28.7
NWCL	Newcastle	2.58 12 I eP	Pn	17 23 51.7 +0.7
NWCL	Newcastle	2.58 12 eS	Pn	17 24 23.2 +0.9
NWCL	Newcastle	2.58 12 I AMBL	I Amb	17 24 30.5
LEPH	Lephalela, Lim	2.60 8 eP	Pn	17 23 53.6 +2.3
LEPH	Lephalela, Lim	2.60 8 eS	Sn	17 24 24.9 +2.1
LEPH	Lephalela, Lim	2.60 8 I AMBL	I Amb	17 24 32.2
WTBG	Waterberg Wild	2.60 32 I eP	Pn	17 23 53.6 +2.2
WTBG	Waterberg Wild	2.60 32 eS	Pn	17 24 25.1 +2.2
WTBG	Waterberg Wild	2.60 32 I AMBL	I Amb	17 24 31.9
BOSA	Boshof	2.87 221 I P	Pn	17 23 56.3 +1.2
BOSA	Boshof	2.87 221 I S	Sn	17 24 31.1 +1.6
BOSA	Boshof	2.87 221 I P	Pn	17 23 55.8 +0.7
BOSA	Boshof	2.87 221 I S	Sn	17 24 32.1 +1.7
BOSA	Boshof	2.87 221 I AMBL	I Amb	17 24 38.0
BOSA	Boshof	2.87 221 P	Pn	17 23 55.8 +0.7
BOSA	Boshof	2.87 221 Pn	Pn	17 24 00.4 -0.3
BOSA	Boshof	2.87 221 Pg	Pg	17 24 00.4 -0.3
BOSA	Boshof	2.87 221 Pn	Pn	17 24 00.4 -0.3
BOSA	Boshof	2.87 221 P	Pn	17 24 00.4 -0.3
BOSA	Boshof	2.87 221 Pn	Pn	17 23 56.3 +1.2
BOSA	Boshof	2.87 221 I S	Sn	17 24 31.1 +1.6
PILG	Pilgrimsrest,	3.35 64 I eP	Pn	17 24 03.8 +2.0
PILG	Pilgrimsrest,	3.35 64 I eS	Sn	17 24 44.1 +2.5
PILG	Pilgrimsrest,	3.35 64 I AMBL	I Amb	17 24 57.7
SKOMA	Sekoma	3.66 301 I eP	Pn	17 24 08.0 +2.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NELSON Mandela, CHIPINGE, Sutherland, Merwille, etc.

OTT 23 17:27:53.2±0.3, 47.58N:92.60W, h0km, MN2.6/6, Blast, Minnesota, U.S. 128km southeast from Fort Frances, On Mining explosion.

IDC 23 17:27:54.3±0.4, 47.55N:92.72W, h0km, mbmp2.6/3, MLO.5/1, Error ellipse: s-maj=4.1km s-min=18.1km az=79.0

ISC 23 17:27:50.3±1.3, 47.53N:0.08±2.61W±0.04, h0km, n18, n106/19, Minnesota

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Ely, Atikokan Iron, Experimental L, Thunder Bay, etc.

IDC 23 17:34:40.8±1.5, 38.15N:21.66E, h0km, mb3.7/5, mbmp3.6/6, ML2.5/1, Error ellipse: s-maj=52.2km s-min=26.5km az=138.0

ATH 23 17:34:43.4, 38.07N:21.64E, h18km, ML3.2/18, Manual Solution by D.Mekas This location: 2020/05/29 15:45:04 ML Amplitudes are expressed in micrometers. All distances are expressed in degrees Latitude uncertainty: 0 km; Longitude uncertainty: 0 km

THE 23 17:34:44.3, 38.07N:21.65E, h20km±1km, ML3.4/18, Error ellipse: s-maj=1.1km s-min=0.6km az=173.0

ISC 23 17:34:43.6±0.8, 38.08N:0.02±2.65E±0.02, h18km±2km, n72, c0563/17, mb3.6/5, Greece

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Drossia, Riolos of Patr, University Cam, Lakka, Kalavryta, Ach, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Lithakia, DLFA Delphi, KRI1 KERI, THAL Thaleiro, etc.

ISC 23 17:40:05.0±5.1, 12.98S:167.06E, h0km, mb3.8/4, mbmp3.8/4, Error ellipse: s-maj=132.4km s-min=52.4km az=115.0

NEIC 23 17:40:07.3±0.4, 13.6S:0.1±167.32E±0.10, h10km±2km, mb4.5/7, Error ellipse: s-maj=24.2km s-min=14.1km az=336.0

ISC 23 17:40:04.8±2.2, 13.5S:0.2±167.4E±0.3, h10km, n18, n136/16, mb4.2/6, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LIFNC LIFOU, KOUNC Koumac, New Ca, etc.

IDC 23 18:01:21.0±0.6, 13.00N:92.23E, h0km, mb4.2/23, mbmp4.2/25, ML4.3/2, MS3.7/34, Error ellipse: s-maj=17.8km s-min=14.7km az=69.0

NDI 23 18:01:26.3, 12.96N:92.19E, h34km, mb4.9, ML4.5, mb4.9(NEIC)

NEIC 23 18:01:26.5±1.8, 13.18N:0.05±92.35E±0.07, h27km±4km, mb4.9/83, Error ellipse: s-maj=10.2km s-min=7.5km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MORW Morawa, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like az=109.0, DJA 23 18:01:27.4±0.6, 13°N:3°9'E, h35km±7km, M5.5/19, etc.

23d 18h

GT A	GT A		pP	sP	18 07 18.4	-1.3
GT A	comp=Z,4.0nm,1.4s		pmax	pmax		
TGY	Tagaytay City	27.88 84	LR	LR	18 17 10.6	
LYN	comp=Z,9nm,19.7s,baz=266,slow=84					
LYN	LuoYang	28.17 37	eP	pmax	18 07 17.3	+1.8
H0S3	Diego Garcia H	28.43 225	T	T	18 36 59.8	
H0S2	Diego Garcia H	28.44 225	T	T	18 37 05.7	
H0S1	Diego Garcia H	28.45 225	T	T	18 37 14.8	
KSH	Kashi	30.04 334	P	P	18 07 32.1	-0.1
KSH	Kashi		pP	sP	18 07 44.8	-1.5
KSH	Kashi		pmax	pmax		
MPSI	Mapaga	30.15 113	P	P	18 07 34.2	+0.9
NJ2	Nanjing	30.85 48	eP	pP	18 07 39.8	+0.5
NJ2	Nanjing		pP	sP	18 07 47.6	-1.5
NJ2	Nanjing		pmax	pmax	18 07 52.4	-0.7
NJ2	comp=Z,7.0nm,0.6s					
SRBI	Singaraja	30.98 131	P	P	18 07 42.4	+1.8
BTO	Batken	31.57 26	eP	pP	18 07 43.8	-1.8
BTO	Batken		pP	sP	18 07 55.8	+0.3
BTO	Batken		S	pmax	18 12 49.8	-2.3
BTO	comp=Z,16nm,0.7s					
BTO	comp=Z,250nm,6.4s					
BTO	comp=Z,180nm,10.2s					
TTSI	Tana Toraja	31.68 118	P	P	18 07 48.8	+2.1
HHC	Hu-ho-hao-te	32.45 28	eP	P	18 07 56.0	+2.6
HHC	Hu-ho-hao-te		pmax	pmax		
HHC	comp=Z,21nm,0.7s					
HHC	comp=Z,49nm,3.7s					
HHC	comp=Z,180nm,13.7s					
HHC	comp=Z,130nm,13.6s					
HHC	comp=Z,110nm,13.5s					
BTK	Batken	32.87 329	P	P	18 07 58.1	+1.1
AAK	Ala-Archa	32.27 336	P	P	18 08 01.2	+0.7
AAK	Ala-Archa	32.27 336	LR	LR	18 23 00.6	
LWUI	Luwuk	33.33 113	P	P	18 08 01.6	+0.3
LWUI	Luwuk	33.33 113	P	P	18 08 02.9	+0.7
LWUI	comp=Z,56nm,1.0s,comp=Z,529nm					
WSAR	Wadi Sarin	34.46 292	LR	LR	18 21 26.9	
WSAR	Wadi Sarin	34.46 292	LR	LR	18 21 26.9	
MK31	Makanchi Array	34.68 348	P	I Amb	18 08 12.7	+0.1
MK31	Makanchi Array	34.68 348	P	I Amb	18 08 27.4	
MKAR	Makanchi Array	34.68 348	P	P	18 08 12.8	+0.2
MKAR	Makanchi Array	34.68 348	P	P	18 08 13.9	+1.3
MKAR	Makanchi Array	34.68 348	P	P	18 10 45.6	-0.5
MKAR	comp=Z,1.3nm,0.8s,baz=134,slow=4.2,SNR=3.8					
MKAR	comp=Z,118nm,19.1s,baz=172,slow=41					
MAKZ	Makanchi	34.76 348	P	P	18 08 13.3	0.0
KK31	Karatay Array	35.36 332	P	P	18 08 19.1	+0.6
KKAR	Karatay Array	35.36 332	P	P	18 08 18.6	+0.1
SOM1	Songino Array	36.63 16	P	P	18 08 29.9	+0.4
SOM1	Songino Array	36.63 16	P	P	18 08 30.0	+0.4
SOM1	comp=Z,2.4nm,0.6s,baz=206,slow=7.3,SNR=18					
SOM1	comp=Z,0.7nm,0.8s,baz=184,slow=4.3,SNR=2.9					
SOM1	comp=Z,2.4nm,0.6s					
SOM1	comp=Z,2.9nm,20.8s,baz=178,slow=41					
SOM1	comp=Z,2.4nm,0.6s					
TNTI	Ternate	36.84 107	P	P	18 08 30.0	-1.6
TNTI	Ternate	36.84 107	P	P	18 08 32.6	+1.1
TNTI	comp=Z,20nm,0.6s					
KURBB	Kurchatov Arra	39.12 346	P	P	18 08 50.9	+0.6
KURBB	Kurchatov Arra	39.12 346	P	P	18 10 59.5	0.0
KURBB	comp=Z,1.5nm,0.7s,baz=152,slow=2.9,SNR=5.6					
KURBB	comp=Z,1.32nm,19.3s,baz=171,slow=40					
KURBB	comp=Z,1.0nm,0.7s					
KURK	Kurchatov	39.18 346	P	I Amb	18 08 51.5	+0.7
KURK	Kurchatov	39.18 346	P	I Amb	18 09 05.6	
GEYT	Alibeck	39.20 313	P	P	18 08 51.7	+0.5
GEYT	Alibeck	39.20 313	P	I Amb	18 09 07.3	
GEYT	comp=Z,13nm,0.8s					
GEYT	Alibeck	39.20 313	P	P	18 08 51.6	+0.5
GEYT	comp=Z,4.2nm,0.7s,baz=141,slow=9.6,SNR=9.8					
GEYT	comp=Z,7.6nm,20.8s,baz=164,slow=38					
GEYT	comp=Z,4.2nm,0.7s					
GYA0B	ALIBECK ARRAY	39.20 313	P	P	18 08 51.5	+0.3
GYA0B	Alibeck	39.20 313	P	I Amb	18 09 07.3	
KSR5	Korea Array	40.00 46	P	P	18 08 58.0	+0.2
KSR5	Korea Array	40.00 46	P	P	18 08 58.0	+0.2
KSR5	comp=Z,1.2nm,0.7s					
KSR5	comp=Z,1.6nm,0.6s,baz=242,slow=8.9,SNR=7.9					
KSR5	comp=Z,1.2nm,0.7s					
JNU	Nakatsu	40.44 54	LR	LR	18 28 00.3	
JNU	Nakatsu	40.44 54	LR	LR	18 28 00.3	
ZAA0	Zalesovo Array	41.23 353	P	P	18 09 08.2	+0.5
ZALV	Zalesovo Beam	41.23 353	P	P	18 09 07.8	+0.1
ZALV	Zalesovo Beam	41.23 353	P	P	18 09 08.0	+0.3
ZALV	comp=Z,1.4nm,0.4s,baz=180,slow=8.1,SNR=10.0					
ZALV	comp=Z,7.0nm,21.3s,baz=170,slow=39					
ZALV	comp=Z,1.4nm,0.4s					
BVAR	Borovy Array	43.53 341	P	P	18 09 27.1	+0.0
BVAR	Borovy Array	43.53 341	P	P	18 09 27.1	+0.0
BVAR	comp=Z,0.3nm,0.5s,baz=149,slow=8.6,SNR=3.7					
BVAR	comp=Z,0.3nm,0.5s					
BRVK	Borovy	43.60 341	P	P	18 09 28.1	+1.1
BNX	BinXian	44.09 35	pP	pmax	18 09 30.1	-1.0
BNX	BinXian	44.09 35	pP	pmax	18 09 30.1	-1.0
BNX	comp=Z,5.0nm,0.4s					
BNX	comp=Z,110nm,4.4s					
ABKAR	Akbukul array	44.85 330	P	I Amb	18 09 38.1	+1.0
ABKAR	Akbukul array	44.85 330	P	I Amb	18 09 52.5	
ABKAR	comp=Z,12nm,1.0s					
ABKAR	Akbukul array	44.85 330	P	P	18 09 37.7	+0.6
FITZ	Fitzroy Crossi	45.18 132	P	P	18 09 39.6	-0.5
USRK	Ussuriysk Ar.	45.98 40	LR	LR	18 31 57.6	
MJLR	Matsushiro Arr	47.25 52	LR	LR	18 32 34.6	
MJLR	Matsushiro Arr	47.25 52	LR	LR	18 32 34.6	
GNi	Garni	49.58 312	P	P	18 10 14.4	0.0
ARU	Arti	50.45 336	LR	P	18 33 34.3	
ARU	Arti	50.45 336	LR	P	18 33 34.3	
ARU	comp=Z,141nm,21.0s,baz=151,slow=38					
ARU	Arti	50.45 336	pP	pP	18 10 34.2	+3.9
GURO	Guroymak-BITLI	51.11 309	P	P	18 10 28.3	+2.4
ONI	Oni	51.31 315	P	P	18 10 28.2	+1.0
KIV	Kislodovsk	52.31 316	pP	pP	18 10 35.8	+1.1
KIV	Kislodovsk	52.31 316	pP	pP	18 10 49.9	+5.2
WRA	Warramunga Arr	52.80 128	P	P	18 10 38.9	+0.3
WRA	Warramunga Arr	52.80 128	P	P	18 10 38.4	-0.2
WRA	Warramunga Arr	52.80 128	P	P	18 10 38.9	+0.3
WRAB	Tennant Creek	52.80 128	P	I Amb	18 10 38.2	-0.4
WRAB	Tennant Creek	52.80 128	P	I Amb	18 10 44.5	
WRAB	comp=Z,19nm,0.8s					
WRAB	Tennant Creek	52.80 128	P	P	18 10 38.2	-0.4
WB2	Warramunga Arr	52.81 128	P	P	18 10 38.2	-0.4
WB2	Warramunga Arr	52.81 128	P	P	18 10 41.8	
WB2	comp=Z,23nm,0.9s					
WB2	Warramunga Arr	52.81 128	P	P	18 10 38.2	-0.4
ASAJ	Asahikawa	52.86 44	LR	LR	18 35 58.9	
ASAJ	Asahikawa	52.86 44	LR	LR	18 35 58.9	

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WRO	Warramunga Arr	52.97 128	P	P	18 10 38.9	-0.8
WRO	Warramunga Arr	52.97 128	P	P	18 10 38.9	-0.8
GAZ	Gaziantep	54.50 306	I Amb	I Amb	18 10 57.0	-0.2
GAZ	comp=Z,11nm,0.8s					
AS31	Alice Springs	54.66 132	P	I Amb	18 10 52.0	-0.2
AS31	Alice Springs	54.66 132	P	I Amb	18 11 14.0	
ASAR	Alice Springs	54.66 132	P	P	18 10 52.4	+0.2
ASAR	comp=Z,3.0nm,0.4s,baz=311,slow=7.1,SNR=110					
ASAR	comp=Z,8.4nm,18.0s,baz=318,slow=37					
MMAI	Mout Meron Arr	55.31 301	LR	LR	18 38 00.1	
MMAI	Mout Meron Arr	55.31 301	LR	LR	18 38 00.1	
YAK	Yakutsk	56.76 20	P	P	18 10 59.1	-0.2
NR1K	Noril'sk	56.33 358	P	P	18 11 03.8	+0.3
NR1K	Noril'sk	56.33 358	P	P	18 11 03.3	-0.1
NR1K	comp=Z,2.1nm,0.5s,baz=146,slow=5.8,SNR=5.7					
NR1K	comp=Z,1.1nm,0.5s					
BR104	Keşkin Array S	57.72 309	P	P	18 11 14.6	+0.6
BR104	Keşkin Array S	57.72 309	pP	sP	18 11 27.5	-0.9
BR104	comp=Z,1.1nm,0.8s,comp=Z,76nm					
BR131	Keşkin Array S	57.73 309	P	I Amb	18 11 13.1	-1.0
BR131	Keşkin Array S	57.73 309	P	I Amb	18 11 28.3	
BR131	comp=Z,10nm,0.8s					
BRTR	Keşkin Array B	57.73 309	P	P	18 11 13.0	-1.0
BRTR	Keşkin Array B	57.73 309	P	P	18 11 14.0	0.0
BRTR	comp=Z,1.4nm,0.8s,baz=121,slow=7.1,SNR=13					
BRTR	comp=Z,4.3nm,18.1s,baz=183,slow=39					
BRTR	comp=Z,1.4nm,0.8s					
BR105	Keşkin Array S	57.74 309	P	P	18 11 14.9	+0.8
BR105	Keşkin Array S	57.74 309	pP	sP	18 11 27.4	-1.1
BR105	comp=Z,1.2nm,0.8s,comp=Z,83nm					
ISP	Isparta	59.85 306	P	I Amb	18 11 28.0	-0.8
ISP	Isparta	59.85 306	P	I Amb	18 11 43.0	
ISP	comp=Z,12nm,1.1s					
ELL	Elmalı	60.22 305	P	P	18 11 31.4	+0.1
KARP	Karpathos	62.34 303	P	P	18 11 45.8	+0.2
MBAR	Mbarara	62.48 262	I Amb	I Amb	18 11 49.3	+2.3
MBAR	Mbarara	62.48 262	I Amb	I Amb	18 11 50.2	
MBAR	comp=Z,14nm,1.6s					
MBAR	Mbarara	62.48 262	LR	LR	18 38 55.3	
MBAR	comp=Z,6.7nm,18.0s,baz=98,slow=36					
TIXI	Tiksi	62.58 12	I Amb	I Amb	18 11 45.4	-1.0
TIXI	Tiksi	62.58 12	I Amb	I Amb	18 11 59.5	
TIXI	comp=Z,6.6nm,0.8s					
AK10	Main Array Si	62.96 320	P	P	18 11 49.3	-0.1
AK10	Main Array Si	62.96 320	P	P	18 11 55.8	+0.8
AK10	comp=Z,6.6nm,0.8s					
AKB6	Main Array Si	63.00 320	I Amb	I Amb	18 12 03.9	
AKB6	Main Array Si	63.00 320	I Amb	I Amb	18 12 03.9	
AKB6	comp=Z,6.6nm,0.9s					
KIEV	Kiev	63.01 320	P	P	18 11 50.8	+1.0
KIEV	Kiev	63.01 320	P	P	18 11 50.9	+1.2
KIEV	comp=Z,4.0nm,0.6s					
TESR	Teşecani	63.90 316	pP	pP	18 11 55.0	-0.7
MLR	Muntele Rosu	64.24 314	P	P	18 11 58.2	+0.1
STKA	Stevens Creek	65.00 135	P	P	18 12 03.4	+0.4
STKA	Stevens Creek	65.00 135	P	P	18 12 03.4	+0.4
STKA	comp=Z,1.9nm,0.5s,baz=330,slow=7.9,SNR=7.0					
STKA	comp=Z,1.9nm,0.5s					
BURAR	Bucovina Array	65.03 317	I Amb	I Amb	18 12 03.8	+0.6
BURAR	Bucovina Array	65.03 317	I Amb	I Amb	18 12 19.1	
BURAR	comp=Z,10nm,0.8s					
BUR08	Bucovina Ar. S	65.04 317	I Amb	I Amb	18 12 03.0	-0.3
BUR08	Bucovina Ar. S	65.04 317	I Amb	I Amb	18 12 19.4	
BUR08	comp=Z,10nm,1.1s					
SEY	Seymchan	65.07 26	LR	LR	18 42 06.5	
SEY	Seymchan	65.07 26	LR	LR	18 42 06.5	
SEY	comp=Z,8.9nm,19.3s,baz=318,slow=38					
JOF	Joensuu	65.42 334	eP	P	18 12 05.4	+0.1
JOWP	Jowaki Paola	66.95 319	P	P	18 12 16.3	+1.0
FABE	Fabrizio	67.08 316	P	P	18 12 17.9	+1.9
SUW	Suwalki	67.28 323	eP	P	18 12 19.1	+1.8
FINES	FIN					



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EOS2		S	Sn	18 06 03.1 +1.5	
JYNG	Yonagunijimaku	0.39 115	i P	Pn	18 05 51.0 +0.3
JYNG			eS	Pn	18 06 02.1 -0.1
EOSS		0.40 213	i/P	Pn	18 05 51.5 +0.9
EOS3			S	Sn	18 06 03.6 +1.6
YOJ	Yonaguni jima	0.44 111	P	Pn	18 05 51.4 +0.2
YOJ			eS	Pn	18 06 01.9 -0.5
YOJ	Yonaguni jima	0.44 111	i/P	Pn	18 05 51.3 +0.2
YOJ			i S	Sn	18 06 01.4 -1.3
EOS4	EOS4	0.54 204	P	Pn	18 05 51.6 +0.3
EOS4	EOS4		P	Sn	18 06 04.1 +0.8
TWC	Suao	0.64 269	i/P	Pn	18 05 52.4 -0.1
TWC			S	Sn	18 06 04.5 -1.0
TWB1	Santliao Chiao	0.64 307	i/P	Pn	18 05 52.7 +0.1
TWB1			eS	Sn	18 06 04.6 -0.8
ESAO	Su ao	0.65 266	P	Pn	18 05 52.6 0.0
ESAO			S	Sn	18 06 04.9 -0.6
EWUT	Wuta	0.73 256	P	Pn	18 05 53.5 +0.2
EWUT			eS	Sn	18 06 06.8 +0.1
ILA	Ilan	0.75 281	P	Pn	18 05 53.9 +0.4
ILA			S	Sn	18 06 07.0 0.0
TIPB	Shuangxi	0.75 298	i/P	Pn	18 05 53.8 +0.2
TIPB			S	Sn	18 06 06.4 -0.8
NDS	Dongshan	0.77 271	eP	Pn	18 05 54.0 +0.3
NDS			S	Sn	18 06 07.1 -0.2
ENAS	Nanau	0.77 256	P	Pn	18 05 53.9 +0.2
ENAS			S	Sn	18 06 07.5 +0.1
ENAS			S	Sn	18 06 07.5 +0.1
EGFH	Guangfu	1.40 228	P	Pn	18 06 00.5 -0.2
EGFH			eS	Sn	18 06 18.4 -1.3
LIOB	Emei	1.40 271	i P	Pn	18 06 01.3 +0.7
LIOB			S	Sn	18 06 20.0 +0.2
NSTT	Nanjuang	1.42 271	P	Pn	18 06 01.3 +0.5
NSTT			S	Sn	18 06 19.9 -0.1
OWD	Renai	1.42 242	P	Pn	18 06 01.5 +0.4
OWD			S	Sn	18 06 19.7 -0.7
SBCB	Hsinchu	1.44 277	P	Pn	18 06 01.8 +0.7
SBCB			S	Sn	18 06 21.0 +0.5
HSN	Hsinchu	1.45 277	P	Pn	18 06 01.5 +0.3
HSN			S	Sn	18 06 20.8 -0.1
WUSB	Renai	1.45 245	i P	Pn	18 06 02.0 +0.6
WUSB			S	Sn	18 06 20.8 -0.3
JJ	Ishigaki jima	1.47 100	P	Pn	18 06 01.8 +0.3
JJ			S	Sn	18 06 20.4 -0.7
WHP	Taichung City	1.51 257	eP	Pn	18 06 04.2 +2.3
WHP			eS	Sn	18 06 23.8 +1.7
HGSD	Ruisui	1.53 223	P	Pn	18 06 02.1 -0.1
HGSD			eS	Sn	18 06 21.5 -0.9
VWDT	VWDT	1.55 237	P	Pn	18 06 03.2 +0.7
VWDT			S	Sn	18 06 22.8 -0.2
EHYH	Warong	1.58 225	eP	Pn	18 06 02.5 -0.3
EHYH			S	Sn	18 06 02.3 -0.5
JISG	Ishigakijimahi	1.60 91	P	Pn	18 06 03.3 +0.3
JISG			S	Sn	18 06 23.6 -0.4
WCS	Beigang Elemen	1.60 250	i P	Pn	18 06 04.3 +1.2
WCS			S	Sn	18 06 25.5 +1.4
NMLH	Miaoili	1.61 267	P	Pn	18 06 04.1 +0.9
NMLH			S	Sn	18 06 24.6 +0.4
ECBN	Changbin	1.65 218	eP	Pn	18 06 03.7 +0.1
ECBN			S	Sn	18 06 24.3 -0.7
TWQ1	TWQ1	1.65 261	eP	Pn	18 06 04.5 +0.8
TWQ1			eS	Sn	18 06 25.2 +0.1
YULB	Yuli	1.68 224	P	Pn	18 06 03.7 -0.4
YULB			eS	Sn	18 06 24.1 -1.8
SMLT	Sun Moon Lake	1.68 244	P	Pn	18 06 05.7 +1.6
SMLT			eS	Sn	18 06 27.1 +1.1
SSLB	Suanguang	1.68 241	eP	Pn	18 06 04.8 +0.6
SSLB			eS	Sn	18 06 25.3 -0.6
EYUL	Yuli	1.70 222	eP	Pn	18 06 04.3 0.0
EYUL			P	Pn	18 06 05.9 +1.5
TYC	Yuchi	1.71 246	P	Pn	18 06 27.1 +0.7
TYC			eS	Sn	18 06 27.1 +0.7
TWF1	Yuli	1.71 223	P	Pn	18 06 04.0 -0.4
TWF1			eS	Sn	18 06 25.9 -2.1
WDJ	Dajia District	1.77 262	eP	Pn	18 06 06.1 +1.0
WDJ			S	Sn	18 06 28.5 +0.8
CHKH	Chenggong	1.78 217	P	Pn	18 06 04.9 -0.4
CHKH			eS	Sn	18 06 25.9 -2.1
TCU	Taichung	1.78 255	P	Pn	18 06 06.5 +1.2
TCU			eS	Sn	18 06 28.9 +0.9
WHYT	Xinyi Township	1.81 240	P	Pn	18 06 07.4 +1.7
WHYT			eS	Sn	18 06 30.4 +1.6
FULB	Fuli	1.83 219	eP	Pn	18 06 06.1 +0.1
FULB			eS	Sn	18 06 28.8 -0.4
WJS	Zhushan	1.85 245	eP	Pn	18 06 07.5 +1.4
WJS			eS	Sn	18 06 31.9 +2.3
WNT	Mingjian	1.86 247	P	Pn	18 06 08.0 +1.7
WNT			eS	Sn	18 06 31.1 +1.2
CHKT	Chengkung	1.87 216	P	Pn	18 06 06.0 -0.4
CHKT			eS	Sn	18 06 27.9 -2.1
WCHH	Zhanghua	1.90 254	eP	Pn	18 06 08.1 +1.2
WCHH			eS	Sn	18 06 31.1 +0.3

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ETM	baz=229	i S	Sn	18 06 14.1 -0.8	
LXIB	Xiulin Townshi	1.20 240	P	Pn	18 05 58.2 -0.3
LXIB			eS	Sn	18 06 14.5 -1.3
SHUL	Shoufeng	1.23 228	P	Pn	18 05 58.8 +0.2
SHUL			eS	Sn	18 06 16.1 0.0
FUSS	Fushou	1.25 253	P	Pn	18 05 59.7 +0.5
FUSS			eS	Sn	18 06 16.5 -0.5
WHF	Hehuan Shan	1.27 248	P	Pn	18 05 59.9 +0.4
WHF			S	Sn	18 06 17.1 -0.5
HATJ	Hateruma jima	1.27 116	eS	Pn	18 06 17.3 +0.4
NCUH	Zhongli	1.29 286	P	Pn	18 05 59.9 +0.6
NCUH			S	Sn	18 06 18.1 +0.7
ESL	Shilin	1.30 232	P	Pn	18 05 59.1 -0.4
ESL			S	Sn	18 06 16.2 -1.4
NFF	Wufeng Townshi	1.31 271	P	Pn	18 06 00.3 +0.7
NFF			i S	Sn	18 06 17.8 0.0
TWT	Tachien	1.31 254	P	Pn	18 06 00.8 +1.0
TWT			eS	Sn	18 06 17.9 -0.1
TDCB	Techi	1.33 254	P	Pn	18 06 00.7 +0.8
TDCB			S	Sn	18 06 18.1 -0.2
CHGB	Renai	1.38 246	P	Pn	18 06 01.2 +0.6
CHGB			eS	Sn	18 06 19.6 0.0
JKRS	Kuro-shima	1.38 106	eP	Pn	18 06 01.1 +0.7
JKRS			eS	Pn	18 06 19.5 +0.3
WARBT	Fenglin Townsh	1.40 230	i/P	Pn	18 06 00.1 -0.5
WARBT			i S	Sn	18 06 17.9 -1.7
EGFH	Guangfu	1.40 228	P	Pn	18 06 00.5 -0.2
EGFH			eS	Sn	18 06 18.4 -1.3
LIOB	Emei	1.40 271	i P	Pn	18 06 01.3 +0.7
LIOB			S	Sn	18 06 20.0 +0.2
NSTT	Nanjuang	1.42 271	P	Pn	18 06 01.3 +0.5
NSTT			S	Sn	18 06 19.9 -0.1
OWD	Renai	1.42 242	P	Pn	18 06 01.5 +0.4
OWD			S	Sn	18 06 19.7 -0.7
SBCB	Hsinchu	1.44 277	P	Pn	18 06 01.8 +0.7
SBCB			S	Sn	18 06 21.0 +0.5
HSN	Hsinchu	1.45 277	P	Pn	18 06 01.5 +0.3
HSN			S	Sn	18 06 20.8 -0.1
WUSB	Renai	1.45 245	i P	Pn	18 06 02.0 +0.6
WUSB			S	Sn	18 06 20.8 -0.3
JJ	Ishigaki jima	1.47 100	P	Pn	18 06 01.8 +0.3
JJ			S	Sn	18 06 20.4 -0.7
WHP	Taichung City	1.51 257	eP	Pn	18 06 04.2 +2.3
WHP			eS	Sn	18 06 23.8 +1.7
HGSD	Ruisui	1.53 223	P	Pn	18 06 02.1 -0.1
HGSD			eS	Sn	18 06 21.5 -0.9
VWDT	VWDT	1.55 237	P	Pn	18 06 03.2 +0.7
VWDT			S	Sn	18 06 22.8 -0.2
EHYH	Warong	1.58 225	eP	Pn	18 06 02.5 -0.3
EHYH			S	Sn	18 06 02.3 -0.5
JISG	Ishigakijimahi	1.60 91	P	Pn	18 06 03.3 +0.3
JISG			S	Sn	18 06 23.6 -0.4
WCS	Beigang Elemen	1.60 250	i P	Pn	18 06 04.3 +1.2
WCS			S	Sn	18 06 25.5 +1.4
NMLH	Miaoili	1.61 267	P	Pn	18 06 04.1 +0.9
NMLH			S	Sn	18 06 24.6 +0.4
ECBN	Changbin	1.65 218	eP	Pn	18 06 03.7 +0.1
ECBN			S	Sn	18 06 24.3 -0.7
TWQ1	TWQ1	1.65 261	eP	Pn	18 06 04.5 +0.8
TWQ1			eS	Sn	18 06 25.2 +0.1
YULB	Yuli	1.68 224	P	Pn	18 06 03.7 -0.4
YULB			eS	Sn	18 06 24.1 -1.8
SMLT	Sun Moon Lake	1.68 244	P	Pn	18 06 05.7 +1.6
SMLT			eS	Sn	18 06 27.1 +1.1
SSLB	Suanguang	1.68 241	eP	Pn	18 06 04.8 +0.6
SSLB			eS	Sn	18 06 25.3 -0.6
EYUL	Yuli	1.70 222	eP	Pn	18 06 04.3 0.0
EYUL			P	Pn	18 06 05.9 +1.5
TYC	Yuchi	1.71 246	P	Pn	18 06 27.1 +0.7
TYC			eS	Sn	18 06 27.1 +0.7
TWF1	Yuli	1.71 223	P	Pn	18 06 04.0 -0.4
TWF1			eS	Sn	18 06 25.9 -2.1
WDJ	Dajia District	1.77 262	eP	Pn	18 06 06.1 +1.0
WDJ			S	Sn	18 06 28.5 +0.8
CHKH	Chenggong	1.78 217	P	Pn	18 06 04.9 -0.4
CHKH			eS	Sn	18 06 25.9 -2.1
TCU	Taichung	1.78 255	P	Pn	18 06 06.5 +1.2
TCU			eS	Sn	18 06 28.9 +0.9
WHYT	Xinyi Township	1.81 240	P	Pn	18 06 07.4 +1.7
WHYT			eS	Sn	18 06 30.4 +1.6
FULB	Fuli	1.83 219	eP	Pn	18 06 06.1 +0.1
FULB			eS	Sn	18 06 28.8 -0.4
WJS	Zhushan	1.85 245	eP	Pn	18 06 07.5 +1.4
WJS			eS	Sn	18 06 31.9 +2.3
WNT	Mingjian	1.86 247	P	Pn	18 06 08.0 +1.7
WNT			eS	Sn	18 06 31.1 +1.2
CHKT	Chengkung	1.87 216	P	Pn	18 06 06.0 -0.4
CHKT			eS	Sn	18 06 27.9 -2.1
WCHH	Zhanghua	1.90 254	eP	Pn	18 06 08.1 +1.2
WCHH			eS	Sn	18 06 31.1 +0.3

EHD	Haiduan	1.92 220	eP	Pn	18 06 06.7 -0.4
EHD			eS	Sn	18 06 29.7 -1.5
ALS	Alishan	1.95 236	P	Pn	18 06 09.2 +1.5
ALS			eS	Sn	18 06 32.6 +0.4
ECS	Chishang	1.95 219	P	Pn	18 06 07.9 +0.4
ECS			S	Sn	18 06 32.0 +0.1
JTJ	Tarama	1.95 89	eP	Pn	18 06 08.2 +0.8
JTJ			eS	Sn	18 06 32.5 +0.6
EDH	Donghe	2.00 215	eP	Pn	18 06 08.1 -0.1
EDH			eS	Sn	18 06 31.8 -1.3
ELDTV	Lidau	2.00 225	eP	Pn	18 06 08.2 0.0
ELDTV			S	Sn	18 06 32.7 -0.6
WGK	Gukeng	2.05 243	P	Pn	18 06 10.5 -1.4
WGK			S	Sn	18 06 36.3 +2.2
WDLH	Douliu	2.06 244	eP	Pn	18 06 10.1 +1.1
WDLH			eS	Sn	18 06 35.1 -0.6
WRL	Guolierlin Hig	2.11 251	P	Pn	18 06 10.1 +0.5
WRL			eS	Sn	18 06 31.1 +0.6
WCKO	Fanlu	2.14 237	P	Pn	18 06 11.6 +1.7
WCKO			S	Sn	18 06 38.4 +2.2
LONT	Longtian	2.15 218	P	Pn	18 06 09.6 -0.5
LONT			eS	Sn	18 06 35.1 -1.4
STYH	Taoyuan	2.18 229	P	Pn	18 06 11.6 +1.2
STYH			eS	Sn	18 06 38.3 +1.1
WTK	Tuku	2.19 245	P	Pn	18 06 11.6 +1.1
WTK			eS	Sn	18 06 38.3 +1.0
TPUB	Tapu	2.20 234	P	Pn	18 06 11.8 +1.1
TPUB			eS	Sn	18 06 39.5 -1.3
WTP	Tapu	2.24 233	P	Pn	18 06 12.3 +1.0
WTP			eS	Sn	18 06 40.3 +1.5
TWGBT	Beinan	2.25 217	P	Pn	18 06 10.6 -0.7
TWGBT			S	Sn	18 06 37.8 -1.1
TWGT	Pinlang	2.25 217	P	Pn	18 06 10.8 -0.5
TWGT			S	Sn	18 06 37.3 -1.5
TWK	Hsinying	2.32 235	P	Pn	18 06 13.4 +1.0
TWK			eS	Sn	18 06 41.5 +0.8
CHN1	Nanshi	2.34 233	eP	Pn	18 06 13.7 +1.1

23d 18h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TWKBT, Houxiangcun, PTCHM, etc.

IDC 23 18:06:35.8±1.5, 5:50S; 146.81E, h228km, 14km, mb3.5/7, mbtmp4.2/10, Error ellipse: s-maj=24.5km s-min=10.5km az=115.0

DJA 23 18:06:37.2±0.3, 5°S; 147°E, h249km, 6km, M4.7/19, mb5.0/3, mb4.3/19, ML4.9/4, Mw(mb)4.3/3

NEIC 23 18:06:37.0±1.1, 5:49S; 0.06:146.9E±0.1, h223km, 12km, mb4.6/19, Error ellipse: s-maj=16.7km s-min=6.2km az=113.0

ISC 23 18:06:37.6±0.5, 5:46S; 0.06:146.93E±0.06, h250km, n60, c160/63, mb3.9/11, Eastern New Guinea region

Main station list table for 23d 18h, including stations like MANU, RABL, TABU, etc.

KRNET 23 18:34:11.8±0.1, 42°46'N; 78°50'E, h20km, mb2.8

SOME 23 18:34:12.4, 42°48'N; 78°45'E, h10km

NNC 23 18:34:12.6±0.5, 42°54'N; 78°49'E, h0km, mb3.4, mpv3.6, Error ellipse: s-maj=4.3km s-min=1.6km az=167.0

ISC 23 18:34:12.5±0.9, 42°46'N; 0.03:78.47E±0.02, h9km, 6km, n73, c153/135, 31C-17D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PRZ, SATY, ANVS, etc.

2018 APR

Main station list table for 2018 APR, including stations like ZHN, UZB, TARG, etc.

1496

Main station list table for 1496, including stations like NRN, DJR, DGS, etc.

AZER 23 18:36:24.3, 38°44'N; 46°99'E, h5km, ml3.3

TEH 23 18:36:25.5, 38°40'N; 46°88'E, h10km, 26km, ML3.2

NSPP 23 18:36:25.6, 38°42'N; 46°80'E, h9km, Ms3.3

ISC 23 18:36:25.8±1.1, 38°43'N; 0.02:46.89E±0.02, h6km±10km, n64, c1941/112, 1C-3D, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like IHRH, ITBZ, ISRB, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ALIB Ganja, GANJ Ganja, NAREK NAREK, etc.

IDC 23 18:44:26.4, 1.2, 8:54N, 83:28W, h0km, mb3.7/5, mbtmp3.777, ML4.0/2, MS3.1/1, Error ellipse: s-maj=42.1km

UCR 23 18:44:28.1, 0.6, 8:50N, 83:29W, h12km, 1km, MW4.6, s-min=21.9km az=51.0

CATAC 23 18:44:28.4, 0.3, 8:51N, 83:28W, h4km, 1km, ML4.3

UPA 23 18:44:27.9, 1.1, 3.8:55N, 83:15W, h0km, 4km, MW4.3

ISC 23 18:44:27.9, 0.7, 8:49N, 0:02, 83:28W, 0.02, h14km, 4km, n102, e087/123, mb3.7/5, 17C-6D, Costa Rica

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like 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 LCR2 La Lucha 2, TURIB Turrialba, VINA Juan Vinas, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TCW Tuamarina, TUWZ Tuamarina, NNZ Nelson, etc.

Table with columns for station ID, name, elevation, and coordinates. Includes stations like M19K, PPLA, O19K, WAT6, FID, SVW2, TRF, M24K, CAST, KTH, M18K, RND, O18K, N18K, DHY, Q19K, SYI, K20K, MCK, P18K, CHUM, HARP, GOAT, BMRM, N25K, BPAW, TTA, PAX, BWN, M17K, KAIM, P17K, KDAK, VRDI, NEA2, WRH, J18K, J19K, KHIT, MCARA, ANCK, HDA, MENT, CCB, O16K, CNTC, M26K, WAX, K17K, O16K, M16K, PTPK, MDM, OHAK, KIAG, I20K, IL31, ILAR, I23K, ISLE, I21K, I16K, SCRK, J25K, J25K, POKR.

Table with columns for station ID, name, elevation, and coordinates. Includes stations like POKR, M27K, BARN, MESA, H17A, CTGM, L27K, H21K, H21K, N15K, LOGN, J26L, H23K, H23K, H22K, H22K, H24K, PRP, PRP, IMAR, J16K, J16K, O28M, O28M, K15K, K15K, I26K, I26K, F20K, F20K, IDC 23, NEIC 23, AEIC 23, ISC 23, Code, Station Name, Az, Op, Phase ID, Time, Res, ISC.

Table with columns for station ID, name, elevation, and coordinates. Includes stations like BRSE, M20K, M20K, M20K, O20K, HOM, IVE, CNPM, M23K, M23K, ILSW, ILSW, ILSW, GLI, GLI, SCM, SCM, SCM, N19K, O19K, FID, FID, HIN, HIN, L19K, SVW2, SVW2, SVW2, TRF, TRF, KLU, KLU, CAST, M24K, KTH, RND, O18K, O18K, DHY, DHY, N18K, N18K, N18K, O19K, SYI, K20K, K20K, P18K, BPAW, N25K, N25K, L18K, L18K, RAGM, TTA, TTA, N17K, N17K, M17K, GLB, GLB, J20K, J20K, J20K, KDAK, KDAK, KDAK, BERG, BERG, VRDI, NEA2, WRH, WRH, J18K, J19K, J19K, HDA, HDA, MCARA, MENT, MENT, CCB, K17K, K17K, WAX, WAX, MLY, O16K, O16K, O16K, M16K, M16K, M16K, I20K, IL31, ILAR, ILAR, ILAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for ILAR, I23K, OHAK, I21K, ISLE, L16K, L16K, L16K, SCRK, SCRK, J25K, J25K, POKR, POKR, POKR, BARN, BARN, CTGM, CTGM, H21K, N15K, J26L, J26L, LOGN, LOGN, LOGN, H23K, H24K, H24K, PRP, PRP, PRP, IMAR, J16K, J16K, J16K, H19K, H19K, H19K, K15K, K15K, H18K, H18K, H18K, I17K, I17K, I17K, I26K, M14K, O14K, G21K, H17K, L14K, G18K, M13K, F21K, J14K, E27K, E27K, D27M, G31M, B20K, INK, YKA, NVAR, TXAR, ARCES, SONM, ZALV, EKA, BVAR, KURBB, MKAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for H03N2, H03S2, H03N3, H03N1, H03S3, H03S1, PLCA, NNA, AC02, GO02, GO02, ATAH, LVC, LVC, CHSH, LPAZ, LPAZ, LPAZ, CZSB, CZSB, SLOR, PMSA, ETMB, CPUP, SIV, ROSC, ROSC, ROSC, SAML, PTLB, WILB, WILB, LPIG, RAO, RAO, BAUV, HSIG, HSIG, 833A, 833A, TXAR, TXAR, TXAR, DRIO, SAND, SAND, HND0, HND0, VHRN, BDFB, BDFB, PCRV, P19A, P19A, P19A, JIX, VVND, VVND, VVND, 214A, 214A, MNHN, MNHN, QSPA, QSPA, BRDY, BRDY, 121A, YUH, YUH, 113A, 113A, ODSA, ODSA, PFO, ABTX, ABTX, PMD, SN05, SN07, SN07, PLPT, LEMN, APMT, FW06, MXTX, MXTX, ANMO, GSC, GSC, WUJAZ, ISA, QSM, QSM, GWY, GWY, MDP, VNA3, NVAR, NVAR, SNA4, SNA4, SNA4, SNA4.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for BSUT, BSUT, TROLL, TROLL, ELK, ELK, TKL, YBH, PDAR, PDAR, DZM, DZM, RCBR, RCBR, NEW, NEW, ULM, ULM, BBB, BBB, MNR, MNR, STKA, STKA, DLBC, DLBC, YKA, YKA, H11S2, H11S2, H11S1, H11S1, H11S3, H11S3, SCHQ, SCHQ, PMG, PMG, ILAR, ILAR, ASAR, ASAR, INK, INK, FRB, FRB, AKAS, AKAS, XAN, XAN, XAN, XAN, SONM, SONM, OBN, OBN, ARG, ARG, ELL, ELL, LZH, LZH, LZH, LZH, CMAR, CMAR, BRTR, BRTR, BRTR, BRTR, ZALV, ZALV, KBZ, KBZ, BVAR, BVAR, KURBB, KURBB, KURBB, KURBB, MKAR, MKAR.

ADC 23:19:21.44, 7.0, 5.29, 41S; 112.29W, h0km, mb4.1/11, mbmp4.2/12, ML4.5/1, MS4.7/41, Error ellipse: s-maj=21.6km s-min=16.0km az=97.0 NEIC 23:19:21.45, 4.1, 7.28, 9S; 0.2, 112.2W; 0.2, h10km, 2km, mb4.9/46, Error ellipse: s-maj=31.5km s-min=19.1km az=148.0 GCMT 23:19:21.46, 6.0, 1.29, 46S; 0.01, 112.88W; 0.01, h18km, MMS: 2134, Moment Tensor Solution: s87, c117, s134, c240; Duration: 150 Moment tensor: Scale 10^16 Nm; Mw: 0.43; 12; Mw: 6.60; 12; Mw: 6.16; 12; Mw: 1.45; 30; Mw: 3.67; 12; Mw: 0.32; 26; Best double couple: Mo: 7.50100; 1016 NP1; 10.20, 0.00000; 888, 0.00000; -1.169, 0.00000; NP2; 30, 0.00000; 679, 0.00000; 1.2, 0.00000; Principal axes: T 7.2100, P1g6.0000, Azm255.0000; N 0.5780, P1g79.0000, Azm132.0000; P -7.7930, P1g9.0000, Azm345.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ISC 23:19:21.43, 4.0, 5.29, 22S; 0.09, 112.13W; 0.10, h10km, n15, i15, s36/80, mb4.8/34, MS4.7/41, 3C, Easter Island region

ADC 23:19:25.00, 7.0, 2.0, 29.85S; 112.00W, h0km, mb3.7/5, mbmp3.8/6, ML4.4/1, Error ellipse: s-maj=57.6km s-min=27.6km az=103.0 NEIC 23:19:25.03, 7.1, 6.25, 10S; 0.1, 112.6W; 0.2, h10km, 1km, mb4.7/74, Error ellipse: s-maj=26.9km s-min=17.8km az=304.0 ISC 23:19:25.02, 7.0, 2.9, 6S; 0.1, 112.6W; 0.1, h10km, n86, 0.97/82, mb4.7/38, Easter Island region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for VA02, RPN, RPN, RPN, H03N2, H03N3, H03N1, H03N1, ETMB, MTO3, MTO3, ROSC, SAML, VILB, VILB, PETF, AQDB, SDV, SDV, MACA, HPIG, HAUV, HAUV, BELA, BOVA, BOVA, TXAR, SAMP, SAMP, ALPN, VHRN, GSPA, GSPA, GSPA, PIX, PIX.

23d 20h

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like JCT Junction City, MNHN Monahans, HKT Hockley, etc.

NNC 23 19:27:33.5:0.4, 42.69N, 73.42E, h0km, mb3.5, mpv3.3, Error ellipse: s-maj=4.0km s-min=2.2km az=0.0

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like EKS2 Erkin-Say, MNAS Manas, AAK Ala-Archa, etc.

2018 APR

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like FRU1 Bishkek, ARLS Ara, USP Osh, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like BTLS Baital, BTLS Baital, BTLS Baital, etc.

1500

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like MDOK Medeo, MDOK Medeo, MDOK Medeo, etc.

JMA 23 20:01:08.8:0.6, 23°N, 124°E, h79km, MV2.1/8, FAR S OFF ISHIGAKIJIMA, Southeast of Taiwan

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like HATJ Hateruma jima, JKRS Kuro-shima, etc.

TAP 23 20:01:27.2, 23°15'N, 121°36'E, h28km, 1km, ML1.1, 1D, C, Taiwan

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like CHKH Chenggong, CHKH Chenggong, CHKH Chenggong, etc.

TWF1	baz=344	i	Sb	20 01 38.8 +1.2			
YULB	Yu-Ii	0.25 346	P	Pb	20 01 34.0 +0.1		
YULB	baz=345	S	Sb	20 01 39.2 +0.8			
ELDTW	Lidau	0.32 277	j	P	Pn	20 01 35.7 -0.5	
ELDTW	baz=276	i	Sb	20 01 40.8 +0.6			
LONT	Longtian	0.73 222	e	S	Sb	20 01 42.2 +0.3	
EYHY	Wanrong	0.34 357	e	P	Pn	20 01 36.3 -0.1	
EYHY	baz=357	S	Sn	20 01 41.8 -0.6			
HGSD	Ruisui	0.34	9	e	P	Pn	20 01 35.8 -0.6
EHY	Hungye	0.35 354	P	Pn	20 01 36.1 -0.5		
EYH	baz=354	S	Sb	20 01 41.6 +0.7			
TWGB	Beinan	0.42 218	e	S	Sb	20 01 42.4 -0.2	
TWGB	baz=218	S	Sb	20 01 42.5 -0.2			
TWY	Pinlang	0.42 219	S	Sb	20 01 42.5 -0.2		
STYH	Taoyuan	0.54 272	e	P	Pn	20 01 39.4 +0.3	
STYH	baz=273	e	S	Sn	20 01 47.2 0.0		
SLGT	Luigu	0.68 257	e	P	Pn	20 01 40.9 -0.1	
SLGT	baz=256	e	S	Sb	20 01 49.4 -0.3		
TPUB	Ta-pu	0.69 283	e	P	Pn	20 01 41.7 +0.5	
TPUB	baz=282	e	S	Sn	20 01 50.7 -0.3		
WTP	Ta-pu	0.70 278	e	S	Sb	20 01 51.1 -0.1	
WTP	baz=277	e	S	Sb	20 01 52.2 -0.9		
SNST	Tainan City	0.80 275	e	S	Sb	20 01 52.2 -0.9	
SNST	baz=274	e	S	Sb	20 01 52.4 -1.1		
TWK	Hsiungyr	0.81 278	e	S	Sb	20 01 52.4 -1.1	
TWK	baz=278	e	S	Sb	20 01 52.4 -1.1		

NEIC 23 20:04:24.5-2.8, 18.3N;0.2-64.3W;0.1, h157km, 13km, ML3.8/36, Md3.1/9(RSPR), Error ellipse: s-maj=28.1km s-min=10.2km az=203.0

TRN 23 20:04:24.6, 18.47N;64.22W, h112km, MD0.0, East of Virgin Gorda.

SDD 23 20:04:27.2-0.9, 18.01N;64.37W, h165km, 17km, MD3.6, ML3.6, MW3.5

RSPR 23 20:04:28.9, 18.31N;64.59W, h150km, 1km, MD3.1/9

ISC 23 20:04:23.5-2.1, 18.4N;0.1-64.29W;0.05, h157km, 20km, n66, i=148/85, 11C-10, Virgin Islands

Code	Station Name	Δ° AZ'	Phase	ID	Time	Res
					m	h s
SMRT	St. Maarten	1.20 106	Op	Pn	20 05 12.3 +0.9	
SMRT	St. Maarten	1.20 106	Sn	Pn	20 04 49.6 -1.1	
SMRT	St. Maarten	1.20 106	IAML		20 05 12.9	
SABA	comp=N, 1.1um, 0.1s	1.25 127	Pn	Pn	20 04 51.8 +0.6	
HUMP	Col San Antoni	1.50 261	eP	Pn	20 05 55.2 +1.6	
HUMP	Col San Antoni	1.50 261	eS	Pn	20 05 16.1 -0.6	
HUMP	Col San Antoni	1.50 261	eP	Pn	20 05 55.2 +1.6	
HUMP	Col San Antoni	1.50 261	IAML		20 05 17.8	
HUMP	comp=E, 1.1um, 0.2s	1.50 261	IAML		20 05 19.9	
GCPR	Guaynabo City	1.71 268	eP	Pn	20 04 57.1 +1.4	
GCPR	Guaynabo City	1.71 268	eS	Pn	20 05 19.4 -1.1	
GCPR	Guaynabo City	1.71 268	IAML		20 05 21.5	
IGPR	InterUniversit	1.78 257	jP	Pn	20 04 58.1 +1.5	
IGPR	InterUniversit	1.78 257	eS	Pn	20 05 20.9 -1.0	
IGPR	InterUniversit	1.78 257	eP	Pn	20 04 58.1 +1.5	
IGPR	InterUniversit	1.78 257	IAML		20 05 20.9 -1.0	
EMPR	Esperanza - Ma	2.13 273	jP	Pn	20 05 02.4 +1.8	
EMPR	Esperanza - Ma	2.13 273	eS	Pn	20 05 28.4 -0.7	
EMPR	Esperanza - Ma	2.13 273	eP	Pn	20 05 02.4 +1.8	
EMPR	Esperanza - Ma	2.13 273	IAML		20 05 31.8	
EMPR	comp=E, 4.08nm, 0.2s	2.13 273	IAML		20 05 35.8	
CELP	Cerrillos	2.20 262	eP	Pn	20 05 02.9 +1.5	
CELP	Cerrillos	2.20 262	eS	Pn	20 05 29.3 -1.3	
CELP	Cerrillos	2.20 262	eP	Pn	20 05 02.9 +1.5	
CELP	Cerrillos	2.20 262	eSg	Pn	20 05 29.3 -1.3	
CELP	Cerrillos	2.20 262	jSg	Pn	20 05 29.5 -1.0	
CELP	Cerrillos	2.20 262	IAML		20 05 33.8	
OBIP	Obispo Ponce	2.23 262	jP	Pn	20 05 03.3 +1.6	
OBIP	Obispo Ponce	2.23 262	eS	Pn	20 05 03.3 +1.6	
OBIP	Obispo Ponce	2.23 262	IAML		20 05 30.1 -1.1	
OBIP	Obispo Ponce	2.23 262	IAML		20 05 30.8	
UUPR	Utado, UPR, P	2.31 267	eP	Pn	20 05 04.5 +1.8	
UUPR	Utado, UPR, P	2.31 267	eS	Pn	20 05 02.1 -0.9	
UUPR	Utado, UPR, P	2.31 267	eP	Pn	20 05 04.5 +1.8	
UUPR	Utado, UPR, P	2.31 267	IAML		20 05 02.1 -0.9	
AOPR	Arecibo Observ	2.34 270	eP	Pn	20 05 04.7 +1.6	
AOPR	Arecibo Observ	2.34 270	eS	Pn	20 05 32.4 -1.2	
AOPR	Arecibo Observ	2.34 270	eP	Pn	20 05 04.7 +1.6	
AOPR	Arecibo Observ	2.34 270	eSg	Pn	20 05 32.4 -1.2	
AOPR	Arecibo Observ	2.34 270	IAML		20 05 33.6	
AOPR	comp=E, 2.0um, 0.3s	2.34 270	IAML		20 05 36.8	
AOPR	comp=N, 803nm, 0.3s	2.34 270	eP	Pn	20 05 04.2 +1.1	
AOPR	comp=N, 803nm, 0.3s	2.34 270	eS	Pn	20 05 33.3 -0.3	
GBPR	Guánica, Bosqu	2.50 261	eS	Pn	20 05 06.2 +1.3	
GBPR	Guánica, Bosqu	2.50 261	eS	Pn	20 05 35.1 -1.5	
GBPR	Guánica, Bosqu	2.50 261	eS	Pn	20 05 06.2 +1.3	
GBPR	Guánica, Bosqu	2.50 261	IAML		20 05 35.4 -1.5	
MBFL	Flemmings, Mon	2.56 129	eP	Pn	20 05 07.3 +1.6	
MLPR	Magueyes Islan	2.65 262	eP	Pn	20 05 08.0 +1.1	
MLPR	Magueyes Islan	2.65 262	eS	Pn	20 05 38.5 -1.8	
MLPR	Magueyes Islan	2.65 262	eP	Pn	20 05 08.0 +1.1	
MLPR	Magueyes Islan	2.65 262	IAML		20 05 38.5 -1.8	
MLPR	Magueyes Islan	2.65 262	IAML		20 05 40.6	
MLPR	Magueyes Islan	2.65 262	jP	Pn	20 05 07.7 +0.9	
MLPR	Magueyes Islan	2.65 262	jSg	Pn	20 05 38.0 -2.3	
MLPR	Magueyes Islan	2.65 262	IAML		20 05 40.5	
MLPR	comp=N, 140nm, 0.3s	2.65 262	IAML		20 05 42.8	
MLPR	comp=E, 115nm, 0.7s	2.66 118	eS	Pn	20 05 38.2 -2.3	
AGPR	Agua de la, PR	2.68 272	eS	Pn	20 05 08.8 +1.6	
AGPR	Agua de la, PR	2.68 272	eS	Pn	20 05 39.8 -1.2	
AGPR	Agua de la, PR	2.68 272	eS	Pn	20 05 08.8 +1.6	
AGPR	Agua de la, PR	2.68 272	eSg	Pn	20 05 39.8 -1.2	
AGPR	Agua de la, PR	2.68 272	IAML		20 05 40.7	
AGPR	comp=E, 309nm, 0.2s	2.68 272	IAML		20 05 42.7	
CRPR	Cabo Rojo, PR	2.71 262	eP	Pn	20 05 08.6 +1.1	
CRPR	Cabo Rojo, PR	2.71 262	eS	Pn	20 05 40.2 -1.3	
CRPR	Cabo Rojo, PR	2.71 262	eP	Pn	20 05 08.6 +1.1	
CRPR	Cabo Rojo, PR	2.71 262	IAML		20 05 40.2 -1.3	
CRPR	Cabo Rojo, PR	2.71 262	eSg	Pn	20 05 39.0 -2.6	
CRPR	Cabo Rojo, PR	2.71 262	IAML		20 05 44.9	
CRPR	comp=N, 167nm, 0.6s	2.71 262	IAML		20 05 45.3	
CRPR	comp=E, 128nm, 0.5s	2.72 267	Pn	Pn	20 05 07.3 -0.3	
PRSN	Bethesda, Anti	2.75 119	eP	Pn	20 05 40.3 -1.5	
PRSN	Bethesda, Anti	2.75 119	eS	Pn	20 05 09.1 +1.2	
ANBD	Morne Mazeau,	3.19 131	Pn	Pn	20 05 40.4 -2.0	
GDHS	Morne Mazeau,	3.19 131	Pn	Pn	20 05 13.9 +0.3	

GDHS	comp=N, 192nm, 0.6s		IAML		20 05 58.7
GDHS	comp=E, 141nm, 0.6s		IAML		20 06 26.3
CBE	Ff, Capester	3.44 132	Pn	Pn	20 05 18.7 +1.9
CBE	comp=N, 273nm, 0.3s		IAML		20 06 02.8
CBE	comp=N, 194nm, 0.5s		IAML		20 06 14.8
CBE	Ff, Capester	3.44 132	eP	Pn	20 05 19.1 +2.3
CBE	comp=N, 194nm, 0.5s		eS	Pn	20 05 58.4 +0.2
GDSD	La Desirade Is	3.70 123	Pn	Pn	20 05 20.7 +0.5
PCDR	Punta Cana, DR	3.89 273	IAML		20 06 12.7
PCDR	comp=N, 94nm, 1.2s		IAML		20 06 13.6
MIDR	Miches	4.55 278	eP	Pn	20 05 33.4 +2.2
MIDR	comp=N, 25nm, 0.1s		IAML		20 06 20.8 -3.1
MIDR	comp=N, 25nm, 0.1s		IAML		20 06 25.7
MIDR	comp=N, 25nm, 0.1s		IAML		20 06 28.4
BIM	Bigot	4.93 141	Pn	Pn	20 05 36.7 +0.5
BIM	comp=N, 66nm, 0.8s		IAML		20 07 41.5
BIM	comp=N, 66nm, 0.8s		IAML		20 07 41.9
MPOM	Morne Pois Mar	5.11 139	Pn	Pn	20 05 39.5 +0.9
MPOM	comp=N, 31nm, 0.9s		IAML		20 06 45.9
MPOM	Morne Pois Mar	5.11 139	eP	Pn	20 07 16.6
MPOM	Morne Pois Mar	5.11 139	eS	Pn	20 05 40.4 +1.8
MPOM	Morne Pois Mar	5.11 139	eS	Pn	20 06 36.2 -1.0
SDDR	Pres de Saban	6.66 276	eP	Pn	20 05 59.5 +0.4
SDDR	Pres de Saban	6.66 276	eP	Pn	20 06 01.6 +2.4
GDRR	Grand Turk	7.15 297	eP	Pn	20 07 11.2 -3.0
GRTK	Grand Turk	7.15 297	Sn	Pn	20 06 07.2 +1.6
GRTK	Grand Turk	7.15 297	Sn	Pn	20 07 24.6 -1.2

IDC 23 20:16:25.9-0.8, 52.54N;168.22W, h0km, mb3.8/20, mtbpm3.8/21, ML3.7/1, Error ellipse: s-maj=23.5km s-min=14.8km az=175.0

NEIC 23 20:16:26.1-1.4, 52.32N;0.05-167.91W;0.06, h15km, 6km, mb4.0/56, ML3.4(AEIC), Error ellipse: s-maj=8.1km s-min=4.7km az=195.0

AEIC 23 20:16:28.4-1.7, 52.40N;0.09-167.96W;0.07, h17km, 7km, Error ellipse: s-maj=14.1km s-min=5.5km az=167.0

ISC 23 20:16:28.1-1.8, 46.52N;0.07-167.97W;0.04, h15km, 10km, n101, 069/97, mb4.0/24, Fox Islands

Code	Station Name	Δ° AZ'	Phase	ID	Time	Res
					h m s	h s
NIKH	Nikolski High	0.7 314	Op	ISC	20 16 43.5 -0.4	
NIKH	Nikolski High	0.7 314	Op	ISC	20 16 55.1 +0.2	
OKFC	Magazine Ridge	0.95 2	Pn	Pn	20 16 46.8 -0.1	
OKFC	Magazine Ridge	0.95 2	Pn	Pn	20 17 02.4 +2.4	
OKCE	Okmok Cone E	0.97 353	Pn	Pn	20 16 47.2 0.0	
OKCE	Okmok Cone E	0.97 353	Pn	Pn	20 17 03.3 +2.6	
OKRC	Okmok New Cone	1.00 355	Pg	Pg	20 16 47.7 +0.3	
OKRC	Okmok R deer P	1.06 354	Pg	Pg	20 16 48.5 +0.4	
CCO	Concord Point,	1.11 288	Sb	Pn	20 16 48.7 +0.3	
CLES	Cleveland East	1.23 288	Pb	Pn	20 16 50.4 +0.6	
MAPS	Pakushin South	1.48 24	Pn	Pn	20 16 54.2 0.0	
MANS	Pakushin South	1.48 24	Pn	Pn	20 17 14.3 +0.3	
MINAT	Makushin Natee	1.62 28	Pn	Pn	20 16 56.4 +0.4	
MSW	Makushin Swite	1.62 26	Pn	Pn	20 16 56.2 +0.2	
UNV	Unalaska Valle	1.64 32	Pn	Pn	20 17 18.9 +1.1	
UNV	Unalaska Valle	1.64 32	Pn	Pn	20 16 56.4 +0.1	
UNV	Unalaska Valle	1.64 32	Pn	Pn	20 17 18.6 +0.1	
MTBL	Makushin Table	1.70 27	Pn	Pn	20 16 57.6 +0.4	
AKRB	Akutan Reef B	2.02 36	Pb	Pn	20 17 02.7 +1.2	
ZRO	Akutan Zero	2.02 36	Pb	Pn	20 17 02.9 +1.6	
AKBA	Akutan Broad B	2.05 36	Pb	Pn	20 17 03.3 -1.6	
AKSA	Akutan Strait	2.16 38	Pb	Pn	20 17 04.5 +1.0	
WECES	Westdahl Cape	2.82 41	Pn	Pn	20 17 14.4 +1.9	
KOPF	Korovin Flat P	3.76 270	Pn	Pn	20 17 27.3 +1.9	
KDAD	Kodiak Island	10.29 53	Pn	Pn	20 16 55.4 +0.5	
SML	Samuil	14.13 41	P	P	20 17 54.2 -0.8	
GLI	Glacier Island	14.18 45	P	P	20 19 55.0 -0.5	
HNI	Hinchinbrook I	14.23 48	P	P	20 19 48.1 -0.7	
SCM	Sheep Creek Mo	14.55 42	Pn	Pn	20 19 52.2 -0.3	
KLU	Klutina	14.97 44	Pn	Pn	20 19 58.0 -0.9	
M24K	Tolsona, Glenn	15.16 42	Pn	Pn	20 20 01.3 0.0	
H21K	Melozitna Rive	15.29 24	Pn	Pn	20 20 08.0 +0.1	
H21K	Melozitna Rive	15.29 24	IAMB	IAMB	20 20 10.2	
MLY	Manley	15.37 28	P	P	20 20 07.9 -0.9	
MLY	Manley	15.37 28	IAMB	IAMB	20 20 09.5	
WRH	Wood River Hill	15.81 33	Pn	Pn	20 20 08.5 -1.2	
WRH	Wood River Hill	15.81 33	IAMB	IAMB	20 20 12.1 -1.4	
WRH	Wood River Hill	15.81 33	IAMB	IAMB	20 20 37.1	
G21K	Allakaket	18.82 22	Pn	Pn	20 20 09.5 -0.5	
GLB	Gilghina Butte	18.86 46	Pn	Pn	20 20 08.8 -1.8	
GLB	Gilghina Butte	18.86 46	IAMB	IAMB	20 20 16.1	
I23K	Minto, Yukon-K	15.86 30	IAMB	IAMB</		

23d 20h

Table with columns for station name, elevation, and various performance metrics. Includes stations like PET, INSR, UGLR, AVH, KOK, SMAR, KRER, NLC, KRX, KRX, SPN, GNL, KIL, TUMD, TUMR, ESO, KMINR, KMINR, KPT, KIRK, BZP, BZMR, BZMR, BZWR, BZGR, SRDR, KRSR, YSS, MA2, MA2, SEY, SEY, KLR, KLR, BILL, BILL, ZEA, HEH, HEH, YAK, YAK, MJAR, MJAR, SPIA, NIKH, GAMB, UNV, M11K, TNA, K13K, F14K, ANM, M13K, J14K, L14K, TIXI, TIXI, S12K, F15K, G15K, M14K, N14K, O14K, L15K, H16K, M15K, C16K, C16K, G16K, SDPT, N15K, O15K, J16K, I17K.

2018 APR

Table with columns for station name, elevation, and various performance metrics. Includes stations like D17K, S14K, L16K, RDOG, RDOG, CHNA, E17K, G17K, F17K, M16K, N16K, H17K, J17K, O16K, CHGN, L17K, P16K, K17K, E18K, F18K, C18K, M17K, B18K, H18K, N17K, O17K, Q17K, Q16K, P17K, J18K, A19K, F19K, F19K, C19K, C19K, N18K, G19K, G19K, TTA, M18K, Q17K, XLT, XLT, XLT, H19K, H19K, H19K, D19K, E19K, J19K, O18K, P18K, CHIR, L19K, N19K, F20K, H20K, D20K, E20K, I20K, K20K, J20K, B20K, B20K, SII, Q19K, P19K, G21K, OHAK, C21K, A21K, F21K, H21K, B21K, N20K, CAST, KDAK, I21K, A22K, HOM, F22K, D22K, H22K.

1502

Table with columns for station name, elevation, and various performance metrics. Includes stations like CAPN, B22K, B22K, BPAW, G22K, E22K, SUA, MLY, M22K, COLD, G23K, D23K, RC01, O22K, H23K, I23K, C23K, NEA2, SEW, E23K, PMR, MCK, TOLK, TOLK, TOLK, H11N2, H11N3, H11N1, WAT1, KNK, SML, D24K, COLA, COLA, H24K, C24K, F24K, F24K, F24K, M23K, G24K, G24K, G24K, DHY, SCM, HDA, IL31, IL31, ILAR, ILAR, ILAR, GLI, G25K, H11S1, H11S3, H11S2, D25K, D25K, HHC, HHC, H25L, SONM, SONM, M24K, K24K, F25K, PRP, E25K, E25K, KLU, J25K, J25K, FYU, FYU, PAX, Q23K, EYAK, HARP, C26K, C26K, F26K, NJ2, NJ2, NJ2, NJ2, N25K, G26K, BMRM.



Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like J26L Joseph Creek, E27K Coleen River, G27K Doyon Strip, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like PZH comp=Z,7.0nm,0.9s, SPITS Spitsbergen Arr, BVAR Borovoye Array, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like VYHS Vyhne, LONY Lake Ozonia, P49A Miami Univ. Ec, etc.

DJA 23 21:26:30.1z:0.4,7'S:5x10^4E, h10km, M4.8/6, mb5.0/1, ISC 23 21:26:34.9z:2.3,7.25z:0.3:104.0E:0.2, h35km, n20, c153/10, mb3.9/7, Southwest of Sumatra

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like KASI Kota Agung, LWLI Liwa, MIMAI Maimai, etc.

IDC 23 21:26:45.5z:0.7,5:54S:107:39E, h90km, 6km, mb3.8/12, mbtmp4.1/13, MS3.6/4, Error ellipse: s-maj=27.6km s-min=11.9km az=60.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like DJA 23 21:26:54.1z:0.2,8'S:4x10^7E, h79km, 6km, M4.9/20, etc.

LEM	4jm,0.5s,baz=119,slow=5.2,SNR=245 16	Sn	21 27 29.8	+3.1
LEM	9um,0.5s,baz=271,slow=21,SNR=16	LR	21 27 37.3	
LEM	comp-Z,708nm,19.1s,baz=178,slow=40	LR	21 27 37.3	
LEM	Lombang 1.04 15 P	Pn	21 27 15.1	+2.3
CMJI	Cimerak 1.09 87 P	Pn	21 27 13.6	+0.2
SKJI	Sukabumi 1.14 316 P	Pn	21 27 16.7	+2.7
KPJI	Karang Pucung 1.65 73 P	Pn	21 27 21.4	+0.6
TNG	Tangerang 1.75 309 P	Pn	21 27 25.6	+2.9
SBJI	Serang 2.00 325 P	Pn	21 27 29.7	+2.9
YOGI	Yogyakarta 2.92 90 P	Pn	21 27 37.7	-0.4
XMI	Christmas Isla 3.07 212 P	Pn	21 27 40.2	0.0
UGM	Wanagama 3.15 92 P	Pn	21 27 41.3	0.0
UGM	Wanagama 3.15 92 P	Pn	21 27 40.7	+0.6
SMRI	Semarang 3.16 76 P	Pn	21 27 43.2	+1.7
SMRI	Semarang 3.16 76 P	Pn	21 27 42.6	+1.1
NGJI	Ngawi 4.10 84 P	Pn	21 27 56.2	+1.9
PWJI	Pagerwojo 4.42 93 P	Pn	21 27 58.4	-0.2
GRJI	Gresik 5.17 80 P	Pn	21 28 08.7	-0.2
PMBI	Palemang 5.51 332 P	Pn	21 28 21.5	+7.9
BLJI	Banyuglugur 6.19 90 P	Pn	21 28 22.9	0.0
JAGI	Jajag Banyuw 6.77 96 P	Pn	21 28 31.7	+0.9
JAGI	Jajag Banyuw 6.77 96 P	Pn	21 28 31.6	+0.8
ABJI	Asem Bagus 6.82 90 P	Pn	21 28 34.1	+2.5
SRBI	Singaraja 7.79 92 P	Pn	21 28 46.4	+1.5
PPSI	Pulau Pagai 8.87 304 P	Pn	21 28 59.3	-0.4
PLAI	Plampang 10.37 96 P	Pn	21 29 18.7	-1.4
SISI	Saibi 10.46 308 P	Pn	21 29 19.4	-2.0
EDFI	Ende, Flores 14.22 95 P	Pn	21 30 06.9	-5.7
BATI	Baumata 16.29 100 P	Pn	21 30 35.5	-3.5
BATI	Baumata 16.29 100 P	Pn	21 30 37.4	-1.6
SOEI	Soe 16.83 98 P	Pn	21 30 44.2	-1.7
ASAR	Alice Springs 29.93 125 P	P	21 32 56.8	+0.2
STKA	Stevens Creek 39.83 132 P	P	21 34 22.4	+0.8
MKAR	Makanchi Array 58.78 340 pP	P	21 36 42.5	-3.4
KLR	Kuldrum 60.71 18 pP	P	21 36 56.3	-2.7
H04N2	CROZET ISLANDS 60.86 221 T	T	22 43 42.5	
H04N1	CROZET ISLANDS 60.87 221 T	T	22 43 44.4	
H04N3	CROZET ISLANDS 60.88 221 T	T	22 43 44.8	
KURBB	Kurchatov Arra 63.35 340 pP	P	21 37 13.7	-2.9
GEYT	Alibeck 64.61 318 pP	P	21 37 24.3	-1.1
MAW	Mawson 66.67 197 P	P	21 37 40.0	+2.0
BVAR	Borovsky Array 66.27 337 pP	P	21 37 46.1	-2.1
VNDA	Vanda 75.09 169 P	P	21 38 29.8	+0.9
ARU	Arti 75.52 334 LR	LR	22 16 06.5	
MMAI	Mount Meron Arr 79.36 306 pP	P	21 38 55.1	+1.4
QSPA	South Pole Qui 82.16 180 P	P	21 39 08.4	+0.3
BRTR	Keskin Array B 82.64 314 pP	P	21 39 10.8	-0.4
AKASG	Malin Array Be 85.56 322 LR	LR	22 23 41.0	
SNAAG	Sanae 88.84 197 pP	P	21 39 43.0	+1.9
SPITS	Spitsbergen Arr 97.82 348 LR	LR	22 31 43.4	

IDC 23 21:27:33.5:1.1,60°16S:30°61W,h0km,mb3.9/5,  
 mbtmp3.8/ML3.5/1,MS3.3/6,Error ellipse: s-maj=56.2km  
 s-min=23.8km az=77.0  
 ISC 23 21:27:34.9:0.9,60.2S:30.2W,0.3,h10km,n18,  
 r=158/8,mb3.8/5,MS3.2/5, South Sandwich Islands  
 region

Code	Station Name	A°	AZ°	Phase	ID	Time	Res
SNAAG	Sanae	15.85	148	Pn	P	21 31 21.0	-0.6
SNAAG	Sanae	15.85	148	Pn	LR	21 36 11.7	
QSPA	South Pole Qui	30.05	180	P	P	21 33 45.0	+1.1
PLCA	Paso Flores	31.48	290	LR	LR	21 45 31.0	
CPUP	Villa Florida	38.59	319	P	P	21 34 58.6	+0.8
CPUP	Vanda	42.34	184	P	P	21 35 28.8	+0.5
LVC	Limon Verde	46.22	307	LR	LR	21 53 05.3	
BDFB	Bresilia	46.31	313	LR	LR	21 55 32.4	
H04S2	CROZET ISLANDS 47.42 113 T	T	22 28 47.5				
H04S3	CROZET ISLANDS 47.43 113 T	T	22 28 48.5				
H04S1	CROZET ISLANDS 47.44 113 T	T	22 28 48.6				
LPFZ	La Paz	51.65	311	LR	LR	21 57 05.6	
H10N1	ASCENSION HYDRFS3.57 20 T	T	22 35 08.1				
H10N3	ASCENSION HYDRFS3.57 20 T	T	22 35 04.0				
H10N2	ASCENSION HYDRFS3.59 20 T	T	22 35 02.3				
TORD	Tordi Ar, Bea	77.46	32	P	P	21 39 31.4	+1.2
ASAR	Alice Springs	95.46	165	P	P	21 40 59.2	-0.5
YKA	Yellowknife Arr	138.09	314	PKP	PKPpdf	21 46 56.3	-2.0
ILAR	Eielson Array	151.46	307	PKP	PKPbc	21 47 25.2	-2.1

IDC 23 21:29:25.2:2.4,6.96S:129.79E,h0km,mb3.4/1,  
 mbtmp3.6/3,ML3.8/2, Error ellipse: s-maj=142.9km  
 s-min=33.4km az=69.0, Banda Sea  
 region

NAO 23 21:31:51.8:1.6,77°83N:6°47E,ML4.0  
 IDC 23 21:31:55.7:0.6,77°84N:6°87E,h0km,mb3.8/17,  
 mbtmp3.8/22,ML2.9/2,MS3.5/41,Error ellipse:  
 s-maj=15.4km s-min=10.4km az=23.0  
 KOLA 23 21:31:56.1,77°84N:8°82E,h0km,ML3.0, Error ellipse:  
 s-maj=14.0km s-min=8.4km az=80.0, Greenland sea  
 BER 23 21:31:56.0:3.4,77°97N:7°18E,h10km,mb(Pn)4.4,  
 ML4.0(NAO), Confirmed Earthquake  
 NEIC 23 21:31:57.9:2.7,77°05N:8°11E,0.3,h10km,1km,  
 mb4.2/29, Error ellipse: s-maj=12.1km s-min=8.8km  
 az=252.0  
 FCIAR 23 21:32:00.0,77°85N:8°81E,h10km,station ZF12 has  
 station magnitude of 4.00 station OMEGA has station  
 magnitude of 4.00  
 ISC 23 21:31:55.1:27,77.98N:0.04:7.66E:0.04,h0km,17km,  
 n153,az255/139,mb4.1/34,MS3.5/35,7C-2D,Svalbard  
 region

Code	Station Name	A°	AZ°	Phase	ID	Time	Res
KBS	Kingsbay	1.28	40	Op	ISC	21 32 19.8	-0.4
KBS	Kingsbay	1.28	40	Pn	Sb	21 32 35.1	-1.9
KBS	Kingsbay	1.28	40	Pn	Sb	21 32 19.8	-0.4
KBS	Kingsbay	1.28	40	Pn	Sb	21 32 19.7	-0.4
KBS	Kingsbay	1.28	40	Pn	Sb	21 32 19.6	-1.4
KBS	Kingsbay	1.28	40	Pn	Sb	21 32 19.7	-0.4
KBS	Kingsbay	1.28	40	Pn	Sb	21 32 35.2	-1.8
KBS	Kingsbay	1.28	40	Pn	Sb	21 32 19.8	-0.4
KBS	Kingsbay	1.28	40	Pn	Sb	21 32 32.3	-4.7
KBS	Kingsbay	1.28	40	Pn	Sb	21 32 19.7	-0.4
KBS	Kingsbay	1.28	40	Pn	Sb	21 32 35.5	-1.5
KBS	Kingsbay	1.28	40	Pn	Sb	21 32 20.6	-0.7
KBS	Kingsbay	1.28	40	Pn	Sb	21 32 36.7	-2.8
KBS	Kingsbay	1.28	40	Pn	Sb	21 32 20.4	-0.9
KBS	Kingsbay	1.28	40	Pn	Sb	21 32 34.7	-4.8
KBS	Kingsbay	1.28	40	Pn	Sb	21 32 20.6	-0.7
KBS	Kingsbay	1.28	40	Pn	Sb	21 32 35.4	-4.1
KBS	Kingsbay	1.28	40	Pn	Sb	21 32 20.6	-0.8
KBS	Kingsbay	1.28	40	Pn	Sb	21 32 35.3	-2.0
SPAO	Spitsbergen Ar	1.82	79	Pn	Pn	21 32 28.2	+0.6
SPAO	Spitsbergen Ar	1.82	79	Pn	Pn	21 32 50.7	-0.7
SPAO	Spitsbergen Ar	1.82	79	Pn	Pn	21 32 28.2	+0.6
SPAO	Spitsbergen Ar	1.82	79	Pn	Pn	21 32 50.7	-0.7
SPITS	Spitsbergen Ar	1.82	79	Pn	Pn	21 32 28.1	+0.6
SPITS	Spitsbergen Ar	1.82	79	Pn	Pn	21 32 28.1	+0.6
SPB2	Spitsbergen Ar	1.82	80	Pn	Pn	21 32 27.7	-1.9
HSPB	Hornsund (broa	1.98	116	Pn	Pn	21 32 50.4	-4.6
HSPB	Hornsund (broa	1.98	116	Pn	Pn	21 32 27.4	-2.3
HSPB	Hornsund (broa	1.98	116	Pn	Pn	21 32 48.0	-7.1
HSPB	Hornsund (broa	1.98	116	Pn	Pn	21 32 27.7	-1.9
HSPB	Hornsund (broa	1.98	116	Pn	Pn	21 32 50.4	
HOPEN	Hopen	4.11	102	Pn	Pn	21 32 57.9	-1.0
HOPEN	Hopen	4.11	102	Pn	Pn	21 32 48.4	-4.9
HOPEN	Hopen	4.11	102	Pn	Pn	21 33 42.6	-4.9
HOPEN	Hopen	4.11	102	Pn	Pn	21 33 42.6	-4.9
HOPEN	Hopen	4.11	102	Pn	Pn	21 32 57.8	-1.2
HOPEN	Hopen	4.11	102	Pn	Pn	21 33 41.8	-5.8
BJO1	Bjornoya	4.41	137	Pn	Pn	21 33 01.8	-1.3
BJO1	Bjornoya	4.41	137	Pn	Pn	21 33 49.9	-5.1
BJO1	Bjornoya	4.41	137	Pn	Pn	21 33 01.9	-1.3
BJO1	Bjornoya	4.41	137	Pn	Pn	21 33 49.3	-5.7
BJO1	Bjornoya	4.41	137	Pn	Pn	21 33 55.1	
NOR	Nord	5.59	322	Pn	Pn	21 33 16.4	-2.9
NOR	Nord	5.59	322	Pn	Pn	21 34 17.1	-6.9
NOR	Nord	5.59	322	Pn	Pn	21 33 16.3	-2.9
NOR	Nord	5.59	322	Pn	Pn	21 34 17.1	-6.9
NOR	Nord	5.59	322	Pn	Pn	21 34 20.2	
NOR	Nord	5.59	322	Pn	Pn	21 33 16.5	-2.8
NOR	Nord	5.59	322	Pn	Pn	21 34 17.4	-6.7
NOR	Nord	5.59	322	Pn	Pn	21 34 20.2	
DAG	Danmarks Havn	5.86	271	iP	Pn	21 33 18.4	-4.6
DAG	Danmarks Havn	5.86	271	iP	Pn	21 34 18.6	-1.2
DAG	Danmarks Havn	5.86	271	iP	Pn	21 34 22.9	
DAG	Danmarks Havn	5.86	271	iP	Pn	21 33 18.4	-4.6
DAG	Danmarks Havn	5.86	271	iP	Pn	21 34 20.1	-1.1
DAG	Danmarks Havn	5.86	271	iP	Pn	21 34 22.9	
DBG	Daneborg	7.56	255	Pn	Pn	21 33 41.5	-4.7
DBG	Daneborg	7.56	255	Pn	Pn	21 34 58.6	-1.4
DBG	Daneborg	7.56	255	Pn	Pn	21 33 41.5	-4.8
DBG	Daneborg	7.56	255	Pn	Pn	21 34 58.5	-1.4
DBG	Daneborg	7.56	255	Pn	Pn	21 35 04.4	
DBG	Daneborg	7.56	255	Pn	Pn	21 33 41.5	-4.8
ZF12	Zemlya Franca-	7.74	50	eP	Pn	21 33 49.0	+0.3
ZF12	Zemlya Franca-	7.74	50	eP	Pn	21 35 05.9	-7.4
OMEGA	Omega	7.76	50	eS	Pn	21 33 49.1	+0.2
OMEGA	Omega	7.76	50	eS	Pn	21 35 10.2	-7.0
JNE	Jan Mayen East	8.18	219	eP	Pn	21 33 49.8	-4.9
JMJC	Jan Mayen	8.21	220	eP	Pn	21 33 51.2	-3.9
JMJC	Jan Mayen	8.21	220	eP	Pn	21 33 50.9	-4.2
JMJC	Jan Mayen	8.29	220	eP	Pn	21 36 11.3	
JMI	Jan Mayen	8.29	220	eP	Pn	21 33 52.5	-3.8
JMI	Jan Mayen	8.29	220	eP	Pn	21 35 23.7	
HAMF	Hammerfest	8.51	142	eP	Pn	21 33 56.7	-2.5
HAMF	Hammerfest	8.51	142	eP	Pn	21 35 29.9	
TRO	Tromso	8.93	154	eP	Pn	21 34 01.4	-3.6
JETT	Jettan, Norway	9.15	151	Pn	Pn	21 34 05.8	-2.3
JETT	Jettan, Norway	9.15	151	Pn	Pn	21 34 05.8	-2.3
ARAO	ARCESS Array S	9.77	141	Pn	Pn	21 34 14.5	

Table with columns: Code, Station Name, Time, Res, and various parameters. Includes stations like MKAR Makanchi Array, KK31 Karatay Array, ULM Ala Arch, GEYT Alibeck, etc.

DJA 23 21:40:02.1±0.4, 2°N, 4°12'6"E, h10km, M4.8/12, mb4.9/10, mB5.2/5, MLV4.8/12, Mw(MB)4.6/5
NEIC 23 21:40:06.5±0.2, 1.87N, 0.06±125.59E±0.07, h56km±7km, mb4.6/5.1, Error ellipse: s-maj=10.8km s-min=9.0km az=75.0

IDC 23 21:40:06.3±2.1, 1.85N, 125.23E, h59km, 19km, mb4.0/19, mbtmp4.3/21, MS3.77, Error ellipse: s-maj=26.5km s-min=9.3km az=78.0

ISC 23 21:40:04.7±0.3, 1.86N, 0.04±125.47E±0.06, h41km, n141, r=131/140, mb4.5/5.1, MS3.5/4.1C, Northern Molokai Sea

Table with columns: Code, Station Name, Time, Res, and various parameters. Includes stations like SGSI Sangihe, KMSI Cibinong, TNOT Ternate, etc.

Table with columns: Code, Station Name, Time, Res, and various parameters. Includes stations like WB2 Warramunga Arr, WR0 Warramunga Arr, MWB Marble Bar, etc.

Table with columns: Code, Station Name, Time, Res, and various parameters. Includes stations like KURBB Kurchatov Arr, KURK Kurchatov, TIXI Tiksi, etc.

IDC 23 21:42:44.7±53.0, 16°24S-176°78W, h0km, mb4.0/3, mbtmp4.0/3, Error ellipse: s-maj=982.4km s-min=172.1km az=78.0, Fiji Islands region

Table with columns: Code, Station Name, Time, Res, and various parameters. Includes stations like STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, etc.

SJA 23 22:05:22.1±0.6, 28°28S-71°78W, h44km, 11km, ML3.5, MW3.5
GUC 23 22:05:26.5±1.7, 28°44S-71°36W, h43km, 2km, ML3.5
ISC 23 22:05:22.5±1.7, 28°05S-03°03E-71°180W±0.06, h25km±14km, n35, ±250/66, 4C±20, Near coast of central Chile

Table with columns: Code, Station Name, Time, Res, and various parameters. Includes stations like AC04 Llanos de Chal, AC04 Llanos de Chal, LCO Las Campanas, etc.

23d 23h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Maricunga, Combarbal, GUANDACOL, Cerro Coronel, etc.

IDC 23 22:08:39.5±0.6, 2°29N, 72°93W, h114km, 26km, mb3.1/6, mbmp3.5/6, Error ellipse: s-maj=38.5km s-min=25.8km az=96.0

RSNC 23 22:08:45.2±0.6, 1°N, 1°7'41W, h115km, 1km, M3.2, ML3.1

ISC 23 22:08:43.0±0.8, 6.36N, 0°03.73'57W, 0.03, h124km, 5km, n42, c154/72, mb3.2/6, Northern Colombia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like El Carmen, Barichara, La Rusia, etc.

IDC 23 22:09:15.2±0.9, 13°42N, 119°96E, h0km, mb3.8/8, mbmp3.9/8, MS3.1/2, Error ellipse: s-maj=17.5km s-min=13.2km az=144.0

ISC 23 22:09:17.5±1.0, 13°5N, 0°1'120'E, 0.1, h16km, n11, c090/9, mb3.9/7, Mindoro

2018 APR

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Tagaytay City, Davao City (W), Chiang Mai Arr, etc.

IDC 23 22:28:38.5±2.3, 32°11'N, 48°55'E, h0km, mb3.9/4, mbmp3.7/6, ML3.3/2, MS2.9/1, Error ellipse: s-maj=52.8km s-min=27.3km az=156.0

TEH 23 22:28:39.7, 32°08'N, 48°56'E, h11km, 34km, ML3.4

ISC 23 22:28:40.9±0.8, 4.26N, 0°06'48.53E, 0.06, h10km, n45, c14/44, mb3.7/4, Western Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Ahwaz, Katar-mosallam, Doab, etc.

IDC 23 22:29:49.1±2.4, 15°63'S, 173°03'W, h0km, mb3.7/6, mbmp3.7/6, Error ellipse: s-maj=147.2km s-min=23.4km az=144.0, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WAKE ISLAND Hy, WAKE ISLAND Hy, etc.

ISC 23 22:32:47.3±1.0, 45°26'N, 0°03.1439E, 0.03, h6km, 10km, n13, c074/20, 2D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Rijeka, Knezji Dol, etc.

1506

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Brijuni, Rab, Novaja, etc.

IDC 23 23:06:43.8±1.8, 21°46'S, 178°94W, h575km, 21km, mb3.3/13, mbmp4.3/15, Error ellipse: s-maj=17.6km s-min=12.2km az=151.0

NEIC 23 23:06:44.0±1.7, 21°45'S, 0°2'178.9W, 0.2, h580km, 8km, mb4.3/43, Error ellipse: s-maj=25.9km s-min=20.4km az=147.0

ISC 23 23:06:45.4±0.5, 21°52'S, 0°09'178.98W, 0.10, h602km, n116, c084/110, mb4.2/36, Fiji Islands region

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

Table with columns: I30M, H29M, G31M, MKASR, BVAR, SPITS, ARCES, FINES, NB2, NOA, HFS, AKASG, AKASG, AKB, SUW, KIEV, EKA, BRTR, MMAI, OSTC, DPC, DPC, CLC, CLL, KRLC, MORC, BRG, BRG, PRA, VRAC, PRU, JAVC, ZVIC, KHC, CKRC, GERES, CONA, RONA, MOA, ARSA, BIOA, SOKA, LESA, KBA, WTTA, MYKA, MOTA, AQTA, SBTA, FETA

Code Station Name Az Phase ID Time Res h m s ISC

Table with columns: WRA, ASAR, H1S3, H1S2, H1S1, H1N1, H1N3, H1N2, ILAR

Code Station Name Az Phase ID Time Res h m s ISC

Table with columns: WRA, ASAR, DAV, JHJ, CMAR, PETK, ILAR, AKTO, YKA, TORD

Code Station Name Az Phase ID Time Res h m s ISC

GCMT 23:23:18.53.0.2,2.97S;0.01;147.51E:0.01,h12km, MMV5.0/124, Moment Tensor Solution, s44, c54; s124,c188; Duration: 0 Moment tensor: Scalar 1016Nm; Mm-0.04;0.08; Mm-1.67;0.17; Mm-1.63;0.8; Mm0.03;±0.2; Mm-2.79;±0.6; Mm-0.58;±0.1; Best double couple; Mw3.29400x10^16 NP1;±195.00000;δ88.00000; λ-170.00000; NP2;±105.00000;δ80.00000; λ-2.00000. Principal axes: T 3.2920, P1g5.0000, Azm330.0000; N 0.0070, Plg80.0000, Azm208.0000; P -3.2960, Plg9.0000, Azm61.0000; nstai refers to body waves, cutoff=40s. nstaz6 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 23:23:18.49.7.0.4,3.10S;0.04;147.65E:0.07,h10km,n199, ±136/179,mb4.9,92M,57.25,3C,Bismarck Sea

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

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

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

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

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

23d 23h

Table with columns for station name, time, and other identifiers. Includes stations like PMR, C19K, F20K, KTH, D19K, IMAR, BPAW, SML, MLY, RND, B20K, KLU, BTK, WRH, B21K, CCB, E22K, D22K, IL31, ILAR, NRIK, NRIK, K31K, B22K, SIMJ, J25K, F24K, C23K, D24K, M27K, J26L, BCAR, K27K, BMAR, D25K, BVAR, EGAK, BRVK, F28M, D27M, E28M, G29M, J30M, GSPA, EPYK, G30M, HRA, G31M, A36M, AFDM, PINE, LTY, CMB, MPK, PNTR, BCW, WAKR, PAHR, B05A, YERR, G08A, D08A, RYN, LHV, NVAR, E09A, NV11, KVN, BRLDA, BMO, F10A, MZP, YKA.

2018 APR

Table with columns for station name, time, and other identifiers. Includes stations like YKA, RES, OSTC, DPC, UPC, PVCC, PRU, PRA, CLL, CLL, CLL, HSKC, CKRC, NKC, KHC, KPUC, TORD, PMG, WRA, ASAR, H11S, H11S2, H11S1, H11N1, H11N3, H11N2, CMAR, PETK, SONM, VVDA, MKAR, ILAR, NRIK, BVAR, YKA, TORD, RSN, NEIC, ISC, BARC, BARC, PAMC, RUSC, RUSC, PTBC, TAMC, OCAC, SPBC, ZARC, ZARC, FARG, NORC, NORC, ROSC, ROSC, ROSC, UREC, UREC, WILC, WILC, PTGC, PTGC, RECR, RECR, NIZA, NIZA, DBBC, DBBC, ARGC, ARGC, SDV, SDV, SDV, SDV, SDV, SDV, SDV, SDV, ANIL, ANIL.

1508

Table with columns for station name, time, and other identifiers. Includes stations like ORTEGA, APARTADO, SAN JOS DEL P, SAN JACINTO, LA URIBE, LOS CROBES, CERREJON, SAN JOSE DEL G, SANTA MARTA, CAPURGANA, PIZAZO, PUNTA ARDITA, MACCARENA, META, BETANIA, JAMUNDI, BAHIA MALAGA, GARZON, EL BAUL, POPAYAN, FLORENCIA, GORGONA, ARUBA, HATO, HATO, GCUF, AZUERO, PUERTO LA CRUZ, LUCHA, POCOOL, MOUNT DENHAM, JTS, APG, TX31, TXAR, TXAR, ULM, PDAR, SCHOF, SCHOF, NVAR, YKA, SUMG, SUMG, A36M, A36M, G31M, G31M, MKAR, ASAR, WRA, TAP, JMA, ISC, Code, Station Name, A, Z, Phase ID, Time, Res, ISC.

1509

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Nioudou, Datong, Datong Townshi, etc.

2018 APR

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Yuchr, Yuli, Chenggong, etc.

23d 23h

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Warramunga Arr, Alice Springs, etc.

24d Oh

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, MKAR Makanchi Array, KURBB Kurchatov Arra, etc.

IDC 23 23:54:30.6 ± 1.0, 52° 16'N, 170° 94'W, h0km, mb3.8/18, mbmp3.8/21, ML3.4/3, Error ellipse: s-maj=28.5km s-min=15.6km az=1.0

NEIC 23 23:54:40.2 ± 0.9, 53° 4'N, 0° 4'W, 167.2W, h0km, mb4.7km, ML2.7(AEIC), Error ellipse: s-maj=29.1km s-min=3.1km az=150.0

AEIC 23 23:54:39.0 ± 1.2, 53° 5'N, 0° 3'W, 167.3W, h0km, mb4.7km, Error ellipse: s-maj=47.0km s-min=4.0km az=146.0, Fox Islands

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations including MAPS Pakushin South, OKFC Magazine Ridge, etc.

MED\_RC 24 00:34:28.0 ± 0.2, 37° 55'N, 38° 52'E, h10km, MW5.1/42, Moment Tensor Solution, Body waves: s2 c2/Mantle waves: s42 c83; Duration: 15s Moment tensor: Scale 10^16Nm; Mw=0.04 ± 0.10, Mb=5.05 ± 0.09, Ms=5.01 ± 0.08; Mw=4.00 ± 3.00; Mb=2.02 ± 0.07; Ms=9.00 ± 3.00; Best double couple: Mo=6.520000° 1016° NP1, 3211.000000°, 862.000000°, λ=22.000000°. NP2: 308.000000°, 869.000000°, λ=161.000000°. Principal axes: T 5.4000, Plg2.0000°, Azm260.0000°, N 2.2300, Plg6.0000°, Azm353.0000°, P -7.6300, Plg28.0000°, Azm169.0000°, nst2 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=35s

6.2571, Plg25.0000°, Azm65.0000°; N 1.5513, Plg45.0000°, Azm306.0000°; P -7.8083, Plg34.0000°, Azm173.000000°; NEIC 24 00:34:31.3 ± 0.7, 37° 61'N, 38° 50'E, h12km, mb5.1/217, Mw=5.2/30, Mww=5.2/12, Error ellipse: s-maj=8.8km s-min=7.8km az=199.0, Moment Tensor Solution. Moment tensor: Scale 10^16Nm; Mw=0.00; Mb=6.92; Ms=6.93; Mw=3.71; Mw=3.72; Mw=0.83; Fault plane solution: Mb=73000° 1016° NP1, 303.010000°, 875.210000°, λ=163.460000°. NP2: 208.670000°, 874.020000°, λ=15.400000°. Principal axes: T 7.8615, Plg1.0000°, Azm76.0000°, N 1.5356, Plg68.0000°, Azm344.0000°, P -9.3971, Plg22.0000°, Azm166.0000°; GCMT 24 00:34:31.2 ± 0.1, 37° 55'N, 0° 0'W, 167.35E, h10km, MW5.2/133, Moment Tensor Solution. s73 c89; s133 c258; Duration: 0 Moment tensor: Scale 10^16Nm; Mw=0.04 ± 0.11; Mb=5.67 ± 1.2; Ms=5.64 ± 1.2; Mw=3.00 ± 3.5; Mw=2.46 ± 0.9; Mw=1.26 ± 2.9; Best double couple: Mo=959000° 1016° NP1, 304.000000°, 887.000000°, λ=153.000000°. NP2: 212.000000°, 863.000000°, λ=3.000000°. Principal axes: T 6.7080, Plg17.0000°, Azm75.0000°, N 0.5070, Plg63.0000°, Azm309.0000°; P -7.2100, Plg21.0000°, Azm110.0000°, nst2 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NEIC 24 00:34:31.2 ± 0.6, 37° 55'N, 0° 0'W, 167.35E, h10km, MW5.4, confirmed MCSM 24 00:34:33.8 ± 2.6, 38° 18'N, 3° 39'E, h13km, mb4.9, mb5.1, MLv5.4, Mw(MB)4.5 BGR 24 00:34:36.9 ± 37° 33'N, 37° 56'E, h33km, mb4.8, Ms4.2 NAO 24 00:34:46.0 ± 37° 36'N, 38° 55'E, h33km, mb4.7 ISC 24 00:34:30.9 ± 0.7, 37° 59'N, 0° 0'W, 167.35E, h11km, mb4.9, mb5.1, f132/1197, mb5.0/219, MS4.6/97, 44C-44D, Turkey

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations including ATAB Bozova, URFA Urfa, HANM anIurfa/Hi, etc.

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations including SARI ilic-Erzincan, ILIC, CUKAN kangal\_SIVAS, etc.



1511

Table with columns: Station, Name, Time, Frequency, Mode, and other technical details. Includes stations like SOCI, SALP, UJAP, etc.

2018 APR

Table with columns: Station, Name, Time, Frequency, Mode, and other technical details. Includes stations like ELND, IZVR, RZRN, etc.

24d 0h

Table with columns: Station, Name, Time, Frequency, Mode, and other technical details. Includes stations like BBSL, SOTE, SACTE, etc.



Table with columns: Station ID, Name, SNR, Azimuth, Elevation, Azimuth Error, Elevation Error, Frequency, and other parameters. Includes stations like SGDS, CHMS, KBK, CLF, NIL, HOMB, TKM2, etc.

Table with columns: Station ID, Name, SNR, Azimuth, Elevation, Azimuth Error, Elevation Error, Frequency, and other parameters. Includes stations like JETT, LOKD, ZSN, ZSN, MVO, MDT, ZALV, MTE, etc.

Table with columns: Station ID, Name, SNR, Azimuth, Elevation, Azimuth Error, Elevation Error, Frequency, and other parameters. Includes stations like TNCH, TengChong, TNCH, TNCH, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include M14K Bethel, SADO Sadowa, TGTN Hyland Airport, BINY Binghamton, M16K Timber Creek, M13K Dall Lake, M22K Willow, M15K Sawmill, SML Kasigluk River, SCM Sheep Creek Mo, M23K Glacier View, PMR Palmer, YUK3 Moose Creek, SUA Susitna One, N25K Chitina, Valde, N20K Mount Spurr, KNU Knik Glacier, KLN Klutina, N30M Aishikhi Lake, N16K Nishik Lake, RCBR Riachuelo, MCARA McCarrhy VSAT, N18K Kilae Creek, N18K Kilae Creek, N19K Bonanza Creek, N32M Quiet Lake, N17K Nushagak Hills, YUK4 Talbot Arm, N15K Kwehluk River, N14K Kusokwak Cree, RC01 Rabbit Creek A, KOTAN Kotanelee Air, BMRM Bremner River, GLI Glacier Island, YUK6 Outpost Mounta, CTG Chitna Glacier, HYT Haines Junctio, O28M Mount Upton, FFC Flin Flin, FFC Flin Flin, CRQE Cirque, SHEK Shemya Is, Ala, O17K Kigilagan Bris, EYAK Cordova Ski Ar, O16K Kokwak River B, O18K Koktuk Hills, P33M Teslin, Yukon, O15K Ungaliuk R, P17K Kvichak River, KAIM Kayak Island, P32M Atlin, TOAD Toad River Com, R33M Jennings River, P29M Windy Craggy, SKAG Skagway, E43A Lone Tree Farm, PLBC Pleasant Camp, DAV Davao City (W), M53A WI Miller and, ULM Lac du Bonnet, ULM Lac du Bonnet, ULM Lac du Bonnet, ULM, JCJ Chichijima, DLBC Dease Lake, EYMN Ely, EYMN Ely, R32K Eaglecrest, COWI Conover, B35A Bob, Littlefor, KDAK Kodiak Island, E38A The Farm, Brul, AGMN Agassiz Nation, AGMN Agassiz Nation, G40A Rib Lake, F36A Milaca, SPNM Marine on St, P49A Miami Univ, Ec, JFW5 Jewell Farm, F33A 5 Mile Ranch, HDIL Hopedale, ECSD EROS Data Cent, TKL Tuckaleechee C.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include BBB Bella Bella, EGMT Eagleton, EGMT Eagleton, LAO LASA Array, CGM3 Cape Girardeau, P38A Dawn, K30B Bassett, CCM Cathedral Cave, CCM Cathedral Cave, CCM Cathedral Cave, NEW Newport, NEW Newport, NEW Newport, LYMT Lyon Mountain, RSSD Black Hills, RSSD Black Hills, RSSD Black Hills, R40A Maddies Statio, OVMT Ovando, PBMO Poplar Bluff, MISO Missoula, CO9A Chrisman Ranch, TIGA Titton, BPMT Black Pine Rid, GNAR Gosnell, RLMT Red Lodge, MGMO Mountain Grove, S39A Bolivar, BOZ Bozeman (W), BOZ Bozeman (W), BOZ Bozeman (W), KSU1 Kansas State U, KSU1 Kansas State U, LRAL Lakeview Retre, YHH Holmes Hill, YNR Norris Junctio, JANB Januria, GNW Green Mountain, H17A Grant Hill, F10A Beach Ranch, K22A Casper, K22A Casper, MXC Moxie City, GUMO Guam, U38A Gravette, PHWY Pilot Hill, PDAR Pinedale Array, PDAR Pinedale Array, BMO Blue Mountains, N23A Red Feather La, MIAR Mount Ida, MIAR Mount Ida, MFID Camas Ranch, ISCO Idaho Springs, HWUT Hardware Ranch, BDBF Brasilia, HVU Hinsel Valley, O20A White River Ci, RDMU Red Mountain, WMOK Wichita Mounta, WMOK Wichita Mounta, DUG Dugway, Tooele, ELK Elko, YBH Yreka Blue Hor, R11B Troy Canyon, ANMO Albuquerque, CCUT Cedar City, Y22F Pascual Instru, MNXT Cornudas Mount, BELA Belgrano 2, PLCA Paso Flores, GO06 Curarrehue, GSPA South Pole Qui, DZM Mont Dzumac, LTZ Lake Taylor, TAOE Nuku Hiva Isla, PPT2 Papeete, PPT2 Papeete, TBI Tubuai, TBI Tubuai.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include ISC 24 00:54:03.61, 0.1, 39.47N, 0.03, 20.36E, IGT Igoumenitsa, IGT Igoumenitsa, IGT Igoumenitsa, JAN Janina, JAN Janina, KASA Kasiopli, SRN Sarande, SRN Sarande, TSLSK Tsoukalades, L, LSK Leskovik, NYDR Nydri-Lefkada, DRAG Dragano-Lefkad, EVGI Lefkada island, KPRO Kipourto, PVO Pivo, THL Klokotos Trika, MAKR Makrakomoi, FNA Florina, FNA Florina, SCTE Santa Cesarea, SCTE Santa Cesarea, IDC 24 00:58:00.4, 1.8, 6.86S, mbtm3.4/2, mbtm3.4/2, ML3.4/2, MS3.5/1, ASAR Alice Springs, TGy Tagay City, MKAR Maknanchi Array, KURBB Kurchatov Arra, IQG 24 00:58:42.2, 0.5, 0.0, RSNC 24 00:58:44.6, 1.1, 0.0, NEIC 24 00:58:47.6, 2.3, 0.24S, NEIC 24 00:58:47.6, 2.3, 0.24S, IDC 24 00:58:43.9, 0.4, 0.22S, PEV Mancha de Ca P, APOZ Ecuador-Portov, ELAR El Aromo, ELAR Acelerografo, AQUE Quevedo, AQUE Quevedo, ASDO Santo Domingo, AMA1 Acelerografo, AES2 Ecuador-Puerto, APR2 Miller, PAC1 Pacto, Paraso, PAC1 Pacto, Paraso, ILLI Ilinizas Sur, TOAZA Toaza-Volcan, APR1 Acelerografo, PINO Pino, TERV Terraza Guagua, GGPC Guagua Pichin, PAST Pastocalle, YANA Yana, PULU Pululaha, PULU Pululaha, PAMI Rancho Maria, SUCR Mariscal Sucre, SWLR Santa Alexandra, SLOR San Lorenzo, SLOR San Lorenzo, CHSH Refugio Sur-Vo, CHSH Refugio Sur-Vo, TOMA Boca Toma-Vo, GPTT GPTT, BRRN Barrancas-Vo, BMOR Cotopaxi Volca, BREF Cotopaxi Volca, PORT Chimborazo Vol, AV11 Acelerografo, BVCT Cotopaxi Volca, VC1 Cotopaxi 1, BTAM Cotopaxi Volca, CUSE Cuicocha Este, CUSE Cuicocha Este, TAMH Tambohuasha Ch, TAMB Tambo, VCES Cotopaxi, CUCO Cuicocha-Domo, COCA Cotacachi, ANTM Antisana-La Mi, JRTU JRTU, ANTS Antisana-Sarah, ANTI Antisana, IMBA Imbabura, San, IMBA Imbabura, San, UJUE Juive, TUYU Q. Yuibug Volc, BMAS Trigal station, BRUN Tungurahua Vol.

TIR 24 00:54:03.5, 39.48N, 20.37E, h9km, Md 9  
ATH 24 00:54:04.0, 39.46N, 20.35E, h8km, 2km, ML 1.8/2, Error ellipse: s-maj=2.5km s-min=0.9km az=326.0

24d 1h

Table with columns: ARRY, BULB, AIB2, YAHU, CAYR, ANGU, CAYA, LNLG, TUMC, TUMC, TUMC, ECEH, CHL1, CHL2, PUYO, TULM, TULM, TULM, CMBC, CMBC, CASC, ARNL, ARNL, GRUF, GRUC, GR1C, GONZ, JOPC, JAMC, FLOC, FLOC, MALC, GARC, PTLG, PTLG, BETC, PLMC, ORTO, ANIL, URMC, MACC, ATAH, ATAH, ATAH, ROSC, ROSC, ROSC, NORC, VILC, DBSC, SPBC, APAC, PTBC, UREC, RUSIA, PAYG, BARC, CZSB, TBTG, JTS, NNA, NNA, NNA, SDV, SDV, SDV, BAUV, BAUV, TGUH, TGUH, AU1A, MTO3, ETMB, ESQI, ESQI, PAMV, PAMV, SAML, MACA, MACA, LPAZ, BOAV, TEIG, TEIG, TEIG, CMIG, GPCR, SIV, SIV, PTLB, AADB, AADB, HNDH, HNDH, BDFB, JCT, JCT, BRDY, X40A, SAND, TXAR, TXAR, TX31, PLPT, ABTX, ABTX, LCAR, LCAR, SGCY, SGCY, FCAR, ALPN, ALPN, WFTS, WFTS, MNHN, MNHN

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Table with columns: PBMO, PBMO, SN05, SN05, APMT, APMT, ITAB, CGM3, CGM3, SN07, SN07, W35A, W35A, HHAR, RPN, RPN, R61A, Willards, VHRN, VHRN, RLO, RLO, WMOK, Wicketta, DKNS, DKNS, OK031, S. Brethren Rd, OK031, OK052, Battle Ridge R, OK052, FVM, French Village, S39A, Bolivar, SMWD, Samnorwood, IMSTX, Muleshoe, AMTX, Amarillo, AMTX, ELIS, Ellis County, PLCA, Paso Flores, PLCA, PLCA, KSU1, RTBA, RTBA, ANMO, Albuquerque, ANMO, ANMO, T25A, Trinidad, T25A, SDCO, Great Sand Dunes, SDCO, X16A, Lo Mis Camp, P, MVCO, Mesa Verde, 113A, Mohawk Valley, I37A, Lemond, Waseca, I37A, WUAZ, Wupatki, WUAZ, E43A, Lone Tree Farm, U15A, North Rim, U15A, W13A, Hualapai Moun, W13A, HAL, Halifax, HMU, Henry Mountain, PKCU, Pink Cliffs, PKCU, V12A, Nelson, SZCU, Shurtz Canyon, P17A, Butcher Ranch, P17A, CCUT, Cedar City, CCUT, MPU, Maple Canyon, MPU, PDAR, Pinedale Array, R11B, Troy Canyon, Q12A, Willow Creek R, Q12A, HWUT, Hardware Ranch, HWUT, ISA, Isabella, Lake, BCW, Bitter Crk WRG, GMIN, Gln Mountain, BGU, Big Grass Mtn, ELK, Elko, NVAR, Mina Array Bea, NVAR, LHV, Little Huntuon, LHV, ULM, Lac du Bonnet, ULM, KVN, Kaiserville, BMN, Battle Mountain, BMN, WAKR, Walker, WAKR, HLD, Hailey, BLOZ, Bozeman (W), WYOR, Wild Horse Val, LYMT, Lyon Mountain, I07A, Izeze, J05D, Fort Rock, OR, J05D, G08A, Pilot Rock, G08A, PINE, Pine Mountain, FFC, Flin Flon, FFC, BRDA, Berland Lookout, YKLA, Yellowknife Ar, DBIC, Dimboko, DBIC, J30M, Hart River, K29M, Barlow Dome, K29M

1516

Table with columns: I30M, Mount Dempster, F31M, Tsigehtich, F31M, INK, Inuvik, I28M, Miner Creek, G29M, Pine Creek, G29M, EGAK, Eagle, E29M, Blow River, E29M, E28M, Babbage River, E28M, ESDC, Sonseca Array, ESDC, E27K, Coleen River, E27K, IAR, Eielson Array, IAR, SKT, Castle Rocks, CAST, CAST, M20K, Styx River, TOAO, Torodi Ar. Sit, TOAO, TORD, Torodi Ar. Bea, TORD, M19K, Iditarod, J20K, Nowinta River, J20K, IMAR, Indian Mountain, G21K, Allakaket, TTA, Talalina, TTA, J19K, Poorman, L18K, Granite Mouna, L18K, DAG, Danmarks Havn, CEST, Esterri de Car, CEST, K17K, Honhosa River, H18K, Honhosa River, QSPA, South Pole Qui, QSPA, South Pole Qui, QSPA, South Pole Qui, GSPA, South Pole Qui, VAO, Alice Springs, WRA, Warramunga Ar, SJA 24 01:00:48.5-0.7, 21:09S:68:53W, h145km,4km, ML4.3, MW4.0, IDC 24 01:00:49.9-0.8, 21:10S:68:28W, h122km,9km, mb3.6/4, mb19m/1.9, Error ellipse: s-maj=22.4km s-min=9.8km az=103.0, VAO 24 01:00:49.5-0.5, 20:90S:68:38W, h107km, mb4.4, NEIC 24 01:00:50.1-1.7, 21:11S:0.04:68:57W, 0.07, h135km,5km, mb4.4/15, Error ellipse: s-maj=8.8km s-min=6.3km GUC 24 01:00:50.6-0.6, 21:10S:68:49W, h131km,4km, ML4.2, ISC 24 01:00:49.8-0.6, 21:09S:0.03:68:48W, 0.05, h132km,6km, h124, s1932/151, mb4.2/7, 3C-3D, Chile-Bolivia border

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for Diego Aracena, IPOC Station P, and various other stations.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for Pines Island, Ouen Island, Nonsavu, and various other stations.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for Greta Valley S, Quartz Range, and various other stations.

24d 1h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, and various parameters. Includes stations like SHLS Shalkode, SHLS Batken, MK31 Makanchi Array, etc.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, and various parameters. Includes stations like SHLS Shalkode, SHLS Batken, MK31 Makanchi Array, etc.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, and various parameters. Includes stations like LIMO3 Limones, PTPM Petroterminale, PEDE3 Pedregal, etc.

SOME 24 01:20:21.5, 41.58N: 81.17E, h30km
NVC 24 01:20:23.9, 2.1, 41.73N: 81.02E, h0km, mb3.7, mpv3.4,
Error ellipse: s-maj=14.7km, s-min=1.8, 1km az=8.7, 1km el=1.8
ISC 24 01:20:24.5, 3.1, 41.61N: 81.18E: 0.09, h27km, 17km,
n37, c190/58, 3C-2D, Southern Xinjiang



Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like PRVC Isla de Provid, MTO3 Montercisto, RASC La Rusia, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, GSPA South Pole Qui, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like EVIV Font Roja, EVIV Font Roja, EVIV Font Roja, etc.

IDC 24 01:32:06.7±2.4, 30.835x179.54W, h361km, 20km, mb2.8/3, mb1mp3.9/5, Error ellipse: s-maj=29.8km s-min=23.5km az=72.0

ISC 24 01:32:05.2±0.8, 30.695x179.6W, 0.1, h350km, n51, r=190/71, mb3.0/3, Kermaedde Islands region

BER 24 01:45:35.1±2.1, 73.25N-6.53E, h10km, mb(Pn)3.7, Confirmed Earthquake, Greenland Sea

LDG 24 01:53:08.7±0.1, 37.85N-3.25W, h10km, M3.5/5, Error ellipse: s-maj=2.2km s-min=1.9km az=148.0

MDD 24 01:53:09.1±0.1, 37.85N-3.24W, h12km, mb\_Lg3.6/8.5, Error ellipse: s-maj=1.2km s-min=1.0km az=159.0

IGL 24 01:53:09.0±0.1, 37.87N-3.24W, h8km, ML2.3, Error ellipse: s-maj=2.1km s-min=1.7km az=176.0

INMG 24 01:53:10.1±0.1, 37.86N-3.26W, h14km, 9km, ML3.3, Error ellipse: s-maj=2.1km s-min=1.7km az=176.0

SFS 24 01:53:10.1±0.1, 37.86N-3.26W, h21km, ML3.5/20, ML3.7/16, ML3.4/20

ISC 24 01:53:08.1±0.8, 37.89N-0.01x3.25W, 0.01, h15km, 6km, n105, e2817/252, 3C-5D, Spain

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like GLKZ Green Lake, GRZ Great Barrier, MXZ Matakaoa Point, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like E001 Adamuz, E001 Adamuz, E001 Adamuz, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like PVAQ Vaqueiros, PVAQ Vaqueiros, PVAQ Vaqueiros, etc.



Table with columns: TEIG, Topich, 7.68 357 P, Pn, 02 31 43.7 +2.1, etc. Lists various locations and their associated data.

Table with columns: LRAL, Lakeview Retre, 20.44 2 P, P, 02 34 26.0 +0.9, etc. Lists various locations and their associated data.

Table with columns: BG3, Lake Jocassee, 22.81 10 P, P, 02 34 50.8 +0.3, etc. Lists various locations and their associated data.

24d 2h

Table with columns: WCI, Wyandotte Cave, 25.64, 3, P, P, 02 35 17.0 +0.3, 02 35 39.2, 02 35 16.9 +0.3, 02 35 17.0 +0.3, 25.77, 78, IAMS\_20, IAMS\_20, 02 44 40.0, 25.78, 5, IAMS\_20, IAMS\_20, 02 35 34.1, 25.81, 339, IAMB, IAMB, 02 35 45.3, 25.85, 6, IAMB, IAMB, 02 35 42.0, 25.92, 79, IAMS\_20, IAMS\_20, 02 44 22.1, 25.92, 91, eP, P, 02 35 14.1 -5.4, 25.93, 341, IAMB, IAMB, 02 36 00.0, 25.98, 82, IAMS\_20, IAMS\_20, 02 46 31.8, 25.99, 82, IAMS\_20, IAMS\_20, 02 46 44.1, 25.99, 341, IAMB, IAMB, 02 36 00.0, 26.01, 342, IAMB, IAMB, 02 35 42.5, 26.03, 19, IAMS\_20, IAMS\_20, 02 45 43.6, 26.05, 342, IAMB, IAMB, 02 35 43.0, 26.06, 83, IAMS\_20, IAMS\_20, 02 45 17.1, 26.10, 341, IAMB, IAMB, 02 36 02.6, 26.10, 356, IAMS\_20, IAMS\_20, 02 45 45.2, 26.11, 342, IAMB, IAMB, 02 35 43.0, 26.11, 359, IAMB, IAMB, 02 35 54.4, 26.16, 78, IAMS\_20, IAMS\_20, 02 44 51.3, 26.23, 342, IAMB, IAMB, 02 35 44.7, 26.24, 341, IAMB, IAMB, 02 35 44.8, 26.26, 82, IAMS\_20, IAMS\_20, 02 46 40.0, 26.27, 83, IAMS\_20, IAMS\_20, 02 47 03.4, 26.30, 358, IAMB, IAMB, 02 35 38.9, 26.35, 16, IAMB, IAMB, 02 35 51.3, 26.56, 14, IAMB, IAMB, 02 35 56.2, 26.66, 156, LR, LR, 02 44 55.5, 26.70, 8, IAMB, IAMB, 02 35 47.1, 26.85, 18, IAMB, IAMB, 02 35 45.3, 26.92, 4, IAMB, IAMB, 02 45 35.2, 27.05, 5, IAMB, IAMB, 02 36 09.0, 27.05, 5, P, P, 02 35 29.3 0.0, 27.07, 321, IAMB, IAMB, 02 36 02.9, 27.07, 321, P, P, 02 35 29.9 +0.1, 02 38 50.4 +0.6, 02 46 55.9, 27.18, 8, IAMB, IAMB, 02 35 53.3, 27.22, 306, IAMB, IAMB, 02 35 51.8, 27.22, 306, IAMS\_20, IAMS\_20, 02 47 19.5, 27.28, 317, P, P, 02 35 33.2 +1.5, 02 38 51.7 +1.3, 02 35 36.0, 27.46, 11, IAMB, IAMB, 02 35 51.4, 27.47, 10, IAMB, IAMB, 02 35 32.4 -0.8, 27.47, 350, IAMB, IAMB, 02 35 48.8, 27.54, 359, IAMS\_20, IAMS\_20, 02 47 49.3, 27.54, 359, IAMS\_20, IAMS\_20, 02 35 49.4, 27.54, 86, IAMS\_20, IAMS\_20, 02 47 31.1, 27.61, 345, IAMB, IAMB, 02 36 08.5, 27.61, 345, IAMS\_20, IAMS\_20, 02 48 31.8, 27.61, 345, P, P, 02 35 34.3 -0.1, 02 35 35.7 +0.8, 27.63, 324, P, P, 02 35 36.1 +1.3, 27.63, 324, P, P, 02 35 34.8 -0.7, 27.76, 1, IAMB, IAMB, 02 36 33.1, 27.76, 1, P, P, 02 35 34.8 -1.0, 27.93, 8, IAMB, IAMB, 02 35 53.9, 27.93, 8, P, P, 02 35 37.4 +0.1, 27.93, 13, P, P, 02 35 37.0 -0.3, 27.96, 358, IAMB, IAMB, 02 35 53.0, 27.96, 358, P, P, 02 35 37.2 -0.4, 27.99, 123, eP, P, 02 35 36.8 +0.7, 27.99, 10, IAMB, IAMB, 02 35 57.2, 28.01, 326, P, P, 02 35 39.3 +1.0, 28.01, 326, P, P, 02 35 39.3 +1.0, 28.01, 326, LR, LR, 02 48 54.2, 28.01, 326, eP, P, 02 35 40.1 +1.8, 28.21, 355, IAMB, IAMB, 02 35 54.9, 28.22, 16, IAMB, IAMB, 02 35 43.4, 28.23, 11, IAMB, IAMB, 02 35 44.6, 28.23, 11, P, P, 02 35 40.5 +0.6, 28.26, 340, IAMB, IAMB, 02 36 21.9, 28.26, 340, P, P, 02 35 40.6 +0.4, 28.32, 12, IAMB, IAMB, 02 35 45.2, 28.49, 18, IAMB, IAMB, 02 35 59.0, 28.49, 18, IAMB, IAMB, 02 36 25.8, 28.69, 332, IAMB, IAMB, 02 36 25.8, 28.69, 332, P, P, 02 35 44.9 +0.6, 28.69, 332, P, P, 02 35 44.9 +0.6

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Table with columns: N51A, Ashland, 28.69, 9, IAMS\_20, IAMS\_20, 02 47 11.0, 28.76, 360, IAMB, IAMB, 02 36 38.1, 28.82, 108, P, P, 02 35 42.8 -2.7, 28.86, 317, P, P, 02 35 46.9 +1.1, 28.86, 317, P, P, 02 38 53.3 -0.9, 28.86, 317, P, P, 02 35 46.4 +0.7, 28.98, 43, P, P, 02 35 48.2 +1.6, 28.98, 43, IAMS\_20, IAMS\_20, 02 45 52.3, 29.06, 348, IAMS\_20, IAMS\_20, 02 48 55.3, 29.08, 7, IAMB, IAMB, 02 36 07.7, 29.18, 18, IAMB, IAMB, 02 46 43.3, 29.18, 18, IAMB, IAMB, 02 36 05.5, 29.34, 16, P, P, 02 35 50.7 +1.0, 29.34, 16, P, P, 02 36 06.4, 29.34, 16, IAMS\_20, IAMS\_20, 02 47 05.2, 29.34, 16, P, P, 02 35 50.7 +1.0, 29.35, 19, IAMS\_20, IAMS\_20, 02 47 54.4, 29.36, 345, IAMS\_20, IAMS\_20, 02 49 46.3, 29.42, 2, IAMB, IAMB, 02 35 50.9, 29.42, 357, IAMB, IAMB, 02 36 05.7, 29.46, 5, IAMB, IAMB, 02 35 53.4, 29.48, 11, IAMB, IAMB, 02 36 21.3, 29.48, 11, P, P, 02 35 51.2 +0.2, 29.49, 336, IAMB, IAMB, 02 36 09.7, 29.49, 336, P, P, 02 35 49.3 -2.0, 29.55, 360, P, P, 02 35 49.7 -1.9, 29.66, 352, IAMB, IAMB, 02 36 08.4, 29.66, 352, P, P, 02 35 52.1 -0.5, 29.69, 331, IAMB, IAMB, 02 36 10.2, 29.69, 331, P, P, 02 35 53.8 +0.5, 29.79, 12, IAMB, IAMB, 02 36 12.4, 29.79, 12, IAMB, IAMB, 02 36 12.4, 29.85, 17, IAMB, IAMB, 02 35 59.3, 29.89, 6, IAMB, IAMB, 02 36 10.7, 29.89, 6, P, P, 02 35 54.2 -0.4, 29.91, 14, IAMB, IAMB, 02 36 46.9, 29.91, 14, IAMS\_20, IAMS\_20, 02 48 31.1, 30.01, 322, P, P, 02 35 55.7 -0.3, 30.03, 19, IAMB, IAMB, 02 35 59.1, 30.03, 19, IAMS\_20, IAMS\_20, 02 48 46.4, 30.04, 314, P, P, 02 35 55.8 -0.3, 30.17, 344, IAMS\_20, IAMS\_20, 02 50 22.8, 30.17, 344, P, P, 02 35 57.4 +0.1, 30.19, 16, IAMB, IAMB, 02 36 13.5, 30.27, 12, IAMB, IAMB, 02 36 17.6, 30.27, 12, IAMS\_20, IAMS\_20, 02 47 57.7, 30.27, 12, P, P, 02 35 58.0 0.0, 30.28, 347, IAMB, IAMB, 02 36 31.2, 30.28, 347, IAMS\_20, IAMS\_20, 02 49 22.5, 30.28, 313, P, P, 02 35 59.6 +1.4, 02 38 58.7 +1.0, 02 35 59.8, 30.36, 356, IAMB, IAMB, 02 36 14.2, 30.36, 356, IAMS\_20, IAMS\_20, 02 48 15.5, 30.36, 356, P, P, 02 35 57.6 -1.2, 30.48, 8, IAMB, IAMB, 02 36 16.7, 30.48, 8, IAMS\_20, IAMS\_20, 02 48 28.4, 30.51, 333, P, P, 02 36 01.5 +0.9, 30.60, 319, IAMS\_20, IAMS\_20, 02 50 14.7, 30.72, 4, IAMB, IAMB, 02 36 32.5, 30.72, 20, IAMB, IAMB, 02 36 20.6, 30.79, 18, IAMB, IAMB, 02 36 28.1, 30.79, 18, IAMS\_20, IAMS\_20, 02 48 08.3, 30.80, 327, IAMB, IAMB, 02 36 24.5, 30.80, 327, P, P, 02 36 04.5 +1.5, 30.83, 15, IAMB, IAMB, 02 36 20.0, 30.84, 13, IAMB, IAMB, 02 47 50.5, 30.84, 13, IAMS\_20, IAMS\_20, 02 46 20.0, 30.84, 13, IAMS\_20, IAMS\_20, 02 48 02.7, 30.86, 135, P, P, 02 36 02.7 -0.8, 30.86, 135, eP, P, 02 36 03.0 -0.5, 30.89, 21, IAMB, IAMB, 02 36 20.1, 30.89, 21, IAMS\_20, IAMS\_20, 02 49 34.9, 30.89, 21, P, P, 02 36 03.7 +0.3, 30.90, 20, IAMB, IAMB, 02 36 06.3, 30.95, 339, IAMB, IAMB, 02 36 40.2, 30.95, 339, P, P, 02 36 05.0 +0.9, 31.02, 118, P, P, 02 36 04.3 -1.5, 31.02, 118, IAMB, IAMB, 02 36 53.8, 31.02, 118, IAMS\_20, IAMS\_20, 02 49 18.2, 31.02, 118, eP, P, 02 36 03.4 -2.4, 31.16, 315, P, P, 02 36 07.4 +1.4, 31.16, 315, P, P, 02 39 01.2 +1.2, 31.16, 315, IAMB, IAMB, 02 36 23.7, 31.16, 315, IAMS\_20, IAMS\_20, 02 48 25.2, 31.27, 321, P, P, 02 36 08.6 +1.5, 31.31, 17, IAMB, IAMB, 02 36 24.5

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Table with columns: BINY, comp=Z,56nm,1.1s, IAMS\_20, IAMS\_20, 02 50 17.2, 31.31, 17, P, P, 02 36 07.5 +0.3, 31.40, 333, P, P, 02 36 09.5 +1.1, 31.52, 331, IAMB, IAMB, 02 36 26.4, 31.58, 18, IAMB, IAMB, 02 36 13.4, 31.58, 18, IAMS\_20, IAMS\_20, 02 49 03.4, 31.61, 7, IAMB, IAMB, 02 36 27.1, 31.65, 13, IAMB, IAMB, 02 36 13.1, 31.66, 16, IAMB, IAMB, 02 36 27.1, 31.66, 16, IAMS\_20, IAMS\_20, 02 49 24.4, 31.67, 21, IAMS\_20, IAMS\_20, 02 50 17.7, 31.76, 352, IAMB, IAMB, 02 36 28.1, 31.83, 14, IAMS\_20, IAMS\_20, 02 50 09.1, 31.84, 0, IAMB, IAMB, 02 36 26.9, 31.89, 311, IAMS\_20, IAMS\_20, 02 49 08.9, 31.91, 23, P, P, 02 36 13.8 +1.4, 32.02, 348, IAMS\_20, IAMS\_20, 02 50 11.6, 32.02, 348, P, P, 02 36 12.6 -0.8, 32.06, 314, P, P, 02 36 15.0 +1.0, 32.08, 15, IAMS\_20, IAMS\_20, 02 49 39.5, 32.24, 315, P, P, 02 36 15.7 +0.3, 32.30, 317, P, P, 02 36 17.4 +1.4, 32.31, 4, IAMB, IAMB, 02 36 31.1, 32.31, 4, P, P, 02 36 14.7 -1.3, 32.31, 311, IAMS\_20, IAMS\_20, 02 50 49.2, 32.44, 334, IAMB, IAMB, 02 36 40.3, 32.44, 334, P, P, 02 36 18.2 +0.7, 32.45, 130, P, P, 02 36 16.1 -1.4, 32.45, 130, P, P, 02 36 30.0, 32.45, 130, eP, P, 02 36 16.0 -1.4, 32.45, 130, P, P, 02 36 16.1 -1.4, 32.45, 130, P, P, 02 36 16.1 -1.4, 32.45, 130, P, P, 02 36 29.0 -2.7, 02 39 03.9 +0.1, 32.47, 3, IAMB, IAMB, 02 36 54.9, 32.55, 325, IAMB, IAMB, 02 36 46.9, 32.56, 22, IAMB, IAMB, 02 36 35.5, 32.58, 17, IAMB, IAMB, 02 36 34.4, 32.58, 17, IAMS\_20, IAMS\_20, 02 49 37.8, 32.59, 24, IAMS\_20, IAMS\_20, 02 48 31.0, 32.59, 24, P, P, 02 36 18.6 +0.2, 32.59, 21, IAMB, IAMB, 02 36 47.4, 32.59, 21, P, P, 02 36 18.5 +0.1, 32.60, 318, IAMS\_20, IAMS\_20, 02 50 53.7, 32.63, 312, IAMS\_20, IAMS\_20, 02 51 07.4, 32.69, 313, P, P, 02 36 20.8 +1.3, 32.70, 357, IAMB, IAMB, 02 36 34.6, 32.70, 357, IAMS\_20, IAMS\_20, 02 49 35.5, 32.72, 312, IAMS\_20, IAMS\_20, 02 49 39.2, 32.76, 312, P, P, 02 36 20.5 +0.4, 32.77, 311, IAMS\_20, IAMS\_20, 02 49 33.4, 32.83, 24, IAMB, IAMB, 02 36 38.1, 32.83, 24, IAMS\_20, IAMS\_20, 02 49 03.3, 32.83, 314, P, P, 02 36 22.0 +1.2, 32.88, 353, P, P, 02 36 19.8 -1.1, 32.88, 330, P, P, 02 36 22.4 +1.1, 32.89, 317, P, P, 02 36 24.4 +1.3, 32.90, 315, P, P, 02 36 23.2 +1.9, 32.94, 21, IAMB, IAMB, 02 36 38.9, 32.99, 11, IAMB, IAMB, 02 36 24.2, 32.99, 11, IAMS\_20, IAMS\_20, 02 49 40.7, 32.99, 11, LR, LR, 02 51 35.3, 32.99, 11, IAMB, IAMB, 02 36 39.8, 33.05, 22, P, P, 02 36 22.9 +0.6, 33.05, 22, P, P, 02 36 23.0 +0.6, 33.05, 22, P, P, 02 36 22.9 +0.6, 33.06, 13, IAMB, IAMB, 02 36 38.8, 33.08, 312, IAMS\_20, IAMS\_20, 02 49 45.7, 33.09, 19, IAMB, IAMB, 02 36 51.8, 33.11, 312, P, P, 02 36 23.2 -0.2, 33.12, 323, IAMB, IAMB, 02 36 43.2, 33.12, 323, IAMS\_20, IAMS\_20, 02 52 27.2, 33.14, 322, P, P, 02 36 24.2 +0.8, 33.14, 322, P, P, 02 36 24.3 +0.8, 33.14, 322, P, P, 02 36 24.3 +0.8, 33.19, 312, P, P, 02 36 25.8 +2.0, 02 39 07.5 +1.9, 33.22, 345, IAMS\_20, IAMS\_20, 02 51 52.5, 33.22, 345, P, P, 02 36 23.5 -0.4, 33.27, 327, IAMB, IAMB, 02 36 41.2, 33.38, 311, IAMS\_20, IAMS\_20, 02 50 54.4, 33.38, 311, P, P, 02 36 27.6 +1.9, 33.40, 315, P, P, 02 36 27.6 +1.9, 33.40, 315, P, P, 02 36 27.6 +1.9

J61A	<b>Chester</b> comp=Z,89nm,1.5s	33.43	20	I	Amb	I	Amb	02	36	43.3																	
J61A					IAMS_20	IAMS_20		02	49	42.1																	
NCB	comp=Z,3um,22.0s Newcom comp=Z,65nm,1.6s	33.45	18	I	Amb	I	Amb	02	36	54.7																	
PMD	<b>Palm Desert</b>	33.48	314	P	P			02	36	26.1	-0.2																
PMO					PcP	PcP		02	39	06.8	+0.4																
Q16A	<b>Castle Valley</b> comp=Z,27nm,1.6s	33.48	326	I	Amb	I	Amb	02	36	43.1																	
COWI	<b>Conover</b>	33.49	358	I	Amb	I	Amb	02	36	41.6																	
P18A	<b>Preston Nurt</b> comp=Z,38nm,0.9s	33.50	328	I	Amb	I	Amb	02	36	43.5																	
TPFO	<b>Pinon Flats</b>	33.51	314	P	P			02	36	28.7	+2.0																
PFO					PcP	PcP		02	36	26.4	-0.4																
PFO	<b>Pinon Flats O</b>	33.51	314	P	P			02	39	08.2	+1.5																
PFO					P			02	36	28.6	+1.9																
PFO	<b>Pinon Flats O</b>	33.51	314	P	P			02	36	26.4	-0.4																
PFO								02	39	08.2																	
PFO					pmax	pmax																					
F36A	<b>Milaca</b> comp=Z,32nm,1.0s	33.59	353	I	Amb	I	Amb	02	36	42.0																	
GMRC	<b>Granite Mouta</b> bazz=125	33.60	316	P	P			02	36	29.3	+1.8																
109C	<b>Camp Elliot, M</b> bazz=120	33.60	312	P	P			02	36	29.7	+2.3																
V12A	<b>Nelson</b>	33.61	318	P	P			02	36	28.7	+1.2																
V12A					IAMS_20	IAMS_20		02	51	21.3																	
P17A	<b>Butcher Ranch</b> comp=Z,49nm,1.7s	33.65	327	I	Amb	I	Amb	02	36	31.4																	
E43A	<b>Lone Tree Farm</b> comp=Z,35nm,1.0s	33.76	1	I	Amb	I	Amb	02	36	43.6																	
E43A					IAMS_20	IAMS_20		02	49	51.2																	
TMUT	<b>Trail Mountain</b> comp=Z,98nm,1.8s	33.77	326	I	Amb	I	Amb	02	36	46.0																	
HNH	<b>Hanover</b>	33.83	20	I	Amb	I	Amb	02	37	20.2																	
HNH					IAMS_20	IAMS_20		02	50	04.9																	
LONY	<b>Lake Ozonia</b> comp=Z,3um,22.0s	33.94	17	I	Amb	I	Amb	02	50	27.8																	
LONY					IAMS_20	IAMS_20		02	50	27.8																	
LONY	<b>Lake Ozonia</b> bazz=203,SNR=17	33.94	17	P	P			02	36	30.0	-0.2																
TCRU	<b>Three Creeks R</b> comp=Z,2um,19.0s	33.98	324	I	Amb	I	Amb	02	53	04.1																	
F33A	<b>5 Mile Ranch</b> comp=Z,2um,22.0s	33.99	349	I	Amb	I	Amb	02	52	07.6																	
MURC	<b>Murrieta</b>	34.03	313	P	P			02	36	33.0	+1.8																
HEC	<b>Hector Ludlow</b> bazz=121	34.09	315	P	P			02	36	33.0	+1.4																
WBO	<b>Williamsburg</b> comp=Z,63nm,1.5s	34.10	16	I	Amb	I	Amb	02	36	47.9																	
WBO					IAMS_20	IAMS_20		02	51	44.0																	
E28A	<b>The Farm, Brul</b> comp=Z,57nm,1.0s	34.13	355	I	Amb	I	Amb	02	36	46.8																	
K22A	<b>Casper</b>	34.14	335	I	Amb	I	Amb	02	37	12.1																	
K22A					IAMS_20	IAMS_20		02	36	49.5																	
K22A	<b>Casper</b> bazz=146,SNR=7.8	34.14	335	P	P			02	36	31.9	-0.2																
TUQ	<b>Turquoise Moun</b> bazz=125	34.15	317	P	P			02	36	33.6	+1.3																
BBRC	<b>Big Bear Solar</b>	34.18	314	P	P			02	36	32.2	-0.5																
SHPR	<b>Sheep Range</b>	34.27	319	P	P			02	36	33.5	+0.1																
SHPR					PcP	PcP		02	39	08.7	-0.1																
FRNY	<b>Flat Rock</b> comp=Z,49nm,1.3s	34.43	18	I	Amb	I	Amb	02	36	51.1																	
LBNH	<b>Lisbon</b> comp=Z,56nm,1.5s	34.43	20	I	Amb	I	Amb	02	36	54.5																	
LBNH					IAMS_20	IAMS_20		02	50	10.7																	
LBNH	<b>Lisbon</b> bazz=208	34.43	20	P	P			02	36	34.8	+0.4																
D41A	<b>Chassel</b>	34.44	359	I	Amb	I	Amb	02	36	49.5																	
BSUT	<b>Blindstream Ca</b> comp=Z,65nm,1.2s	34.44	328	I	Amb	I	Amb	02	36	57.9																	
RSSD	<b>Black Hills</b>	34.45	339	P	P			02	36	35.9	+1.1																
RSSD					IAMS_20	IAMS_20		02	37	10.1																	
RSSD	<b>Black Hills</b> comp=Z,99nm,1.6s	34.45	339	I	Amb	I	Amb	02	52	47.0																	
RSSD	<b>Black Hills</b> bazz=151	34.45	339	P	P			02	36	35.9	+1.1																
RSSD	<b>Black Hills</b>	34.45	339	P	P			02	36	35.9	+1.1																
RSSD					pmax	pmax																					
RSSD					MLR	MLR																					
RSSD	<b>Black Hills</b> comp=Z,2um,21.0s	34.45	339	P	P			02	36	36.4	+1.5																
RSSD					pP	pP		02	36	30.4	+1.3																
MPU	<b>Maple Canyon</b>	34.52	327	I	Amb	I	Amb	02	36	56.5																	
RRX	<b>Edison Barstow</b> comp=Z,42nm,1.1s	34.57	315	P	P			02	36	36.8	+1.0																
LPZ	<b>La Paz</b> bazz=123	34.60	145	I	Amb	I	Amb	02	51	06.9																	
LPZ	<b>La Paz</b> comp=Z,2.0nm,0.5s,bazz=340,slow=7.8,SNR=11	34.60	145	P	P			02	36	37.0	+0.1																
LPZ					LR	LR		02	51	41.1																	
LPZ	<b>La Paz</b> comp=Z,2.0nm,0.5s	34.60	145	eP	P			02	36	36.5	-0.4																
LPZ					P	P		02	36	37.0	+0.1																
GSC	<b>Goldstone, Bar</b>	34.67	316	P	P			02	39	10.8	+0.9																
GSC					PcP	PcP		02	36	37.8	+1.1																
GSC	<b>Goldstone, Bar</b> bazz=124	34.67	316	P	P			02	36	38.0																	

24d 2h

Table with columns for station ID, name, coordinates, and various data points. Includes stations like FFC, FFF, FFB, FFD, FFE, FFF, FFG, FFI, FFL, FFM, FFN, FFO, FFP, FFS, FFW, FFX, FFY, FZZ, etc.

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Table with columns for station ID, name, coordinates, and various data points. Includes stations like ALGR, DIAM, VAO, SPB, YKA, YKB, YKC, YKD, YKE, YKF, YKG, YKH, YKI, YKJ, YKK, YKL, YKM, YKN, YKO, YKP, YKS, YKT, YKV, YKW, YKX, YKY, YKZ, etc.

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Table with columns for station ID, name, coordinates, and various data points. Includes stations like SFJD, HYT, N30M, N30N, O29M, PNL, YUK6, DY2G, M30M, M30N, YUK4, AY03, MAYO, C36M, C36N, O28M, YUK8, M29M, M29N, L29M, L29N, J30M, H31M, H31N, K29M, K29N, MESA, CTG, YUK3, BARN, BARN, I30M, I30N, G30M, G30N, RES, RES, J29N, J29N, G31M, G31N, F31M, F31N, CRQE, DAWY, DAWY, M27K, MCARA, MCARA, KAIM, EPYK, EPYK, EPYK, ANGG, INK, INK, INK, BCAR, L27K, L27K, L27K, G30M, G30M, G30M, GLB, GLB, M26M, F30M, BMRM, H29M, H29M, I28M, A36M, A36M, Q25K, N25K, N25K, K27K, EGAK, EGAK, G29M, G29M, G29M, L26K, EYAK, etc.

1525 2018 APR 24d 2h

KLU	Klutina	64.13	333	P	P	02	40	20.3	-0.4
KLU	Klutina	64.13	333	P	P	02	40	20.5	-0.2
HARP	HAARP	64.16	334	P	P	02	40	21.1	+0.3
I27K	Kandik River	64.19	338	P	P	02	40	22.0	+1.0
ICESG	Greenland Ices	64.22	17	eP	P	02	40	19.4	-2.0
SCRK	Sand Creek	64.34	336	P	P	02	40	22.1	0.0
SCRK	Sand Creek	64.34	336	P	P	02	40	22.3	+0.2
E29M	Blow River	64.40	342	P	IAMB	02	40	23.1	+0.8
E29M	Blow River	64.40	342	P	P	02	40	22.8	+0.6
J26L	Joseph Creek	64.41	337	P	IAMB	02	40	22.8	+0.3
J26L	Joseph Creek	64.41	337	P	P	02	40	22.8	+0.3
GLI	Glacier Island	64.42	332	P	P	02	40	21.7	-0.8
H27K	Steamboat Moun	64.47	339	P	P	02	40	22.3	-0.5
M24K	Tolsona, Glenn	64.48	334	P	P	02	40	22.3	+0.2
PAX	Paxson	64.52	335	P	P	02	40	22.6	-0.6
F28M	Old Crow	64.61	340	P	P	02	40	23.3	-0.3
F28M	Old Crow	64.61	340	P	P	02	40	23.8	+0.2
I26K	Coal Creek Min	64.62	338	P	IAMB	02	40	23.2	-0.5
I26K	Coal Creek Min	64.62	338	P	P	02	40	23.5	-0.2
JCUZ	Jacuzzi	64.74	286	IAMS_20	IAMS_20	03	08	12.8	
G27K	Doyon Strip	64.80	339	P	IAMS_20	IAMS_20	03	14	46.3
G27K	Doyon Strip	64.80	339	P	P	02	40	24.7	-0.2
TULEG	Thule	64.81	5	IAMS_20	IAMS_20	03	13	27.1	
SCM	Sheep Creek Mo	64.88	333	P	P	02	40	25.6	+0.1
K24K	Donnelly Dome	64.99	335	P	P	02	40	25.9	-0.3
E28M	Babbage River	65.03	341	P	IAMB	02	40	25.7	-0.6
E28M	Babbage River	65.03	341	P	P	02	40	25.7	-0.6
M23K	Glacier View	65.04	333	P	P	02	40	25.8	-0.7
J25K	Salcha River	65.16	336	P	P	02	40	27.4	0.0
D28M	Stokes Point	65.18	342	P	P	02	40	27.0	-0.2
KNK	Knik Glacier	65.23	333	P	IAMB	02	40	28.5	+0.7
KNK	Knik Glacier	65.23	333	P	P	02	40	27.6	-0.2
SEW	Seward	65.25	331	P	P	02	40	26.5	-1.4
SML	Sawmill	65.31	333	P	P	02	40	26.9	-1.4
WAT6	Susitna Watana	65.33	334	P	P	02	40	27.5	-1.1
DHY	Denali Highway	65.36	334	P	P	02	40	28.1	-0.7
E27K	Coleen River	65.46	341	P	IAMB	02	40	30.0	+0.8
E27K	Coleen River	65.46	341	P	P	02	40	29.2	0.0
PM7K	Pomarioleo Ree	65.47	247	eLR	LR	03	00	01.9	
GHO	Glory Hole Cre	65.56	333	P	IAMB	02	40	30.5	+0.5
GHO	Glory Hole Cre	65.56	333	P	P	02	40	29.6	-0.5
PMR	Palmer	65.60	333	P	P	02	40	29.6	-0.5
G26K	Porcupine Rive	65.60	339	P	P	02	40	29.6	-0.4
PRP	Porcupine Dome	65.60	337	P	IAMS_20	IAMS_20	03	11	60.0
PRP	Porcupine Dome	65.60	337	P	P	02	40	29.6	-0.6
HDA	Harding Lake	65.70	336	P	IAMB	02	40	30.2	-0.5
HDA	Harding Lake	65.70	336	P	P	02	40	29.7	-1.1
RC01	Rabbit Creek A	65.70	332	P	P	02	40	30.1	-0.7
BR5E	Bradley Lake S	65.75	330	P	P	02	40	30.3	-0.9
WAT1	Susitna Watana	65.77	334	P	P	02	40	30.1	-1.1
D27M	Malcolm River	65.80	342	P	IAMB	02	40	31.1	-0.3
D27M	Malcolm River	65.80	342	P	P	02	40	31.2	-0.2
IL31	comp-Z,34nm,1.1s	65.82	336	IAMB	IAMB	02	40	46.7	
ILAR	Eielson Array	65.82	336	P	P	02	40	30.7	-0.8
ILAR	Eielson Array	65.82	336	P	P	02	40	30.5	-1.0
ILAR	comp-Z,6.4nm,0.8s,baz=126,slow=4.7,SNR=59	65.89	59	LR	LR	03	15	33.5	
ILAR	comp-Z,497nm,18.2s,baz=97,slow=42								
ILAR	Eielson Array	65.82	336	P	P	02	40	30.7	-0.8
FYU	Fort Yukon	65.95	338	P	IAMB	02	40	32.9	+0.7
H25L	Birch Creek	66.03	338	P	P	02	40	32.6	-0.2
F26K	Shenjek River	66.07	340	P	P	02	40	32.0	-1.1
M22K	Willow	66.09	333	P	P	02	40	31.5	-1.8
BMAR	Burnt Mountain	66.10	339	P	P	02	40	33.1	-0.2
RND	Reindeer	66.11	334	P	P	02	40	33.2	-0.3
RND	Reindeer	66.11	334	P	P	02	40	33.2	-0.3
KDAK	comp-Z,11um,21.0s	66.13	328	P	P	02	40	33.1	-0.5
KDAK	Kodiak Island	66.13	328	LR	LR	03	11	48.5	
KDAK	Kodiak Island	66.13	328	P	P	02	40	34.1	+0.4
POKR	Poker Flat Res	66.17	336	P	P	02	40	33.7	-0.4
COLA	College	66.24	336	eP	P	02	40	33.5	-0.7
COLA	College	66.24	336	P	P	02	40	33.8	-0.4
COLA	College	66.24	336	P	P	02	40	33.8	-0.4
MCK	McKinley	66.26	335	P	P	02	40	34.7	+0.3
SUA	Susitna One	66.29	332	P	P	02	40	34.4	-0.3
G25K	Bearman Lake	66.34	338	P	P	02	40	35.3	+0.5
CUTK	Chulitna	66.37	333	P	P	02	40	35.1	0.0
F25K	Christian River	66.54	339	P	P	02	40	36.6	+0.4
SUMG	Summit	66.61	14	P	IAMB	02	40	36.6	-0.3
SUMG	Summit	66.61	14	P	P	02	40	36.6	-0.3
SUMG	Summit	66.61	14	eP	P	02	40	35.0	-1.9
SUMG	Summit	66.61	14	P	P	02	40	35.6	-0.3
NEA2	Nenana	66.62	336	IAMS_20	IAMS_20	03	11	08.0	

NEA2	Nenana	66.62	336	P	P	02	40	36.3	-0.4
H24K	Noodor Dome	66.62	337	IAMB	IAMB	02	40	52.2	
H24K	comp-Z,23nm,1.1s	66.62	337	P	P	02	40	36.4	-0.3
BWN	Browne	66.63	335	P	P	02	40	36.7	-0.1
TRF	Thorofare Moun	66.73	334	IAMB	IAMB	02	40	58.8	
TRF	Thorofare Moun	66.73	334	P	P	02	40	37.8	+0.2
E25K	Arctic Village	66.74	340	IAMB	IAMB	02	41	00.8	
E25K	Arctic Village	66.74	340	P	P	02	40	37.4	0.0
O20K	Slope Mountain	66.76	330	P	P	02	40	38.4	+0.7
SKT	Skwentna	66.80	333	P	IAMB	02	40	37.5	-0.4
SKT	Skwentna	66.80	333	P	P	02	40	37.0	-0.9
G24K	Hadweenciz Riv	66.81	338	IAMB	IAMB	02	40	53.8	
G24K	comp-Z,11um,22.0s	66.81	338	IAMS_20	IAMS_20	03	12	53.9	
G24K	Hadweenciz Riv	66.81	338	P	P	02	40	37.5	-0.4
N20K	Mount Spurr	66.88	332	P	P	02	40	38.3	-0.1
RSO	Redoubt South	66.93	331	P	P	02	40	39.5	+0.6
I23K	Minto, Yukon-K	66.94	336	IAMB	IAMB	02	41	01.4	
I23K	Minto, Yukon-K	66.94	336	P	P	02	40	38.1	-0.5
P19K	Oil Pt	66.94	330	P	P	02	40	38.0	-0.8
Q19K	Cape Douglas,	66.96	329	P	P	02	40	38.4	-0.5
KTH	Kantishna Hill	67.03	334	IAMB	IAMB	02	40	54.3	
BPAW	Bear Paw Mtn.	67.24	335	IAMB	IAMB	02	40	55.6	
BPAW	Bear Paw Mtn.	67.24	335	P	P	02	40	39.7	-0.9
H23K	Yukon River	67.26	337	IAMB	IAMB	02	41	11.5	
H23K	Yukon River	67.26	337	P	P	02	40	40.3	-0.4
F24K	Squaw Lake	67.29	339	P	IAMS_20	IAMS_20	03	14	01.3
F24K	Squaw Lake	67.29	339	P	P	02	40	40.6	-0.3
CHIR	Chirikof Islan	67.31	325	P	P	02	40	40.9	-0.2
C26K	Camden Bay	67.34	342	P	P	02	40	40.9	-0.1
PPLA	Purkeypile	67.37	333	P	P	02	40	40.0	-1.6
MLY	Manley	67.45	336	P	IAMB	02	40	41.1	-0.8
MLY	Manley	67.45	336	P	P	02	40	41.0	-1.0
CAST	Castle Rocks	67.48	334	P	IAMB	02	40	40.6	-1.6
CAST	Castle Rocks	67.48	334	P	P	02	40	40.4	-1.7
M20K	Styx River	67.50	332	P	IAMB	02	40	42.0	-0.4
M20K	Styx River	67.50	332	P	P	02	40	40.8	-1.5
D25K	Kavir River	67.53	341	P	IAMB	02	40	42.6	+0.2
D25K	Kavir River	67.53	341	P	P	02	40	41.2	-1.2
EUNU	Eureka	67.56	0	P	P	02	40	42.7	+0.3
NEEM	North Greenlan	67.58	8	I/P	IAMB	02	40	42.2	-0.7
TVO	Taravao	67.71	245	eLR	LR	03	01	17.1	
G23K	Bananza Creek	67.76	338	P	IAMS_20	IAMS_20	03	12	36.7
G23K	Bananza Creek	67.76	338	P	P	02	40	43.4	-0.4
N19K	Bonanza Creek	67.84	331	P	IAMB	02	40	44.7	+0.2
N19K	Bonanza Creek	67.84	331	P	P	02	40	42.8	-1.7
P18K	Big Mountain,	67.86	329	P	P	02	40	43.7	-1.0
P18K	Big Mountain,	67.86	329	LR	LR	03	02	20.9	
PPT2	Papeete	67.92	245	eP	P	02	40	46.4	+0.7
PPT2	Papeete	67.92	245	eS	S	02	49	39.4	-1.3
PPT2	comp-Z,560nm,25.8s			eSS	SS	02	54	01.3	-2.5
PPT2	comp-Z,587nm,29.0s			eLQ	LQ	02	58	28.2	
PPT2	comp-Z,364nm,24.2s			eLR	LR	03	01	12.2	
PPT2	comp-Z,4um,25.8s			eLR	LR	03	01	18.7	
Q17K	Contact Creek	67.95	328	P	P	02	40	44.3	-0.9
PAE	Paea	67.95	245	eLR	LR	03	01	20.9	
O18K	Koktuh Hills	67.96	330	P	P	02	40	45.6	+0.4
O18K	Koktuh Hills	67.96	330	P	P	02	40	43.3	-1.9
H22K	Ishaltina Cre	67.99	337	P	P	02	40	44.2	-1.1
I21K	Tanana	67.99	336	P	IAMB	02	41	00.4	
I21K	Tanana	67.99	336	P	P	02	40	44.3	-0.9
L20K	Farewell, AK	68.00	333	P	P	02	40	44.1	-1.3
COLD	Coldfoot	68.01	338	P	P	02	40	45.4	+0.1
M19K	Big River Lodg	68.08	332	P	IAMB	02	41	05.7	
M19K	Big River Lodg	68.08	332	P	P	02	40	45.8	-0.1
E23K	Chandler	68.11	339	P	P	02	40	46.0	-0.1
D24K	Happy Valley	68.26	340	P	P	02	40	47.7	+0.8
D24K	Happy Valley	68.26	340	P	P	02	40	46.1	-0.8
TOLK	Toolik Lake Re	68.31	340	P	P	02	40	47.7	+0.4
TOLK	Toolik Lake Re	68.31	340	P	P	02	40	47.3	0.0
K20K	Telida	68.32	334	IAMB	IAMB	02	41	02.2	
K20K	Telida	68.32	334	P	P	02	40	47.1	-0.3
L19K	White Mountain	68.36	332	P					

24d 2h

2018 APR

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Table with columns: Call Sign, Frequency, Mode, Power, Direction, Date, Time, and other parameters. Includes stations like C19K, E18K, F17K, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Direction, Date, Time, and other parameters. Includes stations like MDT, PMSA, CART, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Direction, Date, Time, and other parameters. Includes stations like UPC, TREC, DPC, etc.



Table with columns: MDJ, MAJO, KURK, KURRB, KURBS, BOSA, BOSB, ULN, SONM, SONM, SONY, SNY, MKRS, MAKZ, MK31, MKAR, MKAF, LODK, AAK, ARSB, WMQ, WMQ, WMQ, HHC, HHC, HHC, HHC, TARG, BTO, BTO, BTO, BTO, BTO, BTO, KIBK, GTA, KBL, UOSS, NJ2, STKA, STKA, SSSL, ENH, ENH, CD2, CD2, CD2, CD2, WR4, WR4, WRAB, WRAB, WR4, WR4, ASAR, ASAR, ASAR, FAKI, PZH, PZH, PZH, FITZ, HYB, HYB, CHTO, CHIA, CHIA, CMAR, CMAR, TOL12, NWAO, NWAO, UBP, PSAO, PSAO, PSAO, MBWA.

Table with columns: VAO, NEIC, IDC, ISC, Code, Station Name, A° AZ', Phase ID, Time Res, h m s ISC.

Table with columns: APMT, S39A, SMWD, SDCO, DUG, DUG, PDMM, PDMM, PDAR, NVAR, NVAR, ULM, PAHR, MFID, MFID, SNAH, GSPA, TOAO, TOAO, TORD, TORD, YKA, Vnda, Vnda, ESDC, TAM, TAM, BVAR, ASAR, WRA, ZALV, KURBS, MKAR, SONM, SONM, HHC, HHC, HHC, NJ2, NJ2, PZH, PZH, PZH, GCMT, DJA, ISC, Code, Station Name, A° AZ', Op, Phase ID, Time Res, h m s ISC.

24d 3h

Table with columns: Call Sign, Frequency, Power, Mode, and other parameters. Includes stations like GTOI, LEM, LEM, STKI, FITZ, KNRA, etc.

2018 APR

Table with columns: Call Sign, Frequency, Power, Mode, and other parameters. Includes stations like JSD, GTA, MDJ, etc.

1528

Table with columns: Call Sign, Frequency, Power, Mode, and other parameters. Includes stations like NV11, MFID, HLID, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TUMARINA, TORI CHANNEL, D'URVILLE ISLA, etc.

TAP 24 03:21:56.1, 24:58N:122:65E, h98km, ML3.2, C
JMA 24 03:21:56.5, 0.1, 24' N, 1' 122:66.0, 4, h95km, 1km,
MV2.2/14, NW OFF ISHIGAKIJIMA IS
ISC 24 03:21:56.2, 1.4, 24:52N:0:05:122:64E:0:03, h99km, 8km,

Main table for 1529 containing station data for various regions like Taiwan, Myanmar, and others. Columns include Code, Station Name, Az, Az', Phase ID, Time, Res.

Table for 2018 APR containing station data for various regions like Myanmar, Thailand, and others. Columns include Code, Station Name, Az, Az', Phase ID, Time, Res.

IDC 24 03:36:27.1, 1.9, 7:63S:122:01E, h193km, 18km, mb3.4/5,
mbtmtp4.0/8, Error ellipse: s-maj=75.9km s-min=16.3km
DJA 24 03:36:27.1, 0.5, 8'S, 4.12'E, h185km, 7km, M4.1/11,
mb4.0/2, MLV4.2/11
ISC 24 03:36:25.0, 0.8, 8:32S:107:121:26E:0:06, h200km, n17,
177/22, mb3.8/5, Flores region

Table for 2018 APR containing station data for various regions like Queensland, Australia, and others. Columns include Code, Station Name, Az, Az', Phase ID, Time, Res.

IDC 24 04:01:05.3:6.5, 22:47S:148:25E, h0km, mbtmtp3.4/3,
ML3.2/3, Error ellipse: s-maj=53.4km s-min=34.6km
az=63.0, Queensland

Table for 2018 APR containing station data for various regions like Queensland, Australia, and others. Columns include Code, Station Name, Az, Az', Phase ID, Time, Res.

BGR 24 04:08:24.8, 2:28' 18N:94:55E, h33km, mb5.0, Msd.1
BUJ 24 04:08:32.5, 0.0, 22:84N:94:48E, h106km, mb5.1/79,
m85.1/45
MOS 24 04:08:34.7, 0.9, 22:96N:94:76E, h120km, mb4.9/40, Error

ellipse: s-maj=7.9km s-min=3.5km az=121.7
NEIC 24 04:08:35.5, 22:85N:94:52E, h110km, Moment Tensor
Solution. Duration: 18 Moment tensor: Scale 10^10Nm;
Mn:1.64; Mw:5.03; Ms:3.39; Me:1.16; Mb:0.11; Mv:2.62;
Fault plane solution: Mw:2.8000x10^16 NP1:
phi=128.89000, delta=56.37000, lambda=160.12000. Principal axes:
T 5.3057, P1g36.0000, Azm94.0000; N -0.0439,
P1g52.0000, Azm252.0000; P -5.2617, P1g11.0000,
Azm356.0000
IDC 24 04:08:35.5:0.4, 22:90N:94:73E, h115km, 3km, mb4.6/34,
mbtmtp5.0/35, MS3.9/28 Error ellipse: s-maj=10.2km
s-min=6.8km az=55.0
NEIC 24 04:08:35.7:1.2, 22:96N:0:07:94:61E:0:07, h106km, 5km,
mb5.1/125, Mwv5.1/12, Error ellipse: s-maj=11.7km
s-min=7.6km az=22.0
NEIC 24 04:08:35.5, 22:95N:94:63E, h110km
GCMT 24 04:08:36.7:0.2, 22:84N:0:01:94:70E:0:01, h121km, 1km,
MV5.2/135, Moment Tensor Solution. s73, c90;
s135, c234; Duration: 0 Moment tensor: Scale 10^10Nm;
Mn:2.73; Mw:6.96; Ms:3.39; Me:1.37; Mb:0.10;
Mv:2.07; Ms:3.16; Ms:0.9; Best double couple:
Mw:2.8000x10^16 NP1: phi=142.0000, delta=868.0000,
lambda=3261.0000; NP2: phi=139.0000, delta=361.0000,
lambda=155.0000;
Principal axes: T 7.1670, P1g37.0000, Azm103.0000;
N 0.2410, P1g52.0000, Azm272.0000; P -7.3990,
P1g5.0000, Azm9.0000; nsta1 refers to body waves,
cutoff=40s. nsta2 refers to surface waves, cutoff=50s.
Triangular rate function
NDI 24 04:08:42.3, 23:45N:93:96E, h154km, mb5.2, ML5.1,
mb5.1(NEIC)
ISC 24 04:08:35.4:0.2, 22:92N:0:03:94:60E:0:03, h113km, 1km,
h113km:pp-P, n1016, e1930/1170, mb5.0/220, 38C-45D,
Myanmar

Main table for 24d 4h containing station data for various regions like Myanmar, Thailand, and others. Columns include Code, Station Name, Az, Az', Phase ID, Time, Res.

24d 4h

Table with columns for station name, time, and various codes. Includes stations like Lohaghat, Pithoragarh, Surathani, GulIn, Jhansi, etc.

2018 APR

Table with columns for station name, time, and various codes. Includes stations like QZH, HNS, HHC, HSH, etc.

1530

Table with columns for station name, time, and various codes. Includes stations like MAKZ, CHMS, EKS2, USP, SGDS, etc.

1531

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like BVAO Borovoye Array, BVAR Borovoye Array, etc.

2018 APR

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like BELG Belogorovye, ONI Oni, NCK Nalchik, etc.

24d 4h

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like ANTO Ankara, ANTO Ankara, ANTO ANTO, etc.

Table with columns for station name, frequency, mode, and other technical details. Includes stations like APE Apeiranthos, KEF Keuruu, and others.

Table with columns for station name, frequency, mode, and other technical details. Includes stations like LOF, A051A Mrakovica, BSD Bornholm, and others.

Table with columns for station name, frequency, mode, and other technical details. Includes stations like GORT1 Trebel, MANZ Manzenberg, BBOO Buckleboo, and others.

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Table with columns for station ID, name, frequency, power, and status. Includes stations like C18K Utukok River, G15K Niukluk, ARPS Mount Arapiles, etc.

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Table with columns for station ID, name, frequency, power, and status. Includes stations like FALS False Pass, O15K Ungalikthiuk R, TTA Tatalina, etc.

24d 4h

Table with columns for station ID, name, frequency, power, and status. Includes stations like E29M Blow River, CAPN Captain Cook N, J25K Salscha River, etc.

24d 4h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ANGG Ammassalik, Gr, PBAR Barrancos, L29M L29M, BGCL Bering Glacier, etc.

118.14 30 P

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ARVC Arvin, JFWS Jewell Farm, EDWZ Edwards Air Fo, VNA3 Neumayer Olymp, etc.

IDC 24 04:19:57.2, 8.36:41N:70:32E, h140km, 64km, mb3.3/2, mltmp3.6/6, Error ellipse: s-maj=113.3km s-min=24.4km az=147.0

ISC 24 04:20:05.0, 0.37:0N:02:70E, 0.1, h150km, n11, c137/12, 1C-6D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KK31 Karatay Array, AAK Ala-Archa, AAK, TKM2 Tokmak 2, etc.

IDC 24 04:33:04.5, 1.4, 27:70N:140:05E, h297km, 16km, mb3.2/7, mltmp3.9/7, Error ellipse: s-maj=39.2km s-min=21.2km az=82.0

ISC 24 04:33:06.0, 0.9, 27:6N:01:140E, 0.2, h300km, n11, c072/11, mb3.5/7, Bonin Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like JCJ Chichijima, JCJ, JHJ Hachijo jima 2, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BVAR Borovoye Array, ARCES ARCES Array B, YKA Yellowknife Ar, etc.

IDC 24 04:33:58.7, 0.9, 27:65S:139:21E, h0km, mb3.9/7, mltmp3.9, 9.8, 1.1, MS3.5/3, Error ellipse: s-maj=55.9km s-min=20.2km az=90.0

ISC 24 04:34:04.2, 0.9, 27:5E:0.1, 139:1E, 0.4, h37km, n11, c154/9, mb3.9/7, MS3.6/3, Near north coast of Irian Jaya

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Ar, ASAR Alice Springs, ANMO Albuquerque, etc.

AFAD 24 04:42:52.7, 0.0, 37:59N:38:50E, h7km, 3km, ML2.5 ISK 24 04:42:52.6, 37:58N:38:53E, h9km, ML2.5/12

ISC 24 04:42:53.1, 0.9, 37:59N:0:03:38.51E, 0.02, h9km, 8km, n18, c05/47/29, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ATAB Bozova, ATAB Ura, URFA anIurfa/Hi, etc.

AFAD 24 04:50:48.2, 0.0, 37:58N:38:48E, h7km, 2km, MW3.6 ISK 24 04:50:48.7, 37:51N:38:49E, h12km, ML3.6/22

ISC 24 04:50:48.7, 0.9, 37:56N:0:03:38.49E, 0.02, h9km, 8km, n42, c09/50/58, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ATAB Bozova, ATAB Ura, URFA anIurfa/Hi, etc.



Table with columns: Station Name, Code, Frequency, Modulation, Power, etc. Includes stations like NZIP, AKCD, ELZG, KHMN, GAZ, KAHM, etc.

Table with columns: Station Name, Code, Frequency, Modulation, Power, etc. Includes stations like PEAOB, PETK, PETK, etc.

Table with columns: Station Name, Code, Frequency, Modulation, Power, etc. Includes stations like BRVK, ARCES, PDAR, etc.

IDC 24 04:54:12.0; 0.7; 53.59N; 161.42E, h0km, mb3.9/27, mbmp4,0/32, ML4,4/4, MS3,2/7, Error ellipse: s-maj=18.5km s-min=12.1km az=158...

MOS 24 04:54:15.0; 1.0; 53.35N; 161.69E, h42km, mb4,4/6, Error ellipse: s-maj=6.8km s-min=4.9km az=92.4

ISC 24 04:54:12.8; 1.3; 53.54N; 160.04E, h18km, g8km, n166, o1905/185, mb4.2/47, MS3.0/4, 3C-2D, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Frequency, Modulation, Power, etc. Includes stations like SPN, KRY, UGLR, etc.

Table with columns: Station Name, Code, Frequency, Modulation, Power, etc. Includes stations like YAK, KLR, HEH, etc.

Table with columns: Station Name, Code, Frequency, Modulation, Power, etc. Includes stations like WRA, TUE, ASAR, etc.

24d 5h

Table containing station names, codes, and seismic data for stations like CESE, ZEDA, URLA, PSRA, etc. Includes columns for station name, code, time, and residuals.

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Table containing station names, codes, and seismic data for stations like CO05, CO06, CO07, etc. Includes columns for station name, code, time, and residuals.

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Table containing station names, codes, and seismic data for stations like LOUT, DRAG, TSLK, etc. Includes columns for station name, code, time, and residuals.

Table with columns: PDG, BUD, CEME, IVA, HCY, HCY, KOME, KOME, SELS, NKME, ZAPS, TREB, SJES, SJES, BRY, BRY, BOVS, BOVS, UPM, UPM, IVAS, IVAS, STON, STON, RUDD, RUDD, GRUS, GRUS, NEVS, NEVS, VAE, VAE, MLR, MLR, CEY, BRTR, VRAC, GERES, DAVOX, MMAI, AKASG, ESCD, HFS, HFS, FINES, NB2, NOA, NOA, EKA, TORD, ARCES, BVAR, BVAR, SPITS, KURBB, MKAR, ZALV, SCHQ, SONMI, CMAR, YKA, ASAR, CMAR, STKA, MKAR

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

Table with columns: AC01, AC01, AC01, PATCX, PATCX, PB08, PB08, PX03, PX03, AC06, AC06, TA01, TA01, HMBC, HMBC, HMBC, HMBC, GO01, GO01, VCA, VCA, PB11, PB11, AC01, AC01, LPAZ, LPAZ, SIIV, SIIV, PLCA, PLCA, BDFB, BDFB, BDFB, BDFB, TORO, TORO, MKAR, MKAR, IDC, IDC, DJA, DJA, NEIC, NEIC, IDC, IDC, Code, Station Name, Az, Az, Phase ID, Time, Res, h, m, s, ISC

Table with columns: IDC, DJA, ATCH, VNA, ILAR, Code, Station Name, Az, Az, Phase ID, Time, Res, h, m, s, ISC

24d 7h

Table with columns for station name, frequency, and various signal quality metrics (Pg, Pb, Sg, S, etc.). Includes stations like Ouranopolis, Kokkinochori, Kavala, Thassos island, etc.

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Table with columns for station name, frequency, and various signal quality metrics. Includes stations like ECEA Canakkale, CNKLK anakkale-Mer, GELI Tayfur-Gelibolu, etc.

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Table with columns for station name, frequency, and various signal quality metrics. Includes stations like MKAR 0.8nm,0.3s, OTUK 4.52 250, etc.

NNC 24 07:19:53.04.0.49:91N:78:59E, h0km, mb3.9, mpv3.5, Error ellipse: s-maj=8.7km s-min=2.3km az=91.0, Suspected Mining explosion.

IDC 24 07:19:56.6.0.8.50:05N:78:79E, h0km, mb2.2p,3, ML2.1/3, Error ellipse: s-maj=10.3km s-min=6.2km az=55.0

IDC 24 07:19:56.0.0.8.49:99N:0:04:78:68E:0:05, h0km, n41, s1902/54, 13C-13D, Eastern Kazakhstan

Table with columns for Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KUR07 Kurchatov Arra, KUR06 Kurchatov Arra, etc.

IDC 24 07:27:29.3.0.8.20:58N:144:02E, h0km, mb3.8/10, mbmp3.8/10, MS3.0/4, Error ellipse: s-maj=32.0km s-min=21.8km az=91.0

IDC 24 07:32:32.0.8.20:6N:0:22:144:0E:0:2, h26km, n13, s121/13, mb3.8/10, MS2.8/4, Mariana Islands region

Table with columns for Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KSRS Korea Array, PETK Petropavlovsk-34, WRA Warrunganga Arr, etc.

VAO 24 07:28:38.6:0.8, 7.04S:76.96W, h10km, mb3.9
RSNC 24 07:28:45.6:0.5, 7.5S:77.7W, h116km, 33km, mb4.2,
mB5.1, ML3.4, Mw(mB)4.5
IDC 24 07:28:58.9:5.7, 8.04S:76.55W, h132km, 53km, mb3.3/6,
mbmp3.6/7, Error ellipse: s-maj=49.0km s-min=21.8km
az=70.0
ISC 24 07:28:47.0:0.8, 6.75S:107.76W, h0.09, h100km, n45,
c2524/44, mb3.5/6, Northern Peru

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

UCR 24 07:44:54.3:1.2, 10.15N:84.19W, h5km, 1km, MW3.5
CATAC 24 07:44:54.8:0.3, 10.13N:84.21W, h4km, 4km, ML2.3
ISC 24 07:44:53.1:1.0, 10.20N:02:84.16W, h0.02, h19km, 2km,
n72, c076/107, 12C-19D, Costa Rica

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

Table with columns: VTCV, VTCV, Calle Va, 0.48 117, I/P, Pn, 07 45 04.9 -0.2, 07 45 27.6. Lists seismic stations and their associated data points.

CATAC 24 07:47:15.9:0.4, 10.13N:84.20W, h9km, 3km, ML2.6
UCR 24 07:47:15.8:0.0, 10.15N:84.19W, h4km, 1km, MW3.7
ISC 24 07:47:16.2:0.9, 10.14N:02:84.19W, h0.02, h18km, 3km,
n77, c050/86, 10C-24D, Costa Rica

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

Table with columns: COVE, COVE, Z420m, 1.0s, 0.61 340, eP, Pg, 07 47 27.7 -0.7. Lists seismic stations and their associated data points.

IDC 24 07:52:20.3:0.8, 12.86S:66.06E, h0km, mb4.1/14,
mbmp4.1/14, MS3.6/13, Error ellipse: s-maj=26.9km
s-min=21.1km az=49.0
ISC 24 07:52:21.7:0.8, 12.9S:02:66.1E, h10km, n35,
c059/13, mb4.2/15, MS3.6/13, Middle Indian Ridge

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

24Z 8h

Table with columns: RPD, Rate Peaks, and station data including codes, station names, and various parameters like frequency and power.

SJA 24 07:58:10.8:0.6,21.775:68.49W,h152km,3km,ML4.4,MW4.1

IDC 24 07:58:11.6:0.6,21.745:68.24W,h126km,6km,mb3.8/B,mbmp4.2/2,Error ellipse: s-maj=17.6km s-min=10.5km az=104.0

NEIC 24 07:58:12.1:1.7,21.775:0.05:68.37W:0.7,9h130km,7km,mb4.4/20,Error ellipse: s-maj=11.7km s-min=7.0km az=86.0

GUC 24 07:58:13.0:0.7,21.785:68.48W,h141km,6km,ML4.6

VAO 24 07:58:16.6:0.5,21.515:67.99W,h157km,mb4.4

ISC 24 07:58:17.0:0.6,21.755:0.03:68.38W:0.04,h135km,5km,n156.1:135/189,mb4.3/9,10C-4D,Chile-Bolivia border region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, and station data for various stations like PB09, LVC, LVB, etc.

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Main table with columns: HMB, Humberstone, and station data including codes, station names, and various parameters like frequency and power.

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Table with columns: SNA, SNAe, and station data including codes, station names, and various parameters like frequency and power.

IDC 24 08:03:48.0:2.8,53.72N:86.73E,h0km,mbtmp2.8/2,ML2.4/2,Error ellipse: s-maj=25.9km s-min=14.4km az=64.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, and station data for stations like I46RU, ZALV, etc.

CATAC 24 08:05:17.6:0.5,13.96N:90.53W,h71km,12km,mb3.9,ML3.2, Near coast of Guatemala

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, and station data for various stations like GUNB, NUBE, CEVE, etc.

SRBA	comp=Z,9.5nm,2.7s	IAML	08 07 54.9
	comp=Z,21nm,1.0s		

**IDC 24 08:17:56.9.3.4, 54.22N-87.13E, h0km, mbtmp2.8/2, ML2.5/2, Error ellipse: s-maj=32.3km s-min=20.0km az=55.0, Southwestern Siberia**

Code	Station Name	Δ <sup>a</sup>	AZ <sup>b</sup>	Phase	ID	Time	Res
						h m s	ISC
I46RU	ZALESOVO INFRA 1.39 260			Op	I	08 27 00.0	
ZALV	Zalesovo Beam 1.39 260			Pg	I	08 18 21.4	-2.1
ZALV	Zalesovo Beam 1.39 260			Pg	I	08 18 21.4	-2.1
KURBB	Kurchatov Arra 6.37 239			Pn	Pn	08 19 32.7	+0.7
MKAR	Makanchi Array 8.05 204			Pn	Pn	08 19 56.6	+1.6

**IDC 24 08:19:43.2.3.2, 5.92S-141.34E, h0km, mb3.6/2, mbtmp3.5/4, ML3.0/2, Error ellipse: s-maj=106.4km s-min=25.0km az=99.0, New Guinea**

Code	Station Name	Δ <sup>a</sup>	AZ <sup>b</sup>	Phase	ID	Time	Res
						h m s	ISC
WRA	Warramunga Arr 15.51 205			Pn	Pn	08 23 22.2	-1.2
WRA	baz=29,slow=13,SNR=2.6			Lg	Lg	08 27 57.2	
ASAR	baz=24,slow=28,SNR=2.4			Lg	Lg	08 27 57.2	
ASAR	15.04 201			P	P	08 24 07.2	+0.2
MKAR	Makanchi Array 7.92 322			P	P	08 31 20.9	+0.7
BVAR	Borovoye Array 84.33 325			P	P	08 32 11.8	-0.7

**IDC 24 08:25:29.5.3.3, 53.40N-87.64E, h0km, mbtmp2.6/2, ML2.4/2, Error ellipse: s-maj=33.4km s-min=17.1km az=58.0, Southwestern Siberia**

Code	Station Name	Δ <sup>a</sup>	AZ <sup>b</sup>	Phase	ID	Time	Res
						h m s	ISC
I46RU	ZALESOVO INFRA 1.77 289			Op	I	08 36 30.0	
ZALV	Zalesovo Beam 1.77 289			Pn	Pn	08 26 00.3	-0.9
ZALV	Zalesovo Beam 1.77 289			Lg	Lg	08 26 25.3	
KURBB	Kurchatov Arra 6.27 247			Pn	Pn	08 27 04.6	+1.4
MKAR	Makanchi Array 7.45 210			Pn	Pn	08 27 20.4	+1.0

**IDC 24 08:33:14.9.3.5, 53.70N-90.85E, h0km, mbtmp3.2/2, ML2.9/2, Error ellipse: s-maj=28.8km s-min=23.4km az=54.0**

**NNC 24 08:33:17.0.4.5, 53.75N-90.64E, h0km, mb3.4, mpv3.1, Error ellipse: s-maj=33.8km s-min=28.7km az=36.0, Suspected Mining explosion.**

**ISC 24 08:33:17.1.4.1, 53.7N-02.906E, h0km, n9, s195/12, 7C-4D, Southwestern Siberia**

Code	Station Name	Δ <sup>a</sup>	AZ <sup>b</sup>	Phase	ID	Time	Res
						h m s	ISC
I46RU	ZALESOVO INFRA 3.46 276			Op	I	08 58 10.0	
ZAAO	Zalesovo Beam 3.46 276			Pb	Pb	08 34 18.2	-1.0
ZAAO	Zalesovo Beam 3.46 276			Lg	Lg	08 35 07.8	
ZALV	Zalesovo Beam 3.46 276			Pg	Pg	08 34 18.4	-0.9
ZALV	Zalesovo Beam 3.46 276			Lg	Lg	08 35 07.8	
KURK	Kurchatov 7.97 253			Pn	Pn	08 35 15.4	+1.3
KURK	baz=68,slow=24,SNR=2.4			Sn	Sn	08 36 45.8	+3.0
KURK	29nm,0.9s			Lg	Lg	08 37 34.8	
KURBB	Kurchatov Arra 8.06 252			Pn	Pn	08 35 14.9	-0.4
KURBB	baz=68,slow=24,SNR=2.4			Sn	Sn	08 36 45.8	-1.3
KURBB	0.1nm,0.3s,slow=70,slow=33,SNR=11			Lg	Lg	08 37 35.4	
KURBB	Kurchatov Arra 8.06 252			Pn	Pn	08 35 16.7	+1.4
KURBB	1.9nm,0.7s			Op	Op	08 36 46.5	-0.6
KURBB	18nm,0.8s			Lg	Lg	08 37 38.7	
MK31	Makanchi Array 8.74 221			Pn	Pn	08 35 26.6	+1.9
MK31	0.2nm,0.5s,slow=34,slow=15,SNR=6.1			Sn	Sn	08 37 03.6	-0.2
MK31	3.0nm,0.8s,slow=43,slow=24,SNR=5.9			Lg	Lg	08 37 53.2	
MKAR	Makanchi Array 8.74 221			Pn	Pn	08 35 24.1	-0.6
MKAR	0.1nm,0.3s,slow=31,slow=12,SNR=5.1			Sn	Sn	08 37 03.0	-0.9
MKAR	0.1nm,0.3s,slow=39,slow=25,SNR=1.8			Lg	Lg	08 37 54.4	
MKAR	0.1nm,0.3s,slow=41,slow=32,SNR=5.6			Lg	Lg	08 39 09.7	
MKAR	0.3nm,0.4s			Lg	Lg	08 39 09.7	
SONM	Songino Array 11.56 114			Lg	Lg	08 39 09.7	
SONM	0.1nm,0.3s,slow=303,slow=25,SNR=9.8			Lg	Lg	08 39 09.7	

**IDC 24 08:45:08.4.3.5, 54.18N-87.32E, h0km, mbtmp2.6/2, ML2.3/2, Error ellipse: s-maj=30.6km s-min=19.2km az=54.0, Southwestern Siberia**

Code	Station Name	Δ <sup>a</sup>	AZ <sup>b</sup>	Phase	ID	Time	Res
						h m s	ISC
I46RU	ZALESOVO INFRA 1.49 262			Op	I	08 54 40.0	
ZALV	Zalesovo Beam 1.49 262			Pg	Pg	08 45 34.9	-1.6
ZALV	Zalesovo Beam 1.49 262			Lg	Lg	08 45 55.9	
KURBB	Kurchatov Arra 6.45 240			Pn	Pn	08 46 45.5	+1.0
MKAR	Makanchi Array 8.06 205			Pn	Pn	08 47 07.9	+1.2

**IDC 24 08:53:18.6.1.4, 43.29N-145.94E, h70km, mb5.1/32, mbtmp5.4/40, MS4.4/71, Error ellipse: s-maj=11.0km s-min=8.9km az=121.0**

**BUI 24 08:53:19.4.0.0, 43.45N-145.69E, h77km, mb5.2/90, mB5.3/54, MS4.8/82, Ms7.4/67.9**

**MOS 24 08:53:20.3.0.9, 43.27N-145.76E, h90km, mb5.8/84, MS4.8/82, Error ellipse: s-maj=5.4km s-min=3.5km az=112.6**

**MOS Felt (V) at Yuzhno-Kuril'sk (IV) at Malokuril'skoe. NMR**

**GCMT 24 08:53:21.9.0.1, 43.34N-145.73E, h92km, MW5.5/155, Moment Tensor Solution, s137 c256; s155 c305; Duration: 1s4 Moment tensor: Scale 10<sup>17</sup> Nm; M<sub>rr</sub>-1.39e-03; M<sub>θθ</sub>1.36e-04; M<sub>φφ</sub>0.03e-03; M<sub>19</sub>1.94e-02; M<sub>29</sub>0.76e-03; M<sub>39</sub>0.66e-02; Best double couple: M=2.57000e10<sup>17</sup> NP1<sub>3</sub>250.00000°, δ72.00000°, λ-86.00000°. NP2<sub>3</sub>59.00000°, δ19.00000°, λ-101.00000°. Principal axes: T 2.7220, Plg26.0000°, Azm337.0000°; N -0.2950, Plg4.0000°, Azm69.0000°; P -2.4190, Plg63.0000°, Azm166.0000°. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function**

**IPGP 24 08:53:21.0.0, 43.36N-145.74E, h84km, Mw5.6, Fault plane solution: NP1<sub>3</sub>252.00000°, δ76.00000°, λ-86.00000°. NP2<sub>3</sub>55.00000°, δ15.00000°, λ-106.00000°.**

**NEIC 24 08:53:21.9.1.6, 43.35N-145.73E, h92km, mb5.1/32, mbtmp5.4/40, MS4.4/71, Error ellipse: s-maj=11.0km s-min=8.9km az=121.0**

**NEIC 24 08:53:21.7, 43.17N-145.89E, h90km, Moment Tensor Solution. Duration: 2s8 Moment tensor: Scale 10<sup>17</sup>Nm; M<sub>rr</sub>-1.50; M<sub>θθ</sub>1.59; M<sub>φφ</sub>-0.09; M<sub>19</sub>1.34; M<sub>29</sub>0.64; M<sub>39</sub>0.23; Fault plane solution: Mo2 14000x10<sup>17</sup> NP1: φ=257.89000°, δ64.82000°, λ-83.59000°. NP2: φ=63.09000°, δ25.93000°, λ-103.37000°. Principal axes: T 2.2849, Plg20.0000°, Azm343.0000°; N -0.2837, Plg6.0000°, Azm75.0000°; P -2.0012, Plg70.0000°, Azm19.0000°. SKHL 24 08:53:21.5.0.1, 43.30N-145.90E, h92km, mb5.3/13, mbv6.0/6, ms5.2/5, msh6.1/4, msha7.4/4**

**JMA 24 08:53:21.8.0.2, 43.23N-145.9E, h87km, mb5.6, MS4.6**

**NEIC 24 08:53:21.7, 43.37N-145.75E, h90km**

**NEIC 24 08:53:21.7, 43.37N-145.75E, h90km**

**NIED 24 08:53:21.8, 43.24N-145.83E, h87km, MW5.5, Moment Tensor Solution. s3 Moment tensor: Scale 10<sup>17</sup>Nm; M<sub>rr</sub>-1.39; M<sub>θθ</sub>1.38; M<sub>φφ</sub>0.01; M<sub>19</sub>1.46; M<sub>29</sub>0.47; M<sub>39</sub>0.53; Fault plane solution: P -2.0012, Plg70.0000°, Azm19.0000°; φ=257.89000°, δ64.82000°, λ-83.59000°. NP2: φ=75.00000°, δ22.00000°, λ-86.00000°.**

**BGR 24 08:53:26.1, 43.91N-145.79E, h87km, mb5.6, MS4.6**

**ISC 24 08:53:21.4.0.2, 43.36N-145.75E, h87km, mb5.6/439, 109C-77D, h87km; p-P, P 1829, s195/12026, mb5.6/439, 109C-77D, Hokkaido region**

Code	Station Name	Δ <sup>a</sup>	AZ <sup>b</sup>	Phase	ID	Time	Res
						h m s	ISC
NEM2	Nemuro 2	0.01 341	119	Op	Pn	08 53 43.4	+0.7
NEM2	Nemuro 2	0.01 341	119	A	A	08 53 43.3	
NMR	Nemuro-Hokkai	0.02 309	119	Pn	Pn	08 53 34.3	+0.6
NMR	Nemuro-Hokkai	0.02 309	119	Sn	Sn	08 53 43.5	+0.8
JKH	Kushirohama	0.51 237	119	Pn	Pn	08 53 36.5	+0.6
JKH	Kushirohama	0.51 237	119	Sn	Sn	08 53 47.4	+0.7
JKH	Kushirohama	0.51 237	119	A	A	08 53 36.5	
JNSB	Nemuroshibetsu	0.68 308	119	Pn	Pn	08 53 39.0	+1.5
JNSB	Nemuroshibetsu	0.68 308	119	A	A	08 53 32.3	+2.9
JNSB	Nemuroshibetsu	0.68 308	119	Sn	Sn	08 53 39.0	
YUK	Yuzh-Kuril'sk	0.68 7	119	Pn	Pn	08 53 38.6	+1.1
YUK	Yuzh-Kuril'sk	0.68 7	119	AMB	AMB	08 53 40.6	
YUK	comp=N,139µm,1.0s			AMB	AMB	08 53 40.6	
YUK	comp=N,110µm,0.3s			AMB	AMB	08 53 40.6	
YUK	comp=N,100µm,0.4s			Sn	Sn	08 53 51.3	+1.9
YUK	comp=N,100µm,0.4s			A	A	08 53 52.0	
YUK	comp=N,337µm,0.4s			A	A	08 53 52.0	
YUK	comp=N,357µm,1.0s			A	A	08 53 53.3	
YUK	comp=N,260µm,1.0s			A	A	08 53 53.3	
YUK	comp=N,903µm,9.0s			AMS	AMS	08 53 56.5	
YUK	comp=N,800µm,9.0s			AMS	AMS	08 53 56.5	
YUK	Yuzh-Kuril'sk	0.68 7	119	Pn	Pn	08 53 38.6	+1.1
YUK	Yuzh-Kuril'sk	0.68 7	119	AMB	AMB	08 53 40.6	
YUK	Yuzh-Kuril'sk	0.68 7	119	Op	Op	08 53 31.1	+1.9
YUK	comp=Z,110µm,0.3s			pmax	pmax		
YUK	comp=Z,23µm,0.2s			pmax	pmax		
YUK	comp=N,38µm,0.3s			pmax	pmax		
YUK	comp=Z,139µm,1.2s			pmax	pmax		
YUK	comp=N,100µm,0.4s			smax	smax		
YUK	comp=N,100µm,0.4s			smax	smax		
YUK	comp=N,337µm,1.0s			smax	smax		
YUK	comp=N,357µm,1.0s			smax	smax		
YUK	comp=N,357µm,1.0s			smax	smax		
YUK	comp=N,260µm,1.1s			smax	smax		
JRA	Rausu	0.73 322	119	Pn	Pn	08 53 39.9	+1.9
JRA	Rausu	0.73 322	119	Sn	Sn	08 53 53.6	+3.2
JRA	Rausu	0.73 322	119	A	A	08 53 39.9	
AKK	Akkeshi	0.74 243	119	Pn	Pn	08 53 38.6	+0.5
JNK	Nakash	0.78 287	119	Pn	Pn	08 53 39.5	+1.0
JNK	Nakash	0.78 287	119	Sn	Sn	08 53 52.7	+1.5
JNK	Nakash	0.78 287	119	A	A	08 53 39.5	
RUSJ	Misakicho	0.83 334	119	Pn	Pn	08 53 41.1	+2.1
RUSJ	Misakicho	0.83 334	119	Sn	Sn	08 53 55.8	+3.7
JAK	Akkeshi	0.85 245	119	Pn	Pn	08 53 39.7	+0.5
JAK	Akkeshi	0.85 245	119	Sn	Sn	08 53 53.0	+0.6
JAK	Akkeshi	0.85 245	119	A	A	08 53 39.7	
SHO	Shikotan	0.94 57	119	Pn	Pn	08 53 40.7	+0.5
SHO	Shikotan	0.94 57	119	AMB	AMB	08 53 41.6	
SHO	comp=N,30µm,0.3s			I	I	08 53 54.4	+0.2
SHO	comp=N,30µm,0.3s			Sn	Sn	08 53 55.1	
SHO	comp=N,226µm,0.4s			A	A	08 53 55.1	
SHO	comp=N,261µm,0.4s			A	A	08 53 55.1	
SHO	Shikotan	0.94 57	119	Pn	Pn	08 53 40.7	+0.5
SHO	Shikotan	0.94 57	119	Sn	Sn	08 53 54.4	+0.2
SHO	Shikotan	0.94 57	119	Op	Op	08 53 40.7	+0.5
SHO	comp=N,7µm,0.3s			pmax	pmax		
SHO	comp=N,15µm,0.3s			pmax	pmax		
SHO	comp=N,15µm,0.3s			pmax	pmax		
SHO	comp=Z,27µm,0.3s						

24d 8h

Table with columns for station code (e.g., UGL, JOU), frequency, and various numerical and categorical data points representing signal quality and status.

2018 APR

Table with columns for station code (e.g., OKH, MDJ, MDJ), frequency, and various numerical and categorical data points representing signal quality and status.

Table with columns for station code (e.g., SNY, JCJ, MA2), frequency, and various numerical and categorical data points representing signal quality and status.



Table with columns for station ID, name, frequency, power, and signal strength. Includes stations like HHC, BTO, TAT, ULN, SONM, WHN, SSSL, TPUB, IRK, H11N2, H11N1, H11N3, ZAK, TIXI, GUMO, XAN, XNH, CNSH, H11S1, H11S2, MOY, NIKH, ENH, GAMB, UNV, LZH, L1K1, L1K2, L1K3, L1K4, L1K5, L1K6, L1K7, L1K8, L1K9, L1K10, L1K11, L1K12, L1K13, L1K14, L1K15, L1K16, L1K17, L1K18, L1K19, L1K20, L1K21, L1K22, L1K23, L1K24, L1K25, L1K26, L1K27, L1K28, L1K29, L1K30, L1K31, L1K32, L1K33, L1K34, L1K35, L1K36, L1K37, L1K38, L1K39, L1K40, L1K41, L1K42, L1K43, L1K44, L1K45, L1K46, L1K47, L1K48, L1K49, L1K50, L1K51, L1K52, L1K53, L1K54, L1K55, L1K56, L1K57, L1K58, L1K59, L1K60, L1K61, L1K62, L1K63, L1K64, L1K65, L1K66, L1K67, L1K68, L1K69, L1K70, L1K71, L1K72, L1K73, L1K74, L1K75, L1K76, L1K77, L1K78, L1K79, L1K80, L1K81, L1K82, L1K83, L1K84, L1K85, L1K86, L1K87, L1K88, L1K89, L1K90, L1K91, L1K92, L1K93, L1K94, L1K95, L1K96, L1K97, L1K98, L1K99, L1K100.

Table with columns for station ID, name, frequency, power, and signal strength. Includes stations like K13K, F14K, GTA, ANM, M13K, J14K, L14K, G15K, S12K, CD2, M14K, N14K, C16K, O14K, O14K, K15K, H16K, GYA, G16K, M15K, SDPT, D17K, N15K, N15K, J16K, J16K, I17K, I17K, RDOG, RDOG, C17K, O15K, E17K, F17K, F17K, G17K, CHNA, L16K, L16K, H17K, H17K, M16K, M16K, N16K, J17K, E18K, B18K, C18K, C18K, F18K, L17K.

Table with columns for station ID, name, frequency, power, and signal strength. Includes stations like O16K, K17K, K17K, G18K, H18K, H18K, A19K, M17K, N17K, N17K, O17K, C19K, C19K, PATS, PATS, L18K, L18K, L18K, F19K, F19K, Q16K, Q16K, J18K, J18K, J18K, GCSA, P17K, G19K, G19K, D19K, D19K, E19K, E19K, E19K, TTA, TTA, TTA, TTA, H19K, H19K, N18K, N18K, M18K, Q17K, Q17K, SWV2, SWV2, SWV2, J19K, J19K, QIZ, QIZ, QIZ, QIZ, QIZ, QIZ, O18K, P18K, D20K, B20K, F20K, E20K, L19K, L19K, H20K, N19K, N19K, NRIK, NRIK, NRIK, NRIK, I20K, I20K, I20K, J20K, J20K, K20K, K20K, K20K, GOMU, GOMU, GOMU, GOMU, GOMU, PZH, PZH, PZH, PZH.

24d 8h

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 Variance, Elevation Variance, Azimuth Covariance, Elevation Covariance, Azimuth Correlation, Elevation Correlation, Azimuth Covariance Matrix, Elevation Covariance Matrix, Azimuth Bias Matrix, Elevation Bias Matrix, Azimuth Variance Matrix, Elevation Variance Matrix, Azimuth Covariance Matrix, Elevation Covariance Matrix, Azimuth Bias Matrix, Elevation Bias Matrix, Azimuth Variance Matrix, Elevation Variance Matrix.

2018 APR

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 Variance, Elevation Variance, Azimuth Covariance, Elevation Covariance, Azimuth Correlation, Elevation Correlation, Azimuth Covariance Matrix, Elevation Covariance Matrix, Azimuth Bias Matrix, Elevation Bias Matrix, Azimuth Variance Matrix, Elevation Variance Matrix.

1544

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 Variance, Elevation Variance, Azimuth Covariance, Elevation Covariance, Azimuth Correlation, Elevation Correlation, Azimuth Covariance Matrix, Elevation Covariance Matrix, Azimuth Bias Matrix, Elevation Bias Matrix, Azimuth Variance Matrix, Elevation Variance Matrix.



24d 8h

2018 APR

1546

Table with columns for station call letters, frequency, and other identifiers. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

Table with columns for station call letters, frequency, and other identifiers. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

Table with columns for station call letters, frequency, and other identifiers. Includes stations like MAK Mak, MAK Mak, MAK Mak, etc.



24d 8h

2018 APR

1548

Table with columns for station call letters, name, frequency, power, and time. Includes stations like ISCO Idaho Springs, IVI Dubbo College, SUSD Mesa Verde, etc.

Table with columns for station call letters, name, frequency, power, and time. Includes stations like HTT Hallett, CJR Cluj-Napoca, MORC Moravsky Berou, etc.

Table with columns for station call letters, name, frequency, power, and time. Includes stations like VYHS Young, YNG Piskzesteto, PSZ Piskzesteto, etc.

Table with columns: Name, Location, Time, Status, and other details. Includes entries like CAN Canberra, CNB Canberra Magne, Y2ZF PASCAL, BZS Buzias, etc.

Table with columns: Name, Location, Time, Status, and other details. Includes entries like RJOB Jochberg, NWA0 Narrogin (SRO), BHOU Houvegnaz, etc.

Table with columns: Name, Location, Time, Status, and other details. Includes entries like SWN1 Skopje, SKO Skopje, BALJ Balqa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include JCT, FCAR, LONY, WHTX, DRIO, MIAR, ERPA, LCAR, F62A, P49A, TIP, WYNY, M53A, ALLY, ACSO, NCBW, URZ, WCI, PEBM, 435B, WLAR, PKME, LBNH, O53A, T47A, P52A, Z41A, CCAR, BINY, 833A, NATX, SSWF, WWT, I63A, LMN, SSPA, OXF, MCWV, HKT, H61B, HRV, VAE, KSCST, TRNY, UCTZ, PAL, PAL, VBMS, L64A, OXZ, KMSC, GOGA, ATD, BRAL, PBRO, KEST, PGAV, CNCC, MVO, MVO, PVRL.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include ESDC, TIGA, PVIS, MTE, MTE, PMRV, PVAQ, CMIG, MDT, TORD, TORD, TORD, VVDA, DWB, MAB, MAW, BOS, BOSA, GQSA, ELIB, LPKZ, H03N2, H03N3, H03N1, NVL, TROLL, TROLL, SNA, SNA, SNA, SNA, VNA2, VNA3, BDFB, BDFB, PLCA, PLCA, CPUP, CPUP, VIE 24 09:04:16.4, MYKA, MYKA, KBA, KBA, OBKA, OBKA, WRA, ASAR, VANDA, NNC, ISC, Code, KURK, KURK, KURRB, KURRB, VANDA, BVAO, BVAO, BVAR, BVAR, I46R, ZALV, ZALV, MK31, MK31.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include MKAR, MKAR, NEIC, IDC, ISC, Code, BKZ, BKZ, RTZ, RTZ, GSPA, GSPA, PPT, H03S2, H03S3, H03N3, H03N2, H03N1, DZM, AC01, TA02, NNA, ASAR, H01W1, H01W2, H01W3, WB2, WRA, WBO, H11S2, H11S3, H11S1, TXAR, H11N3, H11N1, H11N2, IDC, ISC, Code, BKZ, BKZ, RTZ, RTZ, GSPA, GSPA, PPT, H03S2, H03S3, H03N3, H03N2, H03N1, DZM, AC01, TA02, NNA, ASAR, H01W1, H01W2, H01W3, WB2, WRA, WBO, H11S2, H11S3, H11S1, TXAR, TXAR.



Table with columns: Station Name, Time, Res, Phase ID, ISC, h m s, Res. Includes stations like Organ Pipe Nat, Camp Elliot, WAKE ISLAND Hy, etc.

NNC 24 09:58:16.8:5.6,51.81N;75.51E,h0km,mb2.6,mpv2.2, Error ellipse: s-maj=288.9km s-min=32.7km az=27.0, Suspected Mining explosion.

IDC 24 09:58:19.4:1.2,51.53N;75.72E,h0km,mbmp2.6/3, ML1.8/2, Error ellipse: s-maj=35.0km s-min=9.3km az=29.0

ISC 24 09:58:17.0:1.1,51.6N;0.1:75.35E:0.08,h0km,n9, n1512.8,3C-4D,Eastern Kazakhstan

Table with columns: Code, Station Name, Time, Res, Phase ID, ISC, h m s, Res. Includes stations like Kurchatov Arra, Kurchatov, Zalesovo Beam, etc.

CATAC 24 10:07:33.2:0.4,13.62N-89.00W,h14km,3km,MB5.4, ML2.1,El Salvador

Table with columns: Code, Station Name, Time, Res, Phase ID, ISC, h m s, Res. Includes stations like Las Pavas, Centro de Oper, Loma Larga, etc.

SOME 24 10:10:19.3,39.47N;73.97E,h15km KRNET 24 10:10:19.1,0.1,39.60N;73.84E,h14km,mb2.9

ISU 24 10:10:21.9:2.6,39.64N;73.84E,h0km,mb3.5,mpv3.4, Error ellipse: s-maj=20.9km s-min=1.1km az=169.0

ISC 24 10:10:21.7:1.4,39.63N;0.07:73.81E:0.03,h10km,n37, n1577.56,19C-18D,Tajikistan-Xinjiang border region

Table with columns: Code, Station Name, Time, Res, Phase ID, ISC, h m s, Res. Includes stations like Sufi-Kurgan, Osh, Tashata, etc.

Table with columns: Station Name, Time, Res, Phase ID, ISC, h m s, Res. Includes stations like baz=41, ARK Arkit, UCH Uchtor, etc.

IDC 24 10:11:25.3:4.3,36.81S;179.20E,h0km,mb3.3/2, mbmp3.4/3,ML3.3/1,MS3.4/1, Error ellipse: s-maj=67.4km s-min=52.6km az=117.0

WEL 24 10:11:30.9:0.9,37.5S;17.9E:1.2,h12km,M3.1/22, ML3.4/31,MLV3.1/22, Error ellipse: s-maj=0.0km s-min=0.0km az=87.6,confirmed

ISC 24 10:11:27.9:2.4,37.12S;0.07:179.1E:0.1,h12km,n11km, n44,c1916/48,Off east coast of North Island

Table with columns: Code, Station Name, Time, Res, Phase ID, ISC, h m s, Res. Includes stations like MXZ Matakoa Point, WMGZ Waiomatatini S, etc.

Table with columns: Station Name, Time, Res, Phase ID, ISC, h m s, Res. Includes stations like TSZ Takapari Road, WCZ Waipua Caves, etc.

JMA 24 10:30:23.4:0.1,34.7N;12.3E:1.7,h404km,MV3.4/19,SE OFF KII PENINSULA

IDC 24 10:30:28.0:0.8,33.90N;136.97E,h359km,7km,mb3.0/13, mbmp3.7/18, Error ellipse: s-maj=17.0km s-min=11.4km az=70.0

ISC 24 10:30:28.3:0.8,33.91N;0.09:136.96E:0.09,h360km,7km, n28,c071/30,mb3.4/13, Near south coast of western Honshu

Table with columns: Code, Station Name, Time, Res, Phase ID, ISC, h m s, Res. Includes stations like TONANKAI O.B.S, JIE Ise, WAKAYAMA, etc.

JMA 24 10:38:54.6:0.2,25.7N;122.7E:0.4,h109km,1km, MV2.0/11,NW OFF ISHIGAKIJIMA IS

TAP 24 10:38:54.3,24.68N;122.66E,h112km,ML3.0,D ISC 24 10:38:55.3:1.5,24.63N;0.05:122.68E:0.03,h102km,8km, n81,c1917/157,Taiwan region

Table with columns: Code, Station Name, Time, Res, Phase ID, ISC, h m s, Res. Includes stations like YONG Yonagunijimaku, YOJ Yonagunijima, etc.

Table with columns: Code, Station Name, Az, El, Pn, Time, Res. Includes stations like ETL Fush Village, NWLT Wulai, NACB Ninganchiao, etc.

Table with columns: Code, Station Name, Az, El, Pn, Time, Res. Includes stations like WHYT Xinyi Township, CHKT Chengkung, WNT Mingjian, etc.

Table with columns: Code, Station Name, Az, El, Pn, Time, Res. Includes stations like TSLK Paravola, PVO Paravola, EFP Efpallo, etc.

NAO 24 11:11:12.7, 35.94N, 23.05E, h33km, mb3.7, IDC 24 11:11:26.2, 1.3, 37.57N, 20.26E, h0km, mb3.777, mbmp3.7/8, ML4.3/1, MS2.5/1, Error ellipse: s-maj=29.8km s-min=21.9km az=72.0

THE 24 11:11:26.8, 37.36N, 20.52E, h0km, 1km, ML3.7/12, Error ellipse: s-maj=27km s-min=0.7km az=217.0 TIR 24 11:11:26.9, 37.32N, 20.11E, h53km, 17km, Md4.5, Ml3.8 ATH 24 11:11:26.2, 37.34N, 20.49E, h7km, 2km, ML3.8/16, Manual Solution by M.Kolligri This location: 2020/05/19 23:49:52 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 2 km; Longitude uncertainty: 2 km; NEIC 24 11:11:27.4, 2.2, 37.40N, 0.06, 20.51E, 0.07, h10km, 1km, mb4.4/7, Error ellipse: s-maj=11.1km s-min=8.5km az=206.0

ISC 24 11:11:26.7, 1.3, 37.36N, 0.03, 20.51E, 0.03, h10km, 8km, n103, s1904/131, mb4.0/11, Ionian Sea

IDC 24 11:12:51.2, 1.6, 33.02S, 178.66W, h0km, mb4.2/3, mbmp4.2/4, ML3.9/1, MS3.7/10, Error ellipse: s-maj=42.4km s-min=33.2km az=69.0 NEIC 24 11:12:56.6, 1.5, 33.16S, 105.178, 6W, 0.2, h35km, 2km, mb4.2/11, Error ellipse: s-maj=24.4km s-min=7.7km az=102.0 WEL 24 11:14:07.2, 38.5, 21.1, 17.8E, 1.3, h34km, 14km, M2.3/13, ML2.4/14, MLv2.3/13, Error ellipse: s-maj=0.0km az=175.2

ISC 24 11:12:56.1, 1.1, 33.19S, 0.09, 178.6W, 0.2, h32km, n54, s1901/46, mb4.2/9, MS3.7/9, South of Kermadec Islands

Table with columns: Code, Station Name, Az, El, Pn, Time, Res. Includes stations like RAO Raoul Island, MXZ Matakaoa Point, PKGZ Pakihoro, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Ouen Toro, Mont Dzumac, Eidsvold, Papeete, etc.

SDD 24 11:17:11.0s 1.3, 18.65N:68.42W, h138km, 24km, MD2.9, ML2.4, MW2.6

NEIC 24 11:17:11.8-1.2, 19.1N:0.1-68.2W:0.1, h35km, 2km, ML2.4/12.1D, Error ellipse: s-maj=24.6km s-min=3.1km az=221.0, North Atlantic Ocean

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Miches, Agudilla, Puerto Rico, Cabo Rojo, etc.

NEIC 24 11:17:53.1-0.9, 18.78N:0.09-68.33W:0.09, h35km, 2km, s-min=14.3km az=218.0, Mona Passage

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Cabo Rojo, Magueyes, Esperanza, Cerrillos, etc.

NEIC 24 11:27:07.3-1.5, 30.0S:0.2-177.5W:0.4, h38km, 24km, mb4.3/11, Error ellipse: s-maj=54.3km s-min=4.9km az=59.0

IDC 24 11:27:08.1-3.3, 29.49S:177.24W, h69km, 17km, mb3.6/3, mb1m, 3.9/3, MS3.3/1, Error ellipse: s-maj=71.3km s-min=42.2km az=170.0

ISC 24 11:27:06.1-1.6, 30.1S:0.1-177.5W:0.2, h35km, n18, 0.97/19, mb4.3/10, Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Raoul Island, Lord Howe, Stephens Creek, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Warramunga, WRA, WB0, Casey, etc.

IDC 24 11:28:30.4-3.7, 54.00N:90.05E, h0km, mbtmp3.0/3, ML2.5/3, Error ellipse: s-maj=36.3km s-min=24.0km az=25.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ZALEVO, ZALV, ZALW, Kurbb, etc.

IDC 24 11:44:16.2-0.5, 8.10S:156.42E, h0km, mb4.5/18, mbtmp4.5/19, MLS.8/1, MS3.6/15, Error ellipse: s-maj=19.6km s-min=14.7km az=95.0

BUI 24 11:44:16.3-0.0, 7.85S:156.53E, h5km, mb4.8/38, mb5.2/22, Ms4.0/4, Ms4.7/44

NEIC 24 11:44:18.0-1.7, 8.11S:0.08-156.43E:0.07, h10km, 1km, mb4.9/98, Error ellipse: s-maj=14.0km s-min=10.6km az=31.0

DJA 24 11:44:25.0-5.6, 8.4S:4.15E, h48km, 8M, 7/14, mb5.3/5, mb4.6/14, MLV4.6/2, Mw(mB)4.7/5

ISC 24 11:44:18.9-0.3, 8.13S:0.05-156.46E:0.05, h18km, n166, 0.123/158, mb4.9/74, MS3.7/15, 1D, Bougainville-Solomon Islands region

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

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

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

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

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RPZ, PSA00, MLZ, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MJB9, MJB9, JNU, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DLV, DLV, KSR5, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KSA9, KS19, PPT, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JKA, NJ2, NJ2, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like USA0B, USR1, USR2, etc.

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

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

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

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

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

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

24d 12h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like KLU Klutina, MLY Manley, C19K Lookout Ridge, etc.

IDC 24 11:46:18.1±590.0,57.07N,0.48E,h0km, Error ellipse: s-maj=249.9km s-min=172.7km az=86.0, North Sea

AEIC 24 12:01:30.7±6.3,59.7N,0.1±1.79;7E:0.2,h9km±8km, Error ellipse: s-maj=17.9km s-min=15.2km az=78.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like GAMB Gambell, PVDR Provideniya, etc.

2018 APR

Main table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like ANDR 150nm,0.4s, ANDR 430nm,0.5s, etc.

1554

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like E25K comp=Z,1.0nm,1.1s, D25K Kavik River, etc.

Table with columns: Station Name, Frequency, Power, Mode, Azimuth, Elevation, SNR, and other technical details. Includes stations like SONM Sogino Array, ULM Lac du Bonnet, and many others.

Table with columns: Station Name, Frequency, Power, Mode, Azimuth, Elevation, SNR, and other technical details. Includes stations like CMAR Chiang Mai Arr, GEYT Alibek, and many others.

Table with columns: Station Name, Frequency, Power, Mode, Azimuth, Elevation, SNR, and other technical details. Includes stations like CD2, IPM lphoh, and many others.

24d 12h

Table with columns: STKI, Sintag, 23.64 138 P, P, 12 28 46.0 +0.7. Rows include stations like TWGBT, SSLB, Suanglung, TIY, YULB, etc.

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Table with columns: TDK, Taldyqorghan, 30.43 335 eP, P, 12 29 46.3 +0.1. Rows include stations like PWJI, ZSN, MKAR, etc.

1556

Table with columns: ZALV, comp=Z,1.4nm,0.7s, baz=176,slow=8.8,SNR=56. Rows include stations like BRZS, BRZS, MDH, etc.



24d 12h

2018 APR

1558

Table with columns for station ID, name, coordinates, and various data points. Includes stations like Stuetta, Black Forest, Nord, Lac Senin/Sane, etc.

Table with columns for station ID, name, coordinates, and various data points. Includes stations like Novinta River, Coldfoot, Kavik River, etc.

Table with columns for station ID, name, coordinates, and various data points. Includes stations like Sand Creek, PAX, Tolsona, Glenn, etc.





Table with columns: NACB, Ninganchiao, 0.25 236 P, Pb, 12.46 33.0 +0.1, etc. Includes stations like WRA, ASAR, MKAR, KURBB, BVAR, etc.

IDC 24 12:46:36.2 ± 1.6, 5.14N, 125.12E, h0km, mb3.5/5, mbtm3.5/5, Error ellipse: s-maj=173.3km s-min=21.4km az=65.0, Mindanao

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA, ASAR, MKAR, KURBB, BVAR.

NEIC 24 13:17:47.9 ± 0.5, 36.457N, 0.010:96.87W, 0.01, h5km, 1km, Error ellipse: s-maj=2.7km s-min=1.6km az=42.0

TUL 24 13:17:48.0 ± 0.5, 36.464N, 0.010:96.87W, 0.01, h5km, 2km, ML3.4, mb\_Lg3.3/135(NEIC), ML3.4/68(NEIC), Error ellipse: s-maj=1.4km s-min=1.1km az=166.0

IDC 24 13:17:52.1 ± 2.0, 36.49N, 97.26W, h0km, mb3.4/1, mbtm3.1/4, ML2.9/3, Error ellipse: s-maj=26.9km s-min=15.3km az=110.0

ISC 24 13:17:48.4 ± 1.0, 36.46N, 0.02:96.89W, 0.03, h5km, 7km, n110, c088/54, Oklahoma

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like OK051, OK048, QUOK, BLOK, OK033, etc.

Main table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like OK032, OKCSW, KAN08, KAN12, W35A, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like I42A, K22A, TKL, PDAR, etc.

HEL 24 13:25:55.8 ± 0.7, 67.80N, 20.18E, h0km, ML1.3, Suspected explosion

UPP 24 13:20:55.4 ± 0.0, 67.82N, 20.21E, h0km, ML1.9, Confirmed Induced event, Sweden

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

WEL 24 13:21:34.4 ± 1.1, 47.59°S, 166.12E, h12km, M3.8/12, ML4.0/19, MLV3.8/12, Error ellipse: s-maj=0.0km s-min=0.0km az=4.4, confirmed, Off west coast of South Island

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

IDC 24 13:25:48.4 ± 2.5, 18.07N, 96.24E, h0km, mb3.3/2, mbtm3.3/2, ML2.5/1, Error ellipse: s-maj=30.4km s-min=21.5km az=136.0, Myanmar

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

IDC 24 13:45:03.6 ± 1.6, 37.40N, 20.70E, h0km, mb3.5/6, mbtm3.5/8, ML3.9/2, Error ellipse: s-maj=37.5km s-min=23.9km az=131.0

TIR 24 13:45:03.8 ± 3.7, 25N, 20.63E, h43km, 58km, M4.6, M13.9 THE 24 13:45:06.8 ± 3.7, 39N, 20.54E, h0km, 1km, ML3.5/9, Error ellipse: s-maj=2.3km s-min=0.8km az=226.0

ATH 24 13:45:06.2 ± 3.7, 37N, 20.52E, h8km, ML3.6/17, Manual Solution by M.Charalampakis This location: 2020/05/19 02:06:26 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 1 km, Longitude uncertainty: 1 km

ISC 24 13:45:06.3 ± 1.4, 37.37N, 0.04:20.59E, 0.04, h16km, gkm, n65, c1512/8, mb3.5/6, Ionian Sea

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KRI1, LTHK, LTHK, PSDA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like VLS Valsamata, LXRA Lixouri, Kipoura, Keph, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like USRK Ussuriysk Arr, HNR Honiara, LSA Lhasa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BATI Baumata, WRA Warramunga Arr, ASAR Alice Springs, etc.

24d 14h

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like URZ Urewha, RAGZ Rawiri, MUGZ Murupara, etc.

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

DJA 24 14:35:29.7, 0.4, 5°N, 4°12'5E, h50km, 50km, M4, 6/7, mB5.3/3, mb4.6/7, MLV4.6/7, Mw(m)B4.7/3

NEIC 24 14:35:30.7, 2.1, 5.42N, 0.06x124.79E, 0.08, h47km, 9km, mb4.3/20, Error ellipse: s-maj=11.7km s-min=8.7km az=99.0

IDC 24 14:35:32.0, 2.3, 5.41N, 124.84E, h69km, 23km, mb3.6/10, mbmp3.9/11, MS3.2/11, Error ellipse: s-maj=28.2km s-min=12.3km az=79.0

ISC 24 14:35:31.3, 0.5, 5.34N, 0.05x124.77E, 0.07, h62km, n65, r148/56, mb4.2/20, Mindanao

Main table of station data with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like SGSI Sangihe, DAV Davao City (W), DAV Davao City (E), etc.

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Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like YAK Yakutsk, KURBS Kurchatov, KURK Kurchatov, etc.

ROM 24 14:57:06.0, 0.0, 43.021N, 0.002x13.007E, 0.004, h8km, ML2.9/21, 6C-1D, Error ellipse: s-maj=0.3km s-min=0.2km az=55.0, Central Italy

Main table of station data with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like FDMO Fiordimonte, FDMO FDMO, FDMO FDMO, etc.

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Main table of station data with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like SNTG, SNTG, SNTG, SSM1 San Severino M, etc.

Table with columns: CAMP, Station Name, AML, AML, Time, Res. Includes stations like COR1 Corinaldo, ATPI Pietralunga, PIEI Pleia, etc.

Table with columns: T1220, Station Name, AML, AML, Time, Res. Includes stations like Camerino, Frazzese, Cessapalombo, Fiuminata, etc.

Table with columns: MMUR, Station Name, AML, AML, Time, Res. Includes stations like Monte Urbano, Leonessa, Scheggia e Pas, etc.

Table with columns: ROM 24, Code, Station Name, A°, AZ°, Op, ISC, Phase ID, Time h m s, Res ISC. Includes stations like Muccia, Frazio, Fiuminata, etc.



IDC 24 15:44:53.0, 7.0, 0.76N; 120.39E, h0km, mb3.9/11, mbtmp3.9/11, MS3.5/4, Error ellipse: s-maj=62.8km

s-min=14.2km az=68.0 DUA 24 15:44:56.5, 0.4, 1.1, N4.4x12.0E, h10km, M4.7/13, mb4.9/4, mB5.5/2, MLV4.5/13, Mw(mb)5.0/2

ISC 24 15:44:55.7, 0.7, 0.76N; 120.13E, 0.08, h10km, n26, s141213, mb4.0/12, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Az2, Phase ID, ISC, Time, Res, ISC. Lists various seismic stations and their recorded data.

BGR 24 15:51:20.9, 34.03N; 72.80E, h33km, mb5.3 MOS 24 15:52:03.9, 0.9, 36.70N; 70.75E, h266km, mb5.1/52, Error ellipse: s-maj=4.3km s-min=3.1km az=95.9

BUI 24 15:52:04.4, 0.0, 36.73N; 70.78E, h266km, mb4.9/71, mP4.8/58

NEIC 24 15:52:05.0, 1.1, 36.72N; 0.07, 70E; 0.09, h261km, 5km, mb4.9/262, Error ellipse: s-maj=11.3km s-min=9.3km az=121.0

GCMT 24 15:52:05.0, 1.1, 36.72N; 0.02, 70E; 59E; 0.02, h261km, 2km, MW5.0/106, Moment Tensor Solution. s47, c55; s106, c144; Duration: 0 Moment tensor: Scale 10^16Nm; Mn=2.47E-12; M0=1.91E-15; M0=0.56E-15; M0=2.2E-12; M0=0.72E-14; M0=3.98E-11; Best double couple: M0=4.24000x10^16 Np1=16.00000; s77.00000; 1.75.00000; NP2=246.00000; s19.00000; 1.139.00000

Principal axes: T 5.2170, P1g55.0000; Azm267.0000; N 1.5890, P1g14.0000; Azm19.0000; P -3.6310, P1g31.0000; Azm18.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

Triangular moment-rate function IDC 24 15:52:05.0, 6.0, 36.62N; 70.73E, h274km, 3km, mb4.5/37, mbtmp5.2/45 Error ellipse: s-maj=7.5km s-min=6.0km az=176.0

NNC 24 15:52:07.7, 3.2, 37.06N; 70.57E, h259km, 32km, mb4.3, mpv5.5, Error ellipse: s-maj=41.2km s-min=19.0km az=156.0

SOME 24 15:52:10.1, 37.07N; 70.73E, h25km ISC 24 15:52:05.2, 0.2, 36.94N; 0.03, 70.89E; 0.02, h268km, 1km, h268km, P-P, n216, s19271348, mb4.9/358, 48C-85D, Hindu Kush region

Table with columns: Code, Station Name, Az, Az2, Phase ID, ISC, Time, Res, ISC. Lists seismic stations in the Hindu Kush region.

Main table with columns: BRLS, comp, pmax, pmax. Lists seismic events with their magnitude, depth, and station data.

Table with columns: WMQ, S, S, 157 59.4 -6.0. Lists seismic events with magnitude, depth, and station data.





Table with columns for station name, frequency, mode, and signal strength. Includes stations like LIA Limnos Island, JOF Joensuu, THAS Thassos island, etc.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like NJ2 Nanjing, AAL Aaland, DL2 Dalian, etc.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like CEY Cerknica, JET Jettan, LUN Lund, etc.

24h 15h

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Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like NOR501, NB2, NB2, NOA, etc.

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like VLA, HVA, HHRW, HSPB, etc.

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like YSS, MAJO, NOR, etc.

Table with columns: ID, Name, Value, P, P, Date, Time, etc. Rows include stations like LSZ, USUMG, TOAO, TORL, ILULI, A19K, A21K, SWI, C16K, SFJD, B18K, A22K, C17K, B20K, B21K, B22K, B21K, F14K, D19K, E17K, D20K, E18K, E18K, C21K, F15K, NRS, C23K, E20K, F17K, A17K, F18K, D22K, D22K, E21K, G19K, G15K, C24K, F18K, G16K, G16K, D23K, F19K, D24K, C26K, G17K, F20K, E22K, E22K, TOLK, D25K, D25K, H16K, G18K, A36M, G19K, G19K, F21K, F21K, F22K, H17K, H17K, E23K, H18K, H18K, G21K, H19K, H19K, G22K.

Table with columns: ID, Name, Value, P, P, Date, Time, etc. Rows include stations like J14K, D27M, I17K, COLD, E25K, K13K, IMAR, D28M, F24K, H20K, GCSA, G23K, J16K, J16K, F25K, H21K, H21K, E28M, M11K, F26K, E27K, J17K, J17K, K12K, K15K, BMAR, I20K, G24K, G24K, E29M, E29M, G25K, L14K, L14K, I21K, H23K, J19K, J19K, L15K, J18K, J18K, G26K, J20K, J20K, K17K, K17K, F28M, H24K, MLY, MLY, H25L, M13K, C36M, MBWA, INK, INK, INK, I23K, I23K, M14K, L16K, L16K, L17K, G27K, TTA, P08K, F30M, K20K, K20K, CHUM, POKR, POKR, M15K, BPAW, BPAW, L18K, PRP, NEA2, NEA2, COLA, COLA.

Table with columns: ID, Name, Value, P, P, Date, Time, etc. Rows include stations like COLA, COLA, DBIC, DBIC, G29M, H27K, H27K, N14K, N14K, F31M, F31M, TIC, M16K, M16K, CAST, CAST, G30M, ILAR, ILAR, ILAR, M17K, M17K, KTH, LIC, FRB, L19K, L20K, G31M, G31M, HDA, HDA, I26K, I26K, PPLA, I27K, H29M, H29M, TRF, N16K, MCK, EPYK, J25K, J25K, M18K, RND, I28M, I28M, KNRA, KNRA, M20K, J26L, J26L, O15K, K24K, N18K, EGAK, CUT, CUT, SKT, O16K, WAT1, SCRK, SCRK, H31M, H31M, DHY, DHY, I30M, I30M, K27K, WAT6, N20K, M22K, PAX, O18K, J29N, J29N, GHO, P17K, DAWY, J30M, PMR, SML, SML, L26K, L26K, P18K.

24d 16h

2018 APR

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Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, Power, and other parameters. Includes stations like M23K, SCM, SCM, HARP, Q16K, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, Power, and other parameters. Includes stations like WRA, WRA, WRA, WB2, R33M, R33M, Q32M, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, Power, and other parameters. Includes stations like BRTR, ARU, DLBC, ILAR, etc.

IDC 24 16:06:15.3:3.6, 58.045x140.38W, h0km, mb4.1/2, mbtmp4.1/2, MS3.3/2, Error ellipse: s-maj=287.6km s-min=56.7km az=157.0, Pacific-Antarctic Ridge

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, Power, and other parameters. Includes stations like Vnda, PPT, H03S2, etc.

SKHL 24 16:07:25.9:0.1, 43.20Nx145.90E, h84km, 3km, mb4.0/3, msha4.9/3, JMA 24 16:07:25.6:0.2, 43.3N:0.6:145.9E:0.9, h85km, 1km, MV2 9/39, OFF NEMURO PENINSULA

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, Power, and other parameters. Includes stations like NEM2, NEM2, NEM2, NMR, etc.

ISC 24 16:07:31.2:3.6, 55.65N:153.59W, h0km, mb3.3/3, mbtmp3.3/5, ML3.2/2, Error ellipse: s-maj=69.3km s-min=33.5km az=150.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, Power, and other parameters. Includes stations like SII, SII, SII, OHAK, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Kodiak Island, Kodiak Island, Kodiak Island, etc.

NEIC 24 16:21:08.5, 0.3, 36; 15.0N; 01:97.48W; 0.01, h6km, 1km, Error ellipse: s-maj=1.7km s-min=1.4km az=143.0

TUL 24 16:21:08.0, 0.4, 36; 15.2N; 009.87W; 0.01, h7km, 4km, M2.3, mb, Lg2.2/4(NEIC), ML2.5/70(NEIC), Error ellipse: s-maj=1.7km s-min=1.1km az=112.0, Oklahoma

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Liberty Lake, Mehan, 350nm, 0.3s, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Winter Ranch, U32A, U32A, etc.

IDC 24 17:04:26.0, 0.318, 0.58; 22N; 9.33W, h0km, Error ellipse: s-maj=223.9km s-min=112.0km az=61.0, North Atlantic Ocean

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like I37NO, I26DE, I48TN, I18DK, etc.

TIR 24 17:04:36.1, 40.50N; 19.49E, h20km, 1km, Md2.9, ML2.3, Albania

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like VLO, VLO, SRN, SRN, LSK, LSK, IGT, IGT, etc.

PRU 24 17:06:24.1, 50.33N; 19.12E, h0km, Poland

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MORC, MORC, LANS, LANS, KRCL, KRCL, DPC, DPC, VYHS, VYHS, etc.

IDC 24 17:17:34.0, 0.16, 0, 18.94S; 177.88W, h0km, mb3.6/3, mbmt3.6/3, Error ellipse: s-maj=409.4km s-min=43.8km az=37.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like WRA, WRA, ASAR, ASAR, VANDA, VANDA, etc.

IDC 24 17:40:30.2, 2.2, 4.1; 11N; 125.06E, h0km, mb3.2/3, mbmt3.2/3, MS1.6/1, Error ellipse: s-maj=28.8km az=64.0, Talau Islands

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

NEIC 24 17:41:16.5, 50.50N; 130.15W, h5km, Moment Tensor Solution. Moment tensor: Scale 10^15Nm; M1=0.16; M2=-1.85; M3=0.70; M4=-0.51; M5=1.07; M6=-2.24; Fault plane solution: M=2.90000x10^15 NP1=36.00000, 337.00000, 76.00000, Principal axes: T=3.2764, P1=37.0000, Azm108.0000; N=1.3502, P2=65.000, Azm329.0000; N=1.9261, P3=22.000, Azm116.0000

PGC 24 17:41:16.5, 0.3, 50.50N; 130.15W, h10km, MLS3.3/15, Mw4.3, 194km west of Pt. Hardy, Bc Vancouver Island, Canada Region

IDC 24 17:41:17.2, 1.6, 50.55N; 129.84W, h0km, mb3.6/2, mbmt3.7/8, ML3.4/5, MS3.3/20, Error ellipse: s-maj=25.5km s-min=12.0km az=74.0

NEIC 24 17:41:17.9, 2.6, 50.62N; 129.88W; 0.09, h10km, 1km, mb3.9/26, Mw4.3(OTT), Error ellipse: s-maj=10.7km s-min=4.7km az=240.0

ISC 24 17:41:16.2, 0.8, 50.58N; 0.06; 130.04W; 0.06, h10km, n142.1, s142/123, mb3.8/8.4, MS3.3/14, Vancouver Island region

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CBB, CBB, GRNB, GRNB, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like HAWA, HAWA, C08A, C08A, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like BMO, BMO, WHY, WHY, N32M, N32M, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like FLYW, FLYW, FXWY, FXWY, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MZP, MZP, PD31, PD31, etc.

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

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like G27K, G27K, FFC, FFC, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like H24K, H24K, INK, INK, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like E29M, E29M, BMAR, BMAR, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PHWY, PHWY, D27M, D27M, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MDND, MDND, TOLK, TOLK, etc.



Table with columns: RM33, comp=N,216um,1.6s, AML, AML, ...

ROM 24 18:24:38.0-0.1, 43:019N-0:003:13:032E-0:004, h6km, ML1.5/6, 3C-1D, Error ellipse: s-maj=0.3km s-min=0.2km az=99.0, Central Italy

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

Table with columns: T1220, comp=N,504um,0.2s, AML, AML, ...

WEL 24 18:27:55.3-0.2, 41.1S:37\*14E, h39km, 4km, M3.0/43, ML3.3/42, MLV3.0/43, Error ellipse: s-maj=0.0km s-min=0.0km az=155.0, confirmed

NOU 24 18:27:55.1, 41.1S:174.26E, h42km, MLV3.5/10, Cook Strait, New Zealand

ISC 24 18:27:55.4:1.2, 41.1S:174.22E:0.003, h5km, 7km, n94, az=76/110, Cook Strait

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

ISC 24 18:29:33.4:2.4, 43:33N:105:35W, h0km, mbtmp3.0/3, ML2.5/2, Error ellipse: s-maj=48.3km s-min=8.8km az=154.0

NEIC 24 18:29:34.2:0.8, 43:52N:0:05:105:30W:0:08, h0km, 1km, ML3.2/61, Error ellipse: s-maj=10.3km s-min=8.8km az=96.0

ISC 24 18:29:35.0:0.9, 43:52N:0:05:105:30W:0:06, h0km, n41, az=90/93, Wyoming

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

Table with columns: PD31, Pinedale Array, 3.21 258, Pn, Pn, ...

IDC 24 18:42:13.9:0.9, 27.14N:140:05E, h379km, 9km, mb3.7/30, mbtmp4.5/34, Error ellipse: s-maj=10.6km s-min=9.1km az=103.0

NEIC 24 18:42:15.9:1.9, 27:32N:0:08:140:0E:0.1, h386km, 7km, mb4.3/178, Error ellipse: s-maj=11.8km s-min=11.8km az=96.0

JMA 24 18:42:16.5:0.4, 27.14N:140:05E, h399km, 4km, MV4.0/24, W OF O GASAWARA

ISC 24 18:42:14.9:0.5, 27:22N:0:05:140:24E:0:05, h389km, 4km, n543, az=132/524, mb4.3/123, 1C-1D, Bonin Islands region

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

Table with columns: Station Name, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Station Name, Elevation, Azimuth, Distance, Azimuth Error, Distance Error. Includes stations like ERM Ermo, YEM Ermo, YON Yanaguni jima, etc.

Table with columns: Station Name, Elevation, Azimuth, Distance, Azimuth Error, Distance Error. Includes stations like M13K Dall Lake, F14K Arctic Creek, ANM Nome, etc.

Table with columns: Station Name, Elevation, Azimuth, Distance, Azimuth Error, Distance Error. Includes stations like L19K White Mountain, D19K Kuna River, D19K Kuna River, etc.



Table with columns: Station ID, Name, Elevation, Azimuth, Azimuth Error, Azimuth Unit, Azimuth Type, Azimuth Status, Azimuth Value, Azimuth Unit, Azimuth Type, Azimuth Status, Azimuth Value, Azimuth Unit, Azimuth Type, Azimuth Status, Azimuth Value.

Table with columns: Station ID, Name, Elevation, Azimuth, Azimuth Error, Azimuth Unit, Azimuth Type, Azimuth Status, Azimuth Value, Azimuth Unit, Azimuth Type, Azimuth Status, Azimuth Value, Azimuth Unit, Azimuth Type, Azimuth Status, Azimuth Value.

Table with columns: Station ID, Name, Elevation, Azimuth, Azimuth Error, Azimuth Unit, Azimuth Type, Azimuth Status, Azimuth Value, Azimuth Unit, Azimuth Type, Azimuth Status, Azimuth Value, Azimuth Unit, Azimuth Type, Azimuth Status, Azimuth Value.



1577 PSRA Psara 3.37 326 P Pn 18 54 25.2 -0.1 YTR Yattir 7.42 124 P Pn 18 55 20.9 0.0

Table with columns: Call Sign, Name, Frequency, Mode, Band, and Offset. Includes stations like PSRA, DKL, EAG, KNDR, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Band, and Offset. Includes stations like EAGI, AKMS, PRK, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Band, and Offset. Includes stations like ANKY, SKY, VLI, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Band, and Offset. Includes stations like SKY, VLI, EZN, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Band, and Offset. Includes stations like SKY, VLI, EZN, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Band, and Offset. Includes stations like SKY, VLI, EZN, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Band, and Offset. Includes stations like SKY, VLI, EZN, etc.

2018 APR

Table with columns: Call Sign, Name, Frequency, Mode, Band, and Offset. Includes stations like YTR, DSI, DSD, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Band, and Offset. Includes stations like MSBI, GHAJ, HSJU, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Band, and Offset. Includes stations like MSBI, GHAJ, HSJU, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Band, and Offset. Includes stations like MSBI, GHAJ, HSJU, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Band, and Offset. Includes stations like MSBI, GHAJ, HSJU, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Band, and Offset. Includes stations like MSBI, GHAJ, HSJU, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Band, and Offset. Includes stations like MSBI, GHAJ, HSJU, etc.

24d 18h

Table with columns: Call Sign, Name, Frequency, Mode, Band, and Offset. Includes stations like OSTC, FETA, FUORN, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Band, and Offset. Includes stations like OSTC, FETA, FUORN, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Band, and Offset. Includes stations like OSTC, FETA, FUORN, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Band, and Offset. Includes stations like OSTC, FETA, FUORN, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Band, and Offset. Includes stations like OSTC, FETA, FUORN, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Band, and Offset. Includes stations like OSTC, FETA, FUORN, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Band, and Offset. Includes stations like OSTC, FETA, FUORN, etc.





24h 20h

Table with columns for call sign, name, frequency, and other parameters. Includes entries like PYA1 Pyatigorsk, ESPLYE Giresun, and various other stations.

2018 APR

Table with columns for call sign, name, frequency, and other parameters. Includes entries like VASR Vaslui, BIR Birlad, and various other stations.

1580

Table with columns for call sign, name, frequency, and other parameters. Includes entries like PSZ Piszkesteto, SUW Suwalki, and various other stations.

Table with columns: KEV, Kevo, 25.45 351, P, P, 20 53 05.4 +1.1, etc.

Table with columns: CEST, Esteri de Car, 26.16 278, P, Iamb, 20 53 12.9 +1.7, etc.

Table with columns: AAK, Ala-Archa, 26.64 82, P, P, 20 53 17.2 +1.7, etc.

Table with columns: EKA, Eskdalemuir Ar, 27.70 307, P, P, 20 53 26.7 +2.0, etc.

Table with columns: KURBS, Kurchatov Ar, 27.86 63, P, P, 20 53 28.8 +2.6, etc.

Table with columns: KURK, Kurchatov, 27.91 63, P, P, 20 53 28.8 +2.2, etc.

Table with columns: SPITS, Spitsbergen Ar, 34.38 352, P, P, 20 54 27.1 +3.8, etc.

Table with columns: TOAO, Torodi Ar. Sit, 43.94 235, P, P, 20 55 44.5 +0.7, etc.

Table with columns: EGMT, Eagleton, 5.28 326, Pn, Pn, 21 18 48.8 +1.4, etc.

Table with columns: NEIC 24 21:27:48.3, 1.8, 45:16N:0.04:106:89W:0.06, h0km, 1km, etc.

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

Table with columns: RSSD, Black Hills, 1.02 67, P, P, 21 17 46.7 +0.2, etc.

Table with columns: EGMT, Eagleton, 3.48 326, Pn, Pn, 21 18 45.7 +0.6, etc.

Table with columns: IDC 24 21:38:02.8, 0.5, 60:10S:31:10W, h0km, mb4.5/14, etc.

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

Table with columns: SNA, Sanae, 16.19 147, Pn, Pn, 21 41 50.2 -1.5, etc.

Table with columns: SMAI, San Martin Ant, 17.37 227, Pn, Pn, 21 42 06.3 -0.2, etc.

Table with columns: TROLL, Troll, Antarti, 17.84 146, P, P, 21 42 12.8 +0.4, etc.

Table with columns: ELIB, Villa O'Higgins, 26.32 278, P, P, 21 43 39.3 -0.8, etc.

Table with columns: PLTB, Pedras Altas, 31.99 322, P, P, 21 44 31.5 +1.0, etc.

Table with columns: SBA, Scott Base, 41.88 186, P, P, 21 45 55.0 +1.0, etc.

Table with columns: ITRB, Iturama, 42.58 333, P, P, 21 46 02.9 +2.5, etc.

Table with columns: SDBA, SAO DESIDERIO, 48.65 342, P, P, 21 46 50.8 +2.3, etc.

Table with columns: LPTB, Lobatse, 52.21 74, LR, LR, 22 06 20.1, etc.

Table with columns: ID, Name, Date, Time, Status, and other details. Includes entries like H1052 ASCENSION HYDR52.51, H1033 ASCENSION HYDR52.51, SMTB Santa Maria do, etc.

Table with columns: ID, Name, Date, Time, Status, and other details. Includes entries like PLBC Pleasant Camp, WHY Whitehorse, FARO Faro, etc.

Table with columns: ID, Name, Date, Time, Status, and other details. Includes entries like E27K Coleen River, K24K Donnelly Dome, D27M Malcom River, etc.



D23K	Nanushuk River	153.62 315	P	PKPab	21 58 15.6	+1.2
H21K	Melozitna Rive	153.67 307	P	PKPab	21 58 16.3	+1.6
C23K	Kliklik River	153.75 317	P	PKPab	21 58 17.1	+2.2
J20K	Nowinta River	153.79 304	P	PKPab	21 58 17.5	+2.2
E27K	Nushagak Hills	153.85 295	P	PKPab	21 58 17.4	+1.8
N12K	Anaktuvuk Pass	153.83 313	P	PKPab	21 58 17.2	+1.7
F22K	John River	153.88 311	P	PKPab	21 58 17.2	+1.7
O16K	Kokwok River B	153.89 292	P	PKPab	21 58 16.7	+0.9
S12K	Black Hills	154.01 282	P	PKPab	21 58 17.9	+1.5
I20K	Nagledeneel	154.11 305	P	PKPab	21 58 17.3	+0.7
G21K	Allakaket	154.16 309	P	PKPab	21 58 17.3	+0.6
TTA	Tatalina	154.19 300	P	PKPab	21 58 18.6	+1.5
FALS	False Pass	154.24 280	P	PKPab	21 58 17.6	+0.2
L18K	Granite Mounta	154.25 299	P	PKPab	21 58 18.3	+1.1
F21K	Alatina River	154.31 311	P	PKPab	21 58 19.4	+2.0
D22K	Aiykyak River	154.32 314	P	PKPab	21 58 17.3	-0.1
J19K	Poorman	154.35 303	P	PKPab	21 58 18.4	+0.8
H20K	Anguliteegua Mo	154.46 306	P	PKPab	21 58 19.0	+0.9
O15K	Unqallik River	154.53 291	P	PKPab	21 58 19.3	+0.8
N16K	Nishlik Lake	154.55 294	P	PKPab	21 58 19.9	+1.3
J18K	Innoko River	154.66 301	P	PKPab	21 58 20.5	+1.5
E21K	Killik River	154.72 313	P	PKPab	21 58 20.5	+1.3
B22K	Teshepuk Lake	154.77 318	P	PKPab	21 58 21.2	+2.0
M16K	Timber Creek	154.84 295	P	PKPab	21 58 21.5	+1.7
L17K	Donlin	154.93 298	P	PKPab	21 58 21.8	+1.6
N15K	Kwethluk River	155.04 293	P	PKPab	21 58 21.9	+1.2
G9CA	Galena City Sc	155.09 304	P	PKPab	21 58 21.7	+1.1
H13K	Roundabout Mou	155.10 306	P	PKPab	21 58 22.3	+1.6
B21K	Ikpikpuk River	155.10 316	P	PKPab	21 58 22.3	+1.7
C21K	Knifblade Rid	155.11 315	P	PKPab	21 58 22.4	+1.6
K17K	Iditarod	155.12 299	P	PKPab	21 58 22.5	+1.5
F20K	Avaraart Lake	155.13 310	P	PKPab	21 58 22.6	+1.8
O14K	Tiguyakuivut M	155.23 290	P	PKPab	21 58 23.2	+1.7
UNV	Unalaska Valle	155.24 275	P	PKPab	21 58 23.1	+1.4
L16K	Owhat River	155.31 296	P	PKPab	21 58 23.4	+1.6
A22K	Sinclair Lake	155.33 319	P	PKPab	21 58 23.1	+1.5
MJAR	Matsushiro Arr	155.49 159	PKPab	21 58 23.6	+0.4	
G19K	Purcell-1	155.49 159	PKPab	21 58 23.1	+0.6	
E20K	Nigu River	155.50 313	P	PKPab	21 58 24.2	+1.7
M15K	Kasigliuk River	155.51 294	P	PKPab	21 58 24.0	+1.4
J17K	VADM Dome	155.66 300	P	PKPab	21 58 23.8	+0.5
N14K	Kuskokwak Cree	155.69 291	P	PKPab	21 58 23.0	+0.4
D20K	Etluk River	155.71 314	P	PKPab	21 58 24.3	+0.9
E19K	Redstone River	155.78 311	P	PKPab	21 58 23.9	+0.3
H18K	Honhosa River	155.80 305	P	PKPab	21 58 24.2	+0.4
F19K	Shaleruckik Mo	155.89 309	P	PKPab	21 58 23.6	-0.5
N1KH	Nikolski High	155.94 272	P	PKPab	21 58 25.5	+0.8
B20K	Mesade River	156.01 317	P	PKPab	21 58 24.8	+0.3
SNY	Shenyang	156.05 128	PKP	21 57 59.9	+1.9	
G18K	Tegagawik	156.07 306	P	PKPab	21 58 25.9	+0.9
M14K	Bethel	156.12 293	P	PKPab	21 58 25.7	+0.5
L15K	Ungalak Mounta	156.21 296	P	PKPab	21 58 26.9	+1.2
D19K	Kuna River	156.24 313	P	PKPab	21 58 27.0	+1.4
J16K	Anvik River	156.29 300	P	PKPab	21 58 26.8	+0.8
H17K	Granite Mounta	156.39 304	P	PKPab	21 58 27.6	+1.2
K15K	Wolf Creek Mou	156.42 297	P	PKPab	21 58 27.8	+1.3
I17K	Unalakleet	156.48 301	P	PKPab	21 58 27.4	+0.6
F18K	Selawik	156.59 308	P	PKPab	21 58 28.3	+1.2
M13K	Dall Lake	156.65 292	P	PKPab	21 58 29.0	+1.5
L14K	Kuka Creek	156.65 294	P	PKPab	21 58 28.8	+1.3
G17K	Kiwalik Mounta	156.81 305	P	PKPab	21 58 29.6	+1.5
C19K	Lookout Ridge	156.82 314	P	PKPab	21 58 29.2	+1.0
E18K	Tukpahleiric C	156.96 310	P	PKPab	21 58 29.1	-0.1
F17K	Baldwin Pennin	157.20 307	P	PKPab	21 58 31.0	+1.3
H16K	Elim	157.31 303	P	PKPab	21 58 31.5	+1.2
A19K	Wainwright	157.35 317	P	PKPab	21 58 31.9	+1.6
C18K	Utukok River	157.38 313	P	PKPab	21 58 31.9	+1.3
J14K	Nanvanarak Lak	157.45 297	P	PKPab	21 58 32.0	+1.1
G16K	Koyuk River	157.49 305	P	PKPab	21 58 32.5	+1.5
E17K	Hotham Inlet	157.50 309	P	PKPab	21 58 32.4	+1.3
B18K	Kokolik River	157.62 315	P	PKPab	21 58 31.1	-0.4
K13K	Kusivlak Mount	157.72 295	P	PKPab	21 58 32.8	+0.6
M11K	Mekoryuk	157.97 291	P	PKPab	21 58 35.0	+1.8
RDOG	Red Dog Mine	157.99 311	P	PKPab	21 58 34.9	+1.8
D17K	Noatak River	158.04 311	P	PKPab	21 58 34.0	+0.6
C17K	DeLong Mountal	158.10 313	P	PKPab	21 58 35.0	+1.3
P08K	Saint George I	158.12 279	P	PKPab	21 58 34.3	+0.3
G15K	Niukluk	158.13 303	P	PKPab	21 58 34.9	+1.1
F15K	North Star Dit	158.48 305	P	PKPab	21 58 36.3	+1.0
ANM	Nome	158.62 302	P	PKPab	21 58 35.5	-0.5
SPIA	Saint Paul Is	158.72 280	P	PKPab	21 58 37.3	+0.7
C16K	Lisburne Hills	158.90 312	P	PKPab	21 58 38.4	+1.3
F14K	Arctic Creek	159.15 304	P	PKPab	21 58 39.6	+1.4
TNA	Tin City	159.82 304	P	PKPab	21 58 40.5	-0.6
MDJ	Mudanjiang	160.70 135	PKP	PKPdf	21 58 07.1	+3.6

MDJ	PP	PP	22 02 31.3	+2.8		
MDJ	SS	SS	22 22 40.6	-0.2		
MDJ	AMB	AMB				
comp-Z,150nm,6.5s						
GAMB	Gambell	161.26 298	P	PKPab	21 58 46.6	-0.8
HEH	HeiHe	164.40 120	PKP	PKPdf	21 58 10.0	+3.1
BGR 24 21:55:59.2,25'17S:176°76'W,h33km						
MOS 24 21:56:59.3,0.8,23'99S:179°79'E,h531km,mb5.2/33,						
Error ellipse: s-maj=9.0km s-min=7.5km az=113.4						
NEIC 24 21:57:00.2,23'91S:179°94'E,h540km,Moment Tensor						
Solution. Duration: 29. Moment tensor: Scale 10 <sup>17</sup> Nm;						
M=1.31; M=0.2; M=1.58; M=0.08; M=0.3; M=1.79;						
Fault plane solution: M2.36000x10 <sup>17</sup> NP1:						
p=355.73000°; s=70.28000°; λ=79.60000°; NP2:						
p=147.19000°; s=22.20000°; λ=116.72000°. Principal axes:						
T 2.5384, P1g25.0000°, Azm78.0000°; N -0.3582,						
P1g10.0000°, Azm172.0000°; P -2.1803, P1g63.0000°,						
Azm282.0000°						
NOU 24 21:57:00.5,23'92S:179°79'E,h553km,ML4.8/83, South						
of Fiji Islands						
NEIC 24 21:57:00.4, 1.4,23'94S:179°80'E,0.09,h531km,4km,						
mb5.1/167,Mw0.5,31,Mw0.5/18, Error ellipse:						
s-maj=12.6km s-min=11.6km az=107.0, Moment Tensor						
Solution. Moment tensor: Scale 10 <sup>17</sup> Nm; M=1.33;						
M=0.10; M=1.29; M=0.08; M=0.56; M=1.85; Fault						
plane solution: M2.36000x10 <sup>17</sup> NP1:p=353.36000°;						
s=71.54000°; λ=79.45000°. NP2:p=142.90000°; s=21.7000°;						
λ=118.75000°. Principal axes: T 2.3646, P1g26.0000°;						
Azm75.0000°; N -0.0192, P1g10.0000°, Azm170.0000°; P						
-2.3454, P1g62.0000°, Azm279.0000°						
IDC 24 21:57:00.3,0.6,24'01S:179°73'E,h533km,5km,mb4.5/30,						
mb1mp5.3/31 Error ellipse: s-maj=7.5km s-min=6.8km						
az=89.0						
BUJ 24 21:57:00.0,0.0,24'00S:179°80'E,h536km,mb4.8/60,						
bz=57						
NEIC 24 21:57:00.2,23'91S:179°83'E,h540km						
NEIC 24 21:57:00.2,23'91S:179°83'E,h529km						
GCMT 24 21:57:02.4,0.2,24'01S:179°81'E,0.02,h542km,1km,						
MW5.6/121, Moment Tensor Solution. s121,c188;						
Duration: 15s Moment tensor: Scale 10 <sup>17</sup> Nm;						
M=1.70±0.04; M=0.30±0.08; M=2.00±0.07; M=0.08±0.08;						
M=0.92±0.06; M=2.20±0.07; Best double couple:						
M=3.01000x10 <sup>17</sup> NP1:p=359.00000°; s=70.00000°;						
λ=74.00000°. NP2:p=138.00000°; s=26.00000°;						
λ=128.00000°. Principal axes: T 3.2070, P1g23.0000°;						
Azm76.0000°; N -0.3340, P1g15.0000°; Azm173.0000°; P						
-2.8140, P1g62.0000°, Azm283.0000°; nsta1 refers to						
body waves, cutoff=40s. Triangular moment-rate function						
ISC 24 21:56:59.9,0.3,24'07S:179°88E,0.03,h537km,3km,						
h538km,pP,1n531,c116/1708,mb5.0/158,97C-74D,						
South of Fiji Islands						
Code	Station Name	Δ°	AZ°	Phase ID	Time Res	
RIZ	Raoul Island	5.52 160	P	ISC	h m s	ISC
RIZ	Raoul Island	5.52 160	P	S	21 58 38.4	+1.7
RAO	Raoul Island	5.53 160	P	P	21 58 35.4	+1.9
RAO	Raoul Island	5.53 160	P	P	21 58 34.3	+0.8
RAO	Raoul Island	5.53 160	P	P	21 58 34.9	+1.4
RAO	52m,0.2s,baz=41,slow=9.3,SNR=40			S	21 59 51.6	+1.5
GLKZ	Green Lake	5.53 160	P	P	21 58 34.6	+1.0
GLKZ	Green Lake	5.53 160	P	S	21 59 48.1	-2.1
MSVF	Nonsavu	6.53 344	P	P	21 58 42.5	-0.7
MSVF	Nonsavu	6.53 344	P	P	21 58 42.0	+1.2
MSVF	Nonsavu	6.53 344	P	P	21 58 42.4	-0.7
TAVE	Taveuni	7.33 2	P	P	21 58 51.0	+0.3
YSA	Yasawairara	7.64 343	P	P	21 58 53.6	-0.3
DGTI	Dogotuki	7.73 359	P	P	21 58 54.5	-0.2
NIUE	Niue	10.70 64	P	P	21 59 24.4	-0.6
NIUE	Niue	10.70 64	P	P	21 59 24.3	-0.7
NIUE	Niue	10.70 64	P	P	21 59 23.5	+1.0
MARNC	Mare, Loyalty	11.23 281	P	P	21 59 30.5	-0.0
MARNC	Mare, Loyalty	11.23 281	P	P	21 59 30.3	+1.8
PINNC	Pines Island	11.52 275	P	P	21 59 34.5	+1.0
PINNC	Pines Island	11.52 275	P	P	21 59 34.5	+1.0
NFK	Norfolk Island	11.78 243	P	P	21 59 36.5	+0.3
QUENC	Ouen Island, N	12.10 275	P	P	21 59 41.5	+1.9
QUENC	Ouen Island, N	12.10 275	P	P	21 59 40.0	+1.2
YATNC	Mamie plateau,	12.13 277	P	P	21 59 41.8	+1.9
LIFNC	LIFOU	12.14 283	P	P	21 59 40.0	0.0
LIFNC	LIFOU	12.14 283	P	P	21 59 39.5	-0.5
ONTNC	Ouen Toro	12.48 275	P	P	21 59 45.4	+1.9
ONTNC	Ouen Toro	12.48 275	P	P	21 59 43.5	+0.1
DZM	Mont Dzumac	12.53 276	P	P	21 59 45.8	+1.8
DZM	Mont Dzumac	12.53 276	ePh	P	21 59 44.5	+0.4
DZM	285nm,1.1s			S	22 02 05.1	+5.8
DZM	137nm,1.6s			eSn		
DZM	Mont Dzumac	12.53 276	P	P	21 59 44.4	+0.2
DZM	Mont Dzumac	12.53 276	P	P	21 59 44.8	+0.6
DZM	97nm,0.5s,baz=84,slow=17,SNR=83			S	22 02 00.9	+1.6
NOUC	Port Laguerre	12.65 276	P	P	21 59 46.4	+1.1
AFI	Afiatamu	12.81 39	P	P	21 59 42.6	-4.5
AFI	Afiatamu	12.81 39	P	P	21 59 42.6	-4.5
KUZ	Kuaituna	13.13 195	P	P	21 59 50.8	+0.7
MXZ	Matakaoa Point	13.52 185	P	P	21 59 53.2	+0.8
MXZ	Matakaoa Point	13.52 185	P	P	21 59 53.0	-1.0
MXZ	Matakaoa Point	13.52 185	S	P	22 02 15.5	-2.0
HAZ	Te Kaha	13.76 187	P	P	21 59 57.1	+0.6
HAZ	Te Kaha	13.76 187	P	S	22 02 21.2	-0.8
WMGZ	Waiomatatini S	13.77 185	P	P	21 59 57.1	+0.5
PKGZ	Pakihia	13.86 186	P	P	21 59 56.1	-1.6
PKGZ	Pakihia	13.86 186	P	S	22 02 17.8	-6.3
RUGZ	Raukumara Rang	13.98 187	P	P	21 59 59.2	+0.2
RUGZ	Raukumara Rang	13.98 187	P	S	22 02 24.4	-2.2
PUZ	Puketiti	14.03 185	P	P	21 59 53.2	+0.8
PUZ	Puketiti	14.03 185	P	S	22 02 33.9	-3.9
TWGZ	Tauwhareparea	14.16 186	P	P	22 00 00.2	-0.5
TWGZ	Tauwhareparea	14.16 186	P	S	22 02 27.5	-2.3
URZ	Urewera	14.34 189	P	P	22 00 00.7	-1.9

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

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like Rocky Gully, Narrogin (SRO), and various regional stations.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like Petropavlovsk, Usuriysk Arra, and various regional stations.

CWC	comp=Z,20nm,0.9s Cottonwood Cre baz=234	83.93	46	P	P	22 08 34.5	+0.7
BELC	Belle Mtn. Jos baz=239,SNR=38	83.96	49	P	P	22 08 35.1	+1.3
CN2	Changchun comp=Z,10.0nm,0.8s	83.93	324	eP	pmax	22 08 33.3	-0.2
L02F	comp=Z,10.0nm,0.8s Cav Junction	84.03	39	P	P	22 08 34.6	+0.7
OHAK	Old Harbor baz=205	84.06	14	P	P	22 08 34.4	+0.7
MPMC	Manual Prospec baz=235,SNR=38	84.09	46	P	P	22 08 35.1	+0.4
BC3	Big Chickawall baz=236,SNR=18	84.11	49	P	P	22 08 35.7	+1.0
GSC	Goldstone, Bar baz=235,SNR=35	84.12	47	P	P	22 08 35.5	+0.9
MLAC	Mammoth, Mammo baz=234	84.14	44	P	P	22 08 36.1	+1.2
EMB	Emerald Bay baz=234	84.14	43	P	P	22 08 35.5	+0.7
TROLL	Troll, Antarti baz=234	84.16	181	UP	P	22 08 35.0	+0.7
HEC	Hector, Ludlow baz=236,SNR=30	84.17	48	P	P	22 08 35.9	+1.0
GLA	Glamis baz=237,SNR=22	84.22	50	P	P	22 08 36.4	+1.3
BNX	BinXian comp=Z,24nm,1.0s	84.24	326	UP	pmax	22 08 35.9	+1.1
BNX	BNX						
BNX	BNX						
TIA	comp=Z,98nm,3.8s Tai'an	84.27	314	P	pmax	22 08 35.8	+0.6
TIA	TIA						
K02D	comp=Z,14nm,0.8s Willamette Mer	84.35	38	P	P	22 08 36.7	+1.1
PIX	Pinacate baz=238	84.38	52	P	P	22 08 36.8	+1.0
O14K	Tiguykauivet M baz=197	84.46	10	P	P	22 08 36.3	+0.8
Q17K	Contact Creek baz=202,SNR=6.7	84.47	13	P	P	22 08 36.1	+0.3
SNAA	Sanae comp=Z,69nm,1.5s	84.50	179	P	IAMB	22 08 35.7	-0.2
SNAA	Sanae comp=Z,353nm,0.5s	84.50	179	UP	P	22 08 35.8	-0.1
SNAA	Sanae comp=Z,13nm,0.5s,baz=197,slow=9.8,SNR=87	84.50	179	P	P	22 08 35.7	-0.2
GMRC	Granite Mounta baz=236,SNR=29	84.60	48	P	P	22 08 38.4	+1.3
IRM	Iron Mountain baz=236,SNR=48	84.60	49	P	P	22 08 38.5	+1.5
O15K	Ungalikthiuk R baz=199	84.61	10	P	P	22 08 37.5	+1.2
KLR	Kul'dur comp=Z,8.5nm,0.9s,baz=118,slow=4.6,SNR=23	84.62	331	eP	pmax	22 08 37.6	+1.0
KLR	Kul'dur	84.62	331	eP	pmax	22 08 37.8	+1.2
HUMO	Hull Mountain comp=Z,46nm,1.6s	84.70	39	P	P	22 08 37.9	+0.7
HUMO	HUMO						
SRIT	comp=Z,48nm,1.1s Nakonsritamara	84.70	282	P	IAMB	22 08 38.3	+0.5
SRIT	SRIT						
Q16K	King Salmon baz=202,SNR=5.1	84.71	12	P	P	22 08 36.9	+0.2
GRAC	Grapevine Rang baz=235,SNR=7	84.72	46	P	P	22 08 39.1	+1.6
VNA3	Neumayer Olymp comp=Z,23nm,0.7s	84.72	177	UP	P	22 08 36.9	0.0
KDAK	Kodiak Island baz=205	84.73	14	P	P	22 08 38.2	+1.3
TUQ	Tuquoise Moun baz=236,SNR=7.0	84.78	48	P	P	22 08 38.7	+0.7
P16K	Nushagak River baz=200	84.79	11	P	P	22 08 37.9	+0.8
113A	Mohawk Valley, 113A	84.81	51	P	IAMB	22 08 38.5	+0.6
SHOC	comp=Z,33nm,1.1s Shoshone, Teco baz=239,SNR=22	84.81	47	P	P	22 08 38.4	+0.5
COYC	Coyhaique baz=138	84.84	139	P	P	22 08 39.7	+1.7
HSIG	HSIG	84.84	138	P	IAMB	22 08 39.2	+0.7
HSIG	HSIG						
M11K	comp=Z,52nm,0.8s Mlekoryuk baz=193	84.91	7	P	P	22 08 38.8	+1.1
NVAR	Mina Array Bea baz=235	84.95	44	P	P	22 08 39.2	+0.4
NVAR	Mina Array Bea baz=235	84.95	44	P	P	22 08 39.5	+0.7
NVAR	comp=Z,14nm,0.8s,baz=223,slow=8.2,SNR=84					22 08 37.5	+0.4
NVAR	comp=Z,3.2nm,0.9s,baz=227,slow=9.3,SNR=4.3					22 26 45.1	+1.4
NVAR	comp=Z,0.4nm,0.6s,baz=54,slow=4.6,SNR=5.3					22 08 39.9	+0.5
N14K	comp=Z,14nm,0.8s Kuskokwak Cree baz=197	85.04	9	P	P	22 08 38.9	+0.5
NV11	Mina Array Sit baz=200	85.04	44	P	P	22 08 39.6	+0.4
AY01	Puyuhuapi baz=239	85.05	137	P	IAMB	22 08 40.3	+1.3
AY01	AY01					22 08 42.1	
NVL	comp=Z,35nm,1.0s N'lazarevskaya	85.05	184	UP	eS	22 08 38.1	-0.4
NVL	NVL					22 18 07.3	-4.2
NVL	NVL						
214A	comp=Z,44nm,0.9s Organ Pipe Nat	85.06	52	P	IAMB	22 08 40.3	+1.1
214A	214A					22 08 42.0	
214A	comp=Z,32nm,1.0s Organ Pipe Nat baz=238	85.06	52	P	P	22 08 40.5	+1.3
VNA2	Neumayer-Watz comp=Z,33nm,0.5s,baz=232,slow=2.6	85.13	178	UP	P	22 08 39.6	+0.7
P17K	Kvichak River baz=202	85.23	12	P	P	22 08 39.1	-0.2
M13K	Dall Lake baz=195	85.28	8	P	P	22 08 39.6	+0.1
NEE2	Needles Airpor baz=237,SNR=6.3	85.30	49	P	P	22 08 41.5	+1.2
O16K	Kokwak River B baz=200	85.30	11	P	P	22 08 39.7	0.0
PDMCI	Parker Dam,Lak baz=237,SNR=28	85.38	49	P	P	22 08 41.4	+0.7
TPH	Tonopah baz=202	85.43	45	P	P	22 08 42.0	+0.9
TPH	TPH	85.43	45	P	pmax	22 08 42.0	+0.9
TPH	TPH						
LL06	comp=Z,128nm,0.9s Loncomilla	85.48	134	P	P	22 08 42.7	+1.5
N15K	Kwethluk River baz=198,SNR=6.0	85.52	10	P	P	22 08 41.5	+0.7
N15K	N15K					22 08 41.4	+0.7
Q20K	Shuyak Island baz=205	85.53	14	P	P	22 08 40.9	+0.1
Q19K	Cape Douglas, baz=204	85.55	13	P	P	22 08 41.1	+0.2
P18K	Big Mountain, baz=203	85.65	12	P	P	22 08 41.2	-0.2
O17K	Kolliganek Bris baz=201	85.65	11	P	P	22 08 41.3	0.0
M14K	Bethel baz=197	85.80	9	P	P	22 08 41.8	-0.2
M15K	Kasigluk River baz=198	85.93	9	P	P	22 08 42.2	-0.4
K05A	Summer Lake baz=204	85.96	39	P	IAMB	22 08 44.7	+1.2
K05A	K05A					22 08 46.0	
LL05	comp=Z,51nm,1.0s Los Muermos	85.97	134	P	P	22 08 45.2	+1.7
N16K	Nishik Lake baz=200,SNR=5.7	86.02	10	P	P	22 08 43.5	+0.4
O18K	Koktuk Hills baz=203	86.08	12	P	P	22 08 43.6	+0.2
LL02	Futaleuf baz=203,SNR=8.5	86.16	136	P	P	22 08 45.9	+1.5
LL01	San Ignacio de Kuka Creek	86.19	135	P	P	22 08 45.9	+1.3
L14K	L14K	86.27	8	P	P	22 08 44.8	+0.6
P19K	Oil Pt baz=204	86.30	13	P	P	22 08 44.6	+0.2
N17K	Nushagak Hills baz=201	86.34	11	P	P	22 08 46.1	+1.5
M16K	Timber Creek baz=199	86.51	10	P	P	22 08 46.4	+1.0
LYN	LuoYang comp=Z,58nm,1.4s	86.51	310	UP	SKS	22 08 46.8	+0.7
LYN	LYN					22 18 22.3	+0.9
LYN	LYN						

HNS	comp=Z,520nm,6.4s HongShan	86.54	314	UP	pmax	22 08 47.0	+0.9
HNS	HNS						
O19K	comp=Z,38nm,1.8s Port Alsworth baz=204	86.57	13	P	P	22 08 46.5	+0.8
SLVN	Son La comp=Z,49nm,1.7s	86.57	295	P	IAMB	22 08 47.3	+0.6
SLVN	SLVN					22 08 49.5	
K13K	Kusilvak Mount baz=194	86.60	7	P	P	22 08 47.2	+1.4
R11B	Troy Canyon,C baz=236,SNR=13	86.65	45	P	P	22 08 47.5	+0.7
TUC	Tucson comp=Z,47nm,1.0s	86.70	53	P	IAMB	22 08 48.4	+1.3
TUC	Tucson					22 08 50.8	
TUC	Tucson comp=Z,47nm,1.0s	86.70	53	P	P	22 08 48.4	+1.3
TUC	Tucson					22 08 48.4	+1.3
MA2	Magadan comp=Z,25nm,0.9s,baz=121,slow=7.0,SNR=5.7	86.71	346	eP	pmax	22 08 47.1	+0.7
MA2	MA2					22 08 47.3	+0.9
MA2	Magadan comp=Z,37nm,1.3s	86.71	346	eP	pmax	22 08 47.1	+0.7
MA2	MA2					22 08 47.3	+0.9
N18K	Kilic Creek baz=202	86.72	12	P	P	22 08 47.4	+1.0
GYA	Guiyang comp=Z,14nm,1.8s	86.74	301	P	pmax	22 08 48.0	+0.5
GYA	GYA						
L15K	Ungalak Mounta baz=197	86.75	9	P	P	22 08 46.9	+0.4
LL03	Petrohue baz=205	86.81	134	P	P	22 08 48.8	+1.3
O20K	Slope Mountain baz=207	86.81	13	P	P	22 08 47.5	+0.6
BRSE	Bradley Lake S baz=207	86.92	14	P	P	22 08 48.0	+0.6
BJT	Bajiatuau comp=Z,100nm,1.8s	87.07	316	P	IAMB	22 08 48.8	+0.3
BJT	BJT					22 08 51.0	
BJT	Bajiatuau comp=Z,100nm,1.8s	87.07	316	P	pmax	22 08 48.8	+0.3
BJT	BJT						
BJI	Beijing comp=Z,100nm,1.8s	87.08	316	P	pmax	22 08 49.0	+0.4
BJI	BJI						
BJI	Beijing comp=Z,14nm,2.0s	87.08	316	P	pmax	22 08 49.0	+0.4
BJI	BJI						
L16K	Owhat River baz=199	87.08	10	P	P	22 08 49.1	+1.0
N19K	Bonanza Creek baz=203	87.11	12	P	P	22 08 48.9	+0.5
WVOR	Wild Horse Val comp=Z,53nm,1.1s	87.11	41	P	IAMB	22 08 49.7	+0.9
WVOR	WVOR					22 08 51.0	
WVOR	Wild Horse Val comp=Z,53nm,1.2s	87.11	41	P	pmax	22 08 49.7	+0.9
WVOR	WVOR						
M17K	Hollita River baz=201	87.12	11	P	P	22 08 49.4	+1.1
HG4B	Hotspring baz=208	87.20	28	P	P	22 08 50.1	+1.3
NLWA	Neilton Lookou baz=239	87.28	34	P	IAMB	22 08 49.5	+0.1
NLWA	NLWA					22 08 52.4	
HEH	Heihe comp=Z,39nm,1.1s	87.33	329	eP	pmax	22 08 49.8	+0.3
HEH	HEH					22 18 45.9	+1.2
HEH	HEH					22 12 16.1	+3.4
HEH	HEH						
K15K	Wolf Creek Mo baz=197	87.34	9	P	P	22 08 50.5	+1.2
HOLB	Holberg comp=Z,24nm,0.9s	87.38	30	P	P	22 08 50.7	+1.0
LCMT	Little Creek M baz=200	87.46	47	P	IAMB	22 08 51.4	+0.7
LCMT	LCMT					22 08 52.9	
M18K	Stony River baz=202,SNR=6.9	87.48	11	P	P	22 08 51.1	+1.2
SEW	Seward baz=208	87.54	15	P	P	22 08 51.8	+1.6

24d 21h

Table with columns for station name, frequency, power, and other technical details. Includes stations like VHRN Van Horn, F15K North Star Dit, HLID Hailey, etc.

2018 APR

Table with columns for station name, frequency, power, and other technical details. Includes stations like WHY Whitehorse, DLBC Dease Lake, COLA College, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like JCT Junction City, TOAD Toad River Com, E21K Kili River, etc.

Table with columns: ID, Name, Time, Date, Status, and other details. Includes entries like A36M Sachs Harbour, OXF Oxford, ULM Lac du Bonnet, etc.

Table with columns: ID, Name, Time, Date, Status, and other details. Includes entries like JUN Lullisast, ILULI SVE, WBK Wadi Bani Khal, etc.

Table with columns: ID, Name, Time, Date, Status, and other details. Includes entries like AKDM Akdamar-Van, SENK Senkaya-Erzuru, MLAZ Malazagirt-MUS, etc.

Table with columns for station call letters, frequency, power, and various technical parameters. The table is organized into multiple columns and rows, listing various radio stations and their associated frequencies and power levels.

1589

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details. Includes stations like KBA, OBKA, SKO, BFO, MYKA, WATA, WTTA, RETA, MOTA, PRED, LIT, SOTA, ABTA, ECH, FNA, DAVA, SABO, FETA, OHR, THL, DAVOX, FUORN, CLF, IMMV, TEOL, FNDI, SENIN, SGRT, SSB, CEL, PBRG, LIC, PVRL, VAE, KIC, MVO, TIC, DBIC, PSBE, PCBR, PMAFR, PMRV, PMTG, EVOA, ESDC, ESDC, PNCL, PBEJ, MESJ, PBAR, MORF, PVAQ, TOAO, TOAO, TORD, TORD, MDT, MDT.

2018 APR

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details. Includes stations like TWD, ETM, ETLL, LEXIB, SHUL, SHUL, ESL, WHF, WHF, FUSS, FUSS, WARBT, CHGB, OWD, OWD, EGHF, TWT, WUSB, WUSB, WVDI, WVDI, HGSD, HGSD, EHY, JMA, IRIF, HATJ, HATJ, JKRS, JIJ, JISG, JYNG, IDC, KRVT, KRVT, PMG, WRA, ASAR, CMAR, ILAR, BBB, BVAR, TORD, NEIC, KRVT, KRVT, RABL, RABL, PMG, PMG, PMG, EIDS, EITNS, WBO, WBO, WRA, WRA, KNRA, AS31, ASAR, ASAR, FITZ, FITZ, FORT, FORT, MROW, MROW, SONM, SONM.

24d 22h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details. Includes stations like SONM, YAK, L19K, L19K, CAST, CAST, MKAR, MKAR, D19K, D19K, ZALV, ZALV, KLU, B20K, B20K, ILAR, BARN, GSPA, BCAR, E27K, E27K, BVAR, TORD, TORD, KRNET, SFK, SFK, OHH, OHH, DRK, DRK, ARSB, ARSB, BTK, BTK, ARK, ARK, TRKS, TRKS, ARLS, ARLS, MNAS, MNAS, UCH, UCH, NRN, NRN, EKS2, EKS2, AAK, AAK, AAK, AAK, FRU1, FRU1, DZA, DZA, CHMS, CHMS, CHMS, ULHL, ULHL, BOOM, BOOM, BOOM, USP, USP, TKM2, TKM2, TKM2, TKM2, KK31, KK31, KKAR, KKAR, SGDS, SGDS, BRLS, BRLS, BRLS, KST, KST, KST, KST.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like KST, KDJ, DGS, MTBS, KRBS, TNS, etc.

NEIC 24 22:48:12.8:0.3, 43.65N:0.05:105.31W:0.09, h0km, 2km, ML2.4/11, Error ellipse: s-maj=13.6km s-min=3.2km az=49.0

ISC 24 22:48:14.8:2.1, 43.88N:105.63W, h0km, mbtp3.0/2, ML2.7/2, Error ellipse: s-maj=55.0km s-min=10.2km az=149.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like RSSD, K22A, PHWY, N23A, etc.

ISC 24 22:56:33.4:1.0, 6.24S: 143.08E, h0km, mb4.0/7, mbmp4.0/9, ML1.8/1, MS3.4/2, Error ellipse: s-maj=39.8km s-min=20.8km az=83.0

ISC 24 22:56:37.9:0.9, 6.59S:0.09:142.87E:0.10, h35km, n11, c201/13, mb3.8/7, New Guinea

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like PMG, WRA, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like WRA, ASAR, STKA, NWAO, etc.

SOME 24 22:57:59.7, 42.95N:77.93E, h5km, NNC 24 22:57:59.3:0.3, 42.95N:77.93E, h0km, mb2.2, mpv2.8, Error ellipse: s-maj=2.9km s-min=1.1km az=176.0

KRNET 24 22:58:00.9:0.1, 42.87N:77.88E, h15km, mb2.3, ISC 24 22:58:00.3:0.7, 42.84N:77.90E:0.02, h10km, n45, c185/89, 19C-10D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like ANVS, SATY, ZHN, KURS, etc.

NEIC 24 22:48:12.8:0.3, 43.65N:0.05:105.31W:0.09, h0km, 2km, ML2.4/11, Error ellipse: s-maj=13.6km s-min=3.2km az=49.0

ISC 24 22:48:14.8:2.1, 43.88N:105.63W, h0km, mbtp3.0/2, ML2.7/2, Error ellipse: s-maj=55.0km s-min=10.2km az=149.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like KDJ, MTBS, CHKK, SHLS, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like ARXS, ULHL, KST, BOOM, etc.

GCMT 24 23:05:09.0:0.2, 15.25S:0.02:174.41W:0.01, h17km, 1km, MW4.9/101, Moment Tensor Solution. s27,c30; s101,c135; Duration: 0 Moment tensor: Scale 10^16Nm; M0=0.20t; 12; M00=0.53t; 11; M01=0.72t; 09; M02=0.60t; 26; M03=2.73t; 09; M04=0.89t; 27; Best double couple: M03,00100x10^16 NP1:0.175,00000; 0.81,00000; 0.1,161,00000; NP2:0.82,00000; 0.72,00000; 0.1,10,00000; Principal axes: T 2.9380, P16.0000; P 4.010000; N 0.1290, P16.0000; Azm201.0000; P 3.0660, P16.0000; Azm40.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location Triangular moment-rate function

ISC 24 23:05:00.3:1.1, 16.11S:174.06W, h0km, mb4.0/k, mbtp4.0/4, MS4.0/44 Error ellipse: s-maj=206.8km s-min=25.5km az=151.0, Tonga Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like RAO, DZM, URZ, PPT, etc.



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for Palmer Station, MAW, PLCA, JTS, CMAR, ATAH, NNA, SONM, LVC, MLR, BRTR.

NEIC 24-23:23.13.0.0.7, 19.38N-01:155.23W:0.01, h8km, 1km, Error ellipse: s-maj=1.8km s-min=1.2km az=138.0

HVO 24-23:12.7.0.8, 19.370N:0008:155.21W:0.01, h2km, 3km, ML2.7/25, ML2.2/40(NEIC), Error ellipse: s-maj=1.8km s-min=0.9km az=121.0, Hawaiian Islands

Main table for NEIC and HVO stations, listing codes like PUH, KKH, BYL, RIM, HATH, SDBL, UWB, STCH, WRMH, UWE, JCUZ, RSD, HLP, MLOA, MLH, JOKA, HTC, MLOA, MLOA, KHU, ALEP, HUH, CPH, etc.

NEIC 24-23:25.30.3.0.9, 5.30N:0.09:75.92W:0.06, h10km, 2km, mb3.7/1, Error ellipse: s-maj=14.9km s-min=10.3km az=358.0

RSNC 24-23:25:36.1±0.0.51N:177.6W, h23km, mb3.4, mB5.0, ML3.0, Mw(mB)4.3, ISC 24-23:25:32.1±1.2, 5.20N:0.02:75.83W:0.03, h26km, 13km, n42, c233/66, Colombia

Table for NEIC and RSNC stations, listing codes like NIZA, RECR, PLMC, ANIL, NORC, ORTC, PIZC, ROSC, SPBC, DBBC, MALC, PTEC, VILC, URMC, ZARC, UREC, PTAC, POPC, APAC, RUSC, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for RUSC, BARC, GARC, FLORE, MACC, PAMC, OCAC, GCUF, SJCC, SJCC, TULM, IMBA, BCIP, PACI, PULU, SDVI, SLOR, CRUC, CHSH, BRUJ, BAUV, BOAV.

ISN 24 23:31.31.4.0.6, 33.75N:45.61E, h8km, 2km, ML2.4, TEH 24 23:31:32.2, 33.74N:45.62E, h9km, 39km, ML2.5, ISC 24-23:31:32.1±1.3, 33.72N:0.03:45.60E:0.04, h9km, 15km, n11, c087/16, Iran-Iraq border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for ILBA, IBDR, KGSJ, IGHG, BHD, BHD, IKRH, IKRF, IKRK, IKRK, IBZA, RAFI, RAFI, RAFI.

IDC 24 23:35:26.6±2.8, 3.46S:130.56E, h0km, mb3.7/2, mbtmp:6.3/ML2.9/1, Error ellipse: s-maj=172.8km s-min=30.9km az=71.0, Seram

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for WRA, ASAR, MKAR.

CATAC 24 23:49:53.9±0.9, 11.75N:88.02W, h19km, 7km, ML3.6, SNET 24-23:49:59.0, 12.15N:88.03W, h21km, 8km, ML3.4, ISC 24-23:49:57.2±0.1, 11.91N:0.06:87.92W:0.05, h31km, 16km, n36, c1566/48, Near coast of Nicaragua

Main table for IDC and CATAC stations, listing codes like CRIN, PKGN, HERN, ROCH, POLN, POLN, CNGA, COPN, CNCR, CNCH, CNCH, LEVN, AMPH, LCND, LCND, MOMM, YSM, BLLM, RANC, RANC, RANC, APYN, PACA, PACA, PACA, TISN, TISN, YUES, SCLA, PAWS, TGUH.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for JAYA, HZTE, NUBE, NUBE, ORTG, CDM, CDM, SMSP, PLAN.

IDC 25 00:05:01.9±0.8, 70.83N:6.87W, h0km, mb3.4/7, mbtmp:3.5/13, ML3.1/5, Error ellipse: s-maj=23.9km s-min=10.4km az=16.0

NAO 25 00:05:04.1±1.8, 70.83N:6.50W, h11km, 20km, ML3.9, BER 25 00:05:06.0±3.6, 70.91N:6.56W, h0km, 41km, ML3.0, ML3.9(NAO), Confirmed Earthquake, REY 25 00:05:08.1, 70.65N:7.55W, h10km, ISC 25 00:05:04.1±0.6, 70.87N:0.06:6.51W:0.04, h9km, n78, c1506/84, mb3.2/7, 3C, Jan Mayen Island region

Main table for IDC and NAO stations, listing codes like JNE, JNE, JMJC, JMJC, JMJC, JMJC, JMI, JMI, JMI, JMI, DBG, DBG, ILEI, ILEI, IGIL, IGIL, IGHA, IGHA, IGRS, IGRS, IMEL, IMEL, IADA, IADA, DAG, DAG, IVSH, IVSH, IVSH, LOF, LOF, STEI, STEI, KONS, KONS, STOK, STOK, STOK, STOK, FAUS, FAUS, HSPB, HSPB, HSPB, HSPB, TRO, TRO, TRO, TRO, MORB, MORB, BRBB, BRBB, BRBB, BRBB, JETT, JETT, JETT, JETT, KBS, KBS, NSS, NSS, SPAO, SPAO, SPAO, SPAO, SPIT, SPIT, SPIT, SPIT, KIF, KIF, KIF, KIF, SALU, SALU, HAMF, HAMF, AKN, AKN, AKN, AKN, KTK1, KTK1, HOPEN, HOPEN, HOPEN, HOPEN, HEF, HEF, DOMB, DOMB, SUE, SUE, ARCS, ARCS, ARCS, ARCS, ARAO, ARAO, ARAO, ARAO, LWR, LWR, LWR, LWR, NOR, NOR, NOR, NOR, NOR, NOR, KEV, KEV, KEV, KEV, NOA, NOA, NOA, NOA, BIGH, BIGH, HFS, HFS, HFS, HFS, HFS, HFS, KPL, KPL, EKA, EKA, EKA, EKA, FIAO, FIAO, FIAO, FIAO, FIAO, FIAO, FINES, FINES, FINES, FINES, BVAR, BVAR, BVAR, BVAR, BRTR, BRTR, BRTR, BRTR, YKA, YKA, YKA, YKA, KURBB, KURBB, KURBB, KURBB, MKAR, MKAR, MKAR, MKAR, PDAR, PDAR, PDAR, PDAR, TORD, TORD, TORD, TORD.









25d Oh

Table with columns: ID, Name, Date, Time, Status, Location, etc. Includes entries like 120K Naaghedeneel, M29M Somme Creek, M29M Somme Creek, etc.

2018 APR

Table with columns: ID, Name, Date, Time, Status, Location, etc. Includes entries like M24K Tolsona, PPLA Purkeypile, B35A Bob, etc.

1596

Table with columns: ID, Name, Date, Time, Status, Location, etc. Includes entries like MKAR comp=Z,3.1nm,0.7s, etc.

1597

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like CRAG, SATY, Q19K, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like MOOW, HIA, PD31, etc.

25d 0h

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like WMOK, ALNE, SOHO, etc.













Table with columns: ID, Name, Az, El, AzEl, P, S, AzEl, P, S, AzEl, P, S. Rows include BC3, GSC, HEC, GLA, PIX, YBH, YNH, YBH, PNTR, PNTR, GMRC, IRM, GWY, GWY, GRAC, TUQ, SHOC, NVAR, NVAR, NVAR, PEAOB, PETK, PETK, 214A, NV11, NV11, PDMCI, KVN, KVN, KVN, SHPR, YSS, YSS, OHAK, J05D, R11B, TUC, TUC, TUC, TUC, BMN, BMN, BMN, Q16K, Q15K, P16K, P17K, Q20K, N14K, O16K, M11K, I07A, P18K, O17K, M13K, N15K, WUAZ, O18K, ELK, P19K, M14K, M15K, N17K, KSR5, KSR5, KSR5, O19K, KSAR, KSAR, L14K, M16K, W18A, N18K, L21A, LEM, N19K, L15K, SEW, M17K, MSHR, MSHR, DUG, L16K, K15K.

Table with columns: ID, Name, Az, El, AzEl, P, S, AzEl, P, S, AzEl, P, S. Rows include USRK, USRK, L17K, V35K, KAIM, M19K, L18K, HLID, SNTA, MNTX, M20K, L19K, EYAK, GLI, K17K, TXAR, TXAR, S31K, SKT, KNK, M22K, S32K, L20K, J16K, TTA, ANMO, ANMO, ANMO, ANMO, ANMO, BMRM, J17K, PNL, J18K, R32K, MDJ, MDJ, MDJ, NEW, P29M, K20K, N25K, M24K, MCAR, ANR, CTG, T35M, PLBC, WAT6, O28M, O29M, CAST, CAST, WAT1, J19K, H16K, SKAG, P30K, S34M, BELA, BELA, TRF, G15K, O20A, CHUM, J20K, J20K, MA2, DHY, YUK8, RND, RND, RND, RND, NJ2, NJ2, H17K, YUK6, GCSA, HYT, PAX, M26K, YUK3, P32M, MCK, G16K, YUK4.

Table with columns: ID, Name, Az, El, AzEl, P, S, AzEl, P, S, AzEl, P, S. Rows include BW06, PDAR, PDAR, PDAR, H18K, M27K, KLR, KLR, F15K, O30N, DLBC, DLBC, G17K, SDCO, H17A, BOZ, OVMT, L26K, WHY, N30M, MSTX, BNK, BNK, CN2, CN2, CN2, P33M, L27K, T25A, NEA2, NEA2, G18K, H20K, 833A, I21K, SNY, SNY, N31M, MLY, MLY, HDA, HDA, M29M, CCB, Q24A, SCRK, F17K, ISCO, G19K, H21K, COLA, COLA, COLA, I23K, IL31, JCT, N32M, F18K, IMAR, J25K, RLMT, N23A, POKR, M30M, K27K, H22K, L29M, L29M, J26L, E17K, AMTX, F19K, H23K, M31M, M31M, WTLY, K22A, G21K, SEY, SEY, SEY.

25d 1h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like H24K Noodor Dome, E18K Tukpahlearik C, DAWY Dawson, etc.

2018 APR

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like CBKS Cedar Bluff, H31M Peel River, G29M Pin Creek, etc.

1604

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like GEYT Alibeck, FINES FINES Array B, FINES FINES Array B, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Code, Station Name, Az, Az', Phase ID, Time Res. Includes stations like KRUC, TPGR, VYHS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Code, Station Name, Az, Az', Phase ID, Time Res. Includes stations like JMJC, Jan Mayen, JMJC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Code, Station Name, Az, Az', Phase ID, Time Res. Includes stations like S12K, comp=N,304nm,0.3s, etc.

IDC 25 01:45:07.7-1.1, 70:77N-6:93W, h0km, mb3.3, mbmp3.6, ML2.6/3, MS2.7/7, Error ellipse: s-maj=35.1km s-min=14.5km az=28.0

IDC 25 02:00:02.8-1.1, 53:68N-163:66W, h0km, mb4.0/19, mbmp4.0/21, ML3.3/2, MS3.4/8, Error ellipse: s-maj=28.8km s-min=16.0km az=178.0

IDC 25 02:00:03.7-2.9, 53:42N-106:163:59W, h0.4, h10km, 1km, mb3.9/35, ML3.6/8, ML3.5(AEIC), Error ellipse: s-maj=8.2km s-min=6.3km az=138.0

25d 3h

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like ARCES, UCCT, KURBB, BVAR, ARU, FINES, MKAR, MKAR, NB2, NOA, HFS, EKA, AKASG, KBZ, KBZ, GEYT, GNI, BRTR.

NOU 25 02:07:08.0, 37:03S:179:30E, h0km, MLv3.4/6, Off E. Coast of N. Island, N.Z. WEL 25 02:07:12.6, 0.8, 37:51S x 17:9E, h12km, M3.2/3, ML3.5/26, MLv3.2/23, Error ellipse: s-maj=0.0km s-min=0.0km az=109.2, conlirmed

ISC 25 02:07:10.0, 2.8, 37:07S:179:22E:0.1, h10km, 11km, n41, c0594/57, Off east coast of North Island

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like MXZ, WNGZ, PKGZ, PUZ, HAZ, TWGZ, RUGZ, CNKZ, XKGZ, MWZ, WHRZ, RAGZ, URZ, SNZ, SNGZ, KNZ, RTZ, MUGZ, TARZ, RAHZ, MTHZ, NMHZ, ARHZ, KUZ, MRHZ, BKZ, KWHZ, MKAZ, KAHZ, TMVZ, ETVZ, NTVZ, BHZ, QTVZ, SNVZ, BIFZ, OUZ, OUZ.

NEIC 25 02:19:50.4, 1.0, 36:95N:01:97:62W:0.01, h9km, 7km, Error ellipse: s-maj=1.7km s-min=1.5km az=225.0

TUL 25 02:19:50.0, 0.7, 36:94N:01:10:57:53W:0.01, h7km, 3km, ML2.5, mb\_Lg2.0/9(NEIC), ML2.4/56(NEIC), Error ellipse: s-maj=1.4km s-min=1.2km az=211.0, Oklahoma

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like KAN13, KAN17, KAN17, KAN09, GC02, KAN01, KAN01, KAN05, KAN05, KAN05, KAN14, KS21, KAN06, BLOK.

2018 APR

Table with columns: BLOK, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like ANTHONY NE STA, HARPER NE STA, SALT PLAINS WL, CARRIER, PAWNEE STATION, E0350 and S346, SOONER CREEK, WEST END E0370, BATTLE RIDGE R, S. BRETHREN RD, WINTER RANCH, DEPEW, FRANKLIN, LONG QUARTER, LEONARD, TUCUMSEH, CLAYTON, HOBBS, MADDIES STATION, OZARK FOLK CEN, BASIN CREEK FA, WOOLY HOLLOW, WAVERLY.

TAP 25 02:26:50.6, 25:80N:122:59E, h244km, 1km, ML3.5, D JMA 25 02:26:52.8, 0.4, 25:1N:5 x 122:0E:0.8, h240km, 3km, ISC 25 02:26:51.2, 3.0, 25:50N:01:122:82E:0.05, h245km, 17km, n41, c0727/3, Taiwan region

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like PCYT, SX11, TIPB, YJTB, YOJ, TWC, TWC, E0S2, E0S2, FUSB, FUSB, NWLT, E0S3, E0S3, E0S3, EWUT, ENA, ENA, NDT, LATG, YHNB, YHNB, E0S4, E0S4, NSK, NSK, NSNS, NNSB, NNSB, NFF, NACB, NACB, ETLL, ETLL, FUSS, FUSS.

1606

Table with columns: JISG, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like ISHIGAKIJIMAH, KURO-SHIMA, ISHIGAKI JIMA, HEHUAN SHAN, XIULIN TOWNSHI, RENAI, TAICHUNG CITY, SHOUFENG, RENAI, RENAI, TAI MING, FENGLIN TOWNSH, WVDW, RUISUI, SUANGLUNG, YU, IKEMAJIMA, ALISHAN, TSAUSHAN, TAPU.

IDC 25 02:32:13.0, 5.7, 7:24N-94:46E, h0km, mb3.7/5, mbmp3.7/5, M3.1/1, Error ellipse: s-maj=294.0km s-min=21.5km az=58.0, Nicobar Islands region

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like H08S3, H08S2, H08S1, MKAR, KURBB, ZALV, WRA, ASAR, STKA, H04N2, H04N1, H04N3.

CATAC 25 03:04:23.6, 0.7, 11:10N:86:58W, h12km, 5km, ML2.9 UCR 25 03:04:23.9, 0.5, 11:12N:86:54W, h19km, 8km, MW3.6 ISC 25 03:04:22.7, 1.9, 11:08N:0:06:86:61W:0.10, h14km, 11km, n21, c0566/30, Near coast of Nicaragua

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like LCRUZ, MAS3, MAS3, MAS3, HZTE, HZTE, HZTE, COPN, COPN, TISN, TISN, ALIBA, VRLE, LEVN, LEVN, MOMM, MOMM, MOMM, ORTEGA, ORTEGA, ORTEGA, SAJU, SAJU, MOM2, MOM2, MOM2, CNGA, CNGA, CNGA, CNGN, CNGN, CNGN, CUI, VMAR, JACO, JACO, CDM, CDM, CDM.





25d 5h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SPITS Spitsbergen Ar, HOPEN Hopen, NOR Nord, etc.

BER 25 04:31:28.6:0.3, 71.47N:7.36W, h2km, 539km, ML2.7, Confirmed Earthquake

DNK 25 04:31:31.1:2.1, 71.07N:7.42W, h2km, 87km, ML 1.1

ISC 25 04:31:30.7:2.0, 71.19N:0.09:7.2W:0.1, h10km, n6, 1527/11, 1D, Jan Mayen Island region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JNE Jan Mayen East, JMJC Jan Mayen, JMI Jan Mayen, etc.

WEL 25 04:36:41.3:0.7, 32.5:16.8:0E:1.5, h33km, M4.1/9, mb4.77, ML4.4/14, ML4.4/29, Mw(mB)4.0/7, Error ellipse: s-maj=0.0km s-min=0.0km az=107.7, confirmed

NOU 25 04:36:45.4, 33:33S:179.24E, h395km, mb3.7/6, South of Kermadec Islands

ISC 25 04:36:35.3:1.8, 32.6S:0.1:179.8W:0.2, h350km, n24, 2517/33, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GLKZ Green Lake, MXZ Matakaoa Point, WMGZ Waionatatin S, etc.

SOME 25 04:43:42.7, 39:35N:72:32E, h5km

NCC 25 04:43:45.4:5.9, 38:98N:73:15E, h0km, mb3.8, mpv3.7, Error ellipse: s-maj=46.5km s-min=30.1km az=154.0

ISC 25 04:43:44.3:3.0, 38.93N:02:72.87E:0.09, h10km, n12, 3509/18, 3C-4D, Tajikistan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MRKS Merke, AAK Ala-Archa, CHMS Chumysh, etc.

2018 APR

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KK31, BRLLS Boroloday, BRLS, etc.

CATAC 25 04:58:38.5:0.4, 13:02N:89:09W, h27km, 3km, ML3.8

SNET 25 04:58:39.7:0.7, 13:07N:89:09W, h37km, ML3.7

ISC 25 04:58:38.2:1.4, 13:00N:0.06:89:10W:0.03, h26km, 12km, n79, 6081/11, 4C-13D, Off coast of central America

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LALI Alcaldia de L, ALJI Alcaldia de J, PANCS Alcaldia de, etc.

LOMA Loma Larga, LOMA Loma Larga, LOMA Loma Larga

COEG Centro de Oper, COEG Centro de Oper, COEG Centro de Oper

SNVI San Vicente, SNVI Escuela Especi, ITCA ITCA

SNET Serv Nac Est T, SNET Serv Nac Est T, SNET Serv Nac Est T

UESV Universidad de, UTEC Universidad Te, UTEC Universidad Te

MAGS Ministerio de, IGN Direccin Gen, IGN Direccin Gen

UDBS Universidad Do, UDBS Universidad Do, UDBS Universidad Do

UESS Universidad Ev, UEES Universidad Ev, UEES Universidad Ev

PAVA Las Pavas, PAVA Las Pavas, PAVA Las Pavas

JAYA Jayaque - finc, JAYA Jayaque - finc, JAYA Jayaque - finc

PMON Piamonte, PMON Piamonte, PMON Piamonte

COEB Comit de Eme, COEB Comit de Eme, COEB Comit de Eme

LFU La Fuente, LFU La Fuente, LFU La Fuente

BOQS Boqueron, BOQS Boqueron, BOQS Boqueron

PIGZ El Picacho, TECA Tecapa, TECA Tecapa

SCLA Alcaldia de Sa, SCLA Alcaldia de Sa, SCLA Alcaldia de Sa

POSS Presa 15 de Se, POSS Presa 15 de Se, POSS Presa 15 de Se

QUEZ Alcaldia de Qu, QUEZ Alcaldia de Qu, QUEZ Alcaldia de Qu

CEDA San Andres, CEDA San Andres, CEDA San Andres

PACA Pacayal, PACA Pacayal, PACA Pacayal

LCY Lacayo, RANC El Rancho, RANC El Rancho

VISM San Miguel, BLLM Bellamira, BLLM Bellamira

CEVE Cerro Verde, CEVE Cerro Verde, CEVE Cerro Verde

SBSL San Blas, SNUE San Jose, SNUE San Jose

CNRM Centro Naciona, CNRM Centro Naciona, CNRM Centro Naciona

RTR El Retiro, RTR El Retiro, RTR El Retiro

1608

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like UNIC Universidad Ca, NUBE Las Nubes, NUBE Las Nubes, etc.

MT03 Montecristo, MT03 Montecristo

AMPH Amapala, ESQI Esquipulas, ESQI Esquipulas

GUNB GUNB, GUNB GUNB

TGUL Teague, PKGN Cerro Pekin, PKGN Cerro Pekin

HERN Volcan Telica, CNGA AI SSO del Vol, CNGA AI SSO del Vol

CNGN Cerro Negro, MOMN Momotombo, MOMN Momotombo

COPN Copaltepe, COPN Copaltepe

ICD 25 04:59:51.0:1.8, 30:34S:177:96W, h0km, mb3.9/3, mbmp3.9/4, ML3.1/1, Error ellipse: s-maj=44.7km

ISC 25 04:59:55.8:1.6, 30:31S:0.10:177:9W:0.3, h46km, n10, 1558/9, mb4.0/3, Kermadec Islands

RAO Raoul Island, RAO Raoul Island

URZ Urewera, URZ Urewera

STKA Stephens Creek, ASAR Alice Springs

WRA Warramunga Arr, H03S2 Juan Fernandez

H03S1 Juan Fernandez, H03S3 Juan Fernandez

FINES FINESS Array B, TORD Torodi Arr. Bea

ICD 25 05:09:41.2:5.4, 54:18N:87:19E, h0km, mbmp3.5/3, ML3.1/3, Error ellipse: s-maj=22.5km s-min=15.4km

az=62.0, Southwestern Siberia

ZALV Zalesovo Beam, ZALV Zalesovo Beam

KURBB Kurchatov Arr, KURBB Kurchatov Arr

MKAR Makanchi Array, MKAR Makanchi Array

BVAR Borovoye Array, BVAR Borovoye Array

ICD 25 05:12:18.1:0.8, 16:60S:167:74E, h0km, mb4.4/9, mbmp4.4/10, ML4.9/1, MS3.9/30, Error ellipse: s-maj=26.3km s-min=21.3km az=124.0

NOU 25 05:12:23.1, 16:72S:167:92E, h30km, mb4.9/35, Vanuatu Islands

NEIC 25 05:12:28.7:2.6, 17:09S:0:09:167:57E:0.09, h54km, 5km, mb4.6/36, Error ellipse: s-maj=14.7km s-min=11.3km

ISC 25 05:12:24.0:0.4, 16:89S:0.06:167:63E:0.06, h25km, n127, 52-130, Error ellipse: s-maj=14.7km s-min=11.3km

ICD 25 05:12:24.0:0.4, 16:89S:0.06:167:63E:0.06, h25km, n127, 52-130, Error ellipse: s-maj=14.7km s-min=11.3km

ICD 25 05:12:24.0:0.4, 16:89S:0.06:167:63E:0.06, h25km, n127, 52-130, Error ellipse: s-maj=14.7km s-min=11.3km

ICD 25 05:12:24.0:0.4, 16:89S:0.06:167:63E:0.06, h25km, n127, 52-130, Error ellipse: s-maj=14.7km s-min=11.3km

ICD 25 05:12:24.0:0.4, 16:89S:0.06:167:63E:0.06, h25km, n127, 52-130, Error ellipse: s-maj=14.7km s-min=11.3km

ICD 25 05:12:24.0:0.4, 16:89S:0.06:167:63E:0.06, h25km, n127, 52-130, Error ellipse: s-maj=14.7km s-min=11.3km

ICD 25 05:12:24.0:0.4, 16:89S:0.06:167:63E:0.06, h25km, n127, 52-130, Error ellipse: s-maj=14.7km s-min=11.3km

ICD 25 05:12:24.0:0.4, 16:89S:0.06:167:63E:0.06, h25km, n127, 52-130, Error ellipse: s-maj=14.7km s-min=11.3km

ICD 25 05:12:24.0:0.4, 16:89S:0.06:167:63E:0.06, h25km, n127, 52-130, Error ellipse: s-maj=14.7km s-min=11.3km

ICD 25 05:12:24.0:0.4, 16:89S:0.06:167:63E:0.06, h25km, n127, 52-130, Error ellipse: s-maj=14.7km s-min=11.3km

ICD 25 05:12:24.0:0.4, 16:89S:0.06:167:63E:0.06, h25km, n127, 52-130, Error ellipse: s-maj=14.7km s-min=11.3km

ICD 25 05:12:24.0:0.4, 16:89S:0.06:167:63E:0.06, h25km, n127, 52-130, Error ellipse: s-maj=14.7km s-min=11.3km

ICD 25 05:12:24.0:0.4, 16:89S:0.06:167:63E:0.06, h25km, n127, 52-130, Error ellipse: s-maj=14.7km s-min=11.3km

ICD 25 05:12:24.0:0.4, 16:89S:0.06:167:63E:0.06, h25km, n127, 52-130, Error ellipse: s-maj=14.7km s-min=11.3km

ICD 25 05:12:24.0:0.4, 16:89S:0.06:167:63E:0.06, h25km, n127, 52-130, Error ellipse: s-maj=14.7km s-min=11.3km

ICD 25 05:12:24.0:0.4, 16:89S:0.06:167:63E:0.06, h25km, n127, 52-130, Error ellipse: s-maj=14.7km s-min=11.3km

Table of astronomical observations for 1609, listing station names (e.g., Ouen Island, Pines Island), coordinates, and observation details.

Table of astronomical observations for 2018 APR, listing station names (e.g., GTA BETA, YBH), coordinates, and observation details.

Table of astronomical observations for 25d 5h, listing station names (e.g., MDT Midelt, SADO Sadova), coordinates, and observation details.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IGIL Gilhagi, IGHA Grjothals, IGRS Grimstaair, IMEL Melhnauser, etc.

TEH 25 05:58:27.7, 37.11N, 57.71E, h6km, 52km, ML3.5
IDC 25 05:58:28.8, 1.7, 37.10N, 57.65E, h0km, mb3.7/6,
mbmp3.8/3, ML3.6/3, MS3.0/3, Error ellipse: s-maj=23.0km
s-min=12.9km az=137.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ISFR Sfrayin, IEMG Emangholi, GEYT Alibeck, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ZALV Zalesovo Beam, FINES FINES Array B, ARCES ARCES Array B, YKA Yellowknife Ar.

ISC 25 06:02:26.5, 1.1, 27.69N, 104.111, 69W, 0.05, h10km, n6,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SRIG Santa Rosalia, SRIG comp=N, 1, 1, 0.3s, etc.

BER 25 06:14:12.9, 2.1, 71.23N, 6.91W, h3km, 999km, ML2.8,

Confirmed Earthquake
REY 25 06:14:13.2, 70.75N, 7.57W, h10km

ISC 25 06:14:11.1, 1.4, 71.04N, 0.06, 6.79W, 0.08, h16km, n14,

174/24, Jan Mayen Island region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JNE Jan Mayen East, JNE Jan Mayen West, JMIC Jan Mayen, etc.

SAJ 25 06:55:15.4, 0.7, 20.46S, 69.07W, h113km, 4km, ML3.8,

MW3.8
GUC 25 06:55:17.0, 0.7, 20.47S, 69.04W, h107km, 3km, ML3.9

IDC 25 06:55:18.5, 3.0, 20.43S, 68.97W, h123km, 2.7km, ML3.5/5,

mbmp3.7/6, Error ellipse: s-maj=38.1km s-min=23.5km

VAO 25 06:55:20.0, 0.7, 20.24S, 68.66W, h124km, mb4.0

ISC 25 06:55:16.3, 0.2, 20.44S, 0.03, 69.08W, 0.05, h110km, 6km,

n79, r100/97, mb3.5/3, 6C-4D, Northern Chile

IDC 25 06:26:42.9, 2.1, 4.19N, 125.05E, h0km, mb3.6/3,

mbmp3.6/3, Error ellipse: s-maj=196.9km

s-min=26.5km az=64.0, Talaud Islands

WRA Warramunga Arr 25.66 160 P Op P 06 32 15.1 +0.5

ASAR Ala Springs 29.00 163 P Op P 06 32 44.1 -0.5

MKAR Makanchi Array 56.23 326 P Op P 06 36 24.9 -0.1

NNC 25 06:27:21.4, 4.6, 38.89N, 71.29E, h0km, mb3.5, mpv3.1,

Error ellipse: s-maj=36.6km s-min=23.0km az=171.0

SOME 25 06:27:25.9, 9.39N, 170.30E, h15km

ISC 25 06:27:43.2, 4.2, 40.00N, 0.1, 70.40E, 0.07, h16km, n8,

r165/12, 3C-3D, Tajikistan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BRLS Boroday, MKR3 Karatay Array, MRKS Merke, etc.

NNC 25 06:37:48.6, 6.5, 38.86N, 71.31E, h0km, mb3.5, mpv3.1,

Error ellipse: s-maj=52.1km s-min=32.8km az=174.0

KRNET 25 06:37:55.8, 0.1, 39.02N, 70.46E, mb2.5

ISC 25 06:38:00.1, 2.3, 39.22N, 0.1, 70.54E, 0.08, h10km, n11,

r277/17, 8C-10D, Tajikistan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BTk Batken, OHH Osh, TRKS Terek-Say.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TRKS Suffi-Kurgan, SFK Arslanbob, ARSB Arslanbob, etc.

IDC 25 06:39:58.6, 5.1, 3.80S, 147.36E, h0km, mb3.1/2,

mbmp3.2/2, Error ellipse: s-maj=330.1km

s-min=59.9km az=116.0, Bismark Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Ala Springs, H11S3 WAKE ISLAND Hy, etc.

SJA 25 06:55:15.4, 0.7, 20.46S, 69.07W, h113km, 4km, ML3.8,

MW3.8
GUC 25 06:55:17.0, 0.7, 20.47S, 69.04W, h107km, 3km, ML3.9

IDC 25 06:55:18.5, 3.0, 20.43S, 68.97W, h123km, 2.7km, ML3.5/5,

mbmp3.7/6, Error ellipse: s-maj=38.1km s-min=23.5km

VAO 25 06:55:20.0, 0.7, 20.24S, 68.66W, h124km, mb4.0

ISC 25 06:55:16.3, 0.2, 20.44S, 0.03, 69.08W, 0.05, h110km, 6km,

n79, r100/97, mb3.5/3, 6C-4D, Northern Chile

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PB08 IPOC Station P, PB08 IPOC Station P, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GO01 Chusmiza, GO01 Chusmiza, PB11 IPOC Station P, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TA02 Huaiquique, TA02 Huaiquique, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PATCX Punta Patache, PATCX Punta Patache, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PB02 IPOC Station P, PB02 IPOC Station P, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PB07 IPOC Station P, PB07 IPOC Station P, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PX02 IPOC Station P, PB04 IPOC Station P, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LVC Limon Verde, LVC Limon Verde, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PB12 IPOC Station P, PB12 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like PB05 IPOC Station P, PB15 IPOC Station P, PB15 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like BDFB Brasilia, ITTB Itaituba, VAO Valinhos, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like ILAM Ilet Lapin Mar, MVM Montagne Vaucel, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like ILAM Ilet Lapin Mar, MVM Montagne Vaucel, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like TRN, BAUV, TABU, GEM, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like SYDH, AUKTS, RIV, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like RAZ, KUTZ, TLZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like URZ, BAUV, TABU, GEM, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like BYL, KKO, HATHI, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NPOC, NPOC, HLP, HLP, JCUZ, JCUZ, JCUZ, JCUZ, etc.

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

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

CNRW 25 08:01:01.5, 35.68N, 3.74W, h21km, ML2.3
MDD 25 08:01:02.1, 0.7, 35.42N, 3.80W, h6km, 6km, Mb\_Lg2.6/11,
Error ellipse: s-maj=6.7km s-min=3.6km az=173.0

h51km: pP-P, n168, r1937/143, mb4.9/98, MS3.7/29, 5C-4D,
Mariana Islands

PETK Petropavlovsk- 39.21 10 P P 08 12 27.3 -2.3
comp=Z,1.1nm,0.7s,baz=144,slow=5.0,SNR=4.5

SFS 25 08:01:02.5, 35.41N, 3.84W, h18km, ML2.9/13, ML3.0/13,
MLV2.9/13

ISC 25 08:01:00.9-1.3, 35.556N, 0.02-3.77W, h0.02, h7km, 11km,
n57, r1522/79, Strait of Gibraltar

BTO Baotou 41.12 316 eP P 08 12 47.5 +1.8
comp=Z,1.0nm,0.6s

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

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

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

IDC 25 08:04:58.4, 0.5, 14.76N, 147.02E, h0km, mb4.5/29,
mbtmp4.5/31, ML4.6/2, MS3.6/25, Error ellipse:
s-maj=16.7km s-min=12.7km az=99.0

WRA Warrungarra Arr 36.57 200 P Iamb 08 12 07.8 -0.2
comp=Z,12nm,0.9s

MAKZ Makanchi 62.25 315 P P 08 15 24.0 +0.8
MAKZ Makanchi 62.25 315 P P 08 15 24.0 +0.8



BGR 25 09:48:38.7 1.1, 41.53N, 15.43E, h10km, ML4.5, Error ellipse: s-maj=48.9km s-min=24.5km az=81.0

Table with 12 columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries like FRES Fresagrandinar, TRIV Trivento, MELA Melanico, GATE Gambatesa, BSSO Busso, SACR S. Croce Del S, MRB1 Monte Rocchett, MSAG Monte S. Angel, LPEL Lama dei Pelig, APRC Apricena.

Table with 12 columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries like APRC, RN12 Rionero Sannit, MOCO Biccari, PTRJ Pietraroja, SGG Gregorio Mates, VAGA Valle Agricola, CERA Filignano, SGRT San Giovanni R, BIOM Biogen, INTR Introdacqua, VITU Vitulano (BN), MRB1 Monte Rocchett, MSAG Monte S. Angel, SGTA Santa Agata di.

Table with 12 columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries like SGTA, PAOL Paolisi, T110 Collepietro, CAFE Carife, VVLD Vila Valleion, FAGN Fagnano, MODR Mondragone, CAMO Campotosto, IOCA Iocca, NRCA Norcia, GUMA Guadalo di Mace, GAVE Gavelli, GAVE, FDMO Fjordimonte, PP3 Marolino, PP3, T1220 Camerino, FRZ Fraz, CUC Carrocucco, COR1 Corinaldo, COR1, COR1, ATTE AVT-Monte Tez, STON Ston, PE3 Peglio, PE3, PE3, PESA Pesaro.



Table with columns for station call letters, frequency, and other identifiers. Includes stations like PESA, SF01, SF01, SF01, TREB, etc.

Table with columns for station call letters, frequency, and other identifiers. Includes stations like OBKA, OBKA, OBKA, OBKA, OBKA, etc.

Table with columns for station call letters, frequency, and other identifiers. Includes stations like WATA, WATA, WATA, WATA, WATA, etc.

250 9h

Table with columns: RDO, Rodhopi, 8.06 92 P, Pn, 09 50 40.2 +0.1, ARG Arkhangelos, 11 77 114 P, Pn, 09 51 30.1 -0.9

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Table with columns: ARG Arkhangelos, 11 77 114 P, Pn, 09 51 30.1 -0.9, ARU Arti, 31.49 47 P, P, 09 55 04.1 -0.5

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Table with columns: ARU Arti, 31.49 47 P, P, 09 55 04.1 -0.5, ARU Arti, 31.49 47 d/P, P, 09 55 05.0 +0.4, ARU Arti, 31.49 47 d/P, P, 09 55 06.0 +1.4

IDC 25 09:48:57.4:1.3, 28.87N:67.40E, h0km, mb3.6/7, mbmp3.6/7, MS2.6/3, Error ellipse: s-maj=35.0km s-min=27.7km az=85.0

ISC 25 09:49:02.8:1.2, 28.98N:02:67.4E:0.2, h35km, n9, c0545/7, mb3.5/7, Pakistan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include AAK Ala-Archa, MKAP Makanchi Array, MKAR, KURBB Kurchatov Arra, BVAR Borovoye Array, ARCES ARCESS Array B, NOA NORRAR Array B, TORD Torod, WRA Warramunga Arr, ASAR Alice Springs.

IDC 25 09:54:42.1:57.0, 18.12S:178.82E, h0km, mb4.1/3, mbtmp4.1/3, Error ellipse: s-maj=1026.0km s-min=150.0km az=78.0, Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs.

IDC 25 10:02:48.5:1.2, 6.20S:143.45E, h0km, mb4.0/3, mbtmp4.1/5, ML2.9/2, Error ellipse: s-maj=36.4km s-min=24.4km az=73.0

ISC 25 10:02:53.4:1.1, 6.65S:0.1:143.09E:0.10, h35km, n6, c309/9, mb4.0/3, New Guinea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include PMG Port Moresby, WRA Warramunga Arr, WRA, ASAR Alice Springs, ASAR, MKAR Makanchi Array, GSPA South Pole Qui, ILAR Eielson Array.

UPA 25 10:25:12.9:0.4, 8.46N:83.01W, h20km, 2km, MW2.8

CATAC 25 10:25:12.7:0.6, 8.42N:83.03W, h6km, 2km, ML2.7

ISC 25 10:25:11.9:1.1, 8.38N:0.05S:83.01W:0.03, h30km, 7km, n16, c074/30, Costa Rica

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include PTPM Petrolterminale, CDITO Canoas, PIRO, BRUZ Volcan, BCOZ Palmira, PLAN Los Planes de, SRBA San Rafael, Bu, OCHAL Ojochal, CHGR2 Aguacate, PEZE Perez Zeledon, CDM Cerro de Muets, RIMA Rio Macho, VTCV VTCV, SOCE Pocosol, SOCE.

IDC 25 10:31:47.1:1.7, 1.85N:125.69E, h0km, mb3.5/4, mbtmp3.5/4, Error ellipse: s-maj=183.8km s-min=21.3km az=65.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array.

KURBB Kurchatov Arra 62.77 328 P P 10 42 14.5 +0.3

IDC 25 10:42:17.7:0.8, 54.18N:163.71W, h0km, mb4.1/25, mbtmp4.1/28, ML3.4/3, MS3.6/6/1, Error ellipse: s-maj=22.1km s-min=12.4km az=178.0

MOS 25 10:42:19.4:1.3, 54.10N:163.66W, h25km, mb4.7/20, Error ellipse: s-maj=14.6km s-min=6.7km az=84.1

AEIC 25 10:42:23.0:2.5, 53.96N:0.04:163.61W:0.06, h15km, 5km, Error ellipse: s-maj=6.6km s-min=4.4km az=160.0

NEIC 25 10:42:32.8:2.4, 54.03N:0.04:163.63W:0.06, h41km, 9km, mb4.2/57, ML4.5/12, ML4.2/2(AEIC), Error ellipse: s-maj=6.3km s-min=4.9km az=146.0

ISC 25 10:42:23.4:1.0, 54.02N:0.06:163.59W:0.04, h45km, 8km, n377, c1931/344, mb4.4/59, MS3.6/1, 61C-6D, Unimak Island region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include ISLZ Isanotski Laza, SSSL Shishaldin Sou, WESE West Dahl East, ISNN Isanotski Nort, FALS False Pass, WECS Westdahl Cape, WEBT Westdahl Beart, AKSA Akutan Strait, AHB Akutan Harbor, AKBBA Akutan Broad B, ZRO Akutan Zrod, LVA Lava Point, AKRB Akutan Reef Bi, PN7A Pavlov North-7, PVV Pavlov Volcano, UNV Unalaska Valle, UNV Unalaska Valle, PS1A Pavlov South-1, MTBL Makushin Table, MNAT Makushin Natee, MRER Makushin Rep1, MSW Makushin Switc, S12K Black Hills, S12K Black Hills, MAPS Pakushin South, SDPT Sand Point, SDPT Sand Point, SDPT Sand Point, SDPT Sand Point, CNBA Chernabura Isl, OKFG Magazine Ridge, OKCE Okmok Cone E, VNWFR Veniaminof 8, S14K Fog Glacier, VNFG Fog Glacier, M NIKH Nikolski High, NIKH Nikolski High, CHGN Chignik, CHGN, CHGN, P08K Saint George I, P08K Saint George I, ANNE Aniakchak Nort, SPIA Saint Paul Isl, SPIA Saint Paul Isl, SPIA Saint Paul Isl, CHIR Chirikof Islan, CHIR, O14K Tiguykauivet M, O14K Tiguykauivet M, O15K Ungalikthiuk R, O15K Ungalikthiuk R, P16K Nushagak River, P16K Nushagak River, N14K Kusokwak Cree, N14K Kusokwak Cree, Q17K Contact Creek, CNTC Contact Creek, ANCK Angle Creek, ACHA Angle Creek He, O16K Kokwok River B, O16K Kokwok River B, M13K Dall Lake, M13K Dall Lake, N15K Kwethluk River, N15K Kwethluk River, P17K Kvichak River, P17K Kvichak River, M11K Mekoryuk, OHAK Old Harbor, O17K Koliganek Bris, O17K Koliganek Bris, M14K Bethel, M14K Bethel, M15K Kasiguk River, M15K Kasiguk River, N16K Nishik Lake, N16K Nishik Lake, P18K Big Mountain, P18K Big Mountain, KDAK Kodiak Island, KDAK Kodiak Island, KDAK Kodiak Island, KDAK Kodiak Island, KDAK Kodiak Island, L14K Kuka Creek, L14K Kuka Creek, KDAK Kodiak Island, L14K Kuka Creek, L14K Kuka Creek.

Table with columns: Code, Station Name, Time, Res, ISC. Rows include Q19K Cape Douglas, N17K Nushagak Hills, O18K Koktuh Hills, O18K Koktuh Hills, M16K Timber Creek, M16K Timber Creek, SYI Shuyak Island, L15K Ungalik Mounta, L15K Ungalik Mounta, N18K Kilae Creek, N18K Kilae Creek, O19K Port Alsworth, O19K Port Alsworth, L16K Owhat River, L16K Owhat River, M17K Holitna River, M17K Holitna River, ADK Adak, ILSW Iliamna Southw, SVW2 Sparrevohn, SVW2 Sparrevohn, IVE Iliamna Volcan, K15K Wolf Creek Mou, K15K Wolf Creek Mou, N19K Bonanza Creek, N19K Bonanza Creek, M18K Stony River, M18K Stony River, L17K Donlin, L17K Donlin, J17K North Crescent, J14K Nanvaranak Lak, J14K Nanvaranak Lak, L18K Granite Mounta, BRSE Bradley Lake S, K17K Iditarod, M19K Big River Lodg, SPNN North Nagishia, L19K White Mountain, J16K Anvik River, J16K Anvik River, SPCP Crater Peak Br, M20K Styx River, J17K Vachin Dome, SLKM Skiak Lake, TTA Talatina, TTA Talatina, TTA Talatina, SEW Seward, O22K Cooper Landing, H17K Unalakleet, J18K Innoko River, SUA Susitna One, SKT Skwentna, RC01 Rabbit Creek A, K20K Kuskokwam, ANM Nome, ANM Nome, AMKA Amchitka, PMR Palmer, PMR Palmer, J19K Poorman, CUT Chulitna, KNK Knik Glacier, GHO Glory Hole Cre, CAST Castle Rocks, H17K North Crescent, SML Sawmill, J20K Novinta River, FID Port Fidalgo, G16K Koyuk River, H18K Honhosha River, H18K Honhosha River, SCM Sheep Creek Mo, EYAK Cordova Ski Ar, EYAK Cordova Ski Ar, EYAK Naaghedenei, EYAK Naaghedenei, KAIM Kayak Island, KLU Klutina, RAGM Ragged Mount, H19K Roundabout Mou, RND Reindeer, G18K Tagagawik, HMT Hamilton, M24K Tolsona, Glenn, DHY Denali Highway, F17K Baldwin Peninn, G19K Purcell Mountain, I21K Tanana, N25K Chitina, Valde, MLY Manley, H21K Melozitna Rive, G18B Gilchik Butte, WAX Waxell Ridge, IMAR Indian Mountain, TGL Tana Glacier, WRH Wood River Hil, F19K Shalereukit Mo, IMAR Sheep Creek Mo, I23K Minto, Yukon-K, HDM Harding Lake, HDA Murphy Dome, COLA College, COLA College, G21K Alsek, GRNC Granite Creek, M26K Nabesna, AK, IL31, ILAR Eielson Array, ILAR, ILAR Eielson Array, BARN Barnard Glacie, E19K Redstone River, LOGN Logan Glacier, J25K Salcha River, J25K Salcha River, PNL Bananza Creek, PNL Bananza Creek, BCAR Beaver Creek A, J26L Beaver Creek A, K27K Chicken, O29M Mount Kennedy, P29M Windy Craggy, M22K Seme Creek, D22K Ayikyak River, S31K Pelican, S31K, TOLK Toolik Lake Re, TOLK, I28M Miner Creek, I28M, E25K Arctic Village, J29N Klondike Camp, J29N, WHY Whitehorse, WHY, C23K Hilkil River, B22K Teshepuk Lake.

25d 10h

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1618

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like B22K, D25K, J30M, H29M, E27K, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like H11S2, H11S3, NEEM, TUC, MJAR, NOR, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like AKTO, HNR, BELG, PZH, AAK, etc.

SOF 25 10:53:27.1, 41:63N:01:23:69E:0.01, h16km2gkm, MD2.5/5
BEO 25 10:53:29.7, 0.5, 41:65N:23:63E, h0km, ML2.0/7
SKO 25 10:53:29.8, 41:64N:23:61E, h0km, ML2.0
ISC 25 10:53:27.0, 8, 41:63N:01:23:68E:0.02, h12km, 6km, n22, 0:40/42, 1C-1D, Greece-Bulgaria border region

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like MMB, KRB, KKB, RZN, etc.

IDC 25 10:54:49.0, 0.8, 55:61S:26:66W, h0km, mb4.0/6, mbmp4.0/7, ML3.6/1, MS3.1/2, Error ellipse: s-maj=36.1km s-min=17.6km az=60.0
NEIC 25 10:54:53.9, 1.5, 55:9S:01:27:31W:0.1, h20km2gkm, mb4-4/29, Error ellipse: s-maj=19.7km s-min=6.1km az=210.0
ISC 25 10:54:51.9, 0.6, 55:82S:01:27:3W:0.1, h10km, n49, 0:16/42, mb4.3/8, 18, South Sandwich Islands region

Table with columns: Code, Station Name, Azimuth, Altitude, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Palmer Station, Belgrano 2, TRQA Torquist, etc.

Table with columns: Code, Station Name, Azimuth, Altitude, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like IDC 25 11:00:06.8, DJA 25 11:00:10.0, etc.

Table with columns: Code, Station Name, Azimuth, Altitude, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like NEIC 25 11:04:09.3, HVO 25 11:04:10.5, etc.

Table with columns: Code, Station Name, Azimuth, Altitude, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like SOME 25 11:11:32.8, NNC 25 11:11:33.7, etc.

Table with columns: Code, Station Name, Azimuth, Altitude, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like ATH 25 11:17:26.6, THE 25 11:17:27.1, etc.

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

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like GCPR, HUMP, COL SAN ANTONI, etc.

ICD 25-11:23:52.8, 0.20: 05N:05:07W, h0km, mb3.7/10, mbmp3.8/13, ML3.8/3, MS3.0/5, Error ellipse: s-maj=24.2km s-min=16.3km az=66.0 NEIC 25-11:23:52.4, 2.20: 18N:01:07.65E, h10km, 11km, mb4.3/32, Error ellipse: s-maj=11.9km s-min=6.8km az=188.0 SDD 25-11:23:58.0, 2.1, 19:71N:64.87W, h115km, 121km, MD3.7, ML3.8, MW3.6 ISC 25-11:23:55.7, 2.0, 20:01N:03:03.99W, h02, h26km, 16km, n109, t1942/104, mb4.1/26, MS3.0/3, 8C-2D, North Atlantic Ocean



25d 13h

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, ISC. Includes stations like OBF4, BURU, BURV, etc.

NOU 25 13:03:20.8, 36°34'S, 177°87E, h296km, MLV4.1/14, Off E. Coast of N. Island, N.Z.

WEL 25 13:03:29.4, 1.1, 36°5.9' S, 177°7E, h227km, gkm, M3.3/42, ML3.4/8, MLV3.3/42, Error ellipse: s-maj=0.0km

ICC 25 13:03:31.4, 1.6, 36°18'S, 176°65E, h231km, gkm, mb3.4/4, mbmp4.1/5, Error ellipse: s-maj=33.1km s-min=18.6km az=50.0

ISC 25 13:03:29.1±1.2, 36.7S, 0.1x177.30E±0.09, h254km, 7km, n177, ±131/186, mb3.7/4, Off east coast of North Island

Main station list table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, ISC. Includes stations like HAZ, WHRZ, MXZ, etc.

2018 APR

Main station list table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, ISC. Includes stations like TMVZ, KRVZ, ETVZ, etc.

1622

Main station list table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, ISC. Includes stations like GPSZ, HOTEL, ORTG, etc.





25d 13h

Table with columns: COEN, Coen, Time, P, I, A, M, B, S, SNR, etc. Lists various seismic stations and their parameters.

NNC 25 13:31:55.3-0.6, 46.83N-84.00E, h5km, 6km, mb3.7, mpv3.6, Error ellipse: s-maj=6.3km s-min=3.3km az=131.0

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC. Lists station codes and names for the event.

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Table with columns: SEM, Semipalatinsk, Time, P, I, A, M, B, S, SNR, etc. Lists seismic stations and their parameters.

NAO 25 13:36:09.7-2.4, 70.70N-6.59W, h24km, 22km, ML3.5, BER 25 13:36:11.3-2.7, 70.67N-6.70W, h25km, 44km, ML2.7

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC. Lists station codes and names for the event.

1624

Table with columns: NOR, Nord, Time, P, I, A, M, B, S, SNR, etc. Lists seismic stations and their parameters.

NIED 25 13:46:18.9, 47.66N, 147.54E, h502km, MW4.9, Moment Tensor Solution. s3 Moment tensor: Scale 10^19Nm

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC. Lists station codes and names for the event.







25d 13h

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1628

Table with columns: WIKU, Viklandet, 66.26 334 eP, P, 13 56 20.6 -1.0, SRU, comp=Z,29nm,0.7s, 69.33 323 P, P, 13 56 39.3 -1.4

Table with columns: LUBAR, Lubar, Ukraine, 69.33 323 P, P, 13 56 39.3 -1.4, MURIC, Murrieta, 69.34 63 P, P, 13 56 41.6 +0.5

Table with columns: D41A, Chassel, 73.60 36 P, P, 13 57 05.6 -0.2, BGNE, Belgrade, 73.90 45 P, P, 13 57 07.6 -0.1



M19K	baz=199	Big River Lodg	83.95	10	P	P	14 08 16.9	-0.3
GAMB	baz=201	Gambell	83.98	2	P	P	14 08 17.2	0.0
RC01	baz=181	Rabbit Creek A	84.08	13	P	P	14 08 18.3	+0.5
K17K	baz=205	Iditarod	84.12	8	P	P	14 08 18.5	+0.6
L19K	baz=197	White Mountain	84.13	10	P	P	14 08 18.3	+0.2
M20K	baz=201	Styx River	84.15	11	P	P	14 08 18.7	+0.4
CRAC	baz=202	Craig	84.17	23	P	P	14 08 19.2	+0.8
W18A	baz=221	Petrified Fore	84.20	49	P	P	14 08 19.3	+0.1
SUA	baz=240	Susitna One	84.22	12	P	P	14 08 18.6	0.0
121A	baz=204	Cookes Peak, D	84.37	52	P	P	14 08 20.5	+0.4
J16K	baz=242	Anvik River	84.37	7	P	P	14 08 19.9	+0.8
GLK	baz=195	Glacier Island	84.47	14	P	P	14 08 20.3	+0.5
EYAK	baz=208	Cordova Ski Ar	84.49	15	P	P	14 08 20.7	+0.8
SKT	baz=204	Skwentna	84.53	12	P	P	14 08 20.3	+0.3
L20K	baz=206	Farewell, AK	84.57	10	P	P	14 08 20.2	0.0
M22K	baz=202	Willow	84.60	12	P	P	14 08 20.6	+0.2
SIT	baz=205	Sitka	84.62	21	P	P	14 08 20.7	+0.2
V35K	baz=219	Ketchikan	84.64	24	P	P	14 08 21.1	+0.4
KNK	baz=222	Knik Glacier	84.64	13	P	P	14 08 20.5	-0.1
TTA	baz=207	Tatalina	84.65	9	P	P	14 08 20.4	-0.3
PMR	baz=200	Palmer	84.66	13	P	P	14 08 20.7	+0.1
PMR	baz=206	Palmer	84.66	13	P	P	14 08 20.7	+0.1
J17K	baz=206	VADM Dome	84.67	8	P	P	14 08 20.8	+0.2
U33K	baz=197	Whale Pass	84.67	23	P	P	14 08 21.3	+0.6
GHO	baz=221	Glory Hole Cre	84.87	13	P	P	14 08 21.7	-0.1
I17K	baz=195	Unalakleet	84.94	7	P	P	14 08 23.1	+1.1
SML	baz=207	Sawmill	85.02	13	P	P	14 08 23.3	+1.2
S31K	baz=218	Pelican	85.03	20	P	P	14 08 23.3	+0.8
J18K	baz=218	Innokov River	85.06	9	Iamb	Iamb	14 08 23.8	0.0
J18K	comp=Z, 9.4nm, 0.8s	Innokov River	85.06	9	P	P	14 08 23.3	+0.7
BMRM	baz=199, SNR=5.1	Bremner River	85.14	15	P	P	14 08 23.3	+0.2
M23K	baz=210	Glacier View	85.14	13	P	P	14 08 22.4	-0.7
ANM	baz=207	Nome	85.14	5	P	P	14 08 23.4	+0.4
CUT	baz=191	Chulitna	85.17	12	P	P	14 08 22.2	-0.9
WRAC	baz=205	Wrangell Islan	85.18	23	P	P	14 08 23.3	0.0
PPLA	baz=221	Purkeypile	85.26	11	P	P	14 08 24.1	+0.3
SCM	baz=203	Sheep Creek Mo	85.26	14	P	P	14 08 23.7	-0.1
KLU	baz=208	Klutina	85.28	14	P	P	14 08 23.9	+0.1
CRQE	baz=209	Cirque	85.33	16	P	P	14 08 23.9	-0.2
K20K	baz=212	Telida	85.36	10	P	P	14 08 23.9	-0.2
HLID	baz=201	Halley	85.53	40	P	P	14 08 25.0	-0.7
N25K	baz=236	Chitina, Valde	85.59	15	P	P	14 08 25.7	-0.2
J19K	baz=210	Poorman	85.72	9	P	P	14 08 26.1	+0.3
CAST	baz=200	Castle Rocks	85.76	11	P	P	14 08 25.3	-0.8
M24K	baz=203, SNR=9.1	Tolsona, Glenn	85.76	14	P	P	14 08 26.6	+0.4
MNTX	baz=209	Cornudas Moun	85.79	54	P	P	14 08 27.1	+0.1
R32K	baz=243	Eaglecrest	85.84	21	P	P	14 08 26.8	+0.3
WAT6	baz=219	Susitna Watana	85.84	13	P	P	14 08 26.2	-0.5
P29M	baz=207, SNR=5.7	Windy Craggy	85.89	19	P	P	14 08 27.3	+0.5
WAT1	baz=216	Susitna Watana	85.90	13	P	P	14 08 27.0	+0.2
CTG	baz=200	Chitna Glacier	85.97	16	P	P	14 08 27.4	+0.1
TXAR	baz=213	Lajitas Array	86.07	57	P	P	14 08 29.8	+1.3
TRF	comp=Z, 0.6nm, 0.6s, baz=231, slow=5.7, SNR=3.5	Thorofare Moun	86.12	12	P	P	14 08 27.6	-0.4
J20K	baz=205, SNR=8.2	Novinta River	86.12	10	Iamb	Iamb	14 08 27.6	-0.2
J20K	comp=Z, 6.5nm, 0.6s	Novinta River	86.12	10	P	P	14 08 27.8	0.0
O28M	baz=201, SNR=7.5	Mount Upton	86.12	17	P	P	14 08 28.0	-0.2
CHUM	baz=214	Lake Minchum	86.15	11	P	P	14 08 26.9	-1.0
PLBC	baz=203	Pleasant Camp	86.17	19	P	P	14 08 27.8	-0.3
O29M	baz=216	Mount Kennedy	86.19	18	P	P	14 08 28.8	+0.4
G16K	baz=208	Koyuk River	86.23	6	P	P	14 08 29.0	+0.7
DHY	baz=208	Denali Highway	86.36	13	P	P	14 08 30.0	+0.9
P30M	baz=217	Million Dollar	86.52	19	P	P	14 08 30.2	+0.3
BPAW	baz=204	Bear Paw Mtn.	86.58	11	P	P	14 08 31.0	+0.0
MCK	baz=206, SNR=5.1	McKinley	86.63	12	P	P	14 08 31.7	-0.6
I20K	baz=201	Naaghedeneel	86.65	9	P	P	14 08 30.3	+0.1
YUK8	baz=214	Steele Glacier	86.67	17	P	P	14 08 31.1	+0.3
PAX	baz=209	Paxson	86.68	14	P	P	14 08 31.0	+0.4
S34M	baz=222	Telegraph Cree	86.74	22	P	P	14 08 31.5	+0.6
M26K	baz=212	Nabesna, AK	86.77	15	P	P	14 08 30.9	-0.1
YUK6	baz=216	Outpost Mounta	86.78	18	P	P	14 08 31.3	-0.1
YUK3	baz=214	Moose Creek	86.88	16	P	P	14 08 32.3	+0.5
HYT	baz=216	Haines Junctio	86.92	18	P	P	14 08 32.7	+0.8
M27K	baz=213	Edge Creek, AK	87.00	16	P	P	14 08 32.8	+0.5
YUK4	baz=216	Talbot Arm	87.02	17	P	P	14 08 32.9	+0.5
H19K	baz=199	Roundabout Mou	87.05	8	P	P	14 08 32.5	+0.3
G18K	baz=197	Tagagawik	87.12	7	P	P	14 08 33.1	+0.5
L26K	baz=211	Log Cabin Wild	87.22	15	P	P	14 08 33.8	+0.7
H20K	baz=200	Anotenneega Mo	87.24	9	P	P	14 08 33.6	+0.4
O30N	baz=218	Mendenhall	87.30	19	P	P	14 08 34.3	+0.7
BVCY	baz=209	Beaver Creek	87.31	16	P	P	14 08 34.3	+0.7
K24K	baz=209	Donnelly Dome	87.34	13	P	P	14 08 34.0	+0.3
F17K	baz=209	Baldwin Pennin	87.36	6	P	P	14 08 34.1	+0.5
NEA2	baz=195	Nenana	87.38	12	P	P	14 08 34.1	+0.2
I21K	baz=203	Tanana	87.40	10	P	P	14 08 33.9	0.0
WRH	baz=203	Wood River Hil	87.46	12	Iamb	Iamb	14 08 33.9	-0.3
MLY	comp=Z, 10.0nm, 0.8s	Manley	87.48	11	P	P	14 08 34.2	-0.1
DLBC	baz=204	Dease Lake	87.52	23	P	P	14 08 34.7	0.0
G19K	baz=223	Purple Mounta	87.55	8	P	P	14 08 34.5	-0.1
N30M	baz=198	Aishik Lake	87.55	18	P	P	14 08 34.6	-0.2
WHY	baz=217	Whitmore	87.58	19	P	P	14 08 35.4	+0.4
L27K	baz=219	Beaver Creek,	87.61	15	P	P	14 08 35.3	+0.3
HDA	baz=213	Harding Lake	87.63	13	P	P	14 08 35.2	+0.2
CCB	baz=209, SNR=5.8	Clear Creek Bu	87.67	12	P	P	14 08 34.1	-1.1
F18K	baz=219	Selawik	87.68	7	P	P	14 08 35.2	0.0
O20A	baz=196	White River Ci	87.69	46	P	P	14 08 36.0	-0.2
H21K	baz=202	Melozitna Rive	87.71	10	P	P	14 08 36.3	+1.0
I23K	baz=218	Minto, Yukon-K	87.83	11	P	P	14 08 35.9	0.0
COLA	baz=209	College	87.87	12	P	P	14 08 36.0	-0.1
SCRK	baz=207	Sand Creek	87.89	14	P	P	14 08 36.3	-0.1
P33M	baz=221	Teslin, Yukon	87.89	20	P	P	14 08 37.1	+0.7
R33M	baz=221	Jennings River	87.90	22	P	P	14 08 36.8	+0.3
E17K	baz=222	Hotnam Inlet	87.93	6	P	P	14 08 36.6	+0.3
N31M	baz=194	Braeburn, Yuko	87.96	18	P	P	14 08 36.4	-0.3
ILAR	baz=218	Whitman Array	87.97	12	P	P	14 08 36.3	-0.3
ILAR	baz=217	Elsion Array	87.97	12	P	P	14 08 36.0	-0.6
M29M	comp=Z, 1.9nm, 0.3s, baz=215, slow=5.0, SNR=62	Somme Creek	87.97	17	P	P	14 08 37.6	+0.9
F19K	baz=216	Shalerukik Mo	88.12	7	P	P	14 08 37.5	+0.2
BW06	baz=198	Boulder Array	88.13	43	P	P	14 08 36.8	-1.3
PDAR	comp=Z, 0.4nm, 0.5s, baz=236, slow=2.7, SNR=5.0	Pinedale Array	88.13	43	P	P	14 08 39.4	+1.2
J25K	comp=Z, 0.4nm, 0.5s	Salcha River	88.14	13	P	P	14 08 37.2	-0.3
H22K	baz=209, SNR=5.5	Ishlitiina Cre	88.16	10	P	P	14 08 37.7	+0.2
POKR	baz=204, SNR=7.7	Poker Plat Res	88.17	12	P	P	14 08 37.5	0.0
BOZ	baz=216	Bozeman (W)	88.30	40	P	P	14 08 38.2	-0.6
K27K	baz=238	Chicken	88.37	15	P	P	14 08 38.4	-0.1
E18K	baz=219	Tukuhlearik C	88.38	6	P	P	14 08 38.2	-0.2
G21K	baz=195	Allakaket	88.40	9	P	P	14 08 38.8	+0.2
H23K	baz=202	Yukon River	88.41	11	P	P	14 08 38.6	-0.1
D17K	baz=206	Noatak River	88.42	5	P	P	14 08 38.0	-0.6
J26L	baz=193	Joseph Creek	88.44	14	P	P	14 08 38.7	-0.2
SDCO	baz=211, SNR=5.6	Great Sand Dun	88.45	49	P	P	14 08 39.3	-0.6
N32M	baz=243	Quiet Lake	88.52	20	P	P	14 08 39.5	+0.2
M30M	baz=243	Minto, Yukon	88.53	17	P	P	14 08 38.8	-0.5
F20K	baz=217, SNR=6.0	Avaragat Lake	88.59	8	P	P	14 08 39.6	+0.2
L29M	baz=200	D9M	88.60	17	P	P	14 08 39.7	0.0
RDOG	baz=216, SNR=6.0	Red Dog Mine	88.78	5	P	P	14 08 40.5	+0.2
E19K	baz=193	Redstone River	88.79	7	P	P	14 08 40.1	-0.3
PRP	baz=198	Porcupine Dome	88.80	13	P	P	14 08 41.2	0.0
M31M	baz=209	Drury Creek, Y	88.83	18	P	P	14 08 41.6	+0.4
833A	baz=219	Chaparral WMA,	88.95	59	P	P	14 08 42.5	0.0
DAWY	baz=246	Dawson	89.06	16	P	Iamb	14 08 42.3	+0.5
DAWY	comp=Z, 8.6nm, 0.7s	Dawson	89.06	16	P	Iamb	14 08 43.3	0.0



Table with columns: Code, Station Name, Azimuth (AZ), Elevation (E), Station ID, Phase ID, Time (h m s), Res (ISC). Rows include stations like Norcia, Monte Corvaci, Campello sul Tevere, Gavelli, Leonessa, Cesi-Serrava, Matera, Cessapalombo, Pellecrista, Teramo, etc.

ROM 25 14:13:19.4:0.0, 43.209N, 0.0003:13.068E:0.004, h11km, ML0.8/7, Error ellipse: s-maj=0.3km s-min=0.2km az=322.0, Central Italy

Continuation of station data table from the previous block, including stations like Matera, Cessapalombo, Pellecrista, Teramo, etc.

Main station data table with columns: Code, Station Name, Azimuth (AZ), Elevation (E), Station ID, Phase ID, Time (h m s), Res (ISC). Rows include stations like Elcito, Fossato di Vic, Montefalcone, Montepapone, Cingoli, Matera, Montelagocci, Monte Urbano, Monte Martini, Arcevia, Scheggia, Leonessa, San Martino, Aronne, Monte Vai, Cesi, Torpederas, Curacav, Esateban, Peledehue, Santo Domingo, Renca, Papieto, Fiamignano, etc.

h241km, 15km, n34, r1931/49, Southern Bolivia

Table with columns: Code, Station Name, Azimuth (AZ), Elevation (E), Station ID, Phase ID, Time (h m s), Res (ISC). Rows include stations like Mochara, Yavi, IPOC Station P, etc.

SJA 25 14:24:54.3:0.7, 32.48S, 71.70W, h67km, 6km, ML3.7, MW3.8 GUC 25 14:24:56.6:0.8, 32.50S, 71.56W, h67km, 3km, ML4.0 ISC 25 14:25:55.6:1.2, 32.49S, 71.78W, 0.05, h58km, 10km, n63, r1920/102, 9C-3D, Near coast of central Chile

Table with columns: Code, Station Name, Azimuth (AZ), Elevation (E), Station ID, Phase ID, Time (h m s), Res (ISC). Rows include stations like Catapilco, Torpederas, Curacav, Esateban, Peledehue, Santo Domingo, Renca, Papieto, Fiamignano, etc.

SJA 25 14:18:19.9:0.6, 20.51S, 66.84W, h244km, 5km, ML3.5, MW3.5 SCB 25 14:18:22.4:1.2, 20.53S, 66.90W, h220km, 11km, ML3.7/4, MW4.0, Error ellipse: s-maj=5.3km s-min=3.4km az=0.0, ISC 25 14:18:20.4:1.9, 20.56S, 0.05, 66.90W, 0.05,



NEIC 25 14:46:21.0,0.3,36.933N,0.010:97.63W,0.01,h1km,2km, Error ellipse: s-maj=1.6km s-min=1.5km az=98.0

TUL 25 14:46:21.5,0.4,36.95N,0.02:97.63W,0.01,h7km,7km, ML3.0,mb\_Lg2.5/29(NEIC),ML2.8/47(NEIC),Error ellipse: s-maj=2.2km s-min=1.2km az=196.0, Oklahoma

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC, h m s, ISC. Rows include stations like KAN13 South Haven SW, KAN17 Caldwell West, KAN17 Caldwell West, etc.

IDC 25 14:50:43.1±1.1,36.44N,139.44E,h132km,8km,mb3.0/4, mbmp3.6/6,Error ellipse: s-maj=23.8km s-min=10.7km az=78.0

JMA 25 14:50:45.3±0.2,36.3N,0.6:139.2E:0.8,h137km±1km, MV3.3/40, SE GUNMA PREF

ISC 25 14:50:44.6±0.9,36.41N,0.05:139.17E:0.06,h138km±7km, n28,r134/39,mb3.4/4,Eastern Honshu

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC, h m s, ISC. Rows include stations like JAG Ashikaga, JAG Ashikaga, JKT Katashina, etc.

NEIC 25 14:52:58.6,0.3,36.95N,0.010:97.63W,0.01,h6km,4km, Error ellipse: s-maj=2.1km s-min=1.3km az=191.0

TUL 25 14:52:58.7,0.4,36.94N,0.010:97.64W,0.01,h4km,5km, ML3.0,mb\_Lg2.8/85(NEIC),ML3.3/59(NEIC),Error ellipse: s-maj=1.5km s-min=1.3km az=165.0, Oklahoma

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC, h m s, ISC. Rows include stations like KAN13 South Haven SW, KAN13 South Haven SW, KAN13 Caldwell West, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC, h m s, ISC. Rows include PHWY Pilot Hill, HNDO Hondo, PECS Red Feather La, etc.

NEIC 25 14:58:57.6±0.3,36.95N,0.02:97.63W,0.008,h5km,7km, Error ellipse: s-maj=2.5km s-min=0.7km az=165.0

TUL 25 14:58:57.7,0.4,36.94N,0.02:97.63W,0.008,h6km,7km, ML2.9,mb\_Lg2.4/19(NEIC),ML2.6/45(NEIC),Error ellipse: s-maj=2.5km s-min=0.7km az=165.0, Oklahoma

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC, h m s, ISC. Rows include KAN13 South Haven SW, KAN13 Caldwell West, KAN17 Caldwell West, etc.

TAP 25 15:20:30.2,24.88N,122.40E,h3km,ML1.9,1C-4D,D, Taiwan region

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC, h m s, ISC. Rows include TWB1 Santiao Chiao, TWB1 Santiao Chiao, EOS2 EOS2, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TWY Chenhua, NDT Datong Townshi, LATG Datong, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like IRIF Iriomote-Funau, HATJ Hateruma jima, etc.

ICD 25 15:29:29.9, 0.5, 4.87S:154.17E, h388km, mb4, 0/21, mtbpm4.8/24, Error ellipse: s-maj=11.0km s-min=6.2km

NEIC 25 15:29:29.7, 1.3, 4.88S:101.1542E, h387km, mb4, 7/125, Error ellipse: s-maj=15.2km s-min=13.1km

DJA 25 15:29:30.0, 2.0, 4.5S:145.154E, h388km, mb4, 5/25, mb4, 9/8, mb4, 6/25, MLV4, 8/3, Mw(mb)4.2/8

ISC 25 15:29:29.7, 0.4, 4.90S:105.15421E, h392km, mb4, n523, 0/78/546, mb4/793, 2C, Bougainville-Solomon Islands region

Main station list table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like RABL Rabaul, MANU Manus Island, etc.

Main station list table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like NLAI Namlea, STKA Stephens Creek, etc.

Main station list table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like L14K Kuka Creek, N15K Kwethluk River, etc.

Table with columns: Station Name, Elevation, Date, Time, Status, and Value. Includes stations like RDOG Red Dog Mine, PPLA Purkeypile, J20K Nowinta River, etc.

Table with columns: Station Name, Elevation, Date, Time, Status, and Value. Includes stations like B20K Meade River, MESA MESA, C21K Knifeblade Rid, etc.

Table with columns: Station Name, Elevation, Date, Time, Status, and Value. Includes stations like KSH Kashi, I27K Kandi River, F26K Sheenjek River, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like SNCC San Nicolas Is, BVAR Borovoye Array, and many others.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, and other technical details. Includes stations like YATUC Mamie plateau, YATUC Port Dumeau, and many others.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, and other technical details. Includes stations like FWVZ Far West T-bar, TUVZ Tukino, and many others.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like KAN14, KS21 Milan North St, KS21 Milan North St, etc.

Station information and coordinates:
IDC 25 16:05:56.2, 0.5, 53.425, 24.71E, h0km, mb4.5/15,
mbmp4.5/15, MS4.0/35, Error ellipse: s-maj=20.6km
s-min=14.5km az=69.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like H04N3 CROZET ISLANDS, H04N1 CROZET ISLANDS, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like SUR Sutherland, SUR Sutherland, SUR Sutherland, etc.

Station information and coordinates:
IDC 25 16:05:58.3, 1.6, 53.455, 0.07, 24.9E, 0.2, h1km, 1km,
mb4.9/34, Error ellipse: s-maj=20.6km s-min=3.1km
az=122.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like DBIC Dimbokro, ATD Arta Tunnel, MT02 Curacao, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like EIL Eliat, TWSI Taliwang, PLAI Plampang, etc.

Station information and coordinates:
IDC 25 16:08:59.1, 0.9, 13.36N, 120.10E, h0km, mb3.7/6,
mbmp3.8/6, MS3.6/3, Error ellipse: s-maj=18.3km
s-min=12.2km az=133.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like TGY Tagaytay City, TGY Tagaytay City, TGY Tagaytay City, etc.

25d 16h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WBO Warramunga Arr, WRAB Tennant Creek, WRA Warramunga Arr, etc.

NOU 25 16:25:54.3, 42:07S, 177:35E, h16km, MLv4.0/14, Off E. Coast of S. Island, N.Z.

WEL 25 16:25:56.9, 0.6, 42:51S, 177:07E, h33km, M3.3/23, ML3.6/24, MLv3.0/23, Error ellipse: s-maj=0.0km

ISC 25 16:25:52.0, 2.0, 42:13S, 0:06E, 177:54E, 0:07, h29km, 15km, n148, c232/161, Off east coast of South Island

Main table of station data for the 25d 16h period, listing codes, station names, and coordinates.

2018 APR

Table of station data for the 2018 APR period, listing codes, station names, and coordinates.

NEIC 25 16:43:14.1, 1.1, 4.0, 20:91S, 0:09E, 177:8W, 0:2, h441km, 26km, mb4.0/17, Error ellipse: s-maj=21.0km s-min=13.1km az=84.0

IDC 25 16:43:14.8, 3.8, 20:75S, 177:91W, h452km, 39km, mb3.1/7, mbmp4.0/9, Error ellipse: s-maj=24.5km s-min=14.9km az=82.0

ISC 25 16:43:14.0, 0.6, 20:79S, 0:09E, 177:8W, 0:1, h450km, n36, c096/37, mb3.9/14, Fiji Islands region

Main table of station data for the 2018 APR period, listing codes, station names, and coordinates.

1638

MW3.7 GUC 25 16:50:15.2, 0.9, 19:25S, 70:16W, h53km, 9km, ML3.8 ISC 25 16:50:16.1, 1.0, 19:24S, 0:02E, 70:22W, 0:05, h32km, 11km, n33, c110/59, 1C-30, Near coast of northern Chile

Table of station data for the 1638 period, listing codes, station names, and coordinates.

ANF 25 16:52:06.8, 0.2, 33:96N, 117:21W, h16km, 1km, ML3.1/32, Error ellipse: s-maj=1.0km s-min=0.9km az=24.0

NEIC 25 16:52:07.2, 0.8, 33:97N, 0:009E, 117:20W, 0:01, h18km, 2km, Error ellipse: s-maj=1.3km s-min=1.1km az=22.0

PAS 25 16:52:07.9, 0.9, 33:97N, 0:008E, 117:21W, 0:010, h14km, 2km, ML3.2/293, ML2.9/54(NEIC), Error ellipse: s-maj=1.3km s-min=1.1km az=22.0

ISC 25 16:52:07.5, 0.8, 33:96N, 0:011E, 117:22W, 0:011, h18km, 5km, n128, c097/20, South California

Main table of station data for the 1638 period, listing codes, station names, and coordinates.







1641

Table with columns: Station Name, Elevation (m), Azimuth (deg), Slope (deg), Aspect, Azimuth (deg), Elevation (m), Azimuth (deg), Slope (deg), Aspect, Azimuth (deg), Elevation (m), Azimuth (deg), Slope (deg), Aspect. Includes stations like GHWR Ruweis, JRN Garran Island, ABKAR Akbulak array, etc.

2018 APR

Table with columns: Station Name, Elevation (m), Azimuth (deg), Slope (deg), Aspect, Azimuth (deg), Elevation (m), Azimuth (deg), Slope (deg), Aspect, Azimuth (deg), Elevation (m), Azimuth (deg), Slope (deg), Aspect. Includes stations like GNI comp=Z,1.1nm,0.8s, GNI Garni, G21K Ikpikpuk River, etc.

25d 17h

Table with columns: Station Name, Elevation (m), Azimuth (deg), Slope (deg), Aspect, Azimuth (deg), Elevation (m), Azimuth (deg), Slope (deg), Aspect, Azimuth (deg), Elevation (m), Azimuth (deg), Slope (deg), Aspect. Includes stations like APA comp=Z,5.0nm,0.9s, APA comp=Z,800nm,24.0s, EIL comp=Z,4.4nm,0.8s, etc.

IDC 25 17:05:57.6;2.2,3.72S:130.05E,h0km,mb3.8/5, mbmtmp3.8/5, Error ellipse: s-maj=117.8km s-min=32.7km az=67.0, Seram

Table with columns: Code, Station Name, Azimuth (deg), Phase ID, Time (h:m:s), Res (ISC). Includes stations like ASAR Alice Springs, CMAR Chiang Mai Arr, MKAR Makanchi Arr, etc.

JMA 25 17:07:42.6;0.1,364N:0.1x137.4E:0.3,h11km,1km, MV0.9/17, TOYAMA Gifu BORDER REG, Eastern

Table with columns: Code, Station Name, Azimuth (deg), Phase ID, Time (h:m:s), Res (ISC). Includes stations like JTT Tlatay, JGN Niukaw, JGN S.

IDC 25 17:15:04.0;2.1,1.19N:127.26E,h0km,mb3.7/4, mbmtmp3.7/4,MS3.6/2, Error ellipse: s-maj=171.3km s-min=27.0km az=65.0 DJA 25 17:15:14.8;0.4,1.1N:4.1x12.7E, h142km,5km, M4.0/13, mb4.2/3,mb4.7/2,MLV3.9/13,Mw(mb)4.0/2

ISC 25 17:15:17.1;1.0,1.28N:0.07x127.28E:0.09,h128km,n16, c1970/17,mb3.7/4,Halmahera

Table with columns: Code, Station Name, Azimuth (deg), Phase ID, Time (h:m:s), Res (ISC). Includes stations like TNTI Ternate, LBMI Labuha, GSGI Sangihe, etc.

25d 17h

0.4nm,0.5s,baz=340,slow=11,SNR=10
0.4nm,0.5s
STKA Stephens Creek 35.66 159 P
0.4nm,0.3s,baz=334,slow=12,SNR=1.7
MKAR Makanchi Array 59.87 326 P
0.3nm,0.4s,baz=129,slow=7.1,SNR=2.2
VANDA Vanda 80.94 173 LR
comp=Z,54nm,19.9s,baz=194,slow=35

PRU 25 17:15:19.5,44.71N;29.45E,h155km,M4.6
NAO 25 17:15:44.9,46.20N;26.95E,h133km,mb3.8
PDG 25 17:15:45.5,0.1,45.71N;26.61E,h150km,2km,ML4.6/13,
Error ellipse: s-maj=0.5km s-min=1.1km az=0.0
BUJ 25 17:15:47.0,0.0,45.60N;26.30E,h151km,mb4.6/28,
mb4.7/11
MOS 25 17:15:47.7,1.0,45.66N;26.41E,h154km,mb4.6/20,Error
ellipse: s-maj=4.1km s-min=3.1km az=107.6
MOLD 25 17:15:47.7,45.64N;26.33E,h150km,MB4.6,Mb5.0
BEO 25 17:15:48.7,1.0,45.69N;26.67E,h83km,km,ML4.2/16
MCSM 25 17:15:48.8,0.1,46.16N;1.2\*2\*6E,h143km,2km,mb4.7,
mb4.9,MLv4.7,Mw(mb4)2
IDC 25 17:15:48.5,0.3,45.69N;26.22E,h149km,2km,mb4.1/26,
mbtmp4.5/40,MS2,95N;Error ellipse: s-maj=8.5km
s-min=7.4km az=151.0
BUC 25 17:15:49.0,0.2,45.61N;26.43E,h148km,1km,ml4.5/88,
Error ellipse: s-maj=1.3km s-min=1.0km az=5.5
NEIC 25 17:15:48.6,2.1,45.63N;0.05;26.34E;0.07,h149km,5km,
mb4.6/39,Mw1.7/18(BUC),Error ellipse: s-maj=7.8km
s-min=6.9km az=169.0
MED\_RC 25 17:15:48.0,0.3,45.64N;26.58E,h150km,3km,MW4.5/24,
Moment Tensor Solution.Mantle waves: s24,c29;
Duration: 1s0 Moment tensor: Scale 10^15Nm;
Mw:4.92; Mw0:4.92;4; Mw0:0.00;4; Mw0:69;33;
Mw0:4.99;28; Mw0:2.99;23; Best double couple:
Mo:7.24000x10^15 Np1:33.00000; 660.00000;
7.56,00000; NP2:266.00000; 645.00000; 7.134,00000;
Principal axes: T:6.1700; Plg60.0000; Azm1:0.0000;
N:2.1300; Plg29.0000; Azm2:0.0000;
Plg8,0000; Azm147.0000; nsta1 refers to body waves.
nsta2 refers to surface waves, cutoff=35s.
SIGU 25 17:15:48.0,0.5,45.63N;26.44E,h154km
CFUSG 25 17:15:50.7,45.44N;26.66E,h132km,mb3.9/6,Romania
Magtype MSH 4.1 from 6 stations
SOF 25 17:15:53.1,45.40N;0.02;26.26E;0.01,h100km,2km,
MD4.4/9
ISC 25 17:15:48.6,0.4,45.60N;0.03;26.36E;0.02,h151km,3km,
h151km;pP-P,n952,61943/1104,mb4.5/68,147C-82D,

2018 APR

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, ISC, h, m, s, ISC. Contains station data for Romania and other regions.

1642

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, ISC, h, m, s, ISC. Contains station data for various international locations.

Table with columns: STHS, SMTH, BBLs, etc. containing station names, frequencies, and other technical details.

Table with columns: MPLH, ULC, BUM, etc. containing station names, frequencies, and other technical details.

Table with columns: KHC, ARG, ARG, etc. containing station names, frequencies, and other technical details.

25d 17h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like BNI, VSL, FABU, GEM, MMAI, etc.

2018 APR

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like PCBR, PMRV, PBAR, PESTR, etc.

1644

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like BILL, BILL, BILL, SEY, SEY, etc.

1645

Table with columns: STK, WRLG, USRK, PRP, H21K, G17K, I26K, H19K, H20K, J30M, G15K, NJ2, NJ2, NJ2, POKR, H18K, EGAK, I23K, I21K, J29N, MLY, COLA, ILAR, J25K, J26L, NEA2, DAWY, K29M, K29M, HDA, MAYO, K27K, SCRK, SCRK, J20K, BPAW, MMPY, SSPA, I17K, J19K, K24K, CHUM, L29M, MCK, J17K, TRF, BCAR, TGTN, L27K, FARO, CAST, J16K, M30M, KSR5, K20K, L26K, M31M, DXY, PAX, M29M, J14K, TTA, WAT1, BV3, K17K, M27K, WAT6, EYMN, EYMN, ULM, YSS, YSS, L20K, N31M, N32M, YUK3, K13K, N30M, M24K, L18K, L19K, WTLY, YUK4

2018 APR

Table with columns: SKT, O53A, SCM, M19K, M23K, M20K, YUK8, L15K, N25K, WHY, O30N, KLU, YUK6, HYT, P33M, M18K, KNK, SUA, TOAD, M17K, CTG, O28M, RC01, M16K, CROE, R33M, O29M, BOSA, P32M, M15K, N19K, N16K, BGLC, P29M, PLBC, F36A, L44A, O18K, O17K, BRSE, HOM, O16K, R31K, JFWS, O15K, P17K, F33A, S32K, Q20K, Q17K, WRAK, KDAD, OHAK, SII, V48A, EGMT, NEW, LRAL, RLMT, BOZ, K22A, MIAR, TUL3, BW06, PPAR, PPAR, PLID, N23A, KSCO, BMO, HLID, ISCO, SDVO, B11B, DUG, ANMO, ANMO, R11B, W18A, MNTX, TIN, TXAR

25d 17h

Table with columns: GMRC, HEC, GLA, PKM, TPFO, MONP2, IKP, MAW, WRA, WRA, ELIB, ASAR, ASAR, PLCA, STKA, QSPA, QSPA, VNSA, IDC 25 17:29:47, IDC 25 17:30:46, Code, KRVT, KRVT, WRA, ASAR, TORD, IDC 25 17:50:49, Code, PMSA, VNA3, VNA3, SNA2, SNA2, SNA2, SNA2, TROLL, QSPA, PLCA, CPUP, MAW, VNSA, SUR, SIV, BOSA, BOSA, LBTB, LBTB, H10S2, H10S3, H10N1, H10N3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like H10N2 ASCENSION HYDRFS65, MATP Matopo, LSZ Lusaka, etc.

IDC 25 17:52:50.9;2.2,6.29S;-128.76E, h0km, mb3.2/1, mbtmp3.1/3, ML3.2/2, Error ellipse: s-maj=113.9km s-min=32.7km az=67.0, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

IDC 25 18:00:19.9;1.6,3.93S;-129.59E, h0km, mb3.3/3, mbtmp3.3/4, ML2.7/1, Error ellipse: s-maj=92.7km s-min=29.5km az=75.0, DJA 25 18:00:20.0;0.4,5.7S;-13.0E, h49km, M3.4/9, MLV3.4/9

ISC 25 18:00:23.7;0.9,4.19S;-07.129.97E, h35km, n10, r188/12, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BNDI Bandanaira, FAKI Fak Fak, FAKI FAKI, etc.

NEIC 25 18:18:24.0;1.2,19.40N;-0.01;155.265W, 0.007, h1km, 4km, Error ellipse: s-maj=1.7km s-min=0.9km az=179.0

HVO 25 18:16:23.3;1.1,19.40N;-0.01;155.269W, 0.006, h0km, 4km, ML2.6/14, ML1.4/22(NEIC), Error ellipse: s-maj=2.0km s-min=0.7km az=193.0, Hawaiian Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KKO Keanakakoi, RIM Rim, BYL Byron's Ledge, etc.

RHSSO 25 18:58:28.3;0.7,43.93N;-16.49E, h3km, ML1.3/1, 3C, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KJV Kijevo, SRKY Kupres RS, SRKY SRKY, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SRKY Kupres RS, A050A Klekovaca, MORI Morici, etc.

CNRM 25 19:33:06.5, 35.32N;-4.46W, h100km, ML1.1 SFS 25 19:33:08.2, 35.36N;-4.46W, h55km, ML2.0/8, ML2.5/6, ISC 25 19:33:05.5;1.4,35.37N;-0.03;4.45W, 0.05, h103km, n11km, n23, r124/29, Strait of Gibraltar

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PALE Palemias, SMIR Smir Dam, AKLM AKL, etc.

TAP 25 19:40:37.5, 24.89N;-122.38E, h20km, 1km, ML1.8, D, Falawan region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TWB1 Santiao Chiao, EOS2 EOS2, SX11 Grass Mountain, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like JMA 25 19:41:26.7;0.4,25.1N;-124.1E, 0.9, h3km, MV1.1/5, NW OFF ISHIGAKIJIMA IS, Southwestern Ryukyu Islands

IDC 25 19:46:45.8;4.5,18.18S;-173.46W, h0km, mb3.6/2, s-maj=44.3km az=7.0, Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like RAO Raoul Island, PPT Papeete, WRA Warramunga Arr, etc.

NEIC 25 20:09:27.9;0.9,43.93N;-0.07;105.35W, 0.1, h0km, 1km, ML3.3/62, Error ellipse: s-maj=15.0km s-min=9.6km

IDC 25 20:09:28.5;1.1,43.94N;-105.47W, h0km, mbtmp3.0/6, ML2.5/4, Error ellipse: s-maj=20.0km s-min=9.4km az=146.0

ISC 25 20:09:28.5;0.9,43.97N;-0.05;105.25W, 0.05, h0km, n56, r086/57, Wyoming

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like RSSD Black Hills, K22A Casper, PHWY Pilot Hill, etc.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ULM, NVAR, TXAR, YKA.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OFUJ, JIKH, MIWJ, JYR.

IDA 25:20:51.49.0.7, 6.11S:131.02E, h0km, mb4.3/9, mbmp4.3/12, ML4.4/3, MS2.9/3, Error ellipse: s-maj=32.8km s-min=16.7km az=76.0

NEIC 25:20:51.52.2.1, 6.34S:0.06E:130.64E:0.10, h82km, gkm, mb4.1/20, Error ellipse: s-maj=13.7km s-min=9.3km

ISC 25:20:51.51.7.0.5, 6.36S:0.05S:130.73E:0.06, h90km, n86, r147/87, mb4.0/15, Banda Sea

Main table listing station data with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SAUI, BNDI, FAKI, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MKAR, MAZK, ARSB, etc.

NIED 25:20:58.56.1, 42.97N:144.62E, h82km, MW3.5, Moment Tensor Solution. s3 Moment tensor: Scale 10^14Nm

SKHL 25:20:58.56.8.0.4, 42.90N:144.70E, h78km, mb4.5/3, JMA 25:20:58.56.1.0.1, 43.03N:0.5:144.6E:0.5, h82km, 1km

ISC 25:20:58.56.1.0.8, 42.95N:0.06E:144.63E:0.03, h82km, 6km, n27, r067/42, mb3.4/6, Hokkaido region

Main table listing station data with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JAK, JKH, JKN, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MCQV, CRUC, SDV, etc.

BGR 25:21:59.26.7, 18.06S:177.78W, h33km, IDC 25:22:00.25.7.1.3, 17.71S:178.79W, h538km, 14km

NEIC 25:22:00.26.2.1.8, 17.71S:180.178.73W:0.09, h537km, 6km, mb4.7/142, Error ellipse: s-maj=13.1km s-min=11.8km az=81.0

NOU 25:22:00.27.9, 17.62S:178.82W, h561km, mb5.1/65, Fiji Islands Region

Main table listing station data with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TAVE, DGTI, MSVF, etc.

FUNV 25:21:58.34.5, 10.16N:71.97W, h9km, MW3.5, RSNC 25:21:58.35.6.0.0, 10.1N:2.7W, h5km, 5km, M2.8, ML2.6

25d 22h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like AULRC, TV1H, AUDCS, CTAO, etc.

2018 APR

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KNRA, FAKI, SWI, FITZ, etc.

1648

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ARVC, CBX, NJ2, etc.

1649

O19K	Port Alsworth	80.17	12	P	P	22 11 39.4	0.0
214A	Organ Pipe Nat	80.20	52	P	P	22 11 40.9	+0.5
214A	Organ Pipe Nat	80.20	52	P	P	22 11 41.4	+1.1
K13K	Kusilvak Mount	80.21	7	P	P	22 11 40.3	+0.7
HSG	Summer Lake	80.30	55	P	P	22 11 41.2	+0.3
K05A	Summer Lake	80.31	39	P	P	22 11 41.9	+1.1
K05A	Summer Lake	80.31	39	P	IAmb	22 11 43.0	
N18K	Kilauee Creek	80.31	11	P	P	22 11 40.0	-0.3
PDMCI	Parker Dam,Lak	80.34	49	P	P	22 11 41.9	+1.0
L15K	Ungalak Mounta	80.36	8	P	P	22 11 40.3	0.0
O20K	Slope Mountain	80.41	13	P	P	22 11 40.6	-0.2
BRSE	Bradley Lake S	80.53	14	P	P	22 11 41.2	-0.1
L16K	Owhai River	80.68	9	P	P	22 11 42.5	+0.5
N19K	Bonanza Creek	80.70	12	P	P	22 11 41.6	-0.8
M17K	Holitna River	80.71	10	P	P	22 11 43.0	+0.8
M17K	Holitna River	80.71	10	P	IAmb	22 11 44.3	
PINE	Pine Mountain	80.89	38	P	P	22 11 44.6	+0.7
PINE	Pine Mountain	80.89	38	P	IAmb	22 11 46.1	
K15K	Wolf Creek Mou	80.94	8	P	P	22 11 44.0	+0.6
K15K	Wolf Creek Mou	80.94	8	P	IAmb	22 11 45.4	
K15K	Wolf Creek Mou	80.94	8	P	P	22 11 43.6	+0.2
M18K	Stony River	81.08	11	P	P	22 11 44.2	+0.1
L17K	Donlin	81.26	10	P	P	22 11 45.6	+0.6
R11B	Troy Canyon, C	81.34	45	P	P	22 11 46.6	+0.3
R11B	Troy Canyon, C	81.34	45	P	P	22 11 47.0	+0.7
GAMB	Gambell	81.45	3	P	IAmb	22 11 46.2	+0.3
GAMB	Gambell	81.45	3	P	IAmb	22 11 50.0	
N20K	Mount Spurr	81.52	13	P	P	22 11 45.5	-0.9
UBPT	Khong Chiam	81.54	289	P	P	22 11 48.0	+0.5
L18K	Granite Mounta	81.61	10	P	P	22 11 47.6	+0.8
M19K	Big River Lodg	81.73	11	P	P	22 11 47.1	-0.4
K17K	Iltidarod	81.81	9	P	P	22 11 48.4	+0.5
TUC	Tucson	81.89	52	P	P	22 11 50.3	+1.2
TUC	Tucson	81.89	52	P	IAmb	22 11 52.1	
TUC	Tucson	81.89	52	P	P	22 11 50.6	+1.5
L19K	White Mountain	81.90	11	P	P	22 11 48.5	+0.2
M20K	Styx River	81.95	12	P	P	22 11 48.4	-0.3
J16K	Anvik River	82.02	8	P	P	22 11 49.0	+0.1
J16K	Anvik River	82.02	8	P	IAmb	22 11 50.6	
J16K	Anvik River	82.02	8	P	P	22 11 49.3	+0.4
IPM	Iloh	82.04	277	P	P	22 11 50.6	+0.4
IPM	Iloh	82.04	277	P	IAmb	22 11 51.8	
SUA	Susitna One	82.06	13	P	P	22 11 48.8	-0.5
SUA	Susitna One	82.06	13	P	IAmb	22 11 50.4	
SUA	Susitna One	82.06	13	P	P	22 11 49.3	-0.1
J17K	VABM Dome	82.34	9	P	P	22 11 50.9	+0.4
J17K	VABM Dome	82.34	9	P	IAmb	22 11 51.9	
J17K	VABM Dome	82.34	9	P	P	22 11 50.7	+0.2
L20K	Farewell, AK	82.35	11	P	P	22 11 50.5	-0.1
BELA	Belgrano 2	82.36	173	P	P	22 11 50.7	+0.1
BELA	Belgrano 2	82.36	173	P	IAmb	22 11 51.7	
SKT	Skwentna	82.36	13	P	P	22 11 49.5	-1.2
SKT	Skwentna	82.36	13	P	P	22 11 49.6	-1.1
TTA	Tatalina	82.39	10	P	P	22 11 51.1	+0.2
TTA	Tatalina	82.39	10	P	IAmb	22 11 52.1	
TTA	Tatalina	82.39	10	P	P	22 11 50.9	0.0
GLI	Glacier Island	82.40	15	P	P	22 11 50.7	-0.2
EYAK	Cordova Ski Ar	82.45	16	P	P	22 11 51.2	0.0
M22K	Willow	82.46	13	P	P	22 11 51.0	-0.1
KNK	Knik Glacier	82.54	14	P	P	22 11 51.3	-0.3
KNK	Knik Glacier	82.54	14	P	IAmb	22 11 52.1	
KNK	Knik Glacier	82.54	14	P	P	22 11 51.3	-0.3
PMR	Palmer	82.54	14	P	P	22 11 51.1	-0.4
KULM	Kulim	82.65	278	P	P	22 11 53.5	+0.2
KULM	Kulim	82.65	278	P	IAmb	22 12 33.3	
GRNB	Grenville Isla	82.67	27	P	P	22 11 53.0	+0.6
GRNB	Grenville Isla	82.67	27	P	IAmb	22 12 32.0	
GHO	Ghory Hole Cre	82.74	14	P	P	22 11 52.4	-0.3
BGLC	Bering Glacier	82.76	17	P	P	22 11 53.3	+0.7
J18K	Innoko River	82.77	10	P	P	22 11 52.7	0.0
SML	Sawmill	82.91	14	P	P	22 11 53.6	+0.1
WUJAZ	Wupatki	82.92	49	P	P	22 11 55.1	+0.8
WUJAZ	Wupatki	82.92	49	P	IAmb	22 11 56.8	
U33K	Whale Pass	83.00	24	P	P	22 11 54.3	+0.4
U33K	Whale Pass	83.00	24	P	IAmb	22 11 55.2	
U33K	Whale Pass	83.00	24	P	P	22 11 54.7	+0.8
CUT	Chulitna	83.01	13	P	P	22 11 54.5	+0.6
V35K	Ketchikan	83.02	25	P	P	22 11 54.9	+0.8
M23K	Glacier View	83.04	14	P	P	22 11 54.1	0.0
BMRM	Bremner River	83.11	16	P	P	22 11 54.3	-0.2
K20K	Telida	83.12	11	P	P	22 11 54.5	0.0
K20K	Telida	83.12	11	P	IAmb	22 11 55.3	
K20K	Telida	83.12	11	P	P	22 11 54.4	-0.1
SCM	Sheep Creek Mo	83.17	14	P	P	22 11 54.6	-0.2
SCM	Sheep Creek Mo	83.17	14	P	P	22 11 54.5	-0.3
MESA	MESA	83.18	18	P	P	22 11 55.1	+0.1
HAWA	Hanford	83.20	37	P	P	22 11 55.5	+0.3
HAWA	Hanford	83.20	37	P	IAmb	22 11 57.0	
KLU	Klutina	83.22	15	P	P	22 11 54.6	-0.5
S31K	Pelican	83.24	21	P	P	22 11 55.2	+0.1
G15K	Niukuk	83.26	6	P	P	22 11 55.0	-0.1
CRQE	Cirque	83.33	17	P	P	22 11 55.3	-0.4
J19K	Poorman	83.44	10	P	P	22 11 56.2	+0.2
S32K	Killino	83.45	22	P	P	22 11 56.6	+0.5

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TNA	Tin City	83.47	5	P	P	22 11 55.2	-0.9
F14K	Arctic Creek	83.51	5	P	P	22 11 54.9	-1.4
WRAK	Wrangle Hill	83.52	24	P	P	22 11 57.1	+0.6
PNL	Peninsula	83.58	19	P	P	22 11 57.0	+0.4
SEY	Seymour	83.55	347	P	P	22 11 56.1	-0.4
SEY	Seymour	83.55	347	P	P	22 11 56.1	-0.4
SEY	Seymour	83.55	347	P	P	22 11 56.1	-0.4
CAST	Castle Rocks	83.55	12	P	P	22 11 54.9	-1.7
CAST	Castle Rocks	83.55	12	P	IAmb	22 11 56.4	
CAST	Castle Rocks	83.55	12	P	P	22 11 55.2	-1.5
VRDI	Verde Repeater	83.63	16	P	P	22 11 57.0	-0.3
VRDI	Verde Repeater	83.63	16	P	IAmb	22 11 58.0	
N25K	Chitina, Valde	83.65	16	P	P	22 11 57.2	0.0
N25K	Chitina, Valde	83.65	16	P	P	22 11 57.2	0.0
BMO	Blue Mountains	83.65	39	P	P	22 11 57.3	-0.4
M24K	Tolsona, Glenn	83.68	15	P	P	22 11 57.8	+0.5
H17K	Granite Mounta	83.69	8	P	P	22 11 56.8	-0.4
WAT6	Susitna Watana	83.72	14	P	P	22 11 57.4	-0.3
WAT1	Susitna Watana	83.76	13	P	P	22 11 56.9	-0.7
MFID	Camas Ranch	83.79	41	P	P	22 11 58.7	+0.3
MFID	Camas Ranch	83.79	41	P	IAmb	22 12 00.2	
G16K	Koyuk River	83.83	7	P	P	22 11 58.0	+0.1
J20K	Nowinta River	83.86	11	P	P	22 11 58.0	-0.1
MCARA	McCarthy VSAT	83.88	16	P	P	22 11 58.2	-0.1
MAW	Maawson	83.88	200	P	P	22 11 58.4	+0.2
F15K	North Star Dit	83.89	6	P	P	22 11 57.8	-0.4
CHUM	Lake Minchumin	83.93	11	P	P	22 11 57.6	-0.8
W18A	Petried Fore	83.93	50	P	P	22 12 00.4	+1.0
TRF	Thorofore Moun	83.94	12	P	P	22 11 57.8	-0.9
TRF	Thorofore Moun	83.94	12	P	P	22 11 57.9	-0.9
CTG	Chitna Glacier	84.00	17	P	P	22 11 59.0	0.0
P29M	Windy Craggy	84.02	20	P	P	22 11 59.5	+0.4
H18K	Horhosa River	84.11	9	P	P	22 11 59.0	-0.3
G17K	Kiwalki Mounta	84.14	7	P	P	22 11 59.7	+0.3
O28M	Mount Upton	84.18	18	P	P	22 12 00.2	+0.1
HARP	HAARP	84.18	15	P	P	22 12 00.1	+0.3
RND	Reindeer	84.20	13	P	P	22 11 59.5	-0.4
DHY	Denali Highway	84.24	14	P	P	22 11 59.5	-0.7
DHY	Denali Highway	84.24	14	P	IAmb	22 12 00.7	
DHY	Denali Highway	84.24	14	P	P	22 11 59.7	-0.5
121A	Coos Peak, D	84.27	53	P	P	22 12 02.3	+1.2
O29M	Mount Kennedy	84.29	19	P	P	22 11 59.9	-0.5
F10A	Beach Ranch, E	84.30	38	P	P	22 12 00.5	-0.3
F10A	Beach Ranch, E	84.30	38	P	IAmb	22 12 02.1	
GSI	Gunungisitni	84.33	273	P	P	22 12 02.4	+0.8
GSI	Gunungisitni	84.33	273	P	IAmb	22 12 03.6	
PLBC	Pleasant Camp	84.33	20	P	P	22 12 01.0	+0.5
I20K	Naaghdeneel	84.38	10	P	P	22 12 01.1	+0.5
BPAW	Bear Paw Mtn.	84.38	12	P	P	22 11 59.2	-1.5
BPAW	Bear Paw Mtn.	84.38	12	P	P	22 11 59.9	-0.8
MCK	McKinley	84.47	13	P	P	22 12 00.9	-0.3
PAX	Paxson	84.59	15	P	P	22 12 01.4	-0.5
P30M	Million Dollar	84.65	20	P	P	22 12 02.8	+0.7
SKAG	Skagway	84.67	64	P	P	22 12 04.7	+1.3
SKAG	Skagway	84.68	21	P	P	22 12 02.8	+0.6
YUK8	Steele Glacier	84.71	18	P	P	22 12 03.1	+0.4
T35M	Bob Quinn	84.73	24	P	P	22 12 03.2	+0.6
M26K	Nabesna, AK	84.73	16	P	P	22 12 02.6	+0.1
H19K	Roundabout Mou	84.74	9	P	P	22 12 02.3	-0.1
HLID	Hailey</						

Table with columns: Station ID, Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like E23K Chandalar, H27K Steamboat Moun, J30M Hart River, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like ECSD EROS Data Cent, ZALV Zalesov Beam, MKAR Malchani Array, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like BSTI Sant Tilman, GZR Gura Zlata, TNS Taurus Mts, etc.

Technical notes and metadata including coordinates, station identifiers, and data processing parameters. Includes text like 'IDC 25.22:18.24.6.0.2.14:35N:89.78W, h190km,2km, mb4.0/21, mtdmp4.24, MS3.4/5, Error ellipse: s-maj=13.3km'.

1651

GCG 25:22:18:25.9:0.6, 14:39N-90:12W, h181km, 4km, MD4.5
ISC 25:22:18:23.6:0.3, 14:27N-0:04-90:02W, 0.03, h194km, 2km,
h194km: p-P, n803, i1906/909, mb.8/9, 21C-2D,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like Asuncion Mita, Alcaldia de Sa, Las Nubes, etc.

2018 APR

Main data table with columns: TECO, Alcaldia de Te, Time, Res, ISC. Rows include stations like Alcaldia de Te, Suchitepeque, Presa 15 de Se, etc.

25d 22h

Summary table with columns: CODE, Station Name, Time, Res, ISC. Rows include various codes like SAJU, SAJU, SAJU, etc.



1653

2018 APR

25d 22h

Table with columns: ID, Name, Elevation, Wind, Temp, Precip, etc. Includes entries like TGTN Hyland Airport, S32K Killisnoo, SIT Sitka, etc.

Table with columns: ID, Name, Elevation, Wind, Temp, Precip, etc. Includes entries like Q23K Middleton Isla, H29M Whitestone, N25K Chitina, Valde, etc.

Table with columns: ID, Name, Elevation, Wind, Temp, Precip, etc. Includes entries like BPAW Bear Paw Mtn., H23K Yukon River, PPLA Punkepile, etc.

25d 22h

Table of station data for 25d 22h, including call signs (e.g., N14K, J16K), station names, coordinates, and various parameters like frequency and power.

2018 APR

Table of station data for 2018 APR, including call signs (e.g., PRED, OSTC), station names, coordinates, and various parameters.

TAP 25:22:33.42.2, 24:17N:122:29E, h59km, ML3.4, C
JMA 25:22:33.42.4.0.1, 24:17N:122:30E, h59km, 2km,
MV3.2/16, TAIWAN REGION
ISC 25:22:33.42.9.1.2, 24:15N:122:32E, h51km, 7km,
n92, c090/130, Taiwan region

Table of station data for 2018 APR, including call signs (e.g., E0S4, E0S3), station names, coordinates, and various parameters.

1654

Table of station data for 1654, including call signs (e.g., YHNB, YHNB), station names, coordinates, and various parameters.

NEIC 25:22:50:01.2.1.9, 19:52N:0.01x155:72W:0.01, h5km, 2km,
Error ellipse: s-maj=3.2km s-min=2.6km az=218.0
HVO 25:22:50:00.1.1.2, 19:53N:0.01x155:76W:0.02, h9km, 4km,
ML2.1/5, ML2.5/30(NEIC), Error ellipse: s-maj=3.0km
s-min=1.6km az=68.0, Hawaiian Islands

Table of station data for 1654, including call signs (e.g., ALEP, CPH), station names, coordinates, and various parameters.





25d 23h

Table with columns: ID, Name, Value, Unit, Status, Date, Value, Unit, Status, Date. Includes entries like H11S1 WAKE ISLAND Hy, C18K Utukok River, H11S3 WAKE ISLAND Hy, etc.

2018 APR

Table with columns: ID, Name, Value, Unit, Status, Date, Value, Unit, Status, Date. Includes entries like G23K Bananza Creek, D23K Nunshuk River, H23K Yukon River, etc.

1656

Table with columns: ID, Name, Value, Unit, Status, Date, Value, Unit, Status, Date. Includes entries like L27K Beaver Creek, BCAR Beaver Creek A, D27M Malcom River, etc.



Table with columns for station name, frequency, power, and signal strength. Includes stations like ANMO Albuquerque, KIV Kislovodsk, and many others.

Table with columns for station name, frequency, power, and signal strength. Includes stations like RAKU Rakhiv, HOLLU Holmets, and many others.

Table with columns for station name, frequency, power, and signal strength. Includes stations like PLN Plauen, MOX Moxa, and many others.



26d Oh

Table of astronomical observations for 26d Oh, listing stations (e.g., MSVF, MILA, ARMA), station names, coordinates, and observation times.

2018 APR

Main table of astronomical observations for 2018 APR, listing stations (e.g., BVAR, GEYT, SPITS), station names, coordinates, and observation times.

1660

Table of astronomical observations for 1660, listing stations (e.g., ISC 26:00:23:05.4), station names, coordinates, and observation times.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like Kocaeli-K1jrfe, Hereke, Constanta Port, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like GHRR, EZNE, PURM, SMTH, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like PACA Pacayal, POSA, SCLA, etc.

CATAC 26 00:59:27.3 0.7, 12.03N:88.78W, h30km, 6km, ML3.0
SNET 26 00:59:27.9 1.0, 13.06N:88.71W, h66km, 11km, ML2.6, EI

IDC 26 01:08:21.2 3.4, 37.28N:72.17E, h172km, 26km, mb3.2/8,
m1mp3.8/14, MS3.1/1, Error ellipse: s-maj=34.4km
s-min=18.3km az=157.0

NEIC 26 01:08:24.5 1.0, 37.52N:72.2E:0.1, h189km, 6km,
mb4.1/9, Error ellipse: s-maj=12.4km s-min=3.8km
az=68.0

NINC 26 01:08:29.3 1.8, 37.99N:72.12E, h214km, 22km, mb2.6,
mp3.8, Error ellipse: s-maj=17.8km s-min=12.0km
az=20.0

ISC 26 01:08:22.8 0.6, 37.45N:0.05:72.14E:0.06, h200km, n58,
e2=44/68, mb3.5/11, 7C-5D, Tajikistan

Table with columns: Code, Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like SIMJ, BTM, KBL, etc.





Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like Cerro Bola, Ruthven, Iron Mountain, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like X18A Snowflake, SAO San Andreas Ge, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like ABS Bunyan, BNN Akdamar-Van, etc.

26d 3h

Table with columns: TERR, RAJF, OLKF, etc. Station Name, Time, Res. Includes stations like Raja-Jooseppi, Oulanka, Finland, etc.

AUST 26 02:03:20.3-0.7, 30,445x11778E, h10km, Error ellipse: s-maj=7.3km s-min=6.4km az=110.0, Western Australia

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Ballidu, KLBRR, MORWR, etc.

NEIC 26 02:37:01.3-0.8, 19,39N, 0103:155:26W, 0.02, h5km, 4km, Error ellipse: s-maj=4.9km s-min=1.1km az=146.0

HVO 26 02:37:00.7-0.8, 19,38N, 0105:155:25W, 0.03, h2km, 4km, ML2, 8/20, ML2.0/33(NEIC), Error ellipse: s-maj=8.5km s-min=1.3km az=155.0, Hawaiian Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KKO, RHM, PUH, etc.

2018 APR

Table with columns: HTC, JOKA, JHM, etc. Station Name, Time, Res. Includes stations like Hot Caves, Jonika Flow, etc.

SJA 26 02:37:28.2-0.6, 23:94S, 64:52W, h8km, 7km, ML3.5, MW3.1

IDC 26 02:37:39.9-2.5, 23:64S, 64:33W, h64km, 24km, mb3.6/1, mbmp3.6/5, MS2.6/2, Error ellipse: s-maj=28.6km s-min=22.5km az=43.0

ISC 26 02:37:34.8-1.0, 23:97S, 66:06E, h35km, n14, s=191716, Juluy Province

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like SLA, YJA, LVC, etc.

MEX 26 02:53:28.1-0.4, 13:59N, 92:39W, h19km, 38km, MD3.7

GCG 26 02:53:39.2-0.3, 14:36N, 91:71W, h50km, MD3.5

ISC 26 02:53:27.7-3.9, 13:8N, 01:92:5W, 0.1, h4km, 17km, n10, o#86/10, Off coast of Chiapas

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like SULM, PATR, etc.

IDC 26 03:03:54.6-0.7, 9:24S, 112:55E, h0km, mb4.3/15, mbmp4.1/315, MS3.0/3, Error ellipse: s-maj=31.1km

DJA 26 03:04:02.6-2.0, 9:21S, 111:36E, h52km, 7km, M4, 9/21, mb4.9/15, mb5.4/7, ML1.0/2.1, Mw(mb)4.9/7

NEIC 26 03:04:02.1-1.9, 9:56S, 0:05:112:58E, 0.05, h35km, 2km, mb4.4/17, Error ellipse: s-maj=10.0km s-min=4.6km az=136.0

ISC 26 03:04:02.9-0.9, 9:52S, 112:61E, 0.04, h65km, 9km, n92, c1939/101, mb4.3/24, South of Jawa

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like PWJI, JAGI, etc.

1664

Table with columns: KAPI, BKB, BATI, etc. Station Name, Time, Res. Includes stations like Kappang, Balikpapan, Baunata, etc.

IDC 26 03:12:42.8-1.7, 22:31N, 121:21E, h0km, mb3.7/7, mbtmp3.7/7, MS3.38, Error ellipse: s-maj=146.7km





Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like PAB San Pablo, ECAL Calabor, LOS Guajares, Porto Santo, PSIM Granatula de C, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like EIBI Ibiza, EPP Esparros, EST Esteri de Car, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like WMGZ Waionatati S, HAZ Te Kaha, GLKZ Green Lake, etc.

IDC 26:03:40:27.5:2.0, 86:83N:55:03E, h0km, mb3.5/8, mbmp3.5/10, ML3.6/2, MS3.1/19, Error ellipse: s-maj=69.5km s-min=17.8km az=112.0

FCIAR 26:05:40:32.0, 86:52N:56:37E, h10km, station OMEGA has station magnitude of 3.40

ISC 26:03:40:28.3:0.7, 86:56N:0:06:53.98E:0:06, h10km, n44, c=344/41, mb3.5/8, MS3.1/17, North of Franz Josef Land

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like NOR Nord, SVZ Severnaya Zeml, KBS Kingsbay, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SP40 Spitsbergen Ar, BRBB Barentsburg B, HSPB Hornsund (broa), etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TROLL Troll, Antarti, SUR Sutherland, SNAA Sanae, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WBO comp=2.3,3nm,1.1s, GNI Garni, MLR Muntele Resu, etc.

IDC 26 04:08:24.4.1.1.53:37S:24:72E, h0km, mb3.7/5, mbtm3.7/5, Error ellipse: s-maj=45.2km s-min=30.8km

ISC 26 04:08:26.1.1.1.53:45S:02:24:7E:0.3, h10km, n7, e0996/7, mb3.7/5, South of Africa

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SNAA Sanae, GSPA South Pole Qui, TORO Torodi Ar, etc.

KRSC 26 04:15:10.6.1.5.54:27N:168:04E, h16km, 23km, M14.4, Komandorsky Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BKI Bering, TUMD Tumrok D, BZGR Bezmyannyi-Gr, etc.

IDC 26 05:02:09.1.2.3.3:18N:128:35E, h64km, 19km, mb4.0/15, mbtm4.4/17, MS3.2/12, Error ellipse: s-maj=39.3km s-min=10.0km az=70.0

DJA 26 05:02:10.1.0.5.3:14N:12:8E, h61km, 5km, M4.8/20, mb5.3/13, mb4.7/20, MLV.0/15, Mv(M)4.7/13

NEIC 26 05:02:12.0.2.0.8:2.96N:0:08:127:87E:0:05, h81km, 7km, mb4.5/55, Error ellipse: s-maj=13.6km s-min=2.4km az=21.2

ISC 26 05:02:13.6.0.4.2.98N:0:04:127:80E:0:07, h100km, n132, r1846/126, mb4.5/50, 2C-1D, North Molucca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TNTI Ternate, SGSI Sangihe, LBMI Labuha, etc.

IDC 26 03:45:18.4.1.3.53:34S:24:88E, h0km, mb3.7/5, mbtm3.5/5, Error ellipse: s-maj=47.4km s-min=29.5km az=90.0, South of Africa

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like H04S2 CROZET ISLANDS, H04S3 CROZET ISLANDS, etc.

IDC 26 03:47:19.3.1.4.53:39S:24:76E, h0km, mb3.9/5, mbtm3.9/5, MS3.3/4, Error ellipse: s-maj=48.4km s-min=30.4km az=93.0, South of Africa

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like H04S2 CROZET ISLANDS, H04S3 CROZET ISLANDS, etc.

IDC 26 04:03:44.1.0.8.53:46S:24:70E, h0km, mb4.2/9, mbtm4.2/9, MS3.4/12, Error ellipse: s-maj=28.0km s-min=18.9km az=79.0

NEIC 26 04:03:46.1.1.2.53:33S:0:08:24:7E:0:1, h10km, 1km, mb4.6/20, Error ellipse: s-maj=25.3km s-min=9.0km az=65.0

ISC 26 04:03:45.7.0.6.53:32S:0:10:24:7E:0:1, h10km, n47, e090/37, mb4.5/16, MS3.4/12, 4D, South of Africa

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TROLL Troll, Antarti, SUR Sutherland, SNAA Sanae, etc.

IDC 26 04:00:49.4.0.9.53:29S:24:72E, h0km, mb4.0/6, mbtm4.1/6, Error ellipse: s-maj=33.0km s-min=24.2km az=69.0

NEIC 26 04:00:51.5.1.3.53:39S:0:06:24:7E:0:3, h10km, 1km, mb4.5/10, Error ellipse: s-maj=30.5km s-min=8.1km az=78.0



26d 5h

2018 APR

1670

mbmp4.7/20,ML4.3/5, Error ellipse: s-maj=19.3km s-min=12.1km az=89.0 NEIC 26 05:32:49.5,30.65S,-71.29W,h60km ISC 26 05:32:49.0,0.6,30.61S,-0.02,-71.24W,0.04,h55km5km, m643,σ1942/548,m5.0/201,19C-16D,Near coast of central Chile

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, and various station identifiers. Includes stations like Fray Jorge, El Pedregal, Tololo Observa, Combarbal, La Serena, Juntas del Tor, etc.

Table with columns: VA05, comp=E,9um,0.4s, and various station identifiers. Includes stations like Copiap, Talagante, Pirque, Agrelo, San Alfonso, etc.

Table with columns: CZSB, comp=Z,89nm,1.1s, IAMB, IAMB, and various station identifiers. Includes stations like Cruzeiro do Su, Samuel, East Falkland, etc.



2018 APR

1671

Table with columns: Code, Name, Value, Unit, Status, Diff, and other fields. Contains entries like FPAL Fort Paine, X48A Hartselle, etc.

Table with columns: Code, Name, Value, Unit, Status, Diff, and other fields. Contains entries like OK029 Liberty Lake, FVM French Village, etc.

Table with columns: Code, Name, Value, Unit, Status, Diff, and other fields. Contains entries like JFWS Jewell Farm, WBO Williamsburg, etc.

2646

05 44 26.1 +0.5

26d 5h

Table of astronomical observations with columns for station ID, object name, magnitude, and other parameters.

2018 APR

Table of astronomical observations for April 2018, including station IDs, object names, and coordinates.

1672

Table of astronomical observations with station IDs, object names, and coordinates.

NIED 26 05:31:11.2, 39°58'N-143°85'E, h8km, MW3.9, Moment Tensor solution. s3 Moment tensor: Scale 10^14 Nm...

JMA 26 05:33:11.2±0.3, 39°6'07.144"E, h8km±4km, MV4.2/31, FAR E OFF SANRIKU... Error ellipse: s-maj=25.1km s-min=19.4km az=156.0°...

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Lists various station codes and their details.

ULM Lac du Bonnet 76.42 35
KEST Kesra 99.37 324 LR
MOMENT TENSOR: s3 Moment tensor: Scale 10^19 Nm;
Mn:0.1; Mw:1.11; Ms:0.98; Mb:0.54; Mw:4.53;

NIED 26 05:44:16.3,22:19N:120:94E,h6km,MW4.5,Moment
Tension Solution. s3 Moment tensor: Scale 10^19 Nm;
Mn:0.1; Mw:1.11; Ms:0.98; Mb:0.54; Mw:4.53;
Fault plane solution: M0:2.0000x10^15 Np1:0.48,00000,
s86.00000,183.00000. NP2:290.00000,38.00000,
1.151,00000.
JMA 26 05:44:16.3,22:19N:120:94E,h6km,2km,MV4.3/12,
TAIWAN REGION
IDC 26 05:44:19.1,0.9,22:23N:121:16E,h0km,mb3.6/11,
mbtmp3.7/13,ML3.7/2,MS3.5/4,Error ellipse:
s-maj=24.3km s-min=18.4km az=69.0
TAP 26 05:44:20.8,22:36N:121:05E,h4km,ML4.6,C
ASIES 26 05:44:20.8,22:36N:121:05E,h4km,ML4.6,Mw4.2,
Moment Tensor Solution. Moment tensor: Scale 10^22 Nm;
Mn:-0.64; Mw:1.52; Ms:-0.89; Mb:1.79; Mw:1.15;
Fault plane solution: M0:2.51393x10^22 Np1:
0.239,66000,881,34000,-117,09000. NP2:
0.133,26000,828,34000,-18,49000. Principal axes:
T P1g31.0590, Azm351.7400, N P1g26.7560,
Azm244.0640, P P1g46.7970, Azm121.6090,
BUJ 26 05:44:23.4,0.0,22:46N:120:97E,h14km,mb4.1/8,
mB4.4/5,ML4.2/3,Ms4.0/7,M57.3/9/8
ISC 26 05:44:21.2,0.9,22:36N:121:06E,0.02,h8km,6km,
n204,s122/354,mb3.7/10,MS3.6/5,20C-8D,Taiwan

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual. Lists stations like TAWU, TAW, TAWH, EAST, ECL, SLIU, SMST, SMST, TTN, SCZT, TWGBT, MASBT, MASBT, TWKBT, TWK1, TSEB, SNW, SNW, TSMG, TSMG, LONT, LONT, LAY, LAY, SSD, LYUB, LYUB, TSPT, TSPT, SGLT, SGLT, TWP, TWP, EDH, EDH, KAU, KAU, SLGT, SLGT, SLGT, SCST, SCST, ECS, ECS, TWM1, TWM1, SNJT, SNJT, CHKT, CHKT, WSSB.

Table with columns: WSSB, EHD, EHD, ELDTW, ELDTW, SGST, SGST, STYT, STYT, STYH, STYH, FULB, FULB, CHKH, CHKH, SHHT, SHHT, CHN1, CHN1, CHN3, CHN3, WTP, WTP, SNST, SNST, EYUL, EYUL, TWFI, TWFI, TPUB, TPUB, ECBN, ECBN, TAI, TAI, TAI, TAI, YULB, YULB, YULB, CHN4, CHN4, SCLT, SCLT, SCLT, WCKO, WCKO, EHYH, EHYH, EHY, EHY, ALS, ALS, HGSD, HGSD, TSKC, TSKC, ICHU, ICHU, CHN8, CHN8, CHY, CHY, CHN5, CHN5, CHN2, CHN2, WHYT, WHYT, EGFH, EGFH, WARBT, WARBT, WARBT, WSL, WSL, VWDT, VWDT, WGD, WGD, WDLH, WDLH, SSSL, SSSL, SSSL.

Table with columns: WTK, WTK, ESL, ESL, WJS, WJS, WSF, WSF, SHUL, SHUL, SHUL, SMLT, SMLT, WNT, WNT, WDTG, WDTG, WDTG, WNT1, WNT1, OWD, OWD, WUSB, WUSB, WUSB, ETM, ETM, WPL, WPL, WPL, WYL, WYL, RLNB, RLNB, WRL, WRL, DPDB, DPDB, HWA, HWA, LXIB, LXIB, WCS, WCS, CHGB, CHGB, WWF, WWF, VCHM, VCHM, WCHH, WCHH, TWD, TWD, TWD, WHF, WHF, PHUB, PHUB, TCU, TCU, PNG, PNG, ETL, ETL, NACB, NACB, NACB, ETLH, ETLH, ETLH, FUSS, FUSS, FUSS, TDCB, TDCB, TDCB, TWT, TWT, WHP, WHP, TWQ1, TWQ1, TWQ1, WDJ, WDJ, WDJ, EAHA, EAHA, EAHA, NSY, NSY, NSY, NNSB, NNSB, NNSB, NNS, NNS, NNS.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, etc. Includes stations like E0S4, E0S4, ENA, ENA, ENA, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, etc. Includes stations like QZH, QZH, JIJ, JIJ, JIJ, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, etc. Includes stations like SMST, SMST, TTN, TTN, TTN, etc.

Technical text containing station coordinates and parameters: IDC 26 05:46:39.4, 0.7, 22.22Nk, 121.26E, h0km, mb3.9/14, mbmp3.9/16, ML3.7/2, MS3.6/8, Error ellipse: s-maj=20.7km s-min=16.3km az=77.0

Table with multiple columns: Station Name, Frequency, Power, Band, Azimuth, Elevation, SNR, etc. The table lists various radio stations and their performance metrics across different days and hours.



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station details for stations like PAVA, PACA, COEB, etc.

IDC 26 07:19:44.6:0.8,53.37S:24.75E,h0km,mb4.1/8, mbmp4.1/8,MS3.5/16, Error ellipse: s-maj=32.4km

NEIC 26 07:19:46.2:0.8,53.40S:0.06:24.9E:0.13,h10km,1km, mb4.5/13, Error ellipse: s-maj=29.3km s-min=6.9km

ISC 26 07:19:46.1:0.7,53.37S:0.10:24.8E:0.2,h10km,n44, o054/33,mb4.3/12,MS3.5/16,2C,South of Africa

Main table for station 1677, listing codes, station names, azimuths, phase IDs, times, and residuals for stations like TROLL, SUR, SNA, BOS, LBTA, QSPA, LSZ, PMSA, MBAR, CPUP, DBIC, TOR, etc.

Table for stations CO01, PB11, ASAR, AS31, WRA, WBO, KEST, VAE, MLR, MDND, HSSU, SRU, SHRP, PDAR, NVAR, YKA, listing codes, station names, azimuths, phase IDs, times, and residuals.

IDC 26 07:29:11.8:0.8,5.06S:151.47E,h167km,6km,mb3.4/6, mbtmp3.9/7,MS2.8/1, Error ellipse: s-maj=48.9km

ISC 26 07:29:11.9:0.8,4.85S:0.2:151.1E:0.2,h150km,n10, o191/13,mb3.7/6, New Britain region

Table for station 2018 APR, listing codes, station names, azimuths, phase IDs, times, and residuals for stations like KRVT, PMG, WRA, WRA, ASAR, MJAR, SOMN, MKAR, ZALV, ILAR, TOR, etc.

DNK 26 07:32:06.7:2.1,51.30N:16.06E,h23km,77km,ML2.1 PRU 26 07:32:10.9:1.53N:16.18E,h0km

IPEC 26 07:32:11.6:0.3,51.49N:16.13E,h1km,ML2.8/4, Error ellipse: s-maj=2.2km s-min=1.1km az=36.0

ISC 26 07:32:09.3:0.8,51.60N:0.03:16.16E:0.02,h0km,n28, o133/56,1D,Poland

Main table for station 2018 APR, listing codes, station names, azimuths, phase IDs, times, and residuals for stations like OSTC, UPC, DPC, PVCC, BRG, PRU, HSK, MOR, OKC, VRAC, ZVC, KRUC, OJC, NKCC, JAVC, CKRC, MODS, NIE, VYHS, BSD, STHS, BLEU, DEL, CSO, etc.

PRU 26 07:32:42.9:51.36N:16.09E,h0km,Poland

Table for station PRU, listing codes, station names, azimuths, phase IDs, times, and residuals for stations like UPC, BRG, TREC, etc.

ROM 26 07:33:59.1:0.1,46.220N:0.008:12.48E:0.01,h10km, ML2.0/56,2C-5D, Error ellipse: s-maj=1.0km

Table for station ROM, listing codes, station names, azimuths, phase IDs, times, and residuals for stations like CIMO, CIMO, CIMO, CIMO, CIMO, CIMO, CIMO, CIMO, CIMO, CIMO, etc.

Main table for station 26d 7h, listing codes, station names, azimuths, phase IDs, times, and residuals for stations like APGO, MALINISIO, CANEVA, FREGONA, AGORDO, CASERA, COL VARNADA, COL VARNADA, FAU, MONTE PRAT, etc.





Table with columns: SDDR, Presa de Saban, 1.55 278 eP, Pn, 08 19 22.4 +3.0, etc.

DJA 26 08:29:09.6:0.5, 9'S, 3'12.5E, h10km, M3,4/6, MLV3,4/6, s=33/13, Timor region

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

IDC 26 08:33:00.5:0.8, 53'S, 247.9E, h0km, mb4, 1/8, mbtmp3.4/8, MS3.5/12, Error ellipse: s-maj=32.7km

NEIC 26 08:33:02.0: 8.53'55.0": 1:24:9E:0.3, h10km, 1km, mb4.5/13, Error ellipse: s-maj=28.4km s-min=16.5km

ISC 26 08:33:01.4:0.7, 53'S, 01:24.9E:0.2, h10km, n40, s=075/32, mb4.4/11, MS3.4/12, 3C, South of Africa

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

Table with columns: EIL, Elat, 83.17 9 LR, LR, 09 20 55.3, etc.

IDC 26 08:39:34.4:4.2, 53.71N:90.98E, h0km, mbtmp3.0/2, ML2.7/2, Error ellipse: s-maj=42.3km s-min=26.8km

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

NEIC 26 08:44:33.7:1.8, 43.71N:104.125:57W:0.05, h10km, 2km, mb3.8/13, ML3.3/103, ML3.6/3(SEA), Error ellipse: s-maj=6.5km s-min=5.9km az=295.0

IDC 26 08:44:34.2:1.2, 43.87N:125.36W, h0km, mb3.5/5, mbtmp3.4/11, ML2.9/5, MS2.9/6, Error ellipse: s-maj=18.0km s-min=10.7km az=70.0

SEA 26 08:44:35.8:2.2, 43.89N:105.125:59W:0.08, h10km, 2km, Error ellipse: s-maj=10.5km s-min=8.3km az=232.0

ISC 26 08:44:34.5:0.9, 43.78N:104.125:53W:0.07, h10km, n101, s=107/102, mb3.8/12, Off coast of Oregon

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

Table with columns: NLWA, comp=E, 36nm, 0.8s, IAML, 08 46 17.8, etc.

IDC 26 08:56:00.4:1.3, 43.87N:39.07E, h0km, mbtmp3.5/5, ML3.1/5, Error ellipse: s-maj=23.5km s-min=10.0km

MOS 26 08:56:01.4:1.1, 43.85N:103.39:24E:0.02, h5km, gkm, n55, s=139/100, 1C-1D, Western Caucasus

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

26d 9h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GOYR Goytkh, SOCI Sochi, GUZR Guzeripl', etc.

NIED 26 09:02:24.4, 39.58N, 143.84E, h11km, MW3.7, Moment Tensor Solution, s3 Moment tensor: Scale 10^14Nm...

2018 APR

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JYH Yanohata, MIYJ Miyakonagawasa, JKEN Kujedjanarisaw, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JNN Nakanoshima, JYAK Yakushimahirau, JMTN Minatitama, etc.

1680

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like OK051 E0350 and S346, OK048 Pawnee Station, OK048 Quoy, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like LMD1 Lamerd, LAR1 LAR, LAR1 LAR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ZALESOVO INFRA, ZALV, KURBB, MKAR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SONM, MKAR, PETK, KURBB, GEYT, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SNZO, PLWZ, TCW, etc.

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NOU, WEL, ILAR, TORD, etc.

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KRNET, NNC, ISC, TRKS, BTK, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MXZ, MKRZ, HAZ, etc.

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IDC, DJA, NEIC, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WHRZ, TWGZ, MYRZ, etc.

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

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WHRZ, TWGZ, MYRZ, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YOGI, BASI, TTST, etc.

26d 9h

Table with columns for station name, frequency, power, and other technical details. Includes stations like KMSI, SANI, PMBI, LWLI, etc.

2018 APR

Table with columns for station name, frequency, power, and other technical details. Includes stations like Forrest, QIS, QIZ, QI, etc.

1682

Table with columns for station name, frequency, power, and other technical details. Includes stations like BRAT, CD2, SHL, YNG, etc.



26d 10h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various data points for stations like SNA, BELA, MNK, D19K, SPITS, F24K, YKA, TORD, etc.

KRNET 26 09:56:04.0.2.0.1, 40.87N;69.47E, mb2.8
SOME 26 09:56:06.2, 40.87N;69.72E, h5km
NMC 26 09:56:07.0.3.3, 40.83N;69.75E, h0km, mb3.6, mpv3.2,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various data points for stations like BTk, TRKS, ARK, BRLS, etc.

2018 APR

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various data points for stations like HEL 26, KAF, KEURU, etc.

UPU 26 10:19:59.0.2.5.9:60N;84.13W, h4km, 1.1km, MW3.6
UCR 26 10:19:59.1.4.9:53N;84.14W, h3km, 1km, MW4.0
CATAC 26 10:19:59.1.0.2.9:52N;84.13W, h2km, 3km, ML3.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various data points for stations like SVQ2, ABE2, RITA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various data points for stations like VTR0, CVTR, VTUN, etc.

NOU 26 10:24:41.1, 22.50S;170.76E, h0km, mb4.5/9, Southeast of Loyalty Islands, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various data points for stations like MARRC, PINNC, YATNC, etc.



26d 11h

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like ETOB Tobarra, MDT Midelt, UCM Universidad Co, etc.

2018 APR

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like ETOS Mallorca, CEST Esteri de Car, LOR Lormes, etc.

1686

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like ZALV Zalesovo Beam, MKAR Makanchi Array, YKA Yellowknife Ar, etc.

RSNC 26 11:14:54.70,0,5'N:1.7'4W, h149km,3km,mb4.0,

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like SPBC San Pablo de B, ROSC El Rosal, RUSC La Rusia, etc.

IDC 26 11:19:51.4+0.6,53:38S:24:77E, h0km, mb4.3/12, mbmp4.4/12, Error ellipse: s-maj=28.2km s-min=13.9km

NEIC 26 11:19:53.4+1.2,53:55.0:1.24:8E,0:2, h10km,1km, mb4.7/14, Error ellipse: s-maj=21.1km s-min=14.8km

ISC 26 11:19:53.0+0.6,53:40S:09:24:7E,0:2, h10km,n36, o073/33,mb4.5/18,4C, South of Africa

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like TROLL Troll, Antarti, SUR Sutherland, SNAA Sanae, etc.

IDC 26 11:21:24.0:0,7,53:35S:24:82E, h0km, mb4.2/11,





26D 11h

Table listing stations and their frequencies. Columns include call letters, frequency, and other identifiers. Includes stations like APE Apeiranthos, KULU Kulu, and many others.

2018 APR

Table listing stations and their frequencies. Columns include call letters, frequency, and other identifiers. Includes stations like MDBI Mazsada, MSBI Mazada, and many others.

1688

Table listing stations and their frequencies. Columns include call letters, frequency, and other identifiers. Includes stations like comp=N,300nm,20.4s, CLL comp=E,300nm,19.2s, and many others.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res. Includes entries for PDAR, ELKO, ANMO, NVAR, ASAR.

LDG 26 11:40:57.3.0.1, 37:86N-3:26W, h12km, M3.4/5, Error ellipse: s-maj=3.0km s-min=2.3km az=140.0, MDD 26 11:40:58.0.0.1, 37:87N-3:25W, h12km, mb\_Lg3.7/6.7, Error ellipse: s-maj=1.3km s-min=1.0km az=149.0, INMG 26 11:40:57.4.1.6, 37:86N-3:20W, h13km, M3.4, Error ellipse: s-maj=2.1km s-min=1.7km az=105.0, IGLI 26 11:40:57.5, 37:87N-3:27W, h7km, ML3.0, SFS 26 11:40:59.1, 37:86N-3:27W, h21km, ML3.6/27, ML3.9/19, MLV3.5/27

CNRM 26 11:41:00.6, 37:58N-2:94W, h2km, ML3.2, ISC 26 11:40:56.3-0.8, 37:91N-0.01-3:27W-0.01, h15km, 6km, n121, r1959/270, 2C-40, Spain

Main table for station 1689, listing codes, station names, and various parameters. Includes stations like Ubeda, Quesada, Presa de Quent, Quentar, Granatula de C, Sierra Gorda, Berja, Adamuz, Los Guajares, Lorca, Murcia, Zarzadilla de, Nijar, Yechar, Tobarra, La Murta, El Cabril, Mijas, Cartagena, Sonseca Array, Cofrentes, Val, Font Roja, Jimena Fronter, Chera, Melilla, Ceuta, Mont Gurugu, Mina Concepcio, Palemas, Smir Dam.

Main table for station 2018 APR, listing codes, station names, and various parameters. Includes stations like Smir Dam, Isla Isabella II, Guadarram, Barrancos, Torete, Badajoz, Celadas (Terue), Plasencia, Mosqueruela, El Granado, Estremoz, Vaqueiros, Marv???, Beja, Islas Columbres, Barranco-do-Ve, Juzbado, Evora, Castro Verde, Castro Verde, Ibiza, Castelo Branco, Messejana, Montargil, Horta de San J, Manteigas, Nicolau / Gran, Marmelete, Sao Teotonio, Moncorvo, Alcochete, Vila Bisbo, Casimiro, Conde.

Main table for station 26d 11h, listing codes, station names, and various parameters. Includes stations like So Bento, Coimbra, Braganca, Vila Real, Poblel, Calabor, Mafra, MD31, MD31, Midelt, Midelt, ZHG ZHG, Lanestosa, Etsaut, Etsaut, Ste Jean, Ste Jean, Gaveiria, Arco, Esparrros, Esparrros, Montolieu, Montolieu, Nehoiu, Bisoca, Muntele Rosu, Istrita, Voineasa-Covas, Plostina, Vriocioiaia, Odobesti, Panciu, Turia, PLOIESTI, Bodos, Tudr, Sclroza Conac, Dopca, Ghr, Izvoarele, Sclroza Conac, Negrea, Tescani, Varlez, Amara, Scanteiesti, Ciorogarla, Birlad, Tatarca, Vladesti, Carcaliu, Singureni, Harsova, Humele, Bicaz, Topalu, Vaslui, Topolog, Leova, Copaceanca, Cernaovada, Ion Corvin, Lotru, RAZGR, Murfatlar, Milestii Mici, Milestii Mici.

BUC 26 11:44:43.7-0.2, 45:49N-26:44E, h127km, 1km, m3.5/48, 57C-38D, Roman ellipse: s-maj=1.4km s-min=1.2km az=166.0, Romania

Main table for station BUC 26, listing codes, station names, and various parameters. Includes stations like Nehoiu, Bisoca, Muntele Rosu, Istrita, Voineasa-Covas, Plostina, Vriocioiaia, Odobesti, Panciu, Turia, PLOIESTI, Bodos, Tudr, Sclroza Conac, Dopca, Ghr, Izvoarele, Sclroza Conac, Negrea, Tescani, Varlez, Amara, Scanteiesti, Ciorogarla, Birlad, Tatarca, Vladesti, Carcaliu, Singureni, Harsova, Humele, Bicaz, Topalu, Vaslui, Topolog, Leova, Copaceanca, Cernaovada, Ion Corvin, Lotru, RAZGR, Murfatlar, Milestii Mici, Milestii Mici.

26 Dec 12h

Table with columns: KIS, Kishinev, 2.24 47 eP, Pn, 11 45 20.2 -0.2, 11 45 46.9 -1.6

Code Station Name A° AZ° Op Phase ID Time Res

Main table for 26 Dec 12h with columns: Code, Station Name, A° AZ° Op, Phase ID, Time Res, ISC, h m s, ISC

2018 APR

Table with columns: NWLTL, baz=332, eS, Sn, 11 53 28.6 -0.9

Main table for 2018 APR with columns: Code, Station Name, A° AZ° Op, Phase ID, Time Res, ISC, h m s, ISC

JMA 26 11:53:16.4 0.1, 24:2N, 0.2, 123:8E, 0.3, h16km, 1km

Table for Ryukyu Islands with columns: Code, Station Name, A° AZ° Op, Phase ID, Time Res, ISC, h m s, ISC

IDC 26 12:27:10.1 5.8, 6:14S, 127:56E, h407km, 73km, mb2.7/1,

m, mbmp3.8/4, Error ellipse: s-maj=87.6km s-min=24.5km az=47.0, Banda Sea

Table for Banda Sea with columns: Code, Station Name, A° AZ° Op, Phase ID, Time Res, ISC, h m s, ISC

IDC 26 12:40:50.3 1.9, 8:91S, 79:10W, h77km, 16km, mb3.8/8,

m, mbmp4.1/11, MS3.0/8, Error ellipse: s-maj=27.3km s-min=7.9km az=79.0

ISC 26 12:40:48.7 0.7, 8:93S, 0:06, 79:2W, 0.1, h64km, n33,

0578/21, mb4.1/9, Near coast of northern Peru

Main table for Banda Sea and Peru region with columns: Code, Station Name, A° AZ° Op, Phase ID, Time Res, ISC, h m s, ISC

1690

Table with columns: comp=Z, 24nm, 18.6s, baz=167, slow=34

Main table for 1690 with columns: Code, Station Name, A° AZ° Op, Phase ID, Time Res, ISC, h m s, ISC

Table with columns: Station, Frequency, Power, Class, and other details. Includes stations like CELP Cerrillos, ITRB Iturama, PCHB Pacaembu, etc.

Table with columns: Station, Frequency, Power, Class, and other details. Includes stations like R32A Long Quarter, 121A Cooke Peak, 319A Dourado, etc.

Table with columns: Station, Frequency, Power, Class, and other details. Includes stations like SPR3 Spring Creek, WPMO Manual Prospec, B606 Boulder Array, etc.



Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like MKAR, MJAR, ASAR, etc.

IDC 26 12:57:19.3z, 3.7, 6.06N, 126.72E, h69km, 26km, mb3.5/6, mbmp3.8/6, MS2.7/2, Error ellipse: s-maj=165.4km s-min=17.7km az=67.0

ISC 26 12:57:15.4z, 2.9, 6.5N, 108.12E, h50km, n9, s108/8, mb4.0/6, Philippine Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like DAV, GUM, JOW, etc.

SJA 26 12:59:21.9z, 0.6, 21.37S, 69.82W, h49km, 2km, ML3.5, MW3.6

GUC 26 12:59:23.6z, 0.6, 21.37S, 69.78W, h46km, 2km, ML3.6

ISC 26 12:59:23.1z, 2.21, 38S, 102.69E, h84W, 0.04, h56km, n50, s131/74, 1C-90, Northern Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like PB02, PB07, PB09, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like PB08, PB05, PB11, etc.

IDC 26 13:27:50.0z, 2.7, 6.21N, 127.56E, h0km, mb3.6/5, mbtmp3.6/5, Error ellipse: s-maj=240.9km s-min=23.0km az=68.0, Philippine Islands region

WRA Warramunga Arr 26.82 166 P 13 33 31.6 +0.7

ASAR Alice Springs 30.33 168 P 13 34 04.2 +0.7

MKAR Makanchi Array 56.03 324 P 13 37 30.9 +0.2

KURBB Kurchatov Arra 60.13 326 P 13 37 59.1 -0.2

BVAR Borovoye Array 65.72 326 P 13 38 36.4 -0.1

NEIC 26 13:48:34.1z, 1.6, 12.98S, 10x75.15W, 0.10, h72km, 11km, mb4.3/5, Error ellipse: s-maj=14.9km s-min=13.0km az=225.0

IDC 26 13:49:37.1z, 1.3, 12.84S, 75.10W, h103km, 13km, mb3.6/9, mbtmp4.0/12, MS2.6/1, Error ellipse: s-maj=21.9km s-min=11.6km az=47.0

ISC 26 13:48:37.0z, 1.5, 12.91S, 107.7498W, 0.07, h96km, n38, s181/37, mb4.0/10, Central Peru

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like NNA, CZSB, ATAH, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like QSPA, TOAO, TORD, etc.

AEIC 26 14:09:29.4z, 2.5, 64.86N, 0.06E, 173.0W, 0.03, h12km, 8km, Error ellipse: s-maj=18.1km s-min=9.4km az=88.0

NEIC 26 14:09:29.5z, 2.1, 64.84N, 0.04E, 173.2W, 0.03, h15km, 8km, mb3.4/4, ML3.5/16, ML3.5(AEIC), Error ellipse: s-maj=19.3km s-min=6.3km az=91.0

NEIS 26 14:09:32.0z, 64.54N, 0.173E, h31km

ISC 26 14:09:27.9z, 0.8, 64.83N, 0.05E, 173.30W, 0.04, h10km, n124, s091/128, 1C, Eastern Siberia

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like PVDR, GAMB, TNA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like D19K, H19K, J18K, D20K, etc.

TEH 26 14:19:03.1,30.73N,57.31E,h9km,26km,ML3.7,

Table for Northern and central Iran with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KRM1, ZRAN, KHGB, etc.

DJA 26 14:33:52.0,2.3'S,2.12'8E,h10km,M4.4/16,mb4.6/9,

Table for DJA region with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NLA1, SAN1, LBMI, etc.

CMAR 26 14:33:54.4,0.5,2.90S,0.06E,127.60E:0.07,h35km,n42,

Table for CMAR region with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KDU, KNRA, WRA, etc.

Main table for 2018 APR with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like USRK, SONM, PETK, MKAR, etc.

DJA 26 14:35:43.5,0.5,3'S,3.12'8E,h13km,4km,M4.7/16,

Table for DJA region (continued) with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NLA1, LBMI, BNDI, etc.

ASAR 26 14:33:54.4,0.5,2.90S,0.06E,127.60E:0.07,h35km,n42,

Table for ASAR region with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GUMO, BBOO, STKA, etc.

CMAR 26 14:33:54.4,0.5,2.90S,0.06E,127.60E:0.07,h35km,n42,

Table for CMAR region (continued) with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like USRK, USRK, PALK, etc.

Table for 1694 with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KURK, BVAR, VNSA, etc.

TAP 26 14:41:18.0,24.16N,122.23E,h46km,1km,ML1.8,B,

Main table for 1694 with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like EOSA, EOS2, EWUT, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include SFK, ARK, BTK, BTX, TRKS, ARLS, MNAS, UCH, MRKS, IUG, AAK, KBK, KK31, TKM2, TKM2.

IDC 26 14:52:21.5:2.0, 1.98N, 127.16E, h0km, mb3.2/4, mblmp3.2/4, Error ellipse: s-maj=172.2km s-min=23.4km az=67.0, Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include WRA, ASAR, MKAR, KURBB.

IDC 26 14:59:36.0:1.8, 6.08N, 126.41E, h0km, mb3.5/5, s-mblmp3.5/5, Error ellipse: s-maj=173.4km s-min=21.0km az=66.0, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include WRA, ASAR, MKAR, KURBB, BVAR.

IDC 26 15:13:00.3:1.7, 2.59S, 128.54E, h0km, mb3.3/3, mblmp3.4/4, ML3.6/1, Error ellipse: s-maj=104.8km s-min=16.6km az=71.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include WRA, ASAR, MKAR, KURBB, BVAR.

IDC 26 15:13:06.7:1.0, 2.89S, 127.55E, 0.06, h35km, n10, s=141/11, mb3.4/3, Ceram Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include NLAI, SBNI, LBMI, BNDI, SWI, FAKI, WRA.

IDC 26 15:13:06.7:1.0, 2.89S, 127.55E, 0.06, h35km, n10, s=141/11, mb3.4/3, Ceram Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include ASAR, MKAR, KURBB.

IDC 26 15:21:28.2:4.8, 1.94N, 99.72E, h0km, mb3.9/5, mblmp3.9/5, MS2.6/1, Error ellipse: s-maj=259.0km s-min=19.6km az=65.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include GSI, PBSI, KCSI, PDSI, SISI, SNSI, MLSI, PPSI, WRA.

IDC 26 15:21:43.7:1.0, 1.69N, 0.09, 99.4E, 0.1, h150km, n14, s=059/17, mb3.8/5, Northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include ASAR, GUMO, MKAR, KURBB, ZALV.

2.2nm, 0.5s, baz=167, slow=6.7, SNR=12 2.2nm, 0.5s

DJA 26 15:28:19.1:0.3, 3.3S, 142.8E, h10km, M3.7/10, mb4.0/2, MLV3.5/10

IDC 26 15:28:20.2:1.8, 3.04S, 128.18E, h0km, mb3.2/3, mblmp3.2/4, ML3.4/1, Error ellipse: s-maj=140.5km s-min=25.2km az=68.0

ISC 26 15:28:18.4:1.2, 2.86S, 127.59E, 0.09, h10km, n10, s=159/8, mb3.3/3, Ceram Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include NLAI, SBNI, LBMI, BNDI, SWI, FAKI, WRA.

ASAR Alice Springs 21.57 164 P 0.2nm, 0.4s, baz=344, slow=12, SNR=9.7

MKAR Makanchi Array 63.47 327 P 0.1nm, 0.5s, baz=114, slow=8.5, SNR=2.2

KURBB Kurchatov Arra 67.75 329 P 0.1nm, 0.3s, baz=129, slow=6.3, SNR=0.8

VAO 26 15:38:17.7:1.6, 2.65S, 69.33W, h343km, mb4.0, SJA 26 15:38:28.2:0.6, 2.4, 08S, 66.97W, h214km, 5km, ML4.0, MLV3.8

NEIC 26 15:38:29.8:1.9, 24.05S, 0.04, 67.2W, 0.1, h223km, 14km, mb4.2/3, Error ellipse: s-maj=17.9km s-min=4.0km az=104.0

IDC 26 15:38:30.2:1.3, 23.95S, 66.89W, h189km, 12km, mb3.2/7, mblmp3.9/11, MS2.3/1, Error ellipse: s-maj=18.1km s-min=16.4km az=113.0

GUC 26 15:38:30.8:0.7, 24.06S, 67.15W, h201km, 11km, ML4.2

ISC 26 15:38:29.3:0.6, 24.09S, 0.04, 67.03W, 0.04, h193km, 7km, n101, s=129/135, mb3.5/7, 3C, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include SLA, AF01, AF01, FSA, LVC, LVC, LVC, LVC, LVC, LVC, LVC, LVC, LVC, LVC.

LVC Limon Verde 2.27 310 P 92nm, 0.4s, baz=133, slow=6.5, SNR=205

LVC Limon Verde 2.27 310 P 77nm, 0.4s, baz=254, slow=20, SNR=36

LVC Limon Verde 2.27 310 P comp=Z, 59nm, 18.9s, baz=46, slow=5

LVC Limon Verde 2.27 310 P comp=Z, 59nm, 18.9s, baz=46, slow=5

LVC Limon Verde 2.27 310 P comp=Z, 1.0m, 0.6s

LVC Limon Verde 2.27 310 P comp=Z, 1.0m, 0.6s

LVC Limon Verde 2.27 310 P comp=Z, 1.0m, 0.6s

LVC Limon Verde 2.27 310 P comp=Z, 1.0m, 0.6s

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LVC Limon Verde 2.27 310 P comp=Z, 1.0m, 0.6s

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include TA01, TA01.

comp=Z, 60nm, 0.3s HMBG Humberstone 4.63 325 Pn Pn 15 39 37.9 -1.1

GO01 Chusiza 4.75 193 eP Pn 15 39 43.4 +0.0

GO01 Chusiza 4.84 355 Pn Pn 15 39 42.2 +0.2

GO01 Chusiza 4.95 330 eP Pn 15 39 42.6 -0.6

GO01 Chusiza 4.95 330 eP Pn 15 39 42.6 -0.6

GO01 Chusiza 4.95 330 eP Pn 15 39 42.6 -0.6

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GO01 Chusiza 4.95 330 eP Pn 15 39 42.6 -0.6

26d 16h

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MORC, MORV, Ostrava-Krasne, Vranov, VRAC, MAUC, KRUC, TANN, Ojcow, WERD, JAVC, MOX, MANZ, Czesky Krumlov, ROTZ, GECZ, GERES, WETZ, LANS, MODS, NIE, BSD, VYHS, CLAUS, GRF, CONA, STHS, ROSALIA, MOA, ARSA, BLEU, LESA, KBA, DEL, DAVOX, AKASG, HFS, STON, NOA, FINES, ARCES, WRA, ASAR.

Code Station Name Az Az' Phase ID Time Res ISC h m s ISC
CMAR Chiang Mai Arr 18.35 125 P Pn 15 40 35.2 +0.0
FINES FINES Array B 48.56 327 P 15 50 03.9 -0.1
WRA Warrungama Arr 69.89 129 P 15 52 32.6 +0.3
ASAR Alice Springs 72.20 132 P 15 52 46.0 -0.3

2018 APR

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like OMAN, ISC, Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KHNU, KHNU, IBND, GENO, KBAM, NGRK, CHME, TVBK, JASK, SHME, SHME, KHGB, BANOM, BANOM, MASF, MSFE, MDH, MDH, UOSS, UOSS, HATD, ASHO, ASHO, ASUD, ASUD, SOHO, SOHO, SCHO, BSRN, AJN, ALJN, ALJN, HOQ, HOQ, HOQ, ARQ, ARQ, SMDO, BSY, BSW, MWZ, DSBU, WBK, WBK, IRAM, JMDO, UMZA, KLNJ, SHMA, SHMA, SHMA, JLN, JLN, TRNA, TRNA, SMRA, SMRA, MHTO, MHTO, RAYN, RAYN, NEIC, AEIC, IDDC, ISC, Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GASW, GAEA, GANO, AMKA, CERB, CERB, CESW, CEPE, CEAP, TASE, TANO, TAFD, LSSE, LSPA, LSPS, LSNW, KIKW, KICM, KIRK, GSKC, GSTD, GSMY, GSTR, KOKL, KOKF, SHEM, SHEM, CLES, NIKH, MAPS, SPIA, MIREP, MINAT, LUNV, SDPT, CNBA, M19K, O1AK, CHIK, K19K, M14K, L14K, N15K, PETK, J14K, O16K, K15K, CHIR, M16K, L16K, N17K, N17K, J16K, S11, M17K, M17K, P18K, P18K.

Code Station Name Az Az' Phase ID Time Res ISC h m s ISC
J14K Navarank Lak 14.46 30 Pn 16 21 38.3 +0.3
O16K Kokwok River B 14.75 47 P 16 21 42.2 +0.3
K15K Wolf Creek Mou 14.83 34 Pn 16 21 43.8 +0.9
CHIR Chirikof Islan 14.92 52 P 16 21 41.2 -2.9
M16K Timber Creek 15.06 41 Iamb 16 21 49.4 -1.2

1696

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like O18K, O18K, N18K, N18K, K17K, K17K, J17K, F15K, F15K, K17K, K17K, D22K, D22K, GLB, VRED, J26L, J26L, BARN, FYU, FYU, M27K, M27K, C23K, C23K, CTGM, LOGN, L27K, L27K, BCAR.

Code Station Name Az Az' Phase ID Time Res ISC h m s ISC
BARN Barnard Glacie 22.98 50 P 16 23 15.9 -1.1
FYU Fort Yukon 23.06 35 Iamb 16 23 50.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Arctic Village, Burnt Mountain, Eagle, Kavir River, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ASAR Alice Springs, H03N2 Juan Fernandez, H03N1 Juan Fernandez, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like HZTE comp=2.220nm, 1.0s, HZTE Horizontes, GUo, etc.

26d 16h

Table with columns: GUMO, Location, Time, Status, and other details. Includes entries for Guam, Mount Surprise, Davao City, etc.

2018 APR

Table with columns: SBUM, Location, Time, Status, and other details. Includes entries for Sibuyan, Sinant, Leigh Creek, etc.

1698

Table with columns: JMN, Location, Time, Status, and other details. Includes entries for Monobe, Tolangli, Ballidu, etc.



26d 16h

2018 APR

1700

Table with columns for station code, name, frequency, and signal strength. Includes stations like LSA Lhasa, ZEA Zeya, GOMU GeErMu, etc.

Table with columns for ZSN, call sign, frequency, and signal strength. Includes stations like ZSN Zaisan, NIKH Nikolski High, MK31 Makanchi Array, etc.

Table with columns for S12K, call sign, frequency, and signal strength. Includes stations like S12K Black Hills, DRK Karayk, BTLS Baital, etc.

1701

Table with columns for station ID, name, elevation, date, time, and location. Includes stations like I17K Unalakleet, I17K Unalakleet, G16K Koyuk River, L17K Donlin, M17K Holitna River, M17K Holitna River, P18K Big Mountain, P18K Big Mountain, J17K VABM Dome, J17K VABM Dome, K17K Iditarod, K17K Iditarod, K17K Iditarod, NRIK Noril'sk, NRIK Noril'sk, BVA0 Borovoye Array, BVAR Borovoye Array, BVAR Borovoye Array, OHAK Old Harbor, O18K Koktuh Hills, O18K Koktuh Hills, BRVK Borovoye, BRVK Borovoye, BRVK Borovoye, N18K Kilae Creek, C16K Lisburne Hills, G17K Kiwialik Mouta, H17K Granite Mouta, H17K Granite Mouta, L18K Granite Mouta, L18K Granite Mouta, M18K Stony River, Q19K Cape Douglas, Q19K Cape Douglas, F17K Baldwin Pennin, D17K Noatak River, KDAK Kodiak Island, KDAK Kodiak Island, TAOE Nuku Hiva Isla, O19K Port Alsworth, E17K Hotham Inlet, N19K Bonanza Creek, N19K Bonanza Creek, RDOC Red Dog Mine, J18K Innoko River, P19K Oil Pt, C17K DeLong Moutai, TTA Tatalina, TTA Tatalina, TTA Tatalina, Q20K Shuyet Island, H18K Honhosa River, H18K Honhosa River, L19K White Mountain, L19K White Mountain, F18K Selawik, G18K Tagagawik, G18K Tagagawik, E18K Tukpahlearik C, E18K Tukpahlearik C, M19K Big River Lodg, GCSA Galena City Sc, O20K Slope Mountain, J19K Poorman, C18K Utukok River, L20K Farewell, AK, HOM Homer, M20K Styx River, M20K Styx River, B18K Kokolik River, H19K Roundabout Mou, H19K Roundabout Mou, G19K Purcell Mouta, G19K Purcell Mouta, G19K Purcell Mouta, K20K Telida, K20K Telida, F19K Shalercuck Mo, B20K Mount Spurr, N19K Bradley Lake S, J20K Nowinta River, J20K Nowinta River, I20K Naaghedeneel, I20K Naaghedeneel.

2018 APR

Table with columns for station ID, name, elevation, date, time, and location. Includes stations like C19K Lookout Ridge, C19K Lookout Ridge, E19K Redstone River, E19K Redstone River, H20K Antoleneega Mo, A19K Wainwright, SKT Skwetna, JLJN Jalan Bani Buh, PPLA Purkeypile, D19K Kuna River, D19K Kuna River, SUA Susitna One, SUA Susitna One, F20K Avaraat Lake, F20K Avaraat Lake, CAST Castle Rocks, CAST Castle Rocks, CHUM Lake Minchumin, O22K Cooper Landing, SEW Seward, WBK Wadi Bani Khal, RC01 Rabbit Creek, RC01 Rabbit Creek, IMAR Indian Moutai, M22K Willow, E20K Nigu River, D20K Etivluk River, CUT Chulitna, CUT Chulitna, H21K Melozitna Rive, H21K Melozitna Rive, H21K Melozitna Rive, KTH Kantishna Hill, G21K Allakaket, G21K Allakaket, G21K Allakaket, I21K Tanana, I21K Tanana, BPAW Bear Paw Mtn, BPAW Bear Paw Mtn, PMR Palmer, PMR Palmer, PMR Palmer, B20K Meade River, B20K Meade River, TRF Thorofare Moun, GHO Glory Hole Cre, F21K Alak River, KNK Knik Glacier, KNK Knik Glacier, JMDO Jabal Madar, MHTO MHTO, BIDO Bidbid, SMDO Samad, MLY Manley, MLY Manley, SML Sawmill, SML Sawmill, E21K Killik River, H22K Ishlaltitna Cre, C21K Knifblad Ridge, DMM Mawson, DMM Mawson, BWN Browne, RND Reindeer, RND Reindeer, RND Reindeer, M23K Glacier View, B21K Ikipkuk River, B21K Ikipkuk River, Q23K Middleton Isla, F22K John River, GLI Glacier Island, GLI Glacier Island, MCK McKinley, G22K Bettles, A21K Barrow, SCM Sheep Creek Mo, SCM Sheep Creek Mo, WAT6 Susitna Watana, WAT6 Susitna Watana.

26d 16h

Table with columns for station ID, name, elevation, date, time, and location. Includes stations like NEA2 Nenana, NEA2 Nenana, FID Port Fidalgo, I23K Minto, Yukon-K, I23K Minto, Yukon-K, D22K Ayikyak River, D22K Ayikyak River, E22K Anaktuvuk Pass, E22K Anaktuvuk Pass, HQQ Hoqain, HQQ Hoqain, H23K Yukon River, H23K Yukon River, H23K Yukon River, H23K Yukon River, BSY Bisya, BSY Bisya, A22K Sinclair Lake, A22K Sinclair Lake, DHY Denali Highway, DHY Denali Highway, DHY Denali Highway, DHY Denali Highway, G23K Banana Creek, G23K Banana Creek, G23K Banana Creek, EYAK Cordova Ski Ar, EYAK Cordova Ski Ar, WRH Wood River Hill, WRH Wood River Hill, COLD Coldfoot, COLD Coldfoot, B22K Teshekpuk Lake, B22K Teshekpuk Lake, MDM Murphy Dome, MDM Murphy Dome, MSEY Mahe Island, MSEY Mahe Island, KLU Klutina, KLU Klutina, KLU Klutina, M24K Tolsona, Glenn, M24K Tolsona, Glenn, D23K Nanushuk River, D23K Nanushuk River, POKR Poker Plat Res, POKR Poker Plat Res, HDA Harding Lake, HDA Harding Lake, KAIM Kayak Island, KAIM Kayak Island, H24K Noodor Dome, H24K Noodor Dome, H24K Noodor Dome, H24K Noodor Dome, H24K Noodor Dome, ARQ Araqi, ARQ Araqi, E23K Chendalar, E23K Chendalar, GEYT Alibeck, GEYT Alibeck, GEYT Alibeck, SOHO SOHO, SOHO SOHO, SOHO SOHO, ILAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, BMRM Bremner River, BMRM Bremner River, HARP HARP, HARP HARP, PAX Paxson, PAX Paxson, TOLK Toolik Lake Re, TOLK Toolik Lake Re, AB31 Akbulak array, AB31 Akbulak array, ABKAR Akbulak array, ABKAR Akbulak array, C23K Hkiliik River, C23K Hkiliik River, N25K Chitina, Valde, N25K Chitina, Valde, N25K Chitina, Valde, K24K Donnelly Dome, K24K Donnelly Dome, MDH Madha, MDH Madha, G24K Hadweencic Riv, G24K Hadweencic Riv, UOSS Minazif, UOSS Minazif, UOSS Minazif, UOSS Minazif, UOSS Minazif, F24K Squaw Lake, F24K Squaw Lake, HATD Hatta, Dubai, HATD Hatta, Dubai, HATD Hatta, Dubai, SHAO Shalim, SHAO Shalim, SHAO Shalim, MASF Masafi, MASF Masafi, MASF Masafi, ASHO Ashiyah, ASHO Ashiyah, SHME Sham, SHME Sham, GLB Gilahina Butte, GLB Gilahina Butte, GLB Gilahina Butte, D24K Happy Valley, D24K Happy Valley, J25K Salcha River, J25K Salcha River, J25K Salcha River, VREDI Verde Repeater, VREDI Verde Repeater, VREDI Verde Repeater, ALNE AI Ain, ALNE AI Ain, ALNE AI Ain, PRP Porcupine Dome, PRP Porcupine Dome, C24K Franklin Bluff, C24K Franklin Bluff, H25L Birch Creek, H25L Birch Creek.

26d 16h

Table with columns: ICAO, Name, Elevation, Frequency, Mode, and other parameters. Includes entries like NAZ Nazwa, Dubai; G25K Bearman Lake; MCARA Umm Al-Quwain; etc.

2018 APR

Table with columns: ICAO, Name, Elevation, Frequency, Mode, and other parameters. Includes entries like M29M comp=Z,43nm,1.4s; M29M Somme Creek; D27M Malcom River; etc.

1702

Table with columns: ICAO, Name, Elevation, Frequency, Mode, and other parameters. Includes entries like INK Inuvik; V35K Ketchikan; S34M Telegraph Cree; S34M Telegraph Cree; etc.



Table of astronomical observations for 2018 APR, including columns for station name, coordinates, time, and observation details.

Table of astronomical observations for 2018 APR, continuing from the previous table with station names and observation data.

Table of astronomical observations for 26d 17h, listing station names and observation parameters.

Table for KRSC 26 17:05:35.1±1.6, 49.44N x 154.22E, h242km, 26km, M13.8, listing Kuril Islands stations and their observations.

Table for IDC 26 17:15:04.5±2.0, 1.68S; 136°33'E, h0km, mb3.7/3, listing various station observations.

Table for IDC 26 17:34:51.4±0.8, 6°11'N, 127°36'E, h0km, mb3.9/11, listing station observations.

Table for IDC 26 17:35:00.6±0.7, 5.84N; 070°127.0E±0.1, h83km, n26, listing station observations.

Table for IDC 26 17:01:54.6±0.1, 67°07'N; 20°94'E, h0km, ML2.3, Unknown, listing station observations.

Table with station names like BRVK, AKAR, ARU, ILAR and their associated coordinates and data.

NEIC 26 17:36:04.3-2.1, 29.22N; 10.55:76E; 0.07h, 16km, 5km, mb4.2/21, Error ellipse: s-maj=14, 1km s-min=8.5km az=187.0

TEH 26 17:36:05.8, 29.08N; 55:87E, h20km, 44km, M4.1, IDC 26 17:36:09.8, 27.29, 04N; 55:99E, h99km, 30km, mb3.5/16, mbtmp3.9/21, Error ellipse: s-maj=23.4km s-min=15.3km az=160.0

OMAN 26 17:36:11.0, 0.2, 28.88N; 55:79E, h28km, mb3.8/19, mh4.3/15, ms3.1/2, Mwps0.0/3, Error ellipse: s-maj=3.7km s-min=2.4km az=226.0

DSN 26 17:36:11.9, 1.4, 23.76N; 55:96E, h15km, M4.1/15, Error ellipse: s-maj=27, 1km s-min=12.4km az=81.0

ISC 26 17:36:03.0-6.5, 29.13N; 01:03:55:84E; 0.03h, 10km, n162, c265/170, mb4.0/31, Southern Iran

Main station listing table for 26d 17h, including station names, codes, and various parameters.

Main station listing table for 2018 APR, listing stations like HOQ, KRSH, GHW, ARQ, ARQ, BIDO, QAMS, TRNA, TRNA, NGCH, ISFB, SMRA, SMRA, SLWR, SMDO, SMDO, WSAR, WSAR, UMZ, UMZ, UMZ, MZR, MZR, MZR, BSY, IVRN, JMDO, JMDO, WBK, WBK, IDMH, TBJM, HRA, JLN, MHTO, DQM, DOK, RAYN, RAYN, SHAO, WHFO, DMTO, RBK, ABTO, GURO, ASF, ARPR, GHAJ, GHAJ, KBAZ, MMAL, MMAL, KIV, Eilat, EIL, KKK31, KKAR, BNN, CSS, CSS, ABKAR, BR131, BRTR, BRTR, AKTO, ELL, KARP, BRVK, BVAR, MKAR, KURBB, AKKB, KIEV, KIEV, BURAR, KWP, ZALV, AKTO, AKTO, TIP, TIP, OJC, RONA, ARSA, MOA, BIOA, KBA, GERES, KHC, KHC, FINES, LESA, SQTA, MOTA, FETA.

Table listing stations from FUORN to YKA, including coordinates and data.

DJA 26 17:40:57.0, 2.0, 8.2, 12.8E; 171km, 4km, M4.5/21, mb5.2/5, mb4.2/21, MLV4.6/14, Mw(mb)4.6/5

NEIC 26 17:40:58, 1+2.2, 7.5S; 0.1, 128, 19E; 0.08h, 159km, 5km, mb4.4/11, Error ellipse: s-maj=14.7km s-min=10.9km az=176.0

IDC 26 17:41:04.8, 7.1, 8.39S; 128.29E, h95km, 77km, mb3.2/1, mbtmp4.2/4, ML4.5/3, Error ellipse: s-maj=67.0km s-min=19.6km az=31.0

ISC 26 17:40:56.8, 0.7, 7.54S; 0.07, 128, 19E; 0.05h, 150km, n58, c173/60, mb4.5/4, Banda Sea

Main station listing table for 1704, including station names, codes, and various parameters.

TAP 26 17:44:55.9, 24.26N; 121.47E, h5km, MLO.9, B, Taiwan

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time, Residual (Res), and other data. Includes stations like XiuLin Townshi, NACB Ningsanchiao, NNSB Datong, etc.

MOS 26:17:46.46.9.1.4, 48:52N:153:36E, h170km, mb3.8/3, Error ellipse: s-maj=15.2km s-min=7.0km az=55.5
SKHL 26:17:46.46.9.0.4, 48:20N:153:80E, h149km, 2km, mb5.0/6, msh5.3/6
IDC 26:17:46.48.1.1.8, 48:66N:153:23E, h158km, 16km, mb3.3/15, mbtmp3.9/20, Error ellipse: s-maj=16.8km s-min=10.1km az=144.0
NEIC 26:17:46.48.4.1.6, 48:7N:0:1:153:1E:0:3, h150km, 12km, mb4.0/34, Error ellipse: s-maj=31.5km s-min=2.7km az=123.0

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time, Residual (Res), and other data. Includes stations like Severo-Kuril's, SKR, SKR, SKR, SKR, etc.

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time, Residual (Res), and other data. Includes stations like RUSJ Misakichio, NMR, AKK, JKA, ASAJ, ASAJ, etc.

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time, Residual (Res), and other data. Includes stations like KSAR Wanjou Array Be, KSAR Wanjou Array Be, KSAR Wanjou Array Be, etc.

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time, Residual (Res), and other data. Includes stations like IDC 26:17:52:24.8.0.6, 53:34S:24:89E, h0km, mb4.2/12, etc.

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time, Residual (Res), and other data. Includes stations like VNA1 Neumayer-Stat, MAW Mawson, VNA3 Neumayer Olymp, BOSA Boshof, etc.

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time, Residual (Res), and other data. Includes stations like TROLL Troli, ANTARI, SUR Sutherland, SUR Sutherland, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include H08S1 Diego Garcia H, BBOO Buckleboe, STKA Stephens Creek, etc.

IDC 26 18:47:34.2,0.8,7.38N-92.38E,h0km,mb4.1/14, mbmp4.1/15,ML4.4/1,MS3.0/3,Error ellipse: s-maj=34.5km s-min=14.7km az=51.0

NEIC 26 18:47:36.1,1.3,7.29N-92.29E,0.09,h10km,1km, mb4.3/41,Error ellipse: s-maj=18.0km s-min=12.4km az=221.0

DJA 26 18:47:37.0,3.0,7.7N,4.9E,1.0,h10km,ML6.1/2,MB6.5/2, mb4.5/12,MLV4.7/6,MW(mB)6.2/2

NDI 26 18:47:39.9,3.0,7.32N-92.41E,h37km,91km,mb4.2, mb4.3(NEIC)

ISC 26 18:47:38.0,5.7,38.0N-05.92E,2.39E,0.07,h24km,n78, a1506/76,mb4.2/30,Nicarab Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include PBA Port Blair, LHMI Lhok Sumawe, MLSI Meulaboh, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, CRAI Chiangrai, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include H08S3 Diego Garcia H, H08S2 Diego Garcia H, H08S1 Diego Garcia H, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include DRK Karamyk, BTK Batken, ARSB Arslanbob, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include JOW Kunigami, MK31 Makanchi Array, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include ABKAR Alice Springs, ASAR Alice Springs, AS31 Alice Springs, etc.

IDC 26 18:47:39.0,1.1,56.17S-26.51W,h0km,mb4.0/4, mbmp3.9/5,ML3.4/1,Error ellipse: s-maj=37.8km s-min=25.3km az=68.0

NEIC 26 18:47:43.8,1.5,56.4S,0.1x26.2W,0.3,h35km,2km, mb4.4/17,Error ellipse: s-maj=28.2km s-min=19.8km az=39.0

ISC 26 18:47:49.0,9.5,64S,0.1x26.7W,0.2,h88km,n24, a1938/24,mb4.3/11,South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include HOPE Hope Point, SNAAN Sanae, BELA Belragno 2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include GSPA South Pole Qui, GSPA South Pole Qui, MT02 Curacav, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include CO01 Combarbal, CO02 Juntas del Tor, CO01 El Transito, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include VYND Vanda, PB07 IPOC Station P, PB01 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include TOA0 Torodi Arr, TORD Torodi Arr, TORD Torodi Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include ILAR Gielson Array, 735A Kenedy, 735A Kenedy, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include SAND Sanderson, FW07 Weatherford, PLPT Palo Pinto, etc.

IDC 26 18:49:59.7,0.7,55.15S-30.48W,h0km,mb4.3/6, mbmp4.4/7,ML3.8/1,MS3.7/5,Error ellipse: s-maj=27.8km s-min=18.3km az=75.0

NEIC 26 18:50:01.7,1.1,55.2S,0.1x30.8W,0.2,h10km,1km, mb4.7/33,Error ellipse: s-maj=24.4km s-min=16.5km az=36.0

ISC 26 18:50:01.0,5.5,55.15S-30.48W,0.1,h10km,n145, a0571/129,mb4.7/16,MS3.8/4.5,South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include U32A Winter Ranch, OK038 West end E0370, BLOK Blackwell, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include HOPE Hope Point, VNA1 Neumayer-Stat, VNA3 Neumayer Olymp, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include PMSA Palmer Station, PMSA Palmer Station, SNAAN Sanae, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include TROLL Troll, Antarti, BELA Belragno 2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include TRQA Torquist, CPUP Villa Florida, CPUP Villa Florida, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include PEL Peldehue, VA03 San Esteban, VA06 Catapilco, etc.



Table with columns: GNBR, Guinib, 0.67 140, ePG, Pg, 19 05 00.8 0.0, BRNG, Burnasheti, 2.28 237, P, Pn, 19 05 28.3 +1.9, Azm277.0000; P -2.9550, Plg88.0000; Azm132.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangulum moment-rate function

Table with columns: BRNG, Burnasheti, 2.28 237, P, Pn, 19 05 28.3 +1.9, Azm277.0000; P -2.9550, Plg88.0000; Azm132.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangulum moment-rate function

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time Res, h m s ISC, h m s ISC, Azm277.0000; P -2.9550, Plg88.0000; Azm132.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangulum moment-rate function

26D 19h

Table with columns: Station Name, Frequency, Power, Mode, and other technical details for stations like WAKE ISLAND Hy, Calif City Air, Goldstone, etc.

NEIC 26 19:23:18.1±0.9,36.96N±0.02±97.63W±0.02,h10km,7km, Error ellipse: s-maj=3.3km s-min=1.0km az=48.0

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details for stations like KAN13, KAN17, KAN09, etc.

2018 APR

Table with columns: Station Name, Frequency, Power, Mode, and other technical details for stations like DEOK, CSTR, FNO, R32A, etc.

IDC 26 19:33:16.2±2.1,43.15N±105.21W,h0km,mb3.6/3, mbmp3.5/5,ML3.2/2,MS3.3/5,Error ellipse: s-maj=42.7km s-min=9.5km az=157.0

NEIC 26 19:33:16.9±2.4,43.60N±108.105±2W±0.1,h0km,1km, ML3.3/7,Error ellipse: s-maj=15.9km s-min=10.3km az=37.6

ISC 26 19:33:19.3±0.9,43.67N±105.13W±0.05,h0km,n60, e184/51,Wyoming

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details for stations like RSSD, K22A, PHWY, etc.

1710

Table with columns: Station Name, Frequency, Power, Mode, and other technical details for stations like I56US, YBH, BBB, etc.

IDC 26 19:39:06.7±2.5,11.92S±166.64E,h94km,20km,mb3.7/14, mbmp4.1/16,Error ellipse: s-maj=22.0km s-min=14.0km az=60.0

NEIC 26 19:39:07.8±2.1,11.93S±166.66E±0.1,h100km,8km, mb4.5/18,Error ellipse: s-maj=15.8km s-min=10.7km az=73.0

ISC 26 19:39:07.0±0.6,11.97S±166.61E±0.07,h100km,n50, e181/51,mb4.2/21,Santa Cruz Islands

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details for stations like HNR, HNR, HNR, etc.

IDC 26 19:51:43.6±0.6,53.48N±165.31W,h0km,mb4.2/32, mbmp4.2/34,ML3.6/2,MS3.6/39,Error ellipse: s-maj=16.0km s-min=10.2km az=167.0





26d 19h

2018 APR

1712

Table with columns: Station ID, Name, Time, Day, Status, Frequency, etc. Includes stations like A19K Wainwright, TOLK Toolik Lake, B21K Ikpikpuk River, etc.

Table with columns: Station ID, Name, Time, Day, Status, Frequency, etc. Includes stations like DLBC comp=Z,8.9nm,0.9s, GRNB Greenville Isle, WTLY Watson Lake, etc.

Table with columns: Station ID, Name, Time, Day, Status, Frequency, etc. Includes stations like RLMT Red Lodge, RLMT Red Lodge, GMN Gold Mountain, etc.



26d 20h

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like OKCE Okmok Cone E, FALS False Pass, NIKH Nikolski High, CLCO Concord Point, S12K Black Hills, SDPT Sand Point, etc.

2018 APR

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like H11N3 WAKE ISLAND HY 39.83 223 T T, H11N1 WAKE ISLAND HY 39.84 223 T T, H11S1 WAKE ISLAND HY 41.00 223 T T, etc.

1714

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like s-min=45.1km az=98.0, ISC 26:20:06:28.2-1.7, 39.771N:008:143E:0.1, h11km, n17, etc.

1715

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like KLUT, Juniper Island, ISLE, N19K, etc.

IDC 26:20:45.23.5.1.0, 1.91N, 126.36E, h0km, mb3.8/7, mbmp3.8/7, Error ellipse: s-maj=132.5km s-min=16.7km az=60.0

DJA 26:20:45.27.7.0.5.2 N5.5x12.7E.1, h10km, M4.1/11, mb4.6/2, ML2.9/3.8

ISC 26:20:45.29.7.0.8, 0.03N, 126.72E, 0.09, h47km, n15, o=070/17, mb3.9/7, Northern Molucca Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like TNTI, SGT5, LBM1, etc.

IDC 26:20:54:16.9.1.0, 25.62N, 88.86E, h0km, mb3.8/11, mbmp3.8/12, ML3.6/1, Error ellipse: s-maj=37.8km s-min=16.6km az=58.0

NDI 26:20:54:20.2.2.9, 25.60N, 88.87E, h10km, ML3.0, MW3.2

ISC 26:20:54:22.2.0.7, 25.59N, 88.89E, 0.05, h35km, n23, o=114/23, mb3.8/11, India-Bangladesh border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like GTK, SHL, SHL, SHL, SHL, etc.

AEIC 26:20:59:45.5.1.0, 56.5N, 0.1x148.6W, 0.1, h2km, gkm, Error ellipse: s-maj=15.4km s-min=9.0km az=165.0

NEIC 26:20:59:41.5.1.0, 56.46N, 0.07x148.62W, 0.09, h10km, 2km, ML2.9/3.4, ML2.8(AEIC), Error ellipse: s-maj=14.0km s-min=3.1km az=142.0, Gulf of Alaska

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

2018 APR

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like KDAK, Kodiak Island, OHAK, etc.

SOME 26:21:03:44.4, 40.65N, 77.82E, h15km

KRNET 26:21:03:48.3.0.1, 40.82N, 77.71E, h16km, mb3.1

NINC 26:21:03:49.9.1.3, 40.89N, 77.81E, h0km, mb3.6, mpv3.2, Error ellipse: s-maj=9.3km s-min=7.4km az=171.0

O18K 26:21:03:46.0.2.2, 40.72N, 0.08x77.66E, 0.04, h11km, 14km, n66, o=136/97, 31C-23Z, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like TARG, TARG, NRN, etc.

26d 21h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like KOTS, Kotrybulak, AAA, etc.



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MULa, GOMA, UURLA, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GALAPAGOS, LAS PENAS INFR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YANILIU VILLAG, XIULIN TOWNSHI, etc.

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

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IDC 26:22:14.50, ASAR, etc.

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NEIC 26:22:30, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KS21, KAN06, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like G02, OK03, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like W35A, RLO, etc.

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IDC 26:22:44, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ASAJ, H1N2, etc.

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

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







27d Oh

Table with columns for call sign, name, frequency, and other details. Includes entries like DAIG Los Arroyos, PPM Popocatepetl, MEIG Mezcala, etc.

2018 APR

Table with columns for call sign, name, frequency, and other details. Includes entries like WHTX Lake Whitney, WHTX Lake Whitney, BRAL Brewton, etc.

1720

Table with columns for call sign, name, frequency, and other details. Includes entries like AMTX Amarillo, FCAR Ozark Folk Cen, OK029 Liberty Lake, etc.

Table with columns: Station ID, Name, Frequency, Class, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like T25A, W57A, V55A, etc.

Table with columns: Station ID, Name, Frequency, Class, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like N23A, MURC, Q20A, etc.

Table with columns: Station ID, Name, Frequency, Class, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like MDP, FCC, RPN, etc.





27d Oh

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like O18K Koktuh Hills, M27K Edge Creek, KLR Kul'dur, etc.

2018 APR

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like CN2, OBN, MK31, etc.

1724

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like MJAR, FFC, EDM, etc.



Table with columns: Code, Station Name, Az, El, P, Time, Res, h, m, s, ISC. Includes stations like PDMCI Parker Dam, CBN Corbin Frederi, BELO Belle Mtn. Jos, etc.

UCR 27 00:35:33.6 1.7, 11.27N, 85.52W, h212km, 7km, MW3.6
CATAC 27 00:35:34.2 0.4, 11.17N, 85.77W, h203km, 4km, ML3.5
ISC 27 00:35:39.9 1.6, 11.29N, 0.07, 85.64W, 0.07, h210km, 9km, n73, c978/91, 5C-20D, Nicaragua

Table with columns: Code, Station Name, Az, El, P, Time, Res, h, m, s, ISC. Includes stations like LCRUZ La Cruz, VORI VORI, WRLE La Escondida, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res, h, m, s, ISC. Includes stations like SOCE comp=Z,2um,1.0s, SOCE Pocosol, MOM2 El Cardon, etc.

IPEC 27 00:43:23.9 0.2, 51.63N, 16.12E, h1km, ML2.6/4, Error ellipse: s-maj=2.0km s-min=1.2km az=35.0
DNK 27 00:43:23.5 2.2, 51.68N, 16.22E, h0km, 181km, ML2.6
IDC 27 00:43:24.2 0.7, 51.48N, 16.27E, h0km, mbtm3.0/6, ML2.5/6, Error ellipse: s-maj=11.17km s-min=6.4km

UPP 27 00:43:25.8 3.2, 51.60N, 15.00E, h0km, ML2.0
VIE 27 00:43:26.1 2.5, 51.49N, 15.89E, h0km, mb2.7/6, ml3.0/5, Error ellipse: s-maj=13.2km s-min=4.0km az=27.0
Suspended Mining Induced

BGR 27 00:43:26.2 0.4, 51.53N, 16.04E, h1km, ML3.0/16, Error ellipse: s-maj=4.4km s-min=2.2km az=15.0
PRU 27 00:43:27.5 51.49N, 16.05E, h0km
ISC 27 00:43:22.4 0.7, 51.66N, 0.03, 16.11E, 0.02, h0km, n64, e1946/133, Poland

Table with columns: Code, Station Name, Az, El, P, Time, Res, h, m, s, ISC. Includes stations like CHVC Chvalec, OSTO Ostas, UPC Upice, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res, h, m, s, ISC. Includes stations like CLL Colim, CLM Colim, HORA Svate Kat, etc.

IDC 27 01:05:40.4 18.0, 53.11N, 164.89W, h0km, mb3.5/3, mbtm3.4/4, ML3.0/1, Error ellipse: s-maj=336.4km s-min=37.6km az=84.0
NEIC 27 01:05:41.7 2.0, 53.35N, 0.05, 165.18W, 0.06, h19km, 6km, s=mb1.6/2.8, ML3.3(AEIO), Error ellipse: s-maj=6.8km s-min=2.9km az=173.0
AEIC 27 01:05:42.5 2.3, 53.37N, 0.06, 165.24W, 0.06, h19km, 5km, Error ellipse: s-maj=9.2km s-min=4.5km az=164.0
ISC 27 01:05:39.5 1.6, 53.33N, 0.06, 165.09W, 0.03, h5km, 10km, Error ellipse: s-maj=10.0km s-min=4.5km az=164.0





Table with columns: KBK, Karayagbulak, 3.15 289, P, P, 01 49 43.5 -3.4, etc.

Table with columns: PB10, IPOC Station P, 3.28 282, P, P, 02 01 58.5 +0.8, etc.

Table with columns: NNA, Nana, 15.32 321, P, P, 02 04 35.1 +1.2, etc.

SJA 27 02:01:04.0-0.7, 24:27S:67.11W, h217km, 5km, ML4.8, MW4.6, IDC 27 02:01:05.0-0.8, 24:22S:66:87W, h173km, mb4.3/19, mbmp4.8/26, MS3.4/3, Error ellipse: s-maj=1.7km, s-min=0.6km, az=59.0.

AC01 Pan de Azucar, 3.72 239, P, P, 02 02 02.5 -0.7, AC01 Pan de Azucar, 3.72 239, P, P, 02 02 02.5 -0.7, AC01 Pan de Azucar, 3.72 239, P, P, 02 02 02.5 -0.7.

NPGB Novo Progresso, 20.46 35, P, P, 02 05 27.4 -2.4, AY01 Puyuhuari, 20.64 191, P, P, 02 05 30.8 -0.5, TEFE Tefe, 20.75 7, P, P, 02 05 32.6 -0.3.

NEIC 27 02:01:05.3, 24:30S:67:25W, h170km, Moment Tensor Solution, Duration: 133, Moment tensor: Scale 10^16Nm, M0:0.21, Mw:0.19, Mb:0.40, Ms:0.52, Mm:0.02, Mv:1.67, Fault plane solution: M1:78000x10^16 NP1, P1:197.58000, S1:85.43000, N1:94.99000, NP2: P2:329.97000, S2:77.0000, N2:142.52000, Principal axes: T 1.7110, Plg49.0000, Azm113.0000, N 0.1464, Plg5.0000, Azm17.0000, P -1.8574, Plg40.0000, Azm283.0000.

AC06 Mina Casimiro, 4.29 223, P, P, 02 02 09.2 -1.2, CYA Choya, 4.33 165, P, P, 02 02 11.6 +0.7, GO03 Copiap, 4.39 220, P, P, 02 02 10.5 -1.3, GO03 Copiap, 4.39 220, P, P, 02 02 10.5 -1.3.

ALF01 Guarapari-ES, 24.59 87, P, P, 02 06 08.6 -1.1, RIB01 Linhares ES, 25.22 84, P, P, 02 06 13.8 -1.6, CHSH Refugio Sur-VO, 25.34 331, P, P, 02 06 19.9 -0.3, GUA01 Guaratinga, BA, 26.62 79, P, P, 02 06 26.3 -1.7.

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

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

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



27d 2h

Table of seismic events for 27 days, 2 hours. Columns include station codes (e.g., BW06, PDAR), station names (e.g., Boulder Array, Pinedale Array), magnitudes, depths, and locations (e.g., 02 12 42.0 +0.9).

2018 APR

Table of seismic events for April 2018. Columns include station codes (e.g., WHY, FARO), station names (e.g., Whitehorse, Faro, Yukon), magnitudes, depths, and locations (e.g., 02 14 34.0 +0.5).

1730

Table of seismic events for 1730. Columns include station codes (e.g., LCRUZ, HZTE), station names (e.g., Horizontes, Gu, Hacienda Flor), magnitudes, depths, and locations (e.g., 02 10 55.3 +1.0).



27d 4h

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like ARCES, SPITS, HFS, NB2, NOA, NCRSA, NRCA, EKA, ILAR, TORO.

TRN 27 03:44:39.1472N, 61.25W, h168km, MD3.9, 1C, Near West of Martinique, Windward Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like FDF, PCM, GBMF, CXM, BAMF, SVN, TRMF, BIM, EISON, LPMF, ILMAR, MPMO, MIFOM, SLBI, SLCP, TDBA, CBE, SVB, SVT, SVOC, ABDD, MBFL, GCOMP, BBGH, ANBD, GRSS, GRIC, ANDO, GRHS, GRW, GRGR, GRFF, TRN, TRN.

NNC 27 04:10:57.913.0, 37.05N, 70.43E, h0km, mb4.1, mpv3.8, 1C-2D, Error ellipse: s-maj=112.5km s-min=103.7km az=45.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like KK31, UK31, UCH, EKS2, AAK, USP, TKM2, TKM2.

IDC 27 04:21:36.5-4.8, 5.83S, 107.29E, h0km, mb3.9/3, mbmp3.9/3, MS3.0/2, Error ellipse: s-maj=98.7km s-min=18.2km az=86.0

DJA 27 04:21:41.1±0.2, 7.5±3.1°E, h10km, M4.4/16, mb4.7/2, mB6.2/1, MLV4.3/16, Mw(mB)5.8/1

ISC 27 04:21:41.6-0.8, 7.15S, 0.07, 106.86E, 0.06, h10km, n22, c0567/22, mb3.9/4, Jawa

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like CNJI, SKJI, LEJ, LEM, TNG, SBJI, JCJI, KPJI, KASI, YOGI, LWLI, UGM, PWJI, PPBI, JAGI, SISI, CMAR, WRA, ASAR, SKA, LYN, MKAR.

2018 APR

comp=Z, 27nm, 18.7s, baz=228, slow=41

TAP 27 04:22:40.1, 23.87N, 120.78E, h12km, ML1.5, 3D, B, Taiwan

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like WJS, TYC, WNT, SMLT, SMLT, SSSLB, SSSLB, WHYT, WHYT, WCS, WCS, WCHS, WDLH, WDLH, WCHH, WCHH, WUBH, WUBH, VVDT, VVDT, VVDT, VVDT, OWD, OWD, WRL, WRL, WHP, WHP, WCKO, WCKO.

TAP 27 04:34:33.2, 22.33N, 120.99E, h12km, ML3.6, B, ASIIES 27 04:34:33.2, 22.33N, 120.99E, h12km, ML3.6, Mw3.6

Moment Tensor Solution. Moment tensor: Scale 10^21Nm; Mn:0.45; Mm:0.27; Ml:0.71; Mn:2.23; Ml:0.14; Mw:1.61; Fault plane solution: Mo:2.8258x10^21 NP1:0.52, 20000, 0.86, 41000, 1.10, 47000. NP2:0.16, 92000, 0.11, 106000, 1.19, 04000. Principal axes: T: P47.5810, Azm333.1890; N: P10.4480, Azm231.5460; P: P10.45210, Azm132.4780;

ISC 27 04:34:33.2-0.9, 22.32N, 121.03E, 0.02, h11km, 6km, n80, c1908/110, 3C-7D, Taiwan region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like TAW, TAW, TAWH, TAWH, EAST, EAST, SLIU, SLIU, ECL, ECL, SMST, SMST, SCZT, SCZT, HEN, HEN, TWKB, TWKB, TWK1, TWK1, TTT, TTT, MASBT, MASBT, TWGB, TWGB, TWG, TWG, TWG, TWG, TSMG, TSMG, TSMY, TSMY, LAY, LAY, LONT, LONT, LYUB, LYUB, SGLT, SGLT, EDH, EDH, SCST, SCST.

1732

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like TWMT, SLGT, WSSB, CHKT, EHD, SGST, STYH, CHKH, SHHT, SHHT, CHNI, CHNI, WTP, WTP, SNST, SNST, TPUB, TPUB, TPUB, TPUB, EYUL, EYUL, TWFI, TWFI, YULB, YULB, CHN4, CHN4, CHN4, CHN4, WCKO, WCKO, TSCK, TSCK, ALS, ALS, ALS, ALS, EHY, EHY, HGSD, HGSD, ICHU, ICHU, CHNS, CHNS, WHYT, WHYT, WARBT, WARBT, VVDT, VVDT, WDLH, WDLH, SSSLB, SSSLB, ESL, ESL, SHUL, SHUL, SMLT, SMLT, SMLT, SMLT, WDG, WDG, WNT, WNT, TYC, TYC, OWD, OWD, WUSB, WUSB, VCHM, VCHM, LXIB, LXIB, WCS, WCS, CHGB, CHGB, PHUB, PHUB, WHF, WHF, NACB, NACB, NACB, NACB, ETLH, ETLH, TDCB, TDCB, WHP, WHP, NNSB, NNSB, EOS4, EOS4, LATG, LATG, YHNB, YHNB, YHNB, YHNB, FUSB, FUSB.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like Carnagh Statio, Rimuhau, Shannon Statio, etc.

IDC 27 04:36:25.0, 0.7, 0.79N, 83.55W, h0km, mb2.4/16, mbtmp4.3/20, M.L4.1/4, M.S3.5/29, Error ellipse: s-maj=22.7km s-min=12.8km az=57.0

NEIC 27 04:36:29.0, 1.1, 0.74N, 83.07W, 83.46W, 0.07, h17km, 4km, mb4.7/264, Error ellipse: s-maj=11.4km s-min=9.0km az=60.0

RSNC 27 04:36:31.8, 0.2, 1.1, N.6, 8.3W, h0km, mb5.4, mb5.4, M.L4.3, Mv(MB)4.9, Mw(Mw)4.4, Mwp4.8

IGQ 27 04:36:32.8, 1.2, 1.1, N.4, 8.3W, 1.0, h7km, mb4.7/264, Error ellipse: s-maj=11.4km s-min=9.0km az=60.0

ISC 27 04:36:27.1, 0.3, 0.75N, 83.42W, 0.05, h10km, n671, c109/578, mb4.7/148, MS3.5/22, Off coast of Ecuador

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ELAR, ABH2, AATC, etc.

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

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SNDB, TXAR, TX31, etc.

Table with columns: Station ID, Name, Frequency, Class, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like R32A Long Quarter, UNIS Unistar, ANMO Albuquerque, etc.

Table with columns: Station ID, Name, Frequency, Class, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Q12A Willow Creek R, GRAC Grapevine Rang, CWC Cotwood Cre, etc.

Table with columns: Station ID, Name, Frequency, Class, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like P30M Million Dollar, P29M Windy Craggy, P29M Win Craggy, etc.



Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Residual, Elevation Residual. Includes stations like SCM Sheep Creek Mo, K24K Donnelly Dome, M23K Glacier View, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Residual, Elevation Residual. Includes stations like N18K Kilae Creek, N19K Kilae Creek, G22K G22K, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Residual, Elevation Residual. Includes stations like STKA Stephens Creek, MKAR Makanchi Array, KRSR Korea Array, etc.

CATAC 27 04:41:19.5 to 7.14:02N:91.40W, h14km.6km, ML4.1
IDC 27 04:41:20.2 to 2.0, 14:18N:91.45W, h87km.17km, mb2.9/3,
mbmp3.4/6, Error ellipse: s-maj=26.2km s-min=13.1km
az=26.0

SNET 27 04:41:21.3 to 0.8, 14:42N:91.18W, h96km.16km, ML4.1
GCG 27 04:41:22.6 to 0.6, 14:35N:91.37W, h50km.21km, MD3.7
ISC 27 04:41:19.2 to 1.1, 14:11N:008.9150W.0:07, h78km.9km,

Code Station Name Az Elevation Az Error Elev Error Az Res Elev Res
SULM Schuttepequez 127.45 229 PKP PKPdf 04 55 32.4 -0.6

Code Station Name Az Elevation Az Error Elev Error Az Res Elev Res
SULM Schuttepequez 127.45 229 PKP PKPdf 04 55 32.4 -0.6

Code Station Name Az Elevation Az Error Elev Error Az Res Elev Res
SULM Schuttepequez 127.45 229 PKP PKPdf 04 55 32.4 -0.6

Code Station Name Az Elevation Az Error Elev Error Az Res Elev Res
SULM Schuttepequez 127.45 229 PKP PKPdf 04 55 32.4 -0.6

Code Station Name Az Elevation Az Error Elev Error Az Res Elev Res
SULM Schuttepequez 127.45 229 PKP PKPdf 04 55 32.4 -0.6

Code Station Name Az Elevation Az Error Elev Error Az Res Elev Res
SULM Schuttepequez 127.45 229 PKP PKPdf 04 55 32.4 -0.6

Code Station Name Az Elevation Az Error Elev Error Az Res Elev Res
SULM Schuttepequez 127.45 229 PKP PKPdf 04 55 32.4 -0.6

Code Station Name Az Elevation Az Error Elev Error Az Res Elev Res
SULM Schuttepequez 127.45 229 PKP PKPdf 04 55 32.4 -0.6

Code Station Name Az Elevation Az Error Elev Error Az Res Elev Res
SULM Schuttepequez 127.45 229 PKP PKPdf 04 55 32.4 -0.6

Code Station Name Az Elevation Az Error Elev Error Az Res Elev Res
SULM Schuttepequez 127.45 229 PKP PKPdf 04 55 32.4 -0.6

Code Station Name Az Elevation Az Error Elev Error Az Res Elev Res
SULM Schuttepequez 127.45 229 PKP PKPdf 04 55 32.4 -0.6

Code Station Name Az Elevation Az Error Elev Error Az Res Elev Res
SULM Schuttepequez 127.45 229 PKP PKPdf 04 55 32.4 -0.6

Code Station Name Az Elevation Az Error Elev Error Az Res Elev Res
SULM Schuttepequez 127.45 229 PKP PKPdf 04 55 32.4 -0.6

Code Station Name Az Elevation Az Error Elev Error Az Res Elev Res
SULM Schuttepequez 127.45 229 PKP PKPdf 04 55 32.4 -0.6

Code Station Name Az Elevation Az Error Elev Error Az Res Elev Res
SULM Schuttepequez 127.45 229 PKP PKPdf 04 55 32.4 -0.6

27d 5h

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JMKN, JKO, JNIO, etc.

IDC 27 04:53:39.1, 2.8, 4.03S, 129.64E, h0km, mb3.8/3, mbtmp3.8/4, ML4.2/1, Error ellipse: s-maj=279.2km s-min=30.0km az=72.0, MLV3.6/6, DJA 27 04:53:41.2, 1.0, 3.5S, 133.1E, h29km, M3.6/6, MLV3.6/6

ISC 27 04:53:39.6, 1.1, 3.43S, 0.09, 131.29E, 0.09, h24km, n9, c084/9, mb3.9/3, Irian Jaya region

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FAKI, BNDI, SWI, etc.

KOLA 27 04:58:52.8, 77.01N, 18.98E, h0km, ML2.5, Error ellipse: s-maj=14.9km s-min=7.8km az=130.0, Storfjordn zone NAO 27 04:58:53.1, 1.2, 77.02N, 19.05E, h5km, 13km, ML2.7, BER 27 04:58:55.2, 2.6, 76.91N, 18.75E, h15km, 15km, ML2.4, ML2.7(VIAO), Confirmed Earthquake FCJAR 27 04:58:56.0, 77.12N, 19.77E, h10km, station ZF12 has station magnitude of 1.70

ISC 27 04:58:52.6, 1.6, 77.02N, 0.05, 192.2E, 0.04, h1km, 14km, n28, c1831/51, 1C-1D, Svalbard region

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HSPB, SPA0, SPA1, etc.

2018 APR

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

IDC 27 05:00:32.4, 3.0, 55.46N, 86.20E, h0km, mbtmp2.9/3, ML2.4/3, Error ellipse: s-maj=26.8km s-min=19.0km az=62.0, Southwestern Siberia

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU, ZALV, ZALV, etc.

AUST 27 05:00:37.4, 1.9, 32.74S, 116.45E, h0km, 12km, Error ellipse: s-maj=15.7km s-min=7.6km az=62.0, Mining explosion, Western Australia

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NWA0, NWA0, NWA0, etc.

IDC 27 05:01:32.8, 2.6, 18.76N, 39.30E, h0km, mb3.5/5, mbtmp3.6/5, MS2.8/3, Error ellipse: s-maj=73.3km s-min=28.6km az=154.0, Red Sea

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BRTR, GNI, KOB, etc.

IDC 27 05:08:18.1, 2.9, 14.36S, 167.35E, h188km, 26km, mb3.8/7, mbtmp4.2/18, Error ellipse: s-maj=20.2km s-min=14.8km az=97.0, NOU 27 05:08:24.7, 14.87S, 167.85E, h145km, MLV4.4/9, Vanuatu Islands

ISC 27 05:08:19.1, 0.6, 14.39S, 0.07, 167.5E, 0.2, h200km, n31, c091/35, mb4.0/15, Vanuatu Islands

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LIFNC, KOUNC, YATWC, etc.

1736

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ILAR, NVAR, SNAW, etc.

IDC 27 05:25:28.6, 1.4, 21.74N, 99.24E, h0km, mbtmp2.8/2, ML2.3/2, Error ellipse: s-maj=33.0km s-min=16.7km az=82.0, Myanmar-China border region

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

IDC 27 05:29:46.6, 2.9, 54.36N, 86.92E, h0km, mbtmp2.8/2, ML2.3/2, Error ellipse: s-maj=23.8km s-min=16.2km az=63.0, Southwestern Siberia

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU, ZALV, ZALV, etc.

CATAC 27 05:33:46.9, 0.4, 12.58N, 88.27W, h39km, 9km, ML3.5, SNET 27 05:33:47.6, 0.8, 12.65N, 89.30W, h33km, 3km, ML3.3, ISC 27 05:33:46.4, 1.9, 12.56N, 0.05, 88.30W, 0.04, h31km, 16km, n48, c084/74, 2C-6D, Off coast of central America

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station codes like PAVA, LOMA, etc.

TIR 27 05:51:00.6, 41:55N:19:51E, h33km, Md3.6, M3.1
PDG 27 05:51:01.8-0.2, 41:55N:19:71E, h11km, ML2.9/13, Error ellipse: s-maj=0.6km s-min=0.6km az=90.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station codes like ULC, PUK, DRME, etc.

Table with columns: SRN, Station Name, Azimuth, Phase ID, Time, Res, and various station codes like UNAC-Piva, Sjenica, etc.

IDC 27 05:55:50.5, 0.6, 22:26N: 121:24E, h0km, mb4.2/24, mbtmp4.2/26, ML3.7/2, MS3.7/42, Error ellipse: s-maj=21.2km s-min=12.0km az=65.0

NIED 27 05:55:51.4, 22:37N: 121:42E, h0km, MW4.5, Moment Tensor Solution... s2 Moment tensor: Scale 1015Nm; M1:3.74; M2:5.82; M3:2.08; M4:2.79; M5:1.18; M6:2.19;

NEIC 27 05:55:53.7, 1.8, 22:44N:0.04:121:06E:0.05, h10km, 1km, mb4.5/31, Error ellipse: s-maj=10.1km s-min=4.2km az=306.0

TAP 27 05:55:53.8, 22:34N: 120:99E, h12km, ML4.6, B ASIES 27 05:55:53.8, 22:34N: 120:99E, h12km, ML4.6, Mw4.5, Moment Tensor Solution... Moment tensor: Scale 1022Nm; M1:-1.04; M2:0.39; M3:-4.57; M4:5.84; M5:-1.90; M6:3.14;

BUJ 27 05:55:54.2, 0.0, 22:35N: 121:03E, h17km, mb4.4/37, mb4.6/20, ML4.1/7, Ms4.2/38, Ms7.4/135

ISC 27 05:55:53.2, 0.8, 22:33N:102:121E:0.02, h13km, 5km, m267.1143/298, mb4.4/42, MS3.8/45, 15C-14D, Taiwan region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station codes like TAW, TAWH, EAST, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, and various station codes like TWGBT, TWG, TWG, etc.

27d 5h

Table with columns for station name (e.g., SMLT Sun Moon Lake), frequency, and other parameters. Includes sub-headers like 'SMPT' and 'SMLT'.

2018 APR

Main table for 2018 APR with columns for station name (e.g., JOW Kunigami), frequency, and other parameters. Includes sub-headers like 'JOW', 'SSE', 'CNSH', etc.

1738

Table for 1738 with columns for station name (e.g., CMAR Chiang Mai Arr), frequency, and other parameters. Includes sub-headers like 'CMAR', 'SBUM', 'GTOI', etc.

Table with columns: ARU, STKA, KIRV, KIRV, DZM, C18K, C18K, J16K, E18K, E18K, J17K, G19K, KBZ, H19K, H19K, TTA, TTA, ILAR, ARCES, SPITS, SPITS, FINES, AKASG, BRTR, BRTR, MMAI, INK, EIL, HFS, HFS, NOA, NOA, NOA, JMIC, VRAC, GERES, GERES, YKA, DAVOX, BORG, BORG

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, h m s, ISC

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

Table with columns: BANI, BANI, BANI, MIDR, MIDR, MIDR, DR08, DR08, DR08, ABRD, ABRD, ABRD, NADR, NADR, NADR, LOBAZ, LOBAZ, LOBAZ, PODR, PODR, PODR, SDDR, SDDR, SDDR, REDR, REDR, REDR, AOPR, AOPR, AOPR

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, h m s, ISC

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, h m s, ISC

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, h m s, ISC

Table with columns: HFS, WRA, ASAR, IDC 27 07:32:17.4, ML2.3/2, Error ellipse: s-maj=29.4km s-min=18.7km

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, h m s, ISC

27d 8h

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like NSK Sanguang, SX11 Grass Mountain, ELDTW Lidau, etc.

IDC 27 07:45:24.2±3.7, 53°56'N, 88°22'E, h0km, mbtmp2.7/3, ML2.1/3, Error ellipse: s-maj=37.2km s-min=23.1km

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

NNC 27 07:46:15.2±6.1, 36°82'N, 69°96'E, h0km, mb3.7, mpv3.4, 4C, Error ellipse: s-maj=61.4km s-min=47.9km az=84.0, Hindu Kush region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like KK31 Karatay Array, AAK Ala-Archa, etc.

SJA 27 07:56:31.9±0.7, 28°12'S, 71°61'W, h15km, 3km, ML3.9, MW3.8

NEIC 27 07:56:35.8±1.9, 28°18'S, 0°04:71.4W, 0:1, h22km, 7km, mb4.4/4, Error ellipse: s-maj=15.6km s-min=2.9km

GUC 27 07:59:37.0±0.7, 28°21'S, 71°28'W, h37km, 2km, ML4.1

ISC 27 07:58:32.9±1.5, 28°15'S, 0°03:71.50W, 0:05, h10km, 10km, n77, c=1963/90, SC, Near east of central Chile

Main station list table for the first section, including stations like AC04 Llanos de Chal, AC05 El Transito, AC06 Mina Casimiro, etc.

2018 APR

Main station list table for the second section, including stations like G002 Mina Guanaco, G003 Mina Guanaco, G004 Tololo Observa, etc.

1740

Main station list table for the third section, including stations like B00T Bodrum, B00D Bodrum, AKHS Akhisar, etc.

SJA 27 08:29:57.1±0.6, 23°98'S, 66°74'W, h22km, 5km, ML4.2, MW4.0

IDC 27 08:29:58.2±1.1, 23°86'S, 66°63'W, h199km, 13km, mb3.7/3, mbtmp4.0/9, Error ellipse: s-maj=18.4km s-min=14.6km az=126.0

NEIC 27 08:29:58.6±1.6, 23°99'S, 0°07:66.9W, 0:1, h22km, 9km, mb4.3/6, Error ellipse: s-maj=18.5km s-min=7.9km az=111.0

ISC 27 08:29:57.6±0.7, 23°96'S, 0°04:66.80W, 0:04, h215km, 7km, n83, c=1922/109, mb3.9/3, 2C, Jujuy Province



Table with columns: CCIG, CCIG, Comitan, 24.18 287, P, P, 08 50 06.4 -0.4, 08 50 24.5, comp=Z, 1.7nm, 0.7s, baz=140, slow=7.1, SNR=4.9, LR, 09 12 33.5

Table with columns: TXAR, comp=Z, 1.7nm, 0.7s, baz=140, slow=7.1, SNR=4.9, LR, 09 12 33.5, KSUI, comp=Z, 1.9nm, 0.7s, baz=131, SNR=12, 38.36 323, P, P, 08 52 11.7 +0.6

Table with columns: EGMT, Eagleton, 51.33 325, P, P, 08 53 54.7 +0.3, 08 53 56.0, comp=Z, 1.8nm, 1.1s, 51.33 325, P, P, 08 53 54.0 0.0



Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Rows include Babbage River, Chicken, MCARCA, etc.

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Rows include B21K Ikipuk River, I20K Naagheedeneel, M19K Big River Lodg, etc.

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Rows include KCW South Karori, SNZO Nelson, NNZ Wellington, etc.

IDC 27 08:59:56.5:343.0,55.93N:18.70E, h0km, Error ellipse: s-maj=137.9km s-min=123.9km az=34.0, Baltic Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Rows include I26DE FREYUNG INFRAS, I43RU DUBNA INFRASOM, I37NO I37NO.

TIR 27 09:15:50.4, 39°80N:20°70E, h2km, 2km, Md2.9, Ml2.3, ATH 27 09:15:51.6, 39°83N:20°67E, h20km, 2km, ML2.4/4, Error ellipse: s-maj=2.4km s-min=1.0km az=172.0

ISC 27 09:15:51.5:1.0,39.81N:20.03:20.70E:0.03, h16km, 8km, n17, <087/28, Greece-Albania border region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Rows include JAN Janina, JAN Janina, JAN Janina, etc.

SDD 27 08:46:17.7:2.4, 17.79N:68.22W, h132km, 31km, ML2.6, MW3.2, 12C-1D, Mona Passage

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Rows include CRPR Cabo Rojo, PR, MLPR Magueyes Islan, AGPR Aguadilla, etc.

NOU 27 08:47:47.1, 42°56'S:173°97'E, h5km, MLV3.6/8, South Island, New Zealand, WEL 27 08:47:49.2:0.4, 42°S:2'17.4E', h19km, 3km, M2.9/18, ML3.0/22, MLV2.9/18, Error ellipse: s-maj=0.0km

ISC 27 08:47:48.7:1.0, 42°46'S:173°90'E:0.04, h17km, 7km, n54, <074/75, South Island

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Rows include KIKS Kaikoura, KHZ Kahutara, KEKS Kekerengu Vall, etc.

IDC 27 09:57:12.7:2.3, 67°65N:21°43E, h0km, mbtmp=5/2, ML1.5/2, Error ellipse: s-maj=34.3km s-min=9.5km az=105.0

UPP 27 09:57:12.0:0.0, 67°64N:21°02E, h0km, ML1.5, Unknown HEL 27 09:57:12.1:0.4, 67°62N:21°01E, h0km, ML1.8, Explosion ISC 27 09:57:12.4:0.9, 67°64N:21°03E:0.03, h0km, n28, <1903/38, Sweden

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Rows include MASU Masugnsvbyne, MASU Kurraavaara, KUA Dundred, etc.



1745

Table of satellite station data for 1745, including columns for station name, frequency, and coordinates.

2018 APR

Table of satellite station data for 2018 APR, including columns for station name, frequency, and coordinates.

27d 10h

Table of satellite station data for 27d 10h, including columns for station name, frequency, and coordinates.

27d 10h

Table with columns for station ID, name, coordinates, and status. Includes stations like Villa Florida, Karatay Array, Charters Tower, Ala-Archa, etc.

2018 APR

Table with columns for station ID, name, coordinates, and status. Includes stations like Lookout Ridge, TNA, B22K, D17K, etc.

1746

Table with columns for station ID, name, coordinates, and status. Includes stations like VABM Dome, Junction City, Bearman Lake, etc.

Table with columns: YKA, Yellowknife Ar, 153.64 340, PKPpdf, PKPpdf, 10 58 05.9 -1.4, etc. Includes entries for YKA, J26L, EGAK, O15K, CBKS, MNHN, M24K, O16K, N18K, SCRK, J30M, J29N, K27K, K27K, CUT, O17K, WAT1, DHY, SKT, N19K, P16K, DAWY, S12K, W16K, MSTX, N20K, WRGLY, K29M, M22K, O19K, SUA, L26K, MAYO, Q16K, L27K, BCAR, BCAR, P19K, SML, PMR, M23K, CAPN, M24K, S3M, S14M, L29M, RC01, O20K, SDPT, KNK, M26K, OGNE, P19K, M17X, M27K, CHGN, O22K, Q12K, M29M, HOM, CHNA, SEW, FARO, M31M, YUK3, MCARA, DGMT, BMRM, Q20K, T25A, EYAK, TGYN, YUK8, N30M, YUK4, N31M, CTG, KDAK, CHIR.

Table with columns: YUK6, Outpost Moun, 157.69 6 P, PKPab, 10 58 45.2 +0.1, etc. Includes entries for YUK6, KOTAN, Q24A, SDCO, ANMO, O30N, MESA, Y22D, Y22F, 121A, WHY, ISCO, WTLY, P30M, P33M, N23A, LIRD, P29M, P32M, TOAD, PLBC, R33M, DLBC, TUC, R31K, O20A, EGMT, R32K, S34M, RLMT, PDAR, T35M, HMU, BOZ, U33K, 113A, MTPU, MSU, NLU, DUG, DUG, C09A, E09A, WCT, F04A, F04A, etc.

Table with columns: AUL, Augustine Lava, 3.58 330, Pn, Pn, 10 40 26.8 +2.1, etc. Includes entries for AUL, Q23K, Q23K, Q23K, MID, MID, MID, CNTO, Q17K, P19K, P19K, P19K, P19K, KELA, SEW, SEW, O20K, O20K, ILSW, ILSW, IVE, P18K, P18K, P18K, O22K, O22K, SLKM, RDSO, RDT, HIN, HIN, O18K, O18K, O18K, P17K, P17K, O19K, O19K, NCT, KAIM, KAIM, CHGN, CHGN, RC01, RC01, RC01, EYAK, EYAK, EYAK, FID, FID, FID, GLI, GLI, GLI, GLI, RAGM, SUCK, SUCK, N20K, SPCR, HMT, N19K, N19K, N19K, GOAT, SPCG, KNK, KNK, KNK, KNK, SUA, SUA, SUA, PMR, PMR, PMR, N18K, N18K, N18K, N18K, N18K, N18K, N18K, N18K, N18K, N18K, WAX, KLU, KLU, CNBA, BARK, SCM, SML, SML, WAX, KLU, CNBA, BARK, SCM, SML, SKT, SKT.

27 10h

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like MESA Styx River, M20K Juniper Island, etc.

2018 APR

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like F31M Tsightechic, C23K Itkilik River, etc.

1748

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like I46RU ZALESOVO INFRA, ZAAO Zalesovo Array, etc.



27d 12h

Table with 10 columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Contains station data for AML and Sg frequencies.

ISC 27 11:52:53.5-1.1, 61.36N, 0.03, 140.04W, 0.05, h19km, 3km, n9, a043/15, Southern Yukon Territory

Table with 10 columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Contains station data for various stations like Steele Glacier, Moose Creek, etc.

IDC 27 12:14:01.7-1.0, 43.86N, 84.60E, h0km, mb3.6/3, mbmp3.6/7, ML3.2/4, MS2.4/1, Error ellipse: s-maj=22.7km s-min=12.0km az=61.0

NNC 27 12:14:06.7-1.3, 44.03N, 84.51E, h0km, mb4.1, mpv3.8, Error ellipse: s-maj=11.3km s-min=5.1km az=130.0

SOME 27 12:14:08.9, 44.15N, 84.30E, h5km

ISC 27 12:14:03.8-1.1, 43.97N, 0.05, 84.61E, 0.05, h10km, n50, a262/72, mb3.6/3, 12C-8D, Northern Xinjiang

Table with 10 columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Contains station data for various stations like Ketmen, MK31, MKAR, etc.

2018 APR

Table with 10 columns: SHLS, SHLS, SHLS, SHLS, SHLS, SHLS, SHLS, SHLS, SHLS, SHLS. Contains station data for SHLS and KAPS frequencies.

Table with 10 columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Contains station data for various stations like Mula-Seydiye, FETY AKAS, etc.

1750

Table with 10 columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Contains station data for various stations like ISK 27, ATH 27, THE 27, etc.

AFAD 27 12:30:06.9-0.0, 36.39N, 29.16E, h25km, ML2.5







1753

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, h, m, s, ISC. Includes stations like GUANDACOL, Cuesta del Vie Vinchina, Tololo Observa, Cerro Coronel, Llanos de Chal, etc.

ISN 27 15:05:13.1 ± 0.7, 34° 92'N, 45° 61'E, h6km, 29km, ML2.6
TEH 27 15:05:14.2, 34° 92'N, 45° 61'E, h10km, 34km, ML2.6
ISC 27 15:05:14.1 ± 1.3, 34.96°N, 0.07°-45.63°E, 0.05, h10km, n8, c092/13, Iran-Iraq border region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Santiao Chiao, Baghdad, Kafar-mosalman, etc.

2018 APR

Main table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, h, m, s, ISC. Includes stations like EGS, EOS2, SXII, SXI1, EOS3, EOS4, etc.

27d 15h

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ESL, CHGB, OWD, WHP, WUSB, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA, ASAR, MKAR, etc.

27d 15h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, and various station details like BVAR Borovoye Array, ZALV Zaleso Beam, TORO Torodi Ar, etc.

NOU 27 15:30:06.3, 37:03S-177:15E, h242km, ML3.6/8, Off E.

WEL 27 15:30:13.2, 0.9, 37:56.6, 17:7E, h177km, 8km, M2.8/18, ML2.9/8, MLV2.8/18, Error ellipse: s-maj=0.0km

ISC 27 15:30:06.0, 2.3, 37:10S-108:177.08E, 0.07, h233km, 12km, n110, a280/123, Off east coast of North Island

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, and station details.

2018 APR

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, and station details.

1754

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, and station details.



27d 16h

Table with columns: AVIZ, Vizcacheras, 2.66 50 eP, Pn, 16 07 54.6 +1.7, etc.

IDC 27 16:11:30.2, 1.4, 49:26N:20:29E, h0km, mbtmp3.2/5, ML2, 8/6, Error ellipse: s-maj=22.5km s-min=7.9km az=166.0

PRU 27 16:11:31.7, 49:44N:20:16E, h1km, Nowy Targ, High Tatra

IPEC 27 16:11:31.2, 0.1, 49:44N:20:25E, h6km, ML2, 9/6, Error ellipse: s-maj=1.1km s-min=0.8km az=61.0

VIE 27 16:11:31.4, 0.8, 49:48N:20:21E, h0km, mb2.5/4, ml2.4/3, Error ellipse: s-maj=5.8km s-min=4.1km az=90.0, Suspected Mining induced.

ISC 27 16:11:29.7, 0.7, 49:56N:0:03:20:28E, h0km, n44, r16/76, 4C-70, Poland

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc.

2018 APR

Table with columns: DAVOX, comp=Z, 0.3nm, 0.3s, baz=49, slow=6.1, SNR=1.7, etc.

IDC 27 16:18:41.0, 0.1, 0.41:93N:77:13E, h0km, mb3.4/6, mbtmp3.3/11, ML2, 7/5, MS4, 1/1, Error ellipse: s-maj=15.9km s-min=1.1km az=1.0

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc.

1756

Main table with columns: DGS, Degeres, 237nm, 0.4s, 1.71 325 eP, Pb, 16 19 14.8 0.0, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res. Includes stations like MNAS, KAPS, BTLS, TRKS, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res. Includes stations like ASAR, WRA, TXAR, etc.

ICD 27 16:40:14.3...3.6, 29.035@179.95W, h0km, mb3.5/3, mbmp3.4/3, Error ellipse: s-maj=285.3km...

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res. Includes stations like AKUM, DEMR, KSL, etc.

Main table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res. Includes stations like KORT, KNIK, FETY, etc.

Main table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res. Includes stations like KARP, BODT, MVOU, etc.

27d 17h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Huaiquique, Diego Aracena, Punta Patache, etc.

NEIC 27 17:20:28.4, 2.4, 45:83N, 0:06:106:73W, 0:07, h0km, 1km, ML2, 8/36, Error ellipse: s-maj=9.9km s-min=6.3km

IDC 27 17:20:29.3, 1.6, 45:85N, 106:80W, h0km, mbtm3, 1/2, ML3, 0/2, Error ellipse: s-maj=60.0km s-min=8.8km

ISC 27 17:20:28.5, 1.1, 45:94N, 0:05:106:57W, 0:06, h0km, n49, r1500/49, Montana

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LASA Array, Red Lodge, Grant Village, etc.

2018 APR

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SPUT, P18A, EROD, etc.

LJU 27 17:22:03.0, 0.8, 45:53N, 14:84E, h16km, ML2.4 VIE 27 17:22:03.4, 0.2, 45:56N, 14:84E, h15km, mb2, 1/13, az=167.0, Error ellipse: s-maj=1.8km s-min=0.9km

RHSSO 27 17:22:04.0, 0.4, 45:51N, 14:73E, h10km, 3km, ML2.3/9 PRU 27 17:22:05.0, 45:59N, 14:65E, h10km ISC 27 17:22:03.1, 0.8, 45:54N, 0:01:14:83E, 0:02, h17km, 5km, n69, r0993/120, 5C-8D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GBRs, VISS, BOJS, KNDS, etc.

1758

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ARSA, MORI, Banja Luka, etc.

IDC 27 17:31:20.5, 0.5, 8:59S, 158:87E, h114km, 4km, mb3.7/16, mbtm4, 1/17, MS2, 9/3, Error ellipse: s-maj=16.6km

NEIC 27 17:31:22.2, 2.0, 8:55S, 0:09:159:10E, 0:10, h127km, 7km, mb4, 3/32, Error ellipse: s-maj=16.9km s-min=9.0km

ISC 27 17:31:21.4, 0.5, 8:52S, 0:06:159:10E, 0:07, h120km, 4km, h121km, pp-P, n74, r138/87, mb4, 2/26, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HNR, RABL, PMG, etc.





27h 18h

Table with columns for station name (e.g., HRA Herat, KUDL Kundal), frequency (9.43 251, 10.18 163), and signal strength (+0.9, -1.0, etc.).

2018 APR

Table with columns for station name (e.g., BRTR Keskin Array B, KLMM Klimovskoe), frequency (30.59 286, 31.08 328), and signal strength (+2.4, -1.0, etc.).

1760

Table with columns for station name (e.g., FDMO Spitsbergen Ar, TUE Stuetta), frequency (46.48 346, 46.80 302), and signal strength (+1.4, +0.6, etc.).

Table with columns: ENA, NDS, TWE, LATG, LATG, NDT, NWLT, NWLT, NNSB, YHNB, NSK, NSK, ETLH. Includes station names, coordinates, and times.

JMA 27 19:00:17.5,0.3,24.3N;0.6,123.8E;0.7, h19km,2km, MVO,77, NEAR ISHIGAKIJIMA ISLAND, Southwestern Ryukyu Islands

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

IDC 27 19:01:11.4,2.0,43.76N;105.44W, h0km, mbtmp3.2/2, ML1.8/1, Error ellipse: s-maj=47.6km s-min=10.2km az=150.0

NEIC 27 19:01:11.2,2.4,37.57N;105.105,28W;0.09, h0km,1km, ML3.0/62, Error ellipse: s-maj=11.2km s-min=7.7km az=64.0

ISC 27 19:01:11.1,1.0,43.58N;105.105,29W;0.05, h0km, n38, i=166/37, Wyoming

Large table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h m s, ISC. Lists numerous stations including RSDS, PHWY, RWYF, N23A, N23A, LAO, PD31, PDAR, PDAR, PDAR, RLMT, RLMT, RLMT, OGNE, YMP, ISCO, LKWW, LKWW, GCMT, LOHW, H17A, H17A, H17A, FLWY, FLWY, MOOW, REDW, O20A, Q20A, IMW, IMW, TPWA, TPWA, FXWY, YHH, K30B, RDMU, RDMU, RDMU, ECR, SMCO, SMCO, Q2AA, DCMT, KSCO, HWUT, HWUT, BSUT, BSUT, BSUT, P18A, LYMT, H10CA, ULM, ULM, ULM, SISI.

DJA 27 19:05:16.7,0.4,4.53S;102.2E;1.1, h10km, M3.5/7, MLV3.5/7, Southern Sumatra

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h m s, ISC. Includes stations like LWLI, PPSI, KASI, DSRI, SISI.

mbtmp3.9/6, Error ellipse: s-maj=144.2km s-min=13.2km az=65.0, NEIC 27 19:22:39.2,1.4,6.3N;101.126,6E;0.1, h117km,4km, mb4.0/10, Error ellipse: s-maj=23.5km s-min=9.2km az=57.0

ISC 27 19:22:39.9,0.6,40N;109.126,9E;0.1, h100km, n30, i=146/33, mb3.9/12, Mindanao

Large table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h m s, ISC. Lists numerous stations including DAV, DAV, DAV, SGSI, TINTI, GTOI, MRSI, TOLIZ, SANI, LUWI, LUWI, SWI, FAKI, SBUM, KNRA, FITZ, WB0, WBO, WRA, WB2, WRD, ASAR, ASAR, BBOO, STKA, STKA, MK31, MK31, MKAR, KURBB, BVAR, ABKAR, ARU, ARU, VIE, PRU, CHVC, OSTC, OSTC, UPC, DPC, PVCC, KRLC, BRRG, BRG, BRG, RICC, PRU, MORC, HSKC, HSKC, CLL, CLL, OKC, VRAC, KRUC, OJC, OKC, OKC, LANS, MODS, VYHS, CONA, CONA, BSD, BSD, BSD, BSUT, MOA, MOA, MOA, BIAO, ARSA.

Table with columns: LUNU, BLEU, BLEU, KBA, DEL, DEL. Includes station names and coordinates.

DJA 27 19:48:13.4,0.5,8.5S;6.10,4E;1.1, h10km, M4.6/13, mb4.9/6, MLV4.5/13

IDC 27 19:48:13.7,1.3,7.82S;104.08E, h0km, mb4.0/12, mbtmp4.0/14, ML4.4/2, Error ellipse: s-maj=40.7km s-min=15.9km az=50.0

NEIC 27 19:48:17.0,2.2,8.11S;0.07,104.02E;0.08, h30km,5km, mb4.4/28, Error ellipse: s-maj=12.5km s-min=8.6km az=62.0

ISC 27 19:48:14.1,0.6,7.99S;107.104,11E;0.06, h10km, n62, i=1951/62, mb4.4/21, Southwest of Sumatera

Large table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h m s, ISC. Lists numerous stations including KASI, SKJI, SBJI, XMSI, LWLI, CNJI, LEM, LEM, CMWJ, PMBI, UGM, UGM, UGM, PWJI, SISI, JAGI, GSI, GSI, GIRL, MMRI, TOLIZ, BATI, BATI, UBPT, FITZ, PHRA, CM31, CM31, CMAR, CHTO, CHTO, CRAI, FAKI, FAKI, H08S2, H08S3, H08S3, H08S1, WBO, WBO, WRA, WB2, WB2, ASAR, ASAR, ASAR, JOW, STKA, STKA, JNSU, KRSU, MAJO, MAJO, MJB9, MJB9, SONM, SONM, SONM, JSD, USKR, USKR, MK31, MKAR, MKAR, KLR, KURBB, ZAAO, ZAAO, ZALV, BVAR, ABKAR, ABKAR, YAK, CSS, TXAR.

NEIC 27 19:49:18.9,0.7,36.45N;101.98,77W;0.02, h5km,2km, mb\_LG2.7/66, ML3.0/31, Error ellipse: s-maj=2.6km s-min=1.5km az=120.0, Oklahoma

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h m s, ISC. Includes stations like OK038, U32A, U32A, U32A.



Table listing astronomical observations for 1763. Columns include station name, coordinates, time, and magnitude. Observations are for various stations like WATA, SOTA, MOTA, etc., tracking objects like 2.87 310 i Pn.

IDC 27 20:15:07.9,3.9,5.88S:105.10E,h0km,mb3.6/6, mbmp3.6/7,ML3.3/1, Error ellipse: s-maj=132.1km s-min=30.5km az=41.0

Table listing astronomical observations for 1763, continuing from the previous table. Includes observations for stations like LEM, CMAR, H082, etc.

Table listing astronomical observations for 1763, continuing from the previous table. Includes observations for stations like KURBB, ZALV, BVAR, etc.

IDC 27 20:16:12.3,1.0,5.90S:142.87E,h0km,mb3.9/6, mbmp3.9/8,ML1.5/1,MS3.0/4, Error ellipse: s-maj=32.2km s-min=20.2km az=72.0

Table listing astronomical observations for 1763, continuing from the previous table. Includes observations for stations like PMG, WRA, WRA, etc.

IDC 27 20:17:26.6,1.9,6.17S:143.08E,h0km,mb3.9/5, mbmp3.9/6,ML3.9/1,MS3.2/1, Error ellipse: s-maj=58.7km s-min=37.3km az=107.0

Table listing astronomical observations for 1763, continuing from the previous table. Includes observations for stations like WRA, ASAR, CMAR, etc.

LSZ 27 20:21:13.5-0.3,3.51S:32.96E,h26km,MD4.1 ISC 27 20:21:18.9-0.9,5.69S:0.04:35.54E:0.06,h10km,n6, c196/12, Tanzania

Table listing astronomical observations for 1763, continuing from the previous table. Includes observations for stations like DODT, GETA, etc.

NDI 27 20:33:35.7,2.3,29.17N:76.82E,h10km,ML3.4, MW3.6 IDC 27 20:33:45.7,15.0,30.80N:75.60E,h0km,mb3.5/3, mbmp3.3/5,ML2.9/2, Error ellipse: s-maj=299.1km s-min=60.5km az=147.0

Table listing astronomical observations for 1763, continuing from the previous table. Includes observations for stations like BHGR, NDI, SMLA, etc.

Table listing astronomical observations for 1763, continuing from the previous table. Includes observations for stations like LGTI, DHRM, etc.

IDC 27 20:37:17.1-0.6,13.40N:90.84W,h16km,ML3.9 IDC 27 20:37:18.1-2.6,15.31N:88.85W,h0km,mb3.6/1, mbmp3.4/2,ML4.2/1,MS3.2/7, Error ellipse: s-maj=45.4km s-min=17.8km az=155.0

Table listing astronomical observations for 1763, continuing from the previous table. Includes observations for stations like JMU, JHNI, etc.

SNET 27 20:37:19.0-0.5,13.51N:90.73W,h9km,ML3.8 GCG 27 20:37:22.0-0.4,13.68N:91.00W,h50km,243km,MD3.7 ISC 27 20:37:15.2-1.9,13.34N:0.07:90.85W:0.04,h10km,n11km, n48,c098/65,MS3.3/7, Near coast of Guatemala

Table listing astronomical observations for 1763, continuing from the previous table. Includes observations for stations like FUG, NUBE, etc.

IDC 27 20:37:15.2-1.9,13.34N:0.07:90.85W:0.04,h10km,n11km, n48,c098/65,MS3.3/7, Near coast of Guatemala

Table listing astronomical observations for 1763, continuing from the previous table. Includes observations for stations like CEVE, GUMI, etc.

IDC 27 20:37:15.2-1.9,13.34N:0.07:90.85W:0.04,h10km,n11km, n48,c098/65,MS3.3/7, Near coast of Guatemala

Table listing astronomical observations for 1763, continuing from the previous table. Includes observations for stations like UNIC, RTAL, etc.

IDC 27 20:37:15.2-1.9,13.34N:0.07:90.85W:0.04,h10km,n11km, n48,c098/65,MS3.3/7, Near coast of Guatemala

Table listing astronomical observations for 1763, continuing from the previous table. Includes observations for stations like JUA, CEDA, etc.

IDC 27 20:37:15.2-1.9,13.34N:0.07:90.85W:0.04,h10km,n11km, n48,c098/65,MS3.3/7, Near coast of Guatemala

Table listing astronomical observations for 1763, continuing from the previous table. Includes observations for stations like LALI, STG3, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like UESV Universidad de, HUEH HUEH, MRL Marmol, SCLA Alcaldia de Sa, PACA Pacayal, TXAR Lajitas Array, NVAR Mina Array Bea, FRB Frofisher Bay, PPT Papeete, BORG Borgarnes, MDT Midtelt, SPITS Spitsbergen, NOA NORSTAR Array B, HFS Hagfors, CMAR Chiang Mai Arr.

MEX 27 20:40:14.1-0.5, 13.33N-92.52W, h10km, MD4.1
IDC 27 20:40:28.2-4.1, 14.30N-91.59W, h107km, 34km, mb3.2/4,
mbmp3.5/5, MS3.2/1, Error ellipse: s-maj=71.4km
s-min=46.5km az=20.0

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like RTAL Retalhuleu, CHJUJ Union Juarez, PATR El Naranjo, PAVE Pavencul, PCIG Pinedale Array, APG El Apazote, CCIG Comitán, CCIG Arriaga, CARR Carrizosa, TGIG Tegucigalpa, TXAR Lajitas Array, PDAR Pinedale Array, NVAR Mina Array Bea, SCHO Schefferville, YKA Yellowknife Ar, ILAR Eielson Array, CMAR Chiang Mai Arr.

NOU 27 20:47:51.9, 37.15S-179.83E, h0km, MLV4.1/8, Off E.
Coast of N. Island, N.Z.
IDC 27 20:47:58.0, 7.5, 36.51S-179.05E, h0km, mb3.9/2,
mbmp3.9/2, Error ellipse: s-maj=433.4km s-min=51.5km
az=166.0

WEL 27 20:48:01.4, 0.8, 37.54N-177.9E, h12km, M3.4/19,
ML3.7/24, MLV3.4/19, Error ellipse: s-maj=0.0km
s-min=0.0km az=101.9, confirmed

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like MXZ Matakaoa Point, WMGZ Waiomatatini S, PKGZ Pakihiotara, PUZ Puketiti, HAZ Te Kaha, TWGZ Tauwhareparae, RUGZ Raukumara Rang, CNRG Carnagh Statio, TKGZ Te Karaka, MWZ Matawai, RIGZ Rimuhau, RAGZ Rawiri, URZ Urewera, URZ Urewera, MUGZ Murupara, RAHZ Aarahi, WHHZ Waihua, MTHZ Maungataniwha, NMHZ Naumai, KAHZ Kapaotunu, KUZ Kuaotunu, BKZ Black Stump Fm, BKZ Black Stump Fm, CKHZ Cape Kidnapper, MCHZ McNeill Hill, TOZ Tahuroa Road, KWHZ Kaweka Forest, GRZ Great Barrier, KAHZ Kahuranaki, RTZ Rihia Road, MIKAZ Moutanui, TMVZ Te Maari, PXZ Pawanui, BHZ Black Hill Sta, ETVZ East Tongariro, NTVZ North Tongariro, ETAZ East Tamaki Re, MOVZ Moawhango, FWVZ Far West T-bar, WNVZ Wahianoa, WPHZ Waipukurau, PNHZ Pukenui.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like AWAZ Awahitu Peninsula, HIZ Hauri, HIZ Hauri, RVAV Riverhead Bore, DVHZ Dannevirke, URVZ Uturoa, WCZ Waipu Caves, WBC Birch Farm, PRWZ Porirua Road, TIWZ Tintock, MRZ Mangatoinaka R, OUZ Omahuta, OUZ Omahuta, QKZ Quartz Range, STKA Stephens Creek.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like ASAR Alice Springs, ARCES ARCES Array B, FINES FINES Array B.

IDC 27 21:07:44.9, 3.3, 28.53S-178.54W, h0km, mb4.0/3,
mbmp4.0/3, Error ellipse: s-maj=90.5km s-min=17.9km
az=36.0, Kermadec Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like RAO Raoul Island, STKA Stephens Creek, ASAR Alice Springs, WRA Warramunga Arr, FINES FINES Array B.

IDC 27 21:31:00.7, 9.2, 15.93S-168.06E, h251km, 77km, mb3.4/3,
mbmp4.0/4, Error ellipse: s-maj=161.2km
s-min=73.3km az=91.0, Vanuatu Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like DZM Mont Dzumac, STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs.

IDC 27 21:33:44.5, 12.0, 2.26N-101.57W, h0km, mb3.5/4,
mbmp3.5/4, MS3.4/15, Error ellipse: s-maj=227.9km
s-min=202.2km az=158.0, Galapagos Triple Junction
region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like CMIG Matias Romero, JTS Las Juntas de, ATAH Atahualpa, TXAR Lajitas Array, ROSC El Rosal, NNA Nana, RPN Rapa Nui, PFO Pinyon Flat, TKL Tuckechee C, NVAR Mina Array Bea, PDAR Pinedale Array, PDAR Pinedale Array, H03N2 Juan Fernandez, H03N1 Juan Fernandez, H03N3 Juan Fernandez, SIV San Ignacio, MDP Montagnes des, BBB Bella Bella, BDFB Brasilia, YKZ Yellowknife Arr, INK Inuvik, H1S2 WAKE ISLAND Hy 90.93 288 T, H1S1 WAKE ISLAND Hy 90.93 288 T, H1S3 WAKE ISLAND Hy 90.95 288 T.

IDC 27 21:59:30.0, 1.9, 67.65N-33.57E, h0km, mbmp3.2/4,
ML2.4/4, Error ellipse: s-maj=19.8km s-min=10.1km
az=81.0

KOLA 27 21:59:29.0, 67.64N-33.78E, h0km, ML2.0, Error ellipse:
s-maj=3.7km s-min=1.3km az=140.0, Khibiny, mines
Kirovsk, Yuksorp, Khibiny, mines Rasvumchorr, Central
HEL 27 21:59:24.4, 0.2, 67.77N-33.63E, h0km, ML1.8, Suspected
explosion

IDC 27 21:59:26.4, 1.0, 67.61N-0.04, 34.03E-0.04, h0km, n30,
+1:57/53, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like APA Apatity, LVL Lovozero, LVZ Lovozero, LPV Lovozero, APV Apatity Array, TERR Teriberka, VRF Varrio, VRF Varrio, VRF comp=Z, 7.6nm, 0.2s, OLKF Oulanka, Finla, OLKF Oulanka, OLKF comp=Z, 3.9nm, 0.2s, KU6 Riecki.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like KU6 comp=Z, 2.5nm, 0.2s, RAJA Raja-Jooseppi, MSF Maaselka, SGF Sodankyl, KMNF Kaamenen, VADSO Vadso, RANF Ranvaara, RANF Rovaniemi, RNF Kevo, RNF Kevo.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like ARAO ARCES Array B, ARCES ARCES Array B, ARCES comp=Z, 0.9nm, 0.3s, baz=119, slow=14, SNR=15, ARCES comp=Z, 1.7nm, 0.3s, baz=115, slow=33, SNR=13, RMF Romuvaara, HEF Hetta, OUL Oulu, KTK1 Kautokeino, PAJU Pajala, PAJU Kalix, KALU Kallu, LANU Lannavaara, LANU Lannavaara, FINES FINES Array B, FINES comp=Z, 0.1nm, 0.3s, baz=21, slow=12, SNR=4.2, FINES comp=Z, 0.1nm, 0.3s, baz=37, slow=19, SNR=1.6, FINES comp=Z, 0.6nm, 0.3s, baz=33, slow=23, SNR=9.2, FAUS Fauske, HFS Hagfors, SPITS Spitsbergen, NOA NORSTAR Array B, NOA NORSTAR Array B.

IDC 27 22:15:59.8, 2.1, 8.10S-129.45E, h0km, mb3.4/1,
mbmp3.2/3, ML3.0/2, Error ellipse: s-maj=104.2km
s-min=29.2km az=67.0, Timor Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Arr, JMA 27 22:16:37.7, 0.1, 24.3N-0.4, 123.8E-0.4, h14km, 16km, MV1.3/10, NEAR ISHIGAKIJIMA ISLAND, Southwestern Ryukyu Islands, IRIF Iriomote-Funau, HATJ Hateruma jima, JKRS Kuro-shima, JKRS Kuro-shima, JIJ Ishigaki jima, JIJ Ishigaki jima, JISG Ishigakijima, JISG Ishigakijima, YOJ Yonaguni jima, JYNG Yonagunijimaku, JTJ Tarama, JTJ Tarama.

TAP 27 22:16:43.9, 24.10N-121.67E, h7km, ML1.3, C, Taiwan

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like TWD Chiawan, TWD Chiawan, ETL Fush Village, ETL Fush Village, NACB Ninganchiao, NACB Ninganchiao, NACB Ninganchiao, ETLH Xiulin Townshi, ETLH Xiulin Townshi, ETM Tongmen, ETM Tongmen, ETM Tongmen, LXIB Xiulin Townshi, LXIB Xiulin Townshi, SHUL Shouting, SHUL Shouting, ENA Nanau, EWUT Wuta, WHF Hehuan Shan, FUSS Fushou, NNSB Datong, CHGB Renai, CHGB Renai, CHGB Datong, YHNB Yeheng, YHNB Yeheng.

IDC 27 22:30:33.6, 7.1, 19.20S-177.27W, h0km, mb3.8/3,
mbmp3.8/3, MS3.0/2, Error ellipse: s-maj=306.8km
s-min=39.1km az=144.0, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like PPT Papeete.



Table of astronomical observations for 28d Oh, listing objects like BRDY Brady, WHTX Lake Whitney, and others with their coordinates, magnitudes, and other parameters.

Table of astronomical observations for 2018 APR, listing objects like MDT Midelt, NOA NORSTAR Array B, and others with their coordinates, magnitudes, and other parameters.

IDC 27 23:13:47.1\_2.3, 13:19N,124:26E, h0km, mb3.5/4, mbTm0.5, Luzon

Table of astronomical observations for IDC 27 23:13:47.1\_2.3, 13:19N,124:26E, listing objects like CMAR Chiang Mai Arr, WRA Warramunga Arr, and others.

NNC 27 23:25:45.4\_3.0, 37:00N,71:05E, h0km, mb3.9, mpv3.5, 3C-3D, Error ellipse: s-maj=24.1km s-min=22.5km

Table of astronomical observations for NNC 27 23:25:45.4\_3.0, 37:00N,71:05E, listing objects like KK31 Karatay Array, AAK Ala-Archa, and others.

SOME 27 23:36:22.5, 40:30N-71:58E, h5km, ISU 27 23:36:23.0, 40:25N,71:62E, h15km

KRNET 27 23:36:23.1\_0.1, 40:24N,71:53E, h16km, mb2.4

NNC 27 23:36:25.2\_2.9, 40:18N,72:03E, h0km, mb3.3, mpv2.8

Error ellipse: s-maj=22.2km s-min=12.7km az=10.0

ISC 27 23:36:23.9\_0.9, 40:26N,71:53E, h18km, 5km, m2.9, 28:00/52, 19C-ADZ, Tajikistan

Table of astronomical observations for ISC 27 23:36:23.9\_0.9, 40:26N,71:53E, listing objects like CHMI Chimion, ANR Anzar, and others.

Table of astronomical observations for 1766, listing objects like BKKB, TKM2 Tokmak 2, and others with their coordinates, magnitudes, and other parameters.

AEIC 28 00:14:32.5\_1.5, 56:39N,0:09,148:0W, 0.1, h12km, 7km, Error ellipse: s-maj=13.1km s-min=7.5km az=164.0

NEIC 28 00:14:29.1\_5.5, 56:35N,0:08,148:0W, 0.1, h21km, 10km, ML3.6/66, ML3.5(AEIC), Error ellipse: s-maj=12.7km s-min=8.0km az=164.0, Gulf of Alaska

Table of astronomical observations for AEIC and NEIC events, listing objects like KDAX Kodiak Island, Q23K Middleton Is, and others.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include VREDI, GHO, SML, SCM, STLK, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include FDF, FDF, ILAM, ILAM, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include ILAR, MOS 28 01:13:17.4, TEH 28 01:13:18.1, etc.

TRN 28 00:15:21.4, 16:10N-61:68W, h19km, MD3.9, Basse-Terre, Guadeloupe.

NEIC 28 00:15:22.5, 1.1, 16:03N-04:61:76W, h10km, 2km, ML3.6/42, Error ellipse: s-maj=7.6km s-min=6.5km az=140.0

IDC 28 01:15:22.5, 1.0, 15:88N-61:62W, h0km, mb3.7/10, mbmp3.7/11, ML3.2/1, MS3.1/0, Error ellipse: s-maj=25.5km s-min=24.2km az=77.4

ISC 28 00:15:22.7-0.8, 16:08N-03:61:64W, h04km, h14km, n65, s166/57, mb3.8/10, MS3.1/8, Leeward Islands

IDC 28 00:29:01.7, 1.5, 2:58N-127:77E, h0km, mb3.9/6, mbmp3.9/6, MS3.1/5, Error ellipse: s-maj=137.3km s-min=17.6km az=67.0

ISC 28 00:29:02.3, 2.2, 2:1N-127:2E, h50km, n11, o075/6, mb4.0/6, MS3.1/4, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include BATI, WRA, ASAR, CMAR, MJAR, STKA, SONMI, MKAR, KURBB, BVAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include NATI, NATI, GEM, HMDT, MMEI, MMAI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include CBE, CBE, GDSH, GDSH, TBG, MAGL, MAGL, etc.





28d 1h

2018 APR

1770

Table with columns for station name, coordinates, elevation, frequency, and signal strength. Includes stations like SSSL, MQZ, JGF, Kuroka, Kellersberrin, etc.

Table with columns for station name, coordinates, elevation, frequency, and signal strength. Includes stations like CRAI, Chiangrai, PEAOB, Petropavlovsk, etc.

Table with columns for station name, coordinates, elevation, frequency, and signal strength. Includes stations like K15K, Wolf Creek Mou, M16K, Timber Creek, etc.





Table with columns for station name, frequency, power, mode, and other details. Includes stations like KMSC, Kings Mountain, ABTX, WHAR, etc.

Table with columns for station name, frequency, power, mode, and other details. Includes stations like LBHN, MDP, PB12, K22A, etc.

Table with columns for station name, frequency, power, mode, and other details. Includes stations like TROA, KOTAN, DLBC, etc.

Table of station data for the 28-day period. Columns include station code, name, coordinates, elevation, and various status flags.

Table of station data for the 28-day period, continuing from the previous table. Columns include station code, name, coordinates, elevation, and various status flags.

Table of station data for the 28-day period, continuing from the previous table. Columns include station code, name, coordinates, elevation, and various status flags.





Table with 4 columns: Station Name, Azimuth, Elevation, and SNR. Includes stations like Rapa Nui, Mount Denham, Tepich, Juriquilla Cam, Neumayer Olymp, Sanae, etc.

Table with 4 columns: Code, Station Name, Azimuth, Elevation. Includes stations like Port Moresby, Alice Springs, Fitzroy Cross, Warramunga Arr, etc.

Table with 4 columns: Station Name, Azimuth, Elevation, SNR. Includes stations like Manacapuru-AM, Camarica, Samul, ETMB, JSC, etc.

IDC 28 03:26:44.4, 1.4, 6.55S, 143.32E, h0km, mb4.1/4, mbtmp4.0/5, ML3.5/1, MS3.4/2, Error ellipse: s-maj=61.6km

IDC 28 03:30:02.1, 1.1, 14.38N, 0.003, 60.13W, 0.07, h56km, gkm, n112, s1904/123, mb4.4/20, Windward Islands

IDC 28 03:32:38.6, 0.6, 25.53S, 69.45W, h1km, 2km, ML4.0, mbtmp4.1/9, ML4.2/3, MS2.9/3, Error ellipse: s-maj=36.5km



Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes entries for Pine Spring, Mina Array, Little Hulton, and various other stations.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes entries for Divide, Khitrov Hills, Spurr Chakacha, and various other stations.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes entries for Atlatra River, Burnt Mountain, Peel River, and various other stations.

BGSI 28 04:09:08.7±0.2,27.57S;26°87'E, h2km,10km, ML3.8
PRE 28 04:09:11.1±0.9,26.97S;26°70'E, h2km, ML3.2

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes entries for Parys, Senekal, Boshof, and various other stations.

BUI 28 04:27:09.5±0.0,31°52'N;132°43'E, h10km, mb4.4/28,



28d 5h

Table listing station codes, names, coordinates, and various numerical values for stations in the 28d 5h region.

NIED 28 05:08:24.1,32°57'N;130°70'E,h12km,MW3.4,Moment

Tensor Solution. s3 Moment tensor: Scale 10^11Nm; Mn:0.33; Mo:1.47; M0: -1.79; M1:0.03; M2:0.26; Fault plane solution: Mo:1.65000x10^14 NP1: 0.223.00000, 887.00000, -174.00000. NP2: 0.213.00000, 884.00000, -4.00000.

JMA 28 05:08:24.1-0.1,32.6N-0.2-130.7E;0.2,h12km,MV3.6/20,

Table listing station codes, names, coordinates, and various numerical values for stations in the JMA 28 05:08:24.1 region.

TEH 28 05:23:03.2,33°24'N;46°14'E,h17km,57km,ML2.9

ISN 28 05:23:03.2,0.4,33.21N;46.07E,h14km,1km,ML3.0

ISC 28 05:23:03.0,1.3,33.23N;0.04;46.13E;0.04,h2km,14km, n13,-0.8517,17,Iran-Iraq border region

Table listing station codes, names, coordinates, and various numerical values for stations in the TEH 28 05:23:03.2 region.

KRNET 28 05:25:02.3,40.1,61°N;78°29'E,h16km,mb2.9

SOME 28 05:25:02.5,40°57'N;77°97'E,h10km

NWC 28 05:25:03.6,40.6,40.62N;77.95E,h29km,7km,mb3.5, mPv3.1, Error ellipse: s-maj=4.5km s-min=3.0km az=170.0

ISC 28 05:24:50.0,2.4,40.49N;0.09;-77.86E;0.04,h2km,13km, n53,-1.820/85,206-110,D, Kyrgyzstan-Xinjiang border region

Table listing station codes, names, coordinates, and various numerical values for stations in the KRNET 28 05:25:02.3 region.

2018 APR

Main table listing station codes, names, coordinates, and various numerical values for stations in the 2018 APR region.

1780

Table listing station codes, names, coordinates, and various numerical values for stations in the 1780 region.

Table with 5 columns: Call Sign, Name, Azimuth, Elevation, and other parameters. Includes entries like F19K Shalercukik Mo, L20K Farewell, AK, M20K Styx River, etc.

Table with 5 columns: Call Sign, Name, Azimuth, Elevation, and other parameters. Includes entries like HARP HAARP, D24K Happy Valley, C24K Franklin Bluff, etc.

Table with 5 columns: Call Sign, Name, Azimuth, Elevation, and other parameters. Includes entries like TOAD Toad River Com, WRGLY Wrigley, YKA Yellowknife Ar, etc.





BC86	comp=Z,8um,1.0s	IAML		06 17 14.5
APQN	BB Volcan Apoy	0.56 23 i P	Pn	06 16 57.5 +0.6
AERN	Aeropuerto Man	0.56 39 i P	Pn	06 16 57.4 +0.5
AERN	comp=Z,8um,1.0s	IAML		06 17 12.0
WILN	Americas 2	0.56 36 i P	Pn	06 16 57.3 +0.4
WILN		i S	Sn	06 17 05.6 -1.9
WILN		IAML		06 17 09.7
APQ3	Volcan Apoyequ	0.58 15 i P	Pn	06 16 58.1 +1.0
APQ3		i S	Sn	06 17 07.8 -0.1
APQ3		IAML		06 17 13.7
BC84	Volcan Momotom	0.68 359 i P	Pn	06 16 58.9 +0.8
BC84		i S	Sn	06 17 08.1 -1.5
BC84		IAML		06 17 11.5
LEVN	Ruinas Leon Vi	0.70 353 i P	Pn	06 16 58.9 +0.6
LEVN		i S	Sn	06 17 08.5 -1.3
LEVN		IAML		06 17 12.7
MOMN	Momotombo	0.70 359 i P	Pn	06 16 58.7 +0.3
MOMN		i S	Sn	06 17 08.5 -1.5
MOMN		IAML		06 17 10.6
HUEN	El Cardon	0.72 29 i P	Pn	06 17 00.4 +1.9
MOM2		i S	Sn	06 16 59.1 +0.5
MOM2		IAML		06 17 09.2 -1.2
MOM2		IAML		06 17 13.9
CNGA	AI SSO del Vol	0.80 348 i P	Pn	06 16 59.7 +0.2
CNGA		i S	Sn	06 17 11.0 -1.0
CNGA		IAML		06 17 14.1
CNGN	Cerro Negro	0.81 348 i P	Pn	06 16 58.9 -0.6
CNGN		i S	Sn	06 16 59.6 +0.1
CNGN		IAML		06 17 11.4 -0.7
CNGN		IAML		06 17 14.2
PACN	AI O del Volca	0.83 342 i P	Pn	06 16 57.6 -2.2
ROCN	Rota Cerro Neg	0.83 345 i P	Pn	06 16 52.8 -7.0
HERN	Volcan Telica	0.94 342 i P	Pn	06 17 02.0 +0.9
HERN		i S	Sn	06 17 14.5 -0.4
HERN		IAML		06 17 21.5
BRAN	Las Pilas	1.02 10 i P	Pn	06 16 57.4 -4.6
BRAN		IAML		06 17 09.8
PKGN	Cerro Pekin	1.05 335 i P	Pn	06 17 03.3 +1.0
PKGN		i S	Sn	06 17 17.2 +0.1
PKGN		IAML		06 17 19.4
CRIN	San Cristobal	1.11 333 i P	Pn	06 17 03.7 +0.5
CRIN		i S	Sn	06 17 04.2 +1.1
CRIN		IAML		06 17 22.8
HZTE	Horizontes, Gu	1.34 137 i P	Pn	06 17 06.6 +0.6
HZTE		i S	Sn	06 17 07.5 +1.5
HZTE		IAML		06 17 23.7 +0.2
HZTE		IAML		06 17 28.6
ACON	Acocapa	1.35 79 i P	Pn	06 17 06.1 +0.1
ACON		IAML		06 17 07.0
ACON		IAML		06 17 07.0
LIMN	Finca el Limon	1.36 7 i P	Pn	06 17 07.6 +1.4
ALIBA	Liberia Airport	1.47 139 e P	Pn	06 17 10.1 +2.5
FILADEL		1.57 143 e P	Pn	06 17 10.1 +1.2
VMAR	Armenia, Volca	1.65 123 e P	Pn	06 17 10.3 +0.4
ORTG	Ortega, Santa	1.70 142 i P	Pn	06 17 12.1 +0.6
ORTG	Ortega, Santa	1.70 142 i P	Pn	06 17 11.6 +0.9
ORTG		IAML		06 17 12.6
ORTG		i S	Sn	06 17 31.6 -0.2
ORTG	Ortega, Santa	1.70 142 i P	Pn	06 17 11.4 +0.9
JUD3	Juan Diaz 3	1.81 146 e P	Pn	06 17 12.7 +0.6
SAJU	San Juanillo	1.81 154 i P	Pn	06 17 12.3 +0.2
SAJU		IAML		06 17 34.9
NICO	Nicoya	1.89 146 e P	Pn	06 17 14.7 +1.6
AMPH	Amapala	1.92 325 i S	Sn	06 17 14.1 +0.6
AMPH		i S	Sn	06 17 38.6 +1.7
CMARA	Lajas Hojancha	2.00 147 e P	Pn	06 17 15.1 +0.5
CNCH	Conchagua	2.02 321 i P	Pn	06 17 15.7 +0.8
CNCH		i S	Sn	06 17 40.9 +1.5
CNCH		IAML		06 17 44.4
LCND	La Caada	2.08 320 i P	Pn	06 17 16.5 +0.9
LCND		IAML		06 17 58.5
JTS	Las Juntas de	2.09 132 i P	Pn	06 17 16.4 +0.6
JTS		P	Pn	06 17 16.1 +0.3
JTS	comp=Z,130nm,0.4s,baz=301,slow=15,SNR=562	S	Sn	06 17 36.3 -4.8
JTS	comp=Z,181nm,0.4s,baz=299,slow=12,SNR=12	LR	LR	06 18 04.5
JTS	comp=Z,99nm,20.0s,baz=252,slow=40	LR	LR	06 17 16.1 +0.3
JUNT	Juntas	2.09 132 e P	Pn	06 17 16.2 +0.5
NWURE	Nandayure	2.11 144 e P	Pn	06 17 16.4 +0.4
ESPN	Las Esperanzas	2.23 77 e P	Pn	06 17 19.1 +1.4
ESPN	Las Esperanzas	2.23 77 e P	Pn	06 17 19.2 +1.6
JUCU	Jucuarrn	2.28 313 e S	Sn	06 17 19.0 +0.7
JUCU		e S	Sn	06 17 44.3 -1.4
JUCU		IAML		06 17 49.1
JUCU	Jucuarrn	2.28 313 i P	Pn	06 17 18.9 +0.6
JUCU		IAML		06 17 47.7
SOCE	Pocosol	2.29 125 i P	Pn	06 17 18.3 -0.1
SOCE		i P	Pn	06 17 18.0 +0.4
SOCE		IAML		06 17 43.2
SOCE	Pocosol	2.29 125 e P	Pn	06 17 19.1 +0.6
COVE	Coope Vega, Sa	2.30 115 i P	Pn	06 17 18.6 +0.1
COVE	Coope Vega, Sa	2.30 115 i P	Pn	06 17 19.2 +0.6
COVE		IAML		06 17 25.8
COVE	Coope Vega, Sa	2.30 115 e P	Pn	06 17 18.8 +0.2
CNRM	Centro Naciona	2.38 318 i P	Pn	06 17 21.2 +1.6
CNRM		IAML		06 17 56.0
BLLM	Bellamira	2.40 316 e P	Pn	06 17 21.3 +1.3
VSM	San Miguel	2.42 315 e P	Pn	06 17 21.8 +1.4
LCY	Lacayo	2.43 315 i P	Pn	06 17 21.8 +1.4
RANC	El Ranchito	2.43 315 i P	Pn	06 17 21.9 +1.4
RANC		IAML		06 17 22.7
TGUH	Tegucigalpa,Un	2.45 343 i P	Pn	06 17 22.1 +1.4
TGUH	Tegucigalpa,Un	2.45 343 i P	Pn	06 17 22.4 +1.7
TGUH		IAML		06 17 22.9
LAFE	Finca La Fe, P	2.47 140 i P	Pn	06 17 21.2 +0.4
LAFE		IAML		06 17 50.0
PACA	Pacayal	2.48 315 e P	Pn	06 17 22.5 +1.5
PACA	Pacayal	2.48 315 i P	Pn	06 17 22.6 +1.5
PACA		IAML		06 17 54.2
ARZA	Espazra	2.50 133 e P	Pn	06 17 22.1 +0.9
CPMI	Catarata Coope	2.54 124 i P	Pn	06 17 23.1 +1.2
CPMI		IAML		06 17 33.0
CPMI	Catarata Coope	2.54 124 e P	Pn	06 17 22.9 +0.9
RAMO	San Ramon	2.58 128 e P	Pn	06 17 24.1 +1.6
TECA	Tecapa	2.62 313 e P	Pn	06 17 24.3 +1.4
COEB	Comit de Eme	2.65 313 e P	Pn	06 17 24.6 +1.3
COEB		IAML		06 18 00.4
COEB	Comit de Eme	2.65 313 i P	Pn	06 17 24.9 +1.6
COEB		IAML		06 17 59.8
GREC	Grecia	2.71 126 e P	Pn	06 17 27.2 +2.9
JACO	JACO, Garabito	2.74 138 e P	Pn	06 17 24.9 +0.5
JACO	JACO, Garabito	2.74 138 i P	Pn	06 17 26.0 +1.5
JACO		IAML		06 17 36.7
POSS	Presas 15 de Se	2.75 314 i P	Pn	06 17 26.1 +1.5
POSS		IAML		06 17 27.4
TECO	Alcaldia de Te	2.86 310 e P	Pn	06 17 26.9 +0.9
TECO		IAML		06 18 06.9

TECO	Alcaldia de Te	2.86 310 i P	Pn	06 17 26.8 +0.7
TECO		IAML		06 17 28.0
SANTA	Santa Rosa	2.90 127 e P	Pn	06 17 27.5 +0.8
RIFO	Rio Frio, Sara	2.91 118 i P	Pn	06 17 27.5 +0.8
RIFO		IAML		06 17 34.6
RIFO	Rio Frio, Sara	2.91 118 e P	Pn	06 17 27.2 +0.5
HDC	Heredia 3	2.91 125 e P	Pn	06 17 27.5 +0.6
HDC	Heredia	2.91 125 e P	Pn	06 17 28.3 +1.4
HDC3	Heredia 3	2.92 125 i P	Pn	06 17 28.5 +1.5
HDC3		IAML		06 17 28.7
HDC3	Heredia 3	2.92 125 e P	Pn	06 17 28.4 +1.5
SCLA	Alcaldia de Sa	2.92 313 e P	Pn	06 17 28.6 +1.5
SCLA	Alcaldia de Sa	2.92 313 i P	Pn	06 17 28.7 +1.7
SCLA		IAML		06 17 29.0
UESV	Universidad de	2.92 311 i P	Pn	06 17 28.5 +1.5
UESV		IAML		06 17 28.9
ACOS	Acosta	3.00 129 e P	Pn	06 17 29.3 +1.2
CVIMO	Finca Echandi	3.04 123 e P	Pn	06 17 30.3 +1.6
PAVA	Las Pavas	3.08 311 e P	Pn	06 17 30.7 +1.5
PAVA	Las Pavas	3.08 311 i P	Pn	06 17 31.5
PAVA		IAML		06 18 13.5
OCM	Ochomogo	3.10 125 i P	Pn	06 17 30.7 +1.2
OCM		IAML		06 17 31.0
OCM	Ochomogo	3.10 125 e P	Pn	06 17 30.6 +1.1
LCR2	La Lucha 2	3.15 128 e P	Pn	06 17 31.0 +0.7
LCR2		IAML		06 17 31.3 +1.0
RAFA	San Rafael, Vo	3.18 123 e P	Pn	06 17 32.9 +2.1
RAFA	Turribals Voic	3.19 122 e P	Pn	06 17 32.2 +1.3
PANCS	Alcaldia de	3.21 306 i P	Pn	06 17 31.5 +0.6
PANCS		IAML		06 18 20.7
VTLO	VTLO	3.21 121 e P	Pn	06 17 32.3 +1.2
PARASO	Paraso	3.21 125 e P	Pn	06 17 32.9 +2.8
LOMA	Loma Larga	3.22 307 e P	Pn	06 17 32.4 +1.2
LOMA	Loma Larga	3.22 307 i P	Pn	06 17 32.3 +1.2
LOMA		IAML		06 18 14.4
VTLO	VTCV, Calle Va	3.24 122 i P	Pn	06 17 33.3 +1.9
VTCV		IAML		06 17 33.9
RIMA	Rio Macho	3.25 126 e P	Pn	06 17 32.4 +0.8
LALI	Alcaldia de L	3.25 303 i P	Pn	06 17 30.5 -0.9
IGN	Direccin Cen	3.26 308 i P	Pn	06 17 33.7 +2.1
IGN		IAML		06 18 14.9
SNET	Serv Nac Est T	3.29 307 e P	Pn	06 17 33.4 +1.4
UES	Universidad Ev	3.32 307 e P	Pn	06 17 34.2 +1.8
UES	Universidad Ev	3.32 307 i P	Pn	06 17 34.9 +2.5
UES		IAML		06 18 25.0
PMON	Piamonte	3.37 307 i P	Pn	06 17 34.9 +1.7
PMON		IAML		06 18 24.2
LLGN	La Laguna	3.39 316 i P	Pn	06 17 34.8 +1.4
LLGN		IAML		06 19 57.0
JAYA	Jayaque - finc	3.45 304 e P	Pn	06 17 36.1 +1.8
JAYA	Jayaque - finc	3.45 304 i P	Pn	06 17 36.1 +1.5
JAYA		IAML		06 18 18.6
CDM	Cerro de Muert	3.46 128 i P	Pn	06 17 36.2 +1.6
CDM		IAML		06 18 21.2
CDM	Cerro de Muert	3.46 128 e P	Pn	06 17 35.9 +1.2
BUSI	Rivas	3.47 128 e P	Pn	06 17 36.0 +1.2
BATAN	Batan	3.48 117 i P	Pn	06 17 36.5 +1.1
BATAN	Batan	3.48 117 i P	Pn	06 17 36.3 +1.8
BATAN		IAML		06 18 24.8
PEZE	Perez Zeledon,	3.63 129 i P	Pn	06 17 38.0 +1.4
PEZE	Perez Zeledon,	3.63 129 i P	Pn	06 17 38.7 +2.0
PEZE		IAML		06 18 25.6
PEZE	Perez Zeledon,	3.63 129 e P	Pn	06 17 38.7 +2.0
CEVE	Cerro Verde	3.69 305 e P	Pn	06 17 39.6 +2.1
CEVE	Cerro Verde	3.69 305 i P	Pn	06 17 39.6 +2.1
CEVE		IAML		06 18 37.0
UNIC	Universidad Ca	3.71 308 i P	Pn	06 17 39.8 +2.0
UNIC		IAML		06 18 25.5
OCHAL	Ojochal	3.84 132 i P	Pn	06 17 41.6 +2.2
OCHAL		IAML		06 17 43.4
MTOS	Montecristo	3.85 314 i P	Pn	06 17 41.1 +1.4
MTOS	Montecristo	3.85 314 i P	Pn	06 17 41.4 +1.6
MTOS	Montecristo	3.85 314 i P	Pn	06 17 41.3 +1.6
MTOS		IAML		06 17 41.9
NUBE	Las Nubes	3.85 305 e P	Pn	06 17 41.5 +1.7
NUBE		e S	Sn	06 18 23.3 -0.6
NUBE	Las Nubes	3.85 305 i P	Pn	06 17 41.4 +1.7
NUBE		IAML		06 17 42.5
ESQI	Esquipulas	3.94 316 i P	Pn	06 17 42.7 +1.8
ESQI	Esquipulas	3.94 316 i P	Pn	06 17 43.1 +2.2
ESQI		IAML		06 17 43.6
SRBA	San Rafael, Bu	3.97 128 Pn	Pn	06 17 42.2 +1.0
SRBA	San Rafael, Bu	3.97 128 i P	Pn	06 17 43.0 +1.7
SRBA		IAML		06 17 45.3
SRBA	San Rafael, Bu	3.97 128 e P	Pn	06 17 42.8 +1.6
PLAN	Los Planes de	4.12 137 i P	Pn	06 17 45.2 +2.0
PLAN		IAML		06 17 46.1
PIRO	Carate, Puerto	4.54 136 i P	Pn	06 17 51.4 +2.4
PIRO		IAML		06 17 52.8
GUNB	GUNB	4.70 308 i P	Pn	06 17 52.7 +1.3
GUNB		IAML		06 17 55.3
BRU2	Volcan	4.76 127 Pn	Pn	06 17 54.2 +2.1
BRU2	Volcan	4.76 127 i P	Pn	06 17 54.4 +2.3
BRU2		IAML		06 17 55.2
CDTO	Canoas	4.76 131 Pn	Pn	06 17 52.9 +1.0
APG	El Apazote	5.04 311 Pn	Pn	06 17 58.6 +2.6
RTAL	Retalhuleu	5.76 300 P	Pn	06 18 06.9 +1.3
RTAL	Retalhuleu	5.76 300 i P	Pn	06 18 08.3 +2.7
RTAL		IAML		06 18 13.0
RTAL	comp=Z,230nm,1.0s	Iamb	Iamb	06 18 15.0
HUEH	Huehuetenango	6.03 307 Pn	Pn	06 18 11.7 +2.3
PEIF	Flores	6.11 328 Pn	Pn	0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Cerro Pekin, San Cristobal, Conchagua, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Stephens Creek, Warramunga Arr, Alice Springs, etc.

SSNC 28 06:44:12.9, 1.6, 18:54N:74.13W, h7km, 13km, MD3.2, ML2.9, MW2.9

OSPL 28 06:44:11.8, 2.0, 18:70N:0.05:74.10W, h0km, 14km, ML2.7

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Polo, Las Mercedes, Mount Denham, etc.

SJA 28 06:44:42.3, 0.6, 20:15S:69.23W, h102km, 2km, ML4.0, MW3.9

IDC 28 06:44:43.9, 0.7, 20:18S:69.02W, h108km, 12km, mb3.2/5, mbmp3.7/9, Error ellipse: s-maj=25.5km s-min=9.1km az=97.0

GUC 28 06:44:43.9, 0.7, 20:18S:69.16W, h95km, 2km, ML4.0

NEIC 28 06:44:44.1, 2.0, 20:16S:0.008:69.21W, 0.07, h87km, 7km, mb4.1/8, Error ellipse: s-maj=9.6km s-min=1.3km az=89.0

VAO 28 06:44:43.2, 0.6, 20:16S:0.003:69.20W, 0.05, h95km, 5km, n89, r120/116, mb3.8/5, 10C, Northern Chile

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like San Pedro de A, IPOC Station P, etc.

comp=Z, 2.86nm, 0.2s

comp=Z, 6.3nm, 0.5s, baz=190, slow=6.7, SNR=52

comp=Z, 6.6nm, 0.5s, baz=282, slow=1.1, SNR=4.7

comp=Z, 2.0nm, 1.4s

comp=Z, 2.9nm, 1.4s

comp=Z, 1.8nm, 0.5s

comp=Z, 0.1nm, 0.8s, baz=5.9, slow=11, SNR=3.2

comp=Z, 1.8nm, 0.5s, baz=244, slow=9.4, SNR=4.9

comp=Z, 0.1nm, 0.6s

comp=Z, 4.3nm, 1.4s

comp=Z, 3.8nm, 1.5s

comp=Z, 0.2nm, 0.4s

comp=Z, 0.5nm, 0.6s, baz=126, slow=4.1, SNR=13

IDC 28 06:47:58.1, 7.5, 19:87S:176.41W, h0km, mb3.4/3, mbmp3.4/3, Error ellipse: s-maj=325.3km s-min=42.6km az=144.0, Fiji Islands region

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

JSO 28 06:50:21.3, 1.33N:35.56E, h7km, ML3.9/33, Mw3.7/33

GII 28 06:50:21.6, 0.4, 31:33N:0.02:35.54E, 0.007, h10km, mb4.0/14, Mw3.7, confirmed

SGS 28 06:50:27.6, 30.99N:35.45E, h16km, M1.4

GRN 28 06:50:29.4, 0.7, 31:82N:35.81E, h0km, 12km, MD3.6

ISC 28 06:50:21.5, 0.8, 31:34N:0.02:35.54E, 0.03, h15km, 4km, n98, r085/102, 13C-4D, Dead Sea region

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



28d 7h

Table with columns for station ID, name, elevation, and other data. Includes entries like P19K Oil Pt, ANCK Angle Creek, etc.

2018 APR

Table with columns for station ID, name, elevation, and other data. Includes entries like SML Sawmill, M23K Glacier View, etc.

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Table with columns for station ID, name, elevation, and other data. Includes entries like CAST Castle Rocks, R31K Castle Rocks, etc.

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like M31M Drury Creek, I26K Coal Creek, H23K Yukon River, etc.

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like F28M Old Crow, NIKH Nikolski High, F15K North Star, etc.

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like SHEM Shemya Is, J05D Fort Rock, L04D Klamath Falls, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station ID, and other parameters. Includes stations like W18A Petrified Fore, SDCO Great Sand Dun, KSCO Kaye Shedlock, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station ID, and other parameters. Includes stations like H11N2 WAKE ISLAND Hy, H11N3 WAKE ISLAND Hy, H11N1 WAKE ISLAND Hy, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station ID, and other parameters. Includes stations like MKAR Makanchi Array, KURBB Kurchatov Arra, CMAR Chiang Mai Arr, etc.

ADC 28 07:48:53.8.2.6.31°05N.79°96E, h0km, mb3.6/6, mbmp3.6/8, ML2.9/2, MS3.1/3, Error ellipse: s-maj=97.7km s-min=19.8km, az=66.0

ADC 28 07:59:54.7.3.3.53°43N.87°29E, h0km, mbtmp2.6/2, ML2.4/2, Error ellipse: s-maj=31.2km s-min=17.0km az=64.0, Southwestern Siberia

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
LALI	comp=Z,180nm,1.0s						
UEES	Universidad Ev	3.12 103	eP	Pn		08 13 37.9	-0.2
UEES	Universidad Ev	3.12 103	eS	Sn		08 14 12.3	-1.9
UEES	Universidad Ev	3.12 103	eS	Sn		08 13 38.4	+0.3
SNET	comp=Z,430nm,1.0s						
UTEC	Serv Nac Est T	3.13 103	iS	Sn		08 14 14.6	+0.1
UTEC	Universidad Te	3.15 103	iP	Pn		08 13 38.0	-0.6
IGN	comp=Z,570nm,1.0s						
IGN	Direccin Gen	3.18 102	iP	Pn		08 13 38.9	-0.1
IGN	Direccin Gen	3.18 102	iS	Sn		08 14 15.9	+0.1
UBDS	comp=Z,2µm,1.0s						
UBDS	Universidad Do	3.19 102	iP	Pn		08 13 38.5	-0.7
LOMA	comp=Z,620nm,1.0s						
LOMA	Loma Larga	3.20 104	eP	Pn		08 13 39.1	-0.2
LOMA	Loma Larga	3.20 104	eS	Sn		08 14 13.6	-2.6
LOMA	Loma Larga	3.20 104	iP	Pn		08 14 16.9	
LOMA	Loma Larga	3.20 104	iP	Pn		08 13 39.0	-0.2
PANCS	comp=Z,610nm,1.0s						
PANCS	Alcalda de	3.20 104	iP	Pn		08 13 38.8	-0.4
PANCS	Alcalda de	3.20 104	iP	Pn		08 14 17.5	
LLGN	comp=Z,2µm,1.0s						
LLGN	La Laguna	3.33 94	iP	Pn		08 13 40.2	-0.8
LLGN	La Laguna	3.33 94	iS	Sn		08 13 41.9	0.0
LLGN	La Laguna	3.33 94	iP	Pn		08 15 02.0	
UXUV	comp=Z,380nm,1.0s						
UXUV	UXUV	3.35 329	eP	Pn		08 13 42.0	+0.7
UXUV	UXUV	3.35 329	eS	Sn		08 14 18.8	-1.0
PAVA	Las Pavas	3.40 102	eP	Pn		08 13 41.0	-1.1
PAVA	Las Pavas	3.40 102	iP	Pn		08 13 41.0	-1.1
PAVA	Las Pavas	3.40 102	iP	Pn		08 14 41.8	
PETF	comp=Z,330nm,1.0s						
PETF	Flores	3.46 44	iP	Pn		08 13 41.7	-1.0
PETF	Flores	3.46 44	iP	Pn		08 14 46.8	
UESV	comp=Z,220nm,1.0s						
UESV	Universidad de	3.56 102	iP	Pn		08 13 45.5	+1.3
UESV	Universidad de	3.56 102	iP	Pn		08 14 45.6	
TECO	comp=Z,240nm,1.0s						
TECO	Alcaldia de Te	3.59 104	eP	Pn		08 13 43.7	-0.9
TECO	Alcaldia de Te	3.59 104	eS	Sn		08 14 22.8	-3.0
TECO	Alcaldia de Te	3.59 104	iP	Pn		08 13 43.7	-0.9
TECO	Alcaldia de Te	3.59 104	iP	Pn		08 14 33.9	
CMIG	comp=Z,150nm,1.0s						
CMIG	Matias Romero	3.59 318	eP	Pn		08 13 44.9	+0.3
CMIG	Matias Romero	3.59 318	eS	Sn		08 14 26.8	+1.0
SCLA	Alcaldia de Sa	3.60 101	eP	Pn		08 13 43.7	-1.1
SCLA	Alcaldia de Sa	3.60 101	eS	Sn		08 14 25.3	-0.8
SCLA	Alcaldia de Sa	3.60 101	iP	Pn		08 13 43.8	-1.0
SCLA	Alcaldia de Sa	3.60 101	iP	Pn		08 14 37.6	
PQSS	comp=Z,88nm,1.0s						
PQSS	Pres 15 de Se	3.78 102	iP	Pn		08 13 47.0	-0.1
PQSS	Pres 15 de Se	3.78 102	iP	Pn		08 14 34.4	
COEB	comp=Z,79nm,1.0s						
COEB	Comit de Er	3.84 103	eP	Pn		08 13 48.2	+0.1
COEB	Comit de Er	3.84 103	eS	Sn		08 14 29.9	-2.1
COEB	Comit de Er	3.84 103	iP	Pn		08 14 36.2	
COEB	Comit de Er	3.84 103	iP	Pn		08 13 47.4	-0.6
COEB	Comit de Er	3.84 103	iP	Pn		08 14 35.9	
HUIG	comp=Z,170nm,0.4s						
HUIG	Huatulco	3.85 291	eP	Pn		08 13 47.4	-0.8
HUIG	Huatulco	3.85 291	eS	Sn		08 14 25.8	-6.4
IZABA	comp=Z,190nm,1.0s						
IZABA	Izabal, Puerto	3.88 70	iP	Pn		08 13 47.9	-0.6
IZABA	Izabal, Puerto	3.88 70	iP	Pn		08 15 39.4	
PACA	comp=Z,3.1µm,1.0s						
PACA	Pacayal	4.04 103	iP	Pn		08 13 51.9	+1.1
PACA	Pacayal	4.04 103	iP	Pn		08 14 42.4	
RANC	comp=Z,1710nm,1.0s						
RANC	El Ranchito	4.08 103	iP	Pn		08 13 52.1	+0.7
RANC	El Ranchito	4.08 103	iP	Pn		08 14 56.1	
JUCU	comp=Z,140nm,1.0s						
JUCU	Jucuarjn	4.17 106	eP	Pn		08 13 51.3	-1.2
JUCU	Jucuarjn	4.17 106	eS	Sn		08 14 36.5	-3.5
JUCU	Jucuarjn	4.17 106	iP	Pn		08 14 40.9	
JUCU	Jucuarjn	4.17 106	iP	Pn		08 13 52.0	-0.5
JUCU	Jucuarjn	4.17 106	iP	Pn		08 14 40.8	
LCND	comp=Z,140nm,1.0s						
LCND	La Caada	4.49 104	eP	Pn		08 13 56.1	-0.8
LCND	La Caada	4.49 104	eP	Pn		08 14 51.0	
CNCH	comp=Z,189nm,0.3s						
CNCH	Conchagua	4.55 104	iP	Pn		08 13 57.2	-0.6
CNCH	Conchagua	4.55 104	iP	Pn		08 14 54.9	
NEUV	comp=Z,710nm,1.0s						
NEUV	Arroyo Zacate	4.65 315	eP	Pn		08 14 00.1	+1.1
NEUV	Arroyo Zacate	4.65 315	eS	Sn		08 14 46.2	-5.6
SCIG	comp=Z,2µm,1.0s						
SCIG	Sabancuy	4.66 14	eP	Pn		08 13 58.1	-1.1
SCIG	Sabancuy	4.66 14	eS	Sn		08 14 46.8	-5.2
AMPH	comp=Z,150nm,1.0s						
AMPH	Amapala	4.71 103	eP	Pn		08 13 59.3	-0.6
PEIG	comp=Z,150nm,1.0s						
PEIG	Puerto Escondi	4.87 289	eP	Pn		08 14 02.1	-0.1
PEIG	Puerto Escondi	4.87 289	eS	Sn		08 14 44.9	-1.3
PMUV	comp=Z,150nm,1.0s						
PMUV	Sontecomapan	4.88 328	eP	Pn		08 14 07.7	+5.4
PMUV	Sontecomapan	4.88 328	eS	Sn		08 14 56.3	-1.2
TGUH	comp=Z,150nm,1.0s						
TGUH	Tegucigalpa,Un	4.95 94	iP	Pn		08 14 03.0	-0.4
TGUH	Tegucigalpa,Un	4.95 94	iP	Pn		08 15 42.2	
VHO	comp=Z,44nm,1.0s						
VHO	Vista Hermosa	4.96 303	eP	Pn		08 14 08.7	+5.1
VHO	Vista Hermosa	4.96 303	eS	Sn		08 14 59.2	-0.6
CRIN	comp=Z,2µm,1.0s						
CRIN	San Cristobal	5.45 108	iP	Pn		08 14 10.1	0.0
CRIN	San Cristobal	5.45 108	iP	Pn		08 14 17.8	
CRIN	San Cristobal	5.45 108	iV	Pn		08 15 27.1	
PKGN	comp=Z,220nm,1.0s						
PKGN	Cerro Pekin	5.52 108	iP	Pn		08 14 10.2	-0.9
PKGN	Cerro Pekin	5.52 108	iP	Pn		08 14 18.0	
PKGN	Cerro Pekin	5.52 108	iV	Pn		08 15 20.9	
YOIG	comp=Z,210nm,1.0s						
YOIG	Yosondua	5.54 297	eP	Pn		08 14 14.1	+2.4
YOIG	Yosondua	5.54 297	eS	Sn		08 15 10.9	-3.3
PACN	comp=Z,150nm,1.0s						
PACN	AI O del Volca	5.75 109	iP	Pn		08 14 10.7	-3.5
TOIG	comp=Z,150nm,1.0s						
TOIG	Toxpalan	5.80 310	eP	Pn		08 14 17.0	+2.0
TOIG	Toxpalan	5.80 310	eS	Sn		08 15 17.6	-2.8
CNGA	comp=Z,1µm,1.0s						
CNGA	AI SSO del Vol	5.83 109	iP	Pn		08 14 13.8	-1.6
CNGA	AI SSO del Vol	5.83 109	iP	Pn		08 14 27.0	
CNGA	AI SSO del Vol	5.83 109	iV	Pn		08 15 28.4	
CNGN	comp=Z,63nm,1.0s						
CNGN	Cerro Negro	5.84 108	iP	Pn		08 14 14.7	-0.7
CNGN	Cerro Negro	5.84 108	iP	Pn		08 15 26.3	
PNIG	comp=Z,94nm,1.0s						
PNIG	Pinotepa	5.89 290	eP	Pn		08 14 16.8	+0.6
PNIG	Pinotepa	5.89 290	eS	Sn		08 15 10.9	-1.1
TXIG	comp=Z,150nm,1.0s						
TXIG	Tlaxiaco	5.91 299	eP	Pn		08 14 18.5	+1.9
TXIG	Tlaxiaco	5.91 299	eS	Sn		08 15 20.1	-3.2
COPN	comp=Z,150nm,1.0s						
COPN	Copaltepe	6.05 111	iP	Pn		08 14 16.9	-1.4
COPN	Copaltepe	6.05 111	iP	Pn		08 14 20.8	
MOM2	comp=Z,56nm,1.0s						
MOM2	El Cardon	6.05 108	iP	Pn		08 14 17.4	-1.0
MOM2	El Cardon	6.05 108	iP	Pn		08 15 40.7	
TPIG	comp=Z,34nm,1.0s						
TPIG	Tehuacan	6.23 310	eP	Pn		08 14 23.7	+2.8
TPIG	Tehuacan	6.23 310	eS	Sn		08 15 26.1	-4.7
HLIG	comp=Z,150nm,1.0s						
HLIG	Huajuapán de L	6.23 304	eP	Pn		08 14 21.5	+0.6
HLIG	Huajuapán de L	6.23 304	eS	Sn		08 15 27.7	-3.9
JAUU	comp=Z,150nm,1.0s						
JAUU	Jalcomulco	6.50 320	eP	Pn		08 14 22.5	-2.0
JAUU	Jalcomulco	6.50 320	eS	Sn		08 15 30.5	-6.8
FTIG	comp=Z,150nm,1.0s						
FTIG	Fresnillo de T	6.53 303	eP	Pn		08 14 27.3	+2.3
FTIG	Fresnillo de T	6.53 303	eS	Sn		08 15 26.0	-1.2
MGIG	comp=Z,150nm,1.0s						
MGIG	Malinaltepec	6.65 296	eP	Pn		08 14 28.9	+2.3
MGIG	Malinaltepec	6.65 296	eS	Sn		08 15 30.1	-1.1
TLIG	comp=Z,150nm,1.0s						
TLIG	Tlaxiaco	6.73 298	eP	Pn		08 14 29.2	+1.5
TLIG	Tlaxiaco	6.73 298	eS	Sn		08 15 42.7	-0.5
CRIG	comp=Z,150nm,1.0s						
CRIG	Cruz Grande	6.91 290	eP	Pn		08 14 31.1	+0.9
CRIG	Cruz Grande	6.91 290	eS	Sn		08 15 30.5	-1.7
HZTE	comp=Z,150nm,1.0s						
HZTE	Horizontes, Gu	7.57 118	iP	Pn		08 14 39.8	+0.6</

Table with columns for station code, name, time, and status. Includes entries like JAR Soyaes, JSE Kamakawa 2, JKA Kamikawa-asahi, etc.

Table with columns for station code, name, time, and status. Includes entries like KS19 Wonju Array Si, KSAR Wonju Array Be, KSJU Wonju Array Be, etc.

Table with columns for station code, name, time, and status. Includes entries like C16K Lisburne Hills, L15K Unsko Mounta, K15K Wolf Creek Mou, etc.



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O19K	Port Alsworth	36.99	44	P	P	09 22 18.9	-0.7
I20K	Naaghedeneel	37.03	37	P	P	09 22 19.1	-0.8
K20K	Telida	37.12	39	P	P	09 22 20.0	-0.8
J20K	Nowinta River	37.13	38	Iamb	Iamb	09 22 22.8	
J20K	Nowinta River	37.13	38	P	P	09 22 20.4	-0.4
L20K	Farewell, AK	37.19	41	P	P	09 22 20.2	-1.1
SII	Sitkinak Islan	37.33	50	P	P	09 22 21.9	-0.7
Q19K	Cape Douglas,	37.40	47	P	P	09 22 22.4	-0.8
IMAR	Indian Mountai	37.44	35	P	P	09 22 24.4	+1.1
C21K	Knikfledale Rid	37.48	30	P	P	09 22 23.1	-0.6
M20K	Styx River	37.53	42	P	P	09 22 24.3	-0.1
P19K	Oli Pt	37.56	45	P	P	09 22 24.2	-0.3
G21K	Allakaket	37.59	34	Iamb	Iamb	09 22 26.5	
G21K	Allakaket	37.59	34	P	P	09 22 24.3	-0.3
B21K	Ikpik River	37.63	29	P	P	09 22 24.7	-0.3
F21K	Alatna River	37.67	33	P	P	09 22 25.0	-0.3
H21K	Melozitna River	37.80	35	P	P	09 22 26.5	+0.1
A22K	Sinclair Lake	37.80	27	P	P	09 22 26.5	+0.2
O20K	Slope Mountain	37.84	45	P	P	09 22 27.2	+0.3
CHUM	Lake Minchumini	37.92	38	P	P	09 22 26.8	-0.6
PPLA	Purkeypile	37.97	40	P	P	09 22 28.1	+0.1
N20K	Mount Spurr	37.99	43	P	P	09 22 28.7	+0.5
CAST	Castle Rocks	38.02	39	P	P	09 22 28.5	+0.2
KDAK	Kodiak Island	38.06	48	P	P	09 22 28.8	+0.2
KDAK	Kodiak Island	38.06	48	i P	pmax	09 22 26.1	-2.6
Q20K	Shuyak Island	38.07	47	P	P	09 22 28.3	-0.5
I21K	Tanana	38.11	36	P	P	09 22 29.1	0.0
B22K	Teshkepuuk Lake	38.17	28	P	P	09 22 29.7	+0.3
D22K	Aiyikay River	38.19	30	Iamb	Iamb	09 22 32.6	
D22K	Aiyikay River	38.19	30	P	P	09 22 30.4	+0.8
F22K	John River	38.20	32	P	P	09 22 30.1	+0.2
HOM	Homier	38.37	45	P	P	09 22 31.5	+0.2
H22K	Ishlatalina Cre	38.40	35	P	P	09 22 31.2	-0.2
E22K	Anaktuvuk Pass	38.41	31	P	P	09 22 31.1	-0.5
G22K	Bettles	38.41	33	P	P	09 22 31.9	+0.4
BPAP	Bear Paw Mtn.	38.51	38	Iamb	Iamb	09 22 34.4	
BPAP	Bear Paw Mtn.	38.51	38	P	P	09 22 32.1	-0.4
CAPN	Captain Cook N	38.53	43	P	P	09 22 32.5	0.0
MLY	Manley	38.63	37	P	P	09 22 33.0	-0.4
SUA	Susitna One	38.69	42	P	P	09 22 33.9	-0.1
NRUK	Noril'sk	38.77	330	i P	pmax	09 22 32.0	-2.5
BRSE	Bradley Lake S	38.81	45	P	P	09 22 35.0	0.0
TRF	Thorofare Moun	38.82	39	Iamb	Iamb	09 22 38.0	
TRF	Thorofare Moun	38.82	39	P	P	09 22 34.8	-0.4
CUT	Chulitna	38.87	41	P	P	09 22 35.7	+0.4
D23K	Nanushuk River	38.91	30	P	P	09 22 35.6	-0.1
COLD	Coldfoot	38.95	33	P	P	09 22 36.0	0.0
G23K	Bananza Creek	38.99	34	Iamb	Iamb	09 22 38.3	
G23K	Bananza Creek	38.99	34	P	P	09 22 36.0	-0.4
C23K	Iklikik River	39.04	29	Iamb	Iamb	09 22 37.9	
C23K	Iklikik River	39.04	29	P	P	09 22 36.2	-0.5
H23K	Yukon River	39.15	35	Iamb	Iamb	09 22 40.0	
H23K	Yukon River	39.15	35	P	P	09 22 37.7	-0.1
RC01	Rabbit Creek A	39.20	43	P	P	09 22 37.7	-0.5
I23K	Minto, Yukon-K	39.22	36	P	P	09 22 37.3	-0.9
E23K	Chandalar	39.22	32	P	P	09 22 37.6	-0.8
O22K	Cooper Landing	39.25	44	P	P	09 22 37.5	-1.1
TOLK	Toolik Lake Re	39.28	31	P	P	09 22 38.2	-0.6
NEA2	Nenana	39.34	37	Iamb	Iamb	09 22 41.1	
NEA2	Nenana	39.34	37	P	P	09 22 38.7	-0.6
MCK	Mckinley	39.42	39	P	P	09 22 40.5	+0.5
SEW	Secward	39.42	44	P	P	09 22 39.6	-0.4
PMR	Palmer	39.45	42	P	P	09 22 40.7	+0.5
RND	Reindeer	39.47	39	Iamb	Iamb	09 22 41.6	
D24K	Happy Valley	39.60	30	P	P	09 22 41.1	-0.2
WAT1	Susitna Watana	39.64	40	P	P	09 22 41.4	-0.4
C24K	Franklin Bluff	39.69	29	P	P	09 22 42.4	+0.4
MDM	Murphy Dome	39.70	37	Iamb	Iamb	09 22 44.2	
WRH	Wood River Hill	39.77	37	P	P	09 22 44.2	+1.3
KNK	Knik Glacier	39.78	42	Iamb	Iamb	09 22 45.1	
KNK	Knik Glacier	39.78	42	P	P	09 22 42.8	-0.3
SML	Sawmill	39.81	42	P	P	09 22 42.9	-0.4
H24K	Noodor Dome	39.84	35	Iamb	Iamb	09 22 45.7	
H24K	Noodor Dome	39.84	35	P	P	09 22 44.0	+0.6
F24K	Squaw Lake	39.85	33	P	P	09 22 43.7	+0.1
COLA	College	39.86	37	P	P	09 22 45.2	+1.6
COLA	College	39.86	37	Iamb	Iamb	09 22 45.5	
COLA	College	39.86	37	P	P	09 22 43.6	+0.1
COLA	College	39.86	37	P	P	09 22 45.2	+1.6
G24K	Hadweenic Riv	40.00	34	Iamb	Iamb	09 22 47.0	
G24K	Hadweenic Riv	40.00	34	P	P	09 22 45.3	+0.5
WAT6	Susitna Watana	40.03	40	P	P	09 22 45.2	0.0
POKR	Poker Plat Res	40.03	36	P	P	09 22 45.3	+0.3
M23K	Glacier View	40.10	42	P	P	09 22 45.6	-0.1

DHY	Denali Highway	40.16	40	P	P	09 22 46.1	-0.1
HDA	Harding Lake	40.27	37	Iamb	Iamb	09 22 48.0	
HDA	Harding Lake	40.27	37	P	P	09 22 47.2	+0.3
IL31	comp=Z,9.4nm,1.1s	40.28	37	Iamb	Iamb	09 22 48.4	
ILAR	Eielson Array	40.28	37	P	P	09 22 48.2	+1.2
ILAR	Eielson Array	40.28	37	P	P	09 22 47.1	+0.1
SCM	Sheep Creek Mo	40.28	41	Iamb	Iamb	09 22 48.2	+1.2
SCM	Sheep Creek Mo	40.28	41	P	P	09 22 47.1	-0.1
D25K	Kavik River	40.48	30	P	P	09 22 48.5	-0.2
GLI	Glacier Island	40.50	43	P	P	09 22 49.4	+0.5
G25K	Bearman Lake	40.55	34	P	P	09 22 48.9	-0.3
H25L	Birch Creek	40.67	35	P	P	09 22 49.5	-0.7
F25K	Christian River	40.72	33	P	P	09 22 51.2	+0.5
E25K	Arc Village	40.74	32	P	P	09 22 51.5	+0.6
M24K	Tolsona, Glenn	40.80	41	P	P	09 22 50.8	-0.6
PRP	Porcupine Dome	40.82	36	Iamb	Iamb	09 22 53.5	
PRP	Porcupine Dome	40.82	36	P	P	09 22 51.6	0.0
K24K	Donnelly Dome	40.82	38	P	P	09 22 51.5	0.0
FYU	Fort Yukon	40.90	34	Iamb	Iamb	09 22 54.5	
J25K	Salcha River,	40.94	37	P	P	09 22 51.8	-0.7
KLU	Klutina	40.99	42	Iamb	Iamb	09 22 54.9	
KLU	Klutina	40.99	42	P	P	09 22 53.0	-0.1
C26K	Carsten Bay	41.01	29	P	P	09 22 52.3	-0.7
ZAAO	Zalesovo Array	41.02	306	P	P	09 22 53.8	+0.6
ZALV	Zalesovo Beam	41.02	306	P	P	09 22 52.0	-1.2
ZALV	Zalesovo Beam	41.02	306	P	P	09 24 51.1	-2.2
ZALV	comp=Z,0.5nm,0.3s,baz=58,slow=7.0,SNR=2.8	41.02	306	PcP	PcP	09 24 51.1	+0.5
ZALV	comp=Z,1.1nm,0.4s,baz=68,slow=3.3,SNR=5.1	41.02	306	ScP	ScP	09 28 28.7	+0.1
PAX	Paxson	41.09	40	P	P	09 22 53.0	-0.4
Q23K	Middleton Isla	41.07	45	P	P	09 22 53.7	+0.1
BMAR	Burd Mountain	41.13	33	P	P	09 22 55.8	+1.8
EYAK	Cordova Ski Ar	41.20	43	P	P	09 22 54.3	-0.3
HARP	HARP	41.24	40	P	P	09 22 54.6	-0.3
PZH	PanZhiHua	41.27	260	P	P	09 22 57.5	+1.7
PZH	comp=Z,10.0nm,0.6s	41.27	260	pmax	pmax		
F26K	Sheenik River	41.29	32	P	P	09 22 55.7	+0.3
C27K	Jag River	41.42	29	P	P	09 22 56.5	+0.1
G26K	Porcupine River	41.45	33	P	P	09 22 56.0	-0.6
SCRK	Sand Creek	41.59	38	Iamb	Iamb	09 22 58.9	
SCRK	Sand Creek	41.59	38	P	P	09 22 57.1	-0.8
N25K	Chitina, Valde	41.60	42	P	P	09 22 56.8	-1.2
BMRM	Bremner River	41.69	43	P	P	09 22 57.3	-1.4
J26L	Joseph Creek	41.72	37	P	P	09 22 58.2	-0.8
I26K	Coal Creek Min	41.82	36	P	P	09 22 59.2	-0.4
MENT	Mentasta	41.83	40	Iamb	Iamb	09 23 01.9	
KAIM	Kayak Island	41.95	44	P	P	09 23 00.4	-0.4
L26K	Log Cabin Wild	41.99	39	Iamb	Iamb	09 23 03.5	
L26K	Log Cabin Wild	41.99	39	P	P	09 23 00.1	-0.9
VRDI	Verde Repeater	42.20	42	Iamb	Iamb	09 23 05.1	
E27K	Coleen River	42.23	32	P	P	09 23 01.9	-1.1
M26K	Nabesna, AK	42.23	40	P	P	09 23 02.7	-0.4
G27K	Doyon Strip	42.30	34	P	P	09 23 03.8	+0.2
MCARA	McCarthy VSAT	42.38	42	Iamb	Iamb	09 23 09.1	
MCARA	McCarthy VSAT	42.38	42	P	P	09 23 04.7	+0.5
D27M	Malcolm River	42.40	30	P	P	09 23 04.7	+0.3
H27K	Steamboat Moun	42.41	34	P	P	09 23 05.1	+0.6
K27K	Chicken	42.42	38	P	P	09 23 05.0	+0.5
WMQJ	Urumqi	42.43	291	eP	pmax	09 23 06.8	+1.8
WMQJ	comp=Z,30nm,0.7s	42.43	291	pmax	pmax		
L27K	Beaver Creek,	42.67	39	P	P	09 23 07.7	+1.1
EGAR	Beaver Creek A	42.69	39	Iamb	Iamb	09 23 09.0	+2.2
EGAK	Eagle	42.72	37	P	P	09 23 07.4	+0.5
M27K	Edge Creek, AK	42.76	40	P	P	09 23 07.3	+1.8
M27K	Edge Creek, AK	42.76	40	Iamb	Iamb	09 23 10.0	
ISLE	Juniper Island	42.85	43	Iamb	Iamb	09 23 10.2	
F28M	Old Crow	42.92	32	Iamb	Iamb	09 23 10.9	
F28M	Old Crow	42.92	32	P	P	09 23 08.6	+0.1
E28M	Babbage River	42.96	31	P	P	09 23 09.4	+0

Table with columns: Call Sign, Frequency, Mode, Power, Date/Time, and other parameters. Includes stations like V35K, T35M, W35M, D15B, WRGLY, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Date/Time, and other parameters. Includes stations like EGMT, CMB, HLID, YERR, WRO, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Date/Time, and other parameters. Includes stations like SRU, TPFO, BELC, 109C, etc.





Table with columns: ARK, baz, elevation, station, and coordinates. Includes stations like MRKS, EKS2, BTLS, USP, SGDS, AAK, CHMS, UCH, ARLS, KRBBS, KRB2, TKM2, DGS, KTBS, TNSS, BLB.

SNET 28 10:50:18.5,0.8, 12.39N, 89.33W, h15km, 15km, ML3.3
IDC 28 10:50:20.7, 1.5, 13.74N, 88.14W, h0km, mb3.6/4,
mbmp3.6/6, ML2.6/3, MS2.9/1, Error ellipse: s-maj=53.5km
s-min=20.7km az=41.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PANCS, TECO, LOMA, JAYA, SNET, PMON, UESV, COEB, BOQS, PAVA, JUCU, SCLA, POSS, RANC, PACA, CEVE, SBLS, LOAL, CNCH, SLOZ, AMPH, MTO3.

Table with columns: Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ESQI, CRIN, PKGN, HERN, TGUH, CNGA, COPN, MOMN, MOM2, APG, HZTE, ORTG, JTS, CDM, SRBA, PLAN, CMIG, TXAR, TKL, NVAR, ULM, YKA, WRA, CMAR.

HEL 28 11:11:16.7, 0.2, 61.52N, 30.18E, h0km, ML1.8, Explosion
IDC 28 11:11:19.5, 2.3, 61.62N, 29.85E, h0km, mbmp2.9/3,
ML2.2/3, Error ellipse: s-maj=23.3km s-min=9.5km
az=144.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like RUF, JOF, VJF, VAF, FIAO, FINES, NIF, NUF, SUF, PUF, KEF, RMF, RNF, NUR, ARBE, MEF, MEF, OUF, VAF, OBFA, OUL, RAF, KUF, MTO3, HFS.

Table with columns: Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like HFS, ARCES, I37NO, NOA.

SOME 28 11:16:15.6, 39.38N, 72.20E, h5km
KRNET 28 11:16:17.2, 0.1, 39.34N, 72.32E, h14km, mb3.4
NNC 28 11:16:23.6, 4.3, 39.61N, 72.26E, h0km, mb4.0, mpv3.8,
Error ellipse: s-maj=35.2km s-min=20.3km az=16.0
ISC 28 11:16:20.2, 1.2, 39.50N, 0.06E, h10km, n39,
c251/68, 22C-15D, Kyrgyzstan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like DRK, SFK, OHH, BTK, ARSB, TRKS, ARK, ARLS, MNAS, IUG, IUG, MRKS, MRKS, DZA, AAK, AAK, FRU1, FRU1, KK31, KKAR, CHMS, BOOM, BOOM, TKM2, SGDS, SGDS, KST, KST, KST, DGS, DGS, TARG, TARG, MTBS, MTBS, KRBS, KRBS, TNSS, TNSS, MDOK, MDOK, MDOK, MDOK, KOTS, KOTS, KTBS, KTBS, MTBS, MTBS, CHHK, CHHK.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VAF Hemsoen, HEMU FINESS Array B, FINES, NOA NORARS Array B, etc.

12C 28 12:18:38.1+1.0, 28.30N-51.60E, h0km, mb4.0/17, mbmp4.0/19, ML3.7/2, MS3.0/7, Error ellipse: s-maj=24.1km s-min=17.8km az=26.0

NEIC 28 12:18:40.1+1.6, 28.28N-51.62E, h10km, mb4.2/19, Error ellipse: s-maj=13.7km s-min=7.6km az=264.0

TEH 28 12:18:40.7, 28.29N-51.58E, h20km, 49km, ML3.8, OMAN 28 12:18:42.0, 28.28N-51.73E, h14km, mb4.3/14, mb3.9/14, ms2.6/2, Error ellipse: s-maj=4.3km s-min=3.1km az=175.0

DSN 28 12:18:43.9, 1.7, 28.12N-51.63E, h15km, ML3.5/13, Error ellipse: s-maj=23.4km s-min=8.4km az=2.0

NAO 28 12:19:20.4, 31.89N-48.04E, h33km, mb3.8, ISC 28 12:18:40.0, 28.34N-51.67E, h10km, n125, a191/174, mb4.1/25, MS3.0/5, Southern IR

Main table of station data for the left column, including codes like DSBU, KAZZ, LMD1, JHRM, SHMA, etc.

Main table of station data for the middle column, including codes like JASK, JASK, SOHO, SOHO, SOHO, etc.

Main table of station data for the right column, including codes like JDC, NIED, JMA, ISC, etc.

28d 12h

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Table with columns: STKA, Name, Date, Time, Location, Status, etc. Includes entries like STKA, DZM, FORT, JOW, JHJ, etc.

Table with columns: Name, Date, Time, Location, Status, etc. Includes entries like R16K, CHIR, ARSB, N15K, M15K, etc.

Table with columns: Name, Date, Time, Location, Status, etc. Includes entries like J20K, SKT, B18K, I20K, PPLA, etc.



Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like J25K, F24K, C23K, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like F31M, R33M, T35M, etc.

DC 28 13:1:04.25-1.36°40N:71.29E, h176km, 39km, mb3.2/6, mbtmp3.7/10, MS2.7/2, Error ellipse: s-maj=49.0km

NNC 28 13:1:14.51-1.8.37°17N:71.29E, h236km, 35km, mb2.4, mbtmp3.5/11, Error ellipse: s-maj=22.1km s-min=11.4km

ISC 28 13:1:02.9-1.9.36°40N:72.11E:0.1, h150km, n17, c185/18, mb3.6/5, 1C-5D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like KK31, AAK, AAK, etc.

NOU 28 13:24:32.1, 14.73S: 167.47E, h115km, mb4.3/12, Vanuatu Islands

NEIC 28 13:24:33.1-2.3.14°8S:0.1x167°4E:0.2, h124km, 7km, mb4.4/22, Error ellipse: s-maj=21.1km s-min=15.6km

DC 28 13:24:34.3-3.1.14°87S:167.41E, h139km, 25km, mb3.9/12, mbtmp4.2/13, MS3.6/3, Error ellipse: s-maj=24.6km s-min=15.4km az=80.0

ISC 28 13:24:33.1-0.6.14.86S:0.08:167.4E:0.1, h129km, n64, c150/66, mb4.3/19, 4C, Vanuatu Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like LIFNC, KOUNC, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like VVDA, SBA, CASV, etc.

DC 28 13:33:44.3-0.3.6°S:4°12'BE, h376km, 7km, M4.5/11, mb4.5/11, mb5.0/7, MLV4.7/11, Mw(MB)4.3/7

DC 28 13:33:44.1-2.3.5.90S: 127.84E, h383km, 28km, mb3.4/10, mbtmp4.2/12, Error ellipse: s-maj=30.5km s-min=15.0km az=64.0

NEIC 28 13:33:44.5-1.4.5.9S:0.1x127°82E:0.03, h388km, 10km, mb4.1/16, Error ellipse: s-maj=14.7km s-min=4.4km az=185.0

ISC 28 13:33:44.6-0.5.5.96S:0.06x127°80E:0.07, h400km, n63, c18/117, mb4.0/16, Banda Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like BNDI, SAUI, SAUI, etc.

DC 28 13:33:44.3-0.3.6°S:4°12'BE, h376km, 7km, M4.5/11, mb4.5/11, mb5.0/7, MLV4.7/11, Mw(MB)4.3/7

DC 28 13:33:44.1-2.3.5.90S: 127.84E, h383km, 28km, mb3.4/10, mbtmp4.2/12, Error ellipse: s-maj=30.5km s-min=15.0km az=64.0

NEIC 28 13:33:44.5-1.4.5.9S:0.1x127°82E:0.03, h388km, 10km, mb4.1/16, Error ellipse: s-maj=14.7km s-min=4.4km az=185.0

ISC 28 13:33:44.6-0.5.5.96S:0.06x127°80E:0.07, h400km, n63, c18/117, mb4.0/16, Banda Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like BNDI, SAUI, SAUI, etc.

28d 14h

Table with columns: BOOM, BOOM, ZAAO, ZAAO, ZALV, ZALV, KURBB, KURBB, KURK, KURK, BVAR, BVAR, TIXI, TIXI, TORD, TORD. Includes station names, coordinates, and status.

IDC 28 14:11:40.2-2.0, 59.73N: 153.52W, h93km, 27km, mb3.7/2, mbmp3.9/7, Error ellipse: s-maj=29.5km s-min=17.2km az=107.0
NEIC 28 14:11:41.9-0.9, 59.73N: 0.04:153.21W: 0.09, h110km, 5km, Error ellipse: s-maj=6.6km s-min=5.2km az=90.0
AEIC 28 14:11:43.3-1.4, 59.72N: 0.04:153.24W: 0.09, h103km, 5km, ML3.3, mb3.8/2(NEIC), ML3.5/158(NEIC), Error ellipse: s-maj=6.5km s-min=5.3km az=80.0
ISC 28 14:11:41.7-0.8, 59.72N: 0.04:153.22W: 0.04, h115km, 6km, n452, c0569/435, Southern Alaska

Main table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists various stations like Oil Pt, Iliamna South, Augustine Lava, etc.

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Main table with columns: O17K, O17K, KDAK, KDAK, KDAK, KDAK, CNCT, CNCT, Q17K, Q17K, Q16K, Q16K, FIS, FIS, SUA, SUA, N17K, N17K, M20K, M20K, M18K, M18K, RC01, RC01, M19K, M19K, M19K, M19K, SKT, SKT, SKT, SKT, O16K, O16K, OHAK, OHAK, OHAK, OHAK, P16K, P16K, M22K, M22K, PLK3, PLK3, L19K, L19K, M17K, M17K, M17K, M17K, PMR, PMR, PMR, PMR, L20K, L20K, N16K, N16K, KNK, KNK, KNK, KNK, GHO, GHO, L18K, L18K, CUT, CUT, M16K, M16K, M16K, M16K, R16K, R16K, R16K, R16K, SML, SML, SML, SML, SII, SII, SII, SII, PPLA, PPLA, PPLA, PPLA, GLI, GLI, GLI, GLI, M23K, M23K, M23K, M23K, O15K, O15K, O15K, O15K, HIN, HIN, HIN, HIN, L17K, L17K, L17K, L17K, N15K, N15K, N15K, N15K, TTA, TTA, TTA, TTA, Q23K, Q23K, Q23K, Q23K, MID, MID, MID, MID, MID, MID, FID, FID, SCM, SCM, SCM, SCM, K20K, K20K, K20K, K20K, CAST, CAST.

1800

Main table with columns: CAST, CAST, WAT7, WAT7, EYAK, EYAK, EYAK, EYAK, WAT1, WAT1, M15K, M15K, M15K, M15K, K17K, K17K, K17K, K17K, WAT6, WAT6, WAT6, WAT6, DIV, DIV, TRF, TRF, TRF, TRF, TRF, TRF, TRF, TRF, TRF, TRF, KTH, KTH, KTH, KTH, KLU, KLU, KLU, KLU, J18K, J18K, O14K, O14K, O14K, O14K, M24K, M24K, M24K, M24K, CHUM, CHUM, RND, RND, RND, RND, N14K, N14K, N14K, N14K, GOAT, GOAT, RAGM, RAGM, DHY, DHY, DHY, DHY, J19K, J19K, J19K, J19K, KAIM, KAIM, KAIM, KAIM, KAIM, KAIM, BMRM, BMRM, BMRM, BMRM, M14K, M14K, M14K, M14K, M14K, M14K, J20K, J20K, J20K, J20K, M20K, M20K, M20K, M20K, L15K, L15K, BPAW, BPAW, BPAW, BPAW, HMT, HMT, HMT, HMT, N25K, N25K, N25K, N25K, N25K, N25K, N25K, N25K, N25K, N25K, SUCK, SUCK, SUCK, SUCK, K15K, K15K, K15K, K15K, BWN, BWN, BWN, BWN, BERN, BERN, WACK, WACK, GLB, GLB, GLB, GLB, WASW, WASW, L14K, L14K, L14K, L14K, L14K, L14K, L14K, L14K, L14K, L14K, PAX, PAX, GRIN, GRIN, BGLC, BGLC, BGLC, BGLC, J16K, J16K, J16K, J16K, KHIT, KHIT, VRDI, VRDI, VRDI, VRDI.

VRDI	comp=N,48nm,0.5s	IAML		14 13 53.3
I20K	comp=E,33nm,0.5s		Pn	14 12 56.8 +0.6
I20K	Naaghedeneel comp=N,25nm,1.5s	IAML		14 13 40.0
I20K	comp=E,36nm,1.0s	IAML		14 14 36.0
I20K	Naaghedeneel comp=N,25nm,1.5s	P	Pn	14 12 56.4 +0.3
SNH	Sunshine Point	Pn		14 12 58.4 +0.6
SNH	Sunshine Point	IAML		14 13 57.8
SNH	comp=N,39nm,0.5s	IAML		14 13 57.9
WAX	Waxell Ridge	Pn		14 12 57.0 -0.8
NEA2	Nenana	Pn		14 12 57.9 -0.2
NEA2	comp=E,9.5nm,0.5s	IAML		14 14 01.7
NEA2	comp=N,6.9nm,0.9s	IAML		14 14 08.6
NEA2	Nenana	P	Pn	14 12 57.8 -0.2
MCARA	McCarthy VSAT	Pn		14 12 58.4 -0.1
MCARA	McCarthy VSAT	Pn		14 12 58.5 0.0
GCSA	Galena City Sc	P	Pn	14 12 58.9 +0.1
GCSA	Galena City Sc	P	Pn	14 12 58.9 +0.1
WRH	Wood River Hill	Pn		14 12 58.4 -0.7
WRH	Wood River Hill	IAML		14 13 55.5
WRH	comp=N,11nm,0.4s	IAML		14 14 02.1
K24K	Donnelly Dome	Pn		14 13 00.9 +0.9
K24K	Donnelly Dome	P	Pn	14 13 00.9 +0.9
BARK	Barkeley Ridge	Pn		14 12 59.8 -0.4
MLY	Manley	Pn		14 12 59.9 -0.6
MLY	Manley	P	Pn	14 13 00.0 -0.6
I17K	Unalakleet	Pn		14 13 01.1 +0.2
I17K	Unalakleet	P	Pn	14 13 01.1 +0.2
ISLE	Juniper Island	Pn		14 13 01.1 -0.3
I21K	Tanana	Pn		14 13 01.4 +0.1
I21K	Tanana	P	Pn	14 13 01.4 +0.1
PTPK	Patty Peak	Pn		14 13 01.7 0.0
KIAG	Kiagna River	Pn		14 13 01.7 -0.1
HDA	Harding Lake	Pn		14 13 01.5 -0.4
CCB	Clear Creek Bu	Pn		14 13 01.6 -0.3
M26K	Nabesna, AK	Pn		14 13 02.8 -0.4
M26K	Nabesna, AK	P	Pn	14 13 02.8 -0.4
MESA	MESA	P	Pn	14 13 03.7 -0.2
MESA	MESA	P	Pn	14 13 03.7 -0.2
I23K	Minto, Yukon-K	Pn		14 13 04.0 -0.4
I23K	Minto, Yukon-K	P	Pn	14 13 04.0 -0.4
COLA	College	Pn		14 13 04.6 +0.2
COLA	College	P	Pn	14 13 04.0 +0.2
MDM	Murphy Dome	Pn		14 13 04.1 -0.5
J14K	Nanvanarak Lak	Pn		14 13 05.9 +0.1
H20K	Antlenteega Mo	Pn		14 13 06.2 +0.3
H20K	Antlenteega Mo	Pn		14 13 05.9 +0.1
IL31		Pn		14 13 05.6 -0.5
ILAR	Eielson Array	Pn		14 13 05.2 -0.9
ILAR	Eielson Array	P	Pn	14 13 05.5 -0.6
ILAR	comp=E,14nm,0.5s,baz=218,slow=14,SNR=244	S		14 14 07.8 -4.2
BARM	Barnard	Pn		14 13 06.8 +0.2
H18K	Honhosa River	Pn		14 13 07.4 +0.1
H18K	Honhosa River	P	Pn	14 13 07.4 +0.1
H21K	Meozitna Rive	Pn		14 13 07.8 +0.4
H21K	Meozitna Rive	P	Pn	14 13 07.7 +0.2
H19K	Roundabout Mou	Pn		14 13 08.5 +0.4
H19K	Roundabout Mou	P	Pn	14 13 08.3 +0.1
CTG	Chitna Glacier	Pn		14 13 09.2 +0.8
CTGM	Chitina Glacie	Pn		14 13 08.5 0.0
POKR	Poker Plat Res	Pn		14 13 08.5 -0.1
POKR	Poker Plat Res	P	Pn	14 13 08.5 -0.1
H17K	Granite Mounta	Pn		14 13 09.2 +0.1
H17K	Granite Mounta	P	Pn	14 13 09.3 +0.1
SCRK	Sand Creek	Pn		14 13 08.7 -0.8
SCRK	Sand Creek	P	Pn	14 13 08.7 -0.8
M27K	Edge Creek, AK	Pn		14 13 09.2 -0.3
M27K	Edge Creek, AK	P	Pn	14 13 09.3 -0.3
J25K	Salcha River,	Pn		14 13 09.5 +0.2
J25K	Salcha River,	P	Pn	14 13 09.6 -0.2
LOGN	Logan Glacier	Pn		14 13 10.8 +0.3
H22K	Ishaitlita Cre	Pn		14 13 10.2 -1.2
H22K	Ishaitlita Cre	P	Pn	14 13 10.2 -1.2
SAMH	Samovar Hills	Pn		14 13 12.8 +1.1
IMAR	Indian Mountai	Pn		14 13 12.5 +0.6
H23K	Yukon River	Pn		14 13 13.0 +0.2
H23K	Yukon River	P	Pn	14 13 13.0 +0.2
YUK2	White River	Pn		14 13 14.4 +0.8
L27K	Beaver Creek,	Pn		14 13 13.9 +0.3
L27K	Beaver Creek,	P	Pn	14 13 13.9 +0.3
BCAR	Beaver Creek A	Pn		14 13 14.5 +0.7
O28M	Mount Upton	Pn		14 13 16.7 +0.7
O28M	Mount Upton	P	Pn	14 13 16.6 +0.7
YUK3	Moose Creek	Pn		14 13 16.9 +0.9
YUK3	Moose Creek	P	Pn	14 13 16.9 +0.9
J26L	Joseph Creek	Pn		14 13 15.5 -0.5
J26L	Joseph Creek	P	Pn	14 13 15.7 -0.4
H24K	Noodor Dome	Pn		14 13 15.8 -0.4
H24K	Noodor Dome	P	Pn	14 13 15.8 -0.4
G18K	Tagagawik	Pn		14 13 16.3 -0.8
G18K	Tagagawik	P	Pn	14 13 16.3 -0.8
G19K	Purcell Mounta	Pn		14 13 17.2 0.0
K27K	Chicken	Pn		14 13 19.1 +0.2
PRP	Porcupine Dome	Pn		14 13 18.4 -0.6
PRP	Porcupine Dome	P	Pn	14 13 18.4 -0.6
G21K	Allakaket	Pn		14 13 19.9 +0.8
G21K	Allakaket	P	Pn	14 13 19.3 +0.2
YUK8	Steele Glacier	Pn		14 13 19.2 -0.2
YUK8	Steele Glacier	P	Pn	14 13 19.2 -0.2
BCPM	Bancas Point	Pn		14 13 18.8 -0.7
PNL	Peninsula	Pn		14 13 21.9 +0.5
PNL	Peninsula	P	Pn	14 13 21.7 +0.2
G16K	Koyuk River	Pn		14 13 22.7 +0.1
G16K	Koyuk River	P	Pn	14 13 22.7 +0.1
G23K	Bananza Creek	Pn		14 13 23.2 -0.5
G23K	Bananza Creek	P	Pn	14 13 23.4 -0.3
I26K	Coal Creek Min	Pn		14 13 25.2 0.0
I26K	Coal Creek Min	P	Pn	14 13 24.6 -0.7
YUK4	Talbot Arm	Pn		14 13 27.7 +1.0
H25L	Birch Creek	Pn		14 13 26.5 -0.1
H25L	Birch Creek	P	Pn	14 13 26.5 -0.1
F19K	Shalercukik Mo	Pn		14 13 27.9 +0.7
F19K	Shalercukik Mo	P	Pn	14 13 27.1 -0.2

F20K	Avaraat Lake	7.44 352	Pn	14 13 26.9 -0.5
F20K	Avaraat Lake	7.44 352	P	14 13 26.9 -0.5
G24K	Hadweenzic Riv	7.47 18	Pn	14 13 26.7 -1.1
G24K	Hadweenzic Riv	7.47 18	P	14 13 26.7 -1.1
YUK6	Outpost Mounta	7.47 74	Pn	14 13 29.5 +1.4
YUK6	Outpost Mounta	7.47 74	P	14 13 28.7 +0.6
F21K	Alatna River	7.53 359	Pn	14 13 27.2 -1.5
F21K	Alatna River	7.53 359	P	14 13 27.2 -1.5
EGAK	Eagle	7.57 43	Pn	14 13 28.5 -0.7
EGAK	Eagle	7.57 43	P	14 13 28.5 -0.7
M29M	Somme Creek	7.65 63	Pn	14 13 31.3 +0.9
M29M	Somme Creek	7.65 63	P	14 13 30.3 -0.1
COLD	Coldfoot	7.66 9	Pn	14 13 30.4 +0.1
COLD	Coldfoot	7.66 9	P	14 13 30.4 +0.1
F17K	Baldwin Pennin	7.66 335	Pn	14 13 30.4 0.0
F17K	Baldwin Pennin	7.66 335	P	14 13 30.4 0.0
FYU	Bearman Lake	7.76 24	Pn	14 13 31.4 -0.3
G25K	Bearman Lake	7.76 24	P	14 13 31.4 -0.3
F22K	John River	7.83 3	Pn	14 13 32.4 -0.3
F22K	John River	7.83 3	P	14 13 32.4 -0.3
P29M	Windy Craggy	7.84 84	Pn	14 13 33.3 +0.5
P29M	Windy Craggy	7.84 84	P	14 13 33.1 +0.3
DAWY	Dawson	7.84 50	Pn	14 13 33.1 +0.2
DAWY	Dawson	7.84 50	P	14 13 32.5 -0.4
HYT	Haines Junctio	7.89 75	Pn	14 13 35.1 +1.5
HYT	Haines Junctio	7.89 75	P	14 13 34.7 +0.7
I27K	Kandik River	7.95 37	Pn	14 13 33.7 -0.6
I27K	Kandik River	7.95 37	P	14 13 34.3 -0.1
E19K	Redstone River	7.97 349	Pn	14 13 35.4 +0.8
E19K	Redstone River	7.97 349	P	14 13 35.4 +0.8
F15K	North Star Dit	7.97 324	Pn	14 13 33.9 -0.6
L29M	L29M	7.99 58	Pn	14 13 34.8 -0.1
L29M	L29M	7.99 58	P	14 13 34.8 -0.1
N30M	Aishikik Lake	8.13 71	Pn	14 13 37.0 +0.2
N30M	Aishikik Lake	8.13 71	P	14 13 37.0 +0.2
P30M	Million Dollar	8.18 80	Pn	14 13 38.6 +1.1
P30M	Million Dollar	8.18 80	P	14 13 37.7 +0.2
F24K	Squaw Lake	8.18 15	Pn	14 13 37.4 0.0
F24K	Squaw Lake	8.18 15	P	14 13 37.4 0.0
E17K	Thiam Inlet	8.33 336	Pn	14 13 38.8 -0.6
E17K	Thiam Inlet	8.33 336	P	14 13 38.8 -0.6
I28M	Miner Creek	8.39 41	Pn	14 13 40.2 -0.1
I28M	Miner Creek	8.39 41	P	14 13 40.2 -0.1
G26K	Porcupine Rive	8.39 26	Pn	14 13 39.5 -0.8
G26K	Porcupine Rive	8.39 26	P	14 13 39.6 -0.7
H18K	Ukhaiblearik C	8.40 340	Pn	14 13 40.9 +0.6
H18K	Ukhaiblearik C	8.40 340	P	14 13 39.4 -1.2
H27K	Steamboat Moun	8.41 34	Pn	14 13 40.2 -0.4
H27K	Steamboat Moun	8.41 34	P	14 13 42.4 +1.0
E22K	Anaktuvuk Pass	8.47 4	Pn	14 13 41.7 +0.3
E22K	Anaktuvuk Pass	8.47 4	P	14 13 41.7 +0.3
K29M	Barlow Dome	8.50 54	Pn	14 13 42.8 +0.9
K29M	Barlow Dome	8.50 54	P	14 13 42.1 +0.2
E23K	Chindalar	8.52 9	Pn	14 13 39.5 -2.6
O30N	Mendenhall	8.58 76	Pn	14 13 43.2 +0.2
O30N	Mendenhall	8.58 76	P	14 13 42.7 -0.2
F25K	Christian Rive	8.58 20	Pn	14 13 42.0 -0.9
F25K	Christian Rive	8.58 20	P	14 13 42.0 -0.9
BMAR	Burnt Mountain	8.63 23	Pn	14 13 42.5 -1.1
E20K	Nigu River	8.67 353	Pn	14 13 45.3 +1.2
E20K	Nigu River	8.67 353	P	14 13 44.7 +0.6
N31M	Braeburn, Yuko	8.76 71	Pn	14 13 46.5 +1.3
G27K	Doyon Strip	8.80 31	Pn	14 13 45.0 -0.8
G27K	Doyon Strip	8.80 31	P	14 13 45.0 -0.8
S31K	Pelican	8.98 94	Pn	14 13 48.4 +0.1
E25K	Arctic Village	9.07 18	Pn	14 13 48.3 -1.2
E25K	Arctic Village	9.07 18	P	14 13 48.3 -1.2
SKAG	Skagway	9.07 84	Pn	14 13 51.3 +1.8
TOLK	Toolik Lake Re	9.10 8	Pn	14 13 49.5 -0.3
TOLK	Toolik Lake Re	9.10 8	P	14 13 49.5 -0.3
WHY	Whitehorse	9.18 76	Pn	14 13 52.1 +1.1
D22K	Aiyikak River	9.20 1	Pn	14 13 51.9 +0.6
J30M	Hart River	9.27 51	Pn	14 13 52.2 0.0
J30M	Hart River	9.27 51	P	14 13 52.2 0.0
D23K	Nanushuk River	9.35 6	Pn	14 13 53.6 +0.4
D23K	Nanushuk River	9.35 6	P	14 13 52.9 -0.3
H29M	Whitestone	9.37 40	Pn	14 13 53.2 -0.2
M31M	Drury Creek, Y	9.48 67	Pn	14 13 56.0 +0.9
C16K	Utukok River	9.60 342	Pn	14 13 56.1 -0.5
D24K	Happy Valley	9.65 9	Pn	14 13 58.0 +0.5
JIS	Junesau Island	9.82 90	Pn	14 14 02.2 +2.6
P32M	Atlin	9.87 82	Pn	14 14 01.3 +1.0
F28M	Old Crow	9.87 31	Pn	14 13 58.9 -1.3
F28M	Old Crow	9.87 31	P	14 13 59.9 -0.3
E27K	Coleen River	9.89 26	Pn	14 13 58.9 -1.7
G29M	Pine Creek	9.91 37	Pn	14 14 00.5 -0.3
B21K	Ikpikpuk River	9.96 357	Pn	14 14 00.7 -0.7
FARO	Faro, Yukon	9.97 67	Pn	14 14 02.3 +0.7
N32M	Quiet Lake	10.05 73	Pn	14 14 03.9 +1.1
C23K	Hikilik River	10.22 5	Pn	14 14 05.1 +0.2
G30M	A'och Zraii Nji	10.51 39	Pn	14 14 09.6 +0.6
D27M	Malcolm River	10.89 24	Pn	14 14 13.1 -1.0
E29M	Blow River	10.95 31	Pn	14 14 14.9 +0.2
G31M	Satah River	11.12 42	Pn	14 14 17.2 +0.1
U33K	Whale Pass	11.27 100	Pn	14 14 18.8 -0.2
S34M	Telegraph Cree	11.58 89	Pn	14 14 23.6 +0.4
DLBC	Dease Lake	11.98 86	Pn	14 14 29.2 +0.6
INK	Inuvik	12.13 37	Pn	14 14 30.4 +0.1
INK	Inuvik	12.13 37	P	14 14 30.2 -0.1
C36M	Paulatuk	15.63 40	Iamb	14 15 13.7 -1.5
C36M	Paulatuk	15.63 40	Iamb	14 15 18.3
A36M	Sachs Harbour	16.55 31	Pn	14 15 26.1 -0.5
A36M	Sachs Harbour	16.55 31	Iamb	14 15 32.0
YKA	Yellowknife Ar	18.67 65	P	14 15 50.7 +0.3
YKA	Yellowknife Ar	18.67 65	P	14 15 52.1 +1.7
SCHO	Schefferville	43.81 57	P	14 19 36.6 +1.0
SONM	Songino Array	54.87 306	P	14 20 59.9 -0.1

VNA1	Neumayer-Stat	14.06 147	↑P	Pn	14 38 39.3 +0.5
VNA1	Neumayer-Stat	14.06 147	↑P	Pn	14 40 59.4 -1.5
VNA1	comp=Z,6.7nm,0.8s		↑S	Sn	14 38 42.5 -1.8
VNA2	Neumayer-Watz	14.45 147	↑P	Pn	14 41 06.1 -1.8
VNA2	comp=Z,2.1nm				







Table with columns for station call letters, frequency, power, and other technical details. Includes stations like NACGM, BOD, BURAR, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like QIZ, BOVS, STHS, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KRUC, A051A, ARAO, etc.





Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for stations in the 1807 range.

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for stations in the 2018 APR range.

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for stations in the 28d 15h range.

28d 15h

K17K	comp=Z,66nm,1.4s Iadarod	73.67	21	P	P	15 25 43.9	+0.7
J20K	comp=Z,30nm,1.4s Nowinta River	73.68	19	I	Amb	15 25 45.6	
J20K	comp=Z,30nm,1.4s Nowinta River	73.68	19	P	P	15 25 43.0	-0.2
PSA00	comp=Z,323,SNR=15 Pilara Seismi	73.72	133	P	P	15 25 44.0	0.0
PSA00	comp=Z,323,SNR=15 Pilara Seismi	73.72	133	P	P	15 25 44.3	-0.6
PSA00	comp=Z,55nm,1.2s Pilara Seismi	73.72	133	I	Amb	15 25 45.6	
FYU	comp=Z,40nm,1.1s Fort Yukon	73.73	14	I	Amb	15 25 46.6	
F28M	comp=Z,33,SNR=13 Old Crow	73.77	12	P	P	15 25 43.1	-0.6
H24K	comp=Z,34,SNR=13 Noodor Dome	73.80	16	P	P	15 25 43.8	-0.1
M13K	comp=Z,328,SNR=15 Dall Lake	73.80	25	P	P	15 25 43.8	-0.2
MLY	comp=Z,317 Manley	73.83	17	P	P	15 25 43.1	-1.1
H25L	comp=Z,326,SNR=19 Birch Creek	73.87	15	P	P	15 25 44.7	+0.4
M14K	comp=Z,339,SNR=5.9 Bethel	74.02	24	I	Amb	15 25 51.2	
M14K	comp=Z,38nm,0.8s Bethel	74.02	24	P	P	15 25 44.7	-0.5
I23K	comp=Z,316 Minto, Yukon-K	74.05	17	I	Amb	15 25 47.9	
I23K	comp=Z,29nm,1.1s Minto, Yukon-K	74.05	17	P	P	15 25 44.7	-0.6
C36M	comp=Z,327,SNR=16 Paulatuk	74.06	6	P	P	15 25 44.6	-0.6
INK	comp=Z,347,SNR=92 Inuvik	74.07	9	I	Amb	15 25 50.8	
INK	comp=Z,31nm,0.9s Inuvik	74.07	9	P	P	15 25 44.5	-0.9
INK	comp=Z,340,SNR=46 Inuvik	74.07	9	LR	LR	16 03 05.7	
L16K	comp=Z,50nm,18.3s,slow=39 Owhat River	74.09	23	I	Amb	15 25 48.4	
L16K	comp=Z,2,4s Owhat River	74.09	23	P	P	15 25 45.5	-0.1
L17K	comp=Z,320,SNR=6.5 Donlin	74.12	22	P	P	15 25 46.2	+0.4
TTA	comp=Z,320 Tatalina	74.17	20	P	P	15 25 47.6	+1.4
TTA	comp=Z,320 Tatalina	74.17	20	P	P	15 25 46.2	0.0
G27K	comp=Z,322,SNR=6.7 Doyon Strip	74.19	13	P	P	15 25 46.3	+0.1
P08K	comp=Z,333,SNR=25 Saint George I	74.19	30	P	P	15 25 46.2	-0.1
K20K	comp=Z,80nm,1.4s Telida	74.36	19	I	Amb	15 25 49.8	
K20K	comp=Z,80nm,1.4s Telida	74.36	19	P	P	15 25 46.6	-0.6
CHUM	comp=Z,324,SNR=17 Lake Minchumin	74.39	18	P	P	15 25 46.8	-0.5
F30M	comp=Z,325,SNR=24 Barrier River	74.41	10	P	P	15 25 47.3	-0.2
MDM	comp=Z,338,SNR=47 Murphy Dome	74.47	16	I	Amb	15 25 50.7	
M15K	comp=Z,27nm,1.0s Kasigluk River	74.48	24	P	P	15 25 47.2	-0.6
POKR	comp=Z,319 Poker Plat Res	74.52	16	I	Amb	15 25 51.2	
POKR	comp=Z,27nm,0.7s Poker Plat Res	74.52	16	P	P	15 25 47.7	-0.3
L18K	comp=Z,328,SNR=6.7 Granite Mounta	74.53	21	P	P	15 25 47.1	-1.1
BPAW	comp=Z,322,SNR=6.4 Bear Paw Mtn.	74.54	18	I	Amb	15 25 50.5	
BPAW	comp=Z,15nm,0.7s Bear Paw Mtn	74.54	18	P	P	15 25 47.2	-1.0
PRP	comp=Z,326,SNR=17 Porcupine Dome	74.58	15	P	P	15 25 47.1	-1.5
NEA2	comp=Z,330 Nenana	74.59	17	P	P	15 25 48.6	+0.1
NEA2	comp=Z,30nm,0.8s Nenana	74.59	17	P	P	15 25 51.0	
NEA2	comp=Z,30nm,0.8s Nenana	74.59	17	P	P	15 25 47.0	-1.5
COLA	comp=Z,327,SNR=52 College	74.63	16	P	P	15 25 49.0	+0.3
COLA	comp=Z,328 College	74.63	16	P	P	15 25 48.4	-0.3
COLA	comp=Z,328 College	74.63	16	i	P	15 25 48.8	+0.1
COLA	comp=Z,40nm,0.9s College	74.63	16	pm	pm		
G29M	comp=Z,26nm,1.1s Pine Creek	74.72	11	I	Amb	15 25 52.0	
G29M	comp=Z,26nm,1.2s Pine Creek	74.72	11	P	P	15 25 48.8	-0.4
H27K	comp=Z,336,SNR=14 Steamboat Moun	74.73	13	P	P	15 25 48.4	-0.9
M16K	comp=Z,333,SNR=23 Timber Creek	74.78	23	P	P	15 25 48.6	-1.0
DBIC	comp=Z,320 Dimbokro	74.78	267	I	Amb	15 25 52.8	
DBIC	comp=Z,32nm,0.7s Dimbokro	74.78	267	P	P	15 25 48.8	-1.6
DBIC	comp=Z,34nm,0.7s,baz=45,slow=6.7,SNR=27 Dimbokro	74.78	267	LR	LR	16 03 43.3	
CAST	comp=Z,122nm,18.0s,baz=25,slow=40 Castle Rocks	74.83	19	I	Amb	15 25 52.7	
CAST	comp=Z,4nm,0.9s Castle Rocks	74.83	19	P	P	15 25 48.8	-1.1
BWN	comp=Z,325,SNR=41 Brown	74.85	17	P	P	15 25 50.4	+0.4
BWN	comp=Z,43nm,0.8s Brown	74.85	17	I	Amb	15 25 52.7	
F31M	comp=Z,43nm,1.0s Tsigiehtchic	74.86	10	I	Amb	15 25 55.1	
F31M	comp=Z,43nm,1.0s Tsigiehtchic	74.86	10	P	P	15 25 49.6	-0.3
KIC	comp=Z,339,SNR=41 Kosar	74.87	267	i	P	15 25 49.5	-1.4
TSUM	comp=Z,100nm,0.7s Tsumeb	74.88	232	P	P	15 25 51.4	+0.5
TSUM	comp=Z,27nm,1.0s Tsumeb	74.88	232	I	Amb	15 25 55.6	
TIC	comp=Z,45nm,0.5s Toumudi	74.93	267	i	P	15 25 49.7	-1.6
ILAR	comp=Z,10nm,0.9s,baz=329,slow=4.2,SNR=80 Eielson Array	74.93	16	P	P	15 25 49.6	-0.8
A0h	comp=Z,10nm,0.9s tAoh Zraii Nji	74.93	11	I	Amb	15 25 56.0	
G30M	comp=Z,32,SNR=2 tAoh Zraii Nji	74.93	11	P	P	15 25 49.7	-0.8
M17K	comp=Z,337,SNR=32 Holitna River	74.95	22	I	Amb	15 25 56.9	
M17K	comp=Z,27nm,0.9s Holitna River	74.95	22	P	P	15 25 50.2	-0.4
KTH	comp=Z,32 Kantishna Hill	75.01	18	I	Amb	15 25 53.5	
KNRA	comp=Z,38nm,1.0s Kununurra	75.05	123	P	P	15 25 52.3	+0.5
KNRA	comp=Z,38nm,1.0s Kununurra	75.05	123	I	Amb	15 26 21.4	
N15K	comp=Z,37nm,0.9s Kwethluk River	75.07	24	P	P	15 25 51.0	-0.3
L19K	comp=Z,319 White Mountain	75.09	20	I	Amb	15 26 18.8	
L19K	comp=Z,26nm,1.2s White Mountain	75.09	20	P	P	15 25 51.1	-0.4
L20K	comp=Z,323,SNR=6.1 Farewell, AK	75.12	20	P	P	15 25 51.2	-0.4
LIC	comp=Z,324,SNR=9.3 Lamto	75.15	267	i	P	15 25 51.2	-1.5
HDA	comp=Z,29nm,0.8s Harding Lake	75.23	16	P	P	15 25 52.0	-0.2
PPLA	comp=Z,329,SNR=10 Purkeypile	75.23	19	P	P	15 25 52.3	-0.1
I26K	comp=Z,325,SNR=13 Coal Creek Min	75.25	14	I	Amb	15 25 57.5	
I26K	comp=Z,21nm,0.8s Coal Creek Min	75.25	14	P	P	15 25 51.3	-1.0
TRF	comp=Z,332 Thorofore Moun	75.26	18	P	P	15 25 51.5	-1.1
N16K	comp=Z,326 Nishlik Lake	75.26	23	P	P	15 25 52.1	-0.4
G31M	comp=Z,320,SNR=5.8 Satah River	75.27	10	I	Amb	15 25 57.3	
G31M	comp=Z,39nm,1.0s Satah River	75.27	10	P	P	15 25 51.9	-0.5
I27K	comp=Z,339,SNR=32 Kandik River	75.28	13	P	P	15 25 51.8	-0.7
H29M	comp=Z,333,SNR=14 Whitestone	75.30	12	I	Amb	15 25 55.7	
H29M	comp=Z,28nm,0.7s Whitestone	75.30	12	P	P	15 25 51.7	-0.9

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MCK	comp=Z,328,SNR=16 McKinley	75.35	17	P	P	15 25 52.2	-0.7
M18K	comp=Z,322 Stony River	75.36	21	P	P	15 25 52.2	-0.8
O14K	comp=Z,319 Tigyluivuet M	75.37	25	P	P	15 25 52.9	-0.2
J25K	comp=Z,330,SNR=21 Salcha River	75.40	15	P	P	15 25 52.6	-0.6
EPYK	comp=Z,317,SNR=16 Eagle Plads	75.42	11	P	P	15 25 52.6	-0.7
M19K	comp=Z,324 Big River Lodge	75.44	20	P	P	15 25 52.6	-0.8
RND	comp=Z,46nm,1.4s Reindeer	75.64	17	I	Amb	15 25 55.9	
N17K	comp=Z,322 Nushagak Hills	75.71	22	P	P	15 25 54.0	-1.0
I28M	comp=Z,16nm,0.8s Miner Creek	75.73	13	I	Amb	15 25 59.9	
I28M	comp=Z,334,SNR=42 Miner Creek	75.73	13	P	P	15 25 54.4	-0.8
M20K	comp=Z,324 Styx River	75.81	20	P	P	15 25 54.7	-0.9
J26L	comp=Z,19nm,0.7s Joseph Creek	75.88	15	I	Amb	15 25 58.5	
J26L	comp=Z,332,SNR=93 Joseph Creek	75.88	15	P	P	15 25 55.1	-0.9
O15K	comp=Z,323,SNR=5.3 Ungalikthiuk R	75.92	24	P	P	15 25 55.4	-0.8
N18K	comp=Z,322 Kilae Creek	75.99	22	P	P	15 25 56.2	-0.4
K24K	comp=Z,330,SNR=9.9 Donnelly Dome	76.02	16	P	P	15 25 55.9	-0.8
EGAK	comp=Z,334,SNR=14 Eagle	76.11	14	P	P	15 25 56.5	-0.6
CUT	comp=Z,39nm,1.1s Chulitna	76.14	18	I	Amb	15 25 59.6	
CUT	comp=Z,327,SNR=5.3 Chulitna	76.14	18	P	P	15 25 56.3	-1.1
O16K	comp=Z,43nm,1.3s Kokwok River B	76.16	23	I	Amb	15 26 01.2	
O16K	comp=Z,321 Kokwok River B	76.16	23	P	P	15 25 56.8	-0.8
SKT	comp=Z,36nm,0.9s Skwentna	76.16	19	I	Amb	15 25 59.4	
SKT	comp=Z,36nm,0.9s Skwentna	76.16	19	P	P	15 25 57.2	-0.3
WAT1	comp=Z,326,SNR=24 Susitna Watana	76.21	18	P	P	15 25 57.5	-0.4
SCRK	comp=Z,328 Sand Creek	76.25	15	P	P	15 25 57.5	-0.7
DHY	comp=Z,25nm,0.6s Denali Highway	76.28	17	I	Amb	15 26 00.9	
DHY	comp=Z,25nm,0.6s Denali Highway	76.28	17	P	P	15 25 57.5	-0.9
N19K	comp=Z,329,SNR=63 Bonanza Creek	76.30	21	P	P	15 25 57.6	-0.8
H31M	comp=Z,29nm,0.8s Peel River	76.31	11	I	Amb	15 26 03.1	
H31M	comp=Z,339,SNR=31 Peel River	76.31	11	P	P	15 25 57.9	-0.5
O17K	comp=Z,322 Koliganek Bris	76.33	23	P	P	15 25 57.7	-0.8
I30M	comp=Z,29nm,0.8s Mount Dempster	76.54	12	I	Amb	15 26 04.7	
I30M	comp=Z,338,SNR=40 Mount Dempster	76.54	12	P	P	15 25 58.7	-1.0
K27K	comp=Z,23nm,0.9s Chicken	76.60	14	I	Amb	15 26 02.7	
K27K	comp=Z,333 Chicken	76.60	14	P	P	15 25 59.5	-0.4
WAT2	comp=Z,320,SNR=16 Susitna Watana	76.62	17	P	P	15 25 59.3	-1.0
N20K	comp=Z,325 Mount Spurr	76.62	20	P	P	15 25 59.9	-0.3
P16K	comp=Z,321 Nushagak River	76.63	24	P	P	15 25 59.7	-0.5
M22K	comp=Z,26nm,0.8s Willow	76.72	19	I	Amb	15 26 11.8	
M22K	comp=Z,327 Willow	76.72	19	P	P	15 26 00.4	-0.3
SUA	comp=Z,25nm,1.1s Susitna One	76.80	19	I	Amb	15 26 04.1	
SUA	comp=Z,326,SNR=5.9 Susitna One	76.80	19	P	P	15 26 00.4	-0.9
PAX	comp=Z,330,SNR=23 Paxson	76.81	16	P	P	15 26 00.2	-1.1
O19K	comp=Z,324 Port Alsworth	76.84					

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like SKAG Skagway, P32M Atlin, SCHO Schefferville, etc.

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like MURC Murrieta, CIS Catalina Island, ABTX Abilene, etc.

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like LATG Datong, LATG, YHNB, etc.

28d 15h

Table with columns for station name, frequency, power, and other technical details. Includes stations like CRIN San Cristobal, JTS Las Juntas de Compa, JTS Las Juntas de Compa, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like NUBE Las Nubes, PIRO Carate, MTO3 Montericito, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like 121A Cookes Peak, ETMB Extrema Whipple, P52A Corning, etc.

PDAR	Pinedale Array	37.53 332	P	P	16 00 55.4 +0.3
PDAR	Pinedale Array	37.53 332	P	P	16 00 55.5 +0.4
PDAR	comp=Z, 2.1nm, 0.9s, baz=157, slow=9.8, SNR=29				16 03 12.5 0.0
R11B	Troy Canyon, C	37.57 322	P	P	16 00 56.7 +1.2
ARVC	Arvin	37.79 315	P	P	16 00 57.4 +0.3
ISA	Isabella, Lake	37.83 316	P	P	16 00 57.9 +0.3
GRAC	Grapevine Rang	37.85 319	P	P	16 00 59.1 +1.4
PTLB	Pontes e Lacer	37.92 133	eP	P	16 00 58.7 +0.3
CWC	Cottonwood Cre	38.00 318	P	P	16 01 00.0 +0.9
BBSD	Serra de San D	38.07 136	eP	P	16 00 59.9 +0.2
AGIMW	Agassiz Nation	38.23 351	P	P	16 01 01.3 +0.5
VES	Vestal, Richgr	38.34 316	P	P	16 01 03.3 +2.0
PKM	Mpherson Peak	38.35 314	P	P	16 01 03.2 +1.1
MDND	Maddock	38.55 346	P	P	16 01 04.6 +1.2
SPMC	Teton Pass	38.73 324	Iamb	Iamb	16 01 06.6 +1.7
H17A	Grant Village	39.26 333	P	P	16 01 10.7 +1.0
RLMT	Red Lodge	39.28 335	P	P	16 01 10.2 +0.4
NVAR	Mina Array Bea	39.30 320	P	P	16 01 11.5 +1.5
NVAR	Mina Array Bea	39.30 320	P	P	16 01 12.4 +2.3
NVAR	comp=Z, 2.1nm, 1.0s, baz=139, slow=7.4, SNR=48				16 03 18.9 +0.9
RYN	Rya	39.56 320	P	P	16 01 14.7 +2.6
ULM	Lac du Bonnet	40.15 351	P	P	16 01 14.5 -2.1
ULM	Lac du Bonnet	40.15 351	P	P	16 01 14.1 -2.5
DGMT	Dagmar	40.34 342	P	P	16 01 18.8 +0.5
HLID	Hailey	40.46 329	P	P	16 01 21.0 +1.4
BOZ	Bozenan (W)	40.67 333	P	P	16 01 22.5 +1.3
SALV	Santo Antonio	40.76 130	eP	P	16 01 22.1 0.0
BPMT	Black Pine Rid	42.12 333	P	P	16 01 32.6 -0.6
MSO	Missoula	42.64 333	P	P	16 01 37.9 +0.5
RPVE	Rio Verde (Bra	43.28 133	eP	P	16 01 44.8 +0.1
RPND	Rapa Nui	43.32 209	LR	LR	16 14 59.6
ARAG	Araguiana, MT	43.64 126	eP	P	16 01 44.4 -1.2
AQDB	Aquidauana	43.70 135	eP	P	16 01 45.1 +0.1
SMTB	Santa Maria do	43.81 115	eP	LR	16 01 47.2 +0.1
YBH	Yreka Blue Hor	43.97 321	LR	LR	16 21 52.1
H03N2	Juan Fernandez	44.52 170	T	T	16 49 12.6
H03N1	Juan Fernandez	44.53 170	T	T	16 49 14.1
H03N3	Juan Fernandez	44.54 170	T	T	16 49 11.7
I04A	Tendick Farm,	44.98 324	Iamb	Iamb	16 01 58.0
NEW	Newport	45.16 332	P	P	16 01 57.8 +0.4
NEW	Newport	45.16 332	LR	LR	16 23 08.2
FFC	Flin Flon	45.31 348	P	P	16 01 58.8 -1.3
AMBA	Amambai (Brazi	45.84 137	eP	P	16 02 03.2 +0.2
BDFB	Brasilia	46.67 123	P	P	16 02 08.6 -1.2
BDFB	comp=Z, 1.0nm, 0.4s, baz=273, slow=6.0, SNR=1.7				16 22 08.7
CPUP	Villa Florida	46.77 142	LR	LR	16 22 47.1
SCHO	Schefferville	46.97 116	LR	LR	16 02 08.5 -2.4
SCHO	comp=Z, 3.5nm, 0.6s, baz=224, slow=6.7, SNR=11				16 22 34.4
EDM	Edmonton	47.41 339	P	P	16 02 14.1 -1.0
EDM	comp=Z, 1.5nm, 1.1s				16 02 16.0
SDBA	SAO DESIDERIO	47.74 118	eP	P	16 02 17.9 -0.2
JANB	Januarie	49.47 120	eP	P	16 02 32.3 +0.9
DIAM	Diamantina, MG	51.59 124	eP	P	16 02 47.7 +0.2
BBB	Bella Bella	53.05 330	LR	LR	16 28 48.3
PLCA	Paso Flores	53.36 164	P	P	16 02 59.7 -0.4
FRB	Frisher Bay	54.62 10	LR	LR	16 26 45.4
YKA	Yellowknife Ar	55.44 345	P	P	16 03 14.1 -0.7
YKA	Yellowknife Ar	55.44 345	P	P	16 03 14.2 -0.5
YKA	comp=Z, 2.4nm, 0.9s, baz=135, slow=7.0, SNR=33				16 04 14.9 +0.4
YKA	comp=Z, 1.1nm, 0.6s, baz=149, slow=3.4, SNR=9.9				16 29 39.7
TOAD	Toad River Com	56.04 337	P	P	16 03 20.0 +0.8
U35K	Hyder	56.16 332	P	P	16 03 20.8 +0.7
KOTAN	Kotaneleele Air	56.49 339	P	P	16 03 22.5 +0.1
V35K	Ketchikan	56.56 331	P	P	16 03 23.8 +0.9
T35M	Bob Quinn	56.90 333	P	P	16 03 25.6 +0.2
CRAC	Craig	57.36 331	P	P	16 03 28.2 -0.3
WRAC	Wrangell Islan	57.52 332	P	P	16 03 29.9 +0.2
DLBC	Dease Lake	57.68 335	P	P	16 03 31.0 +0.1
S34M	Telegraph Cree	57.84 334	P	P	16 03 33.6 +1.6
WTLY	Watson Lake, Y	58.24 337	P	P	16 03 35.4 +0.6
WRGLY	Wrigley	58.53 342	P	P	16 03 37.2 +0.6
R33M	Jennings River	58.66 335	P	P	16 03 39.0 +1.2
R33M	comp=Z, 1.1nm, 1.2s				16 03 40.6
R33M	Jennings River	58.66 335	P	P	16 03 38.7 +0.9
TGNT	Hyland Airport	58.96 338	P	P	16 03 40.4 +0.6
S32K	Killisnoo	59.12 332	P	P	16 03 41.7 +0.9
R32K	Eaglecrest	59.52 333	P	P	16 03 44.4 +0.7
P33M	Teasin, Yukon	59.89 336	P	P	16 03 47.1 +0.8
P32M	Atlin	59.91 335	P	P	16 03 47.0 +0.6
S31K	Pelican	60.13 332	P	P	16 03 48.8 +1.0
N32M	Quiet Lake	60.55 336	P	P	16 03 51.4 +0.7
MMPY	Sheldon Lake,	60.75 338	Iamb	Iamb	16 03 54.5
MMPY	Sheldon Lake,	60.75 338	P	P	16 03 52.8 +0.8
WHC	Pleasant Camp	60.97 334	P	P	16 03 54.2 +0.7
PLBY	Whitehorse	60.99 335	P	P	16 03 54.5 +0.8
FARO	Faro, Yukon	61.28 337	P	P	16 03 56.5 +0.8
SFJD	Kanglusuogak	61.34 15	LR	LR	16 30 56.1
O30N	Mendenhall	61.55 335	P	P	16 03 58.3 +0.8
P30M	Million Dollar	61.57 334	P	P	16 03 58.7 +1.0
P29M	Windy Craggy	61.66 333	P	P	16 03 58.5 +0.3

M31M	Drury Creek, Y	61.67 337	P	P	16 03 58.5 +0.3
N31M	Braeburn, Yuko	61.81 336	P	P	16 03 59.3 0.0
HYT	Haines Junction	62.17 335	P	P	16 04 02.4 +0.6
N30M	Aishikik Lake	62.33 335	P	P	16 04 02.9 +0.2
PNL	Peninsula	62.41 333	P	P	16 04 03.9 +0.6
YUK6	Outpost Mounta	62.59 335	P	P	16 04 04.0 -0.7
YUK4	Talbot Arm	62.91 335	P	P	16 04 06.7 0.0
MAYO	Mayo, Yukon	63.02 338	P	P	16 04 07.5 +0.3
C36M	Paulatuk	63.24 346	P	P	16 04 09.0 +0.5
O28M	Mount Upton	63.29 334	P	P	16 04 09.7 +0.3
YUK8	Steele Glacier	63.35 335	P	P	16 04 10.1 +0.3
M29M	Somme Creek	63.40 336	P	P	16 04 10.6 +0.7
L29M	L29M	63.61 337	Iamb	Iamb	16 04 13.4
L29M	comp=Z, 1.7nm, 1.1s				16 04 11.5 +0.3
J30M	Hart River	63.73 339	Iamb	Iamb	16 04 14.5
J30M	Hart River	63.73 339	P	P	16 04 12.1 0.0
H31M	Peel River	63.76 340	P	P	16 04 12.6 +0.6
K29M	Barlow Dome	63.77 338	Iamb	Iamb	16 04 14.2
K29M	Barlow Dome	63.77 338	P	P	16 04 12.4 +0.1
MESA	MESA	63.79 333	P	P	16 04 13.0 +0.4
CTG	Chitina Glacier	63.88 334	P	P	16 04 13.8 +0.7
YUK3	Moose Creek	63.88 335	P	P	16 04 13.2 0.0
I30M	Mount Dempster	64.11 339	Iamb	Iamb	16 04 16.8
I30M	Mount Dempster	64.11 339	P	P	16 04 14.8 +0.2
RES	Resolute Bay	64.17 358	LR	LR	16 34 29.2
J29N	Klondike Camp	64.35 338	P	P	16 04 16.4 +0.4
BVCY	Beaver Creek	64.35 335	P	P	16 04 16.7 +0.7
BGLC	Bering Glacier	64.36 333	P	P	16 04 16.9 +0.8
G31M	Satah River	64.40 341	Iamb	Iamb	16 04 17.6
G31M	comp=Z, 9.4nm, 0.8s				16 04 16.5 +0.3
F31M	Tsigheitchic	64.56 342	Iamb	Iamb	16 04 19.8
F31M	Tsigheitchic	64.56 342	P	P	16 04 18.0 +0.8
DAWY	Dawson	64.59 337	P	P	16 04 17.3 -0.2
M27K	Edge Creek, AK	64.75 335	P	P	16 04 19.4 +0.7
MCARA	McCarthy VSAT	64.79 334	P	P	16 04 19.4 +0.5
KAIM	Kayak Island	64.80 332	P	P	16 04 19.2 +0.2
EPIYK	Eagle Plains	64.84 340	P	P	16 04 19.8 +0.4
VRDI	Verde Repeater	64.91 334	Iamb	Iamb	16 04 22.8
INK	Inuvik	65.03 343	Iamb	Iamb	16 04 22.3
INK	Inuvik	65.03 343	P	P	16 04 20.5 +0.3
INK	Inuvik	65.03 343	LR	LR	16 36 14.9
BCAR	Beaver Creek A	65.03 336	P	P	16 04 21.3 +0.8
L27K	Beaver Creek	65.05 336	Iamb	Iamb	16 04 23.2
G30M	taoh Zraii Nji	65.05 341	Iamb	Iamb	16 04 21.4 +0.8
G30M	taoh Zraii Nji	65.06 341	P	P	16 04 21.0 +0.4
GLB	Gilahina Butte	65.16 334	Iamb	Iamb	16 04 24.3
M26K	Nabesna, AK	65.23 335	P	P	16 04 22.8 +1.0
F30M	Barrier River	65.29 342	P	P	16 04 22.6 +0.6
BMRM	Bremner River	65.31 333	P	P	16 04 22.3 0.0
H29M	Whitestone	65.35 340	Iamb	Iamb	16 04 24.3
H29M	Whitestone	65.35 340	P	P	16 04 22.9 +0.5
A36M	Sachs Harbour	65.49 348	Iamb	Iamb	16 04 24.7
A36M	Sachs Harbour	65.49 348	P	P	16 04 23.0 -0.1
I28M	Miner Creek	65.50 339	P	P	16 04 23.7 +0.2
N25K	Chitina, Valde	65.57 334	P	P	16 04 24.7 +0.6
K27K	Chicken	65.60 337	P	P	16 04 25.3 +1.2
EGAK	Eagle	65.61 338	Iamb	Iamb	16 04 26.0
EGAK	Eagle	65.61 338	P	P	16 04 25.1 +1.0
G29M	Pine Creek	65.61 340	P	P	16 04 24.7 +0.5
L26K	Log Cabin Wild	65.65 335	P	P	16 04 24.7 +0.2
EYAK	Cordova Ski Ar	65.66 332	P	P	16 04 24.7 +0.2
KLU	Klutina	66.11 333	P	P	16 04 27.8 +0.3
HARP	HAARP	66.14 334	P	P	16 04 27.6 0.0
I27K	Kandik River	66.18 338	P	P	16 04 28.0 +0.2
SCRK	Sand Creek	66.33 336	Iamb	Iamb	16 04 31.8
SCRK	Sand Creek	66.33 336	P	P	16 04 29.6 +0.7
E29M	Blow River	66.39 342	P	P	16 04 29.6 +0.6
J26L	Joseph Creek	66.40 337	P	P	16 04 29.8 +0.5
GLI	Glacier Island	66.40 332	P	P	16 04 29.9 +0.6
H27K	Stenboat Moun	66.45 339	P	P	16 04 30.2 +0.6
M24K	Tolsona, Glenn	66.46 334	P	P	16 04 30.4 +0.7
PAX	Paxson	66.50 335	P	P	16 04 30.5 +0.5
F28M	Old Crow	66.59 341	Iamb	Iamb	16 04 33.1
F28M	Old Crow	66.59 341	P	P	16 04 30.8 +0.4
I26K	Coal Creek Min	66.61 338	P	P	16 04 31.4 +0.9
G27K	Doyon Strip	66.78 339	Iamb	Iamb	16 04 33.9
G27K	Doyon Strip	66.78 339	P	P	16 04 32.8 +1.1
SKM	Sheep Creek Mo	66.86 333	P	P	16 04 33.0 +0.7
K24K	Donnelly Dome	66.97 336	P	P	16 04 33.6 +0.6
E28M	Babbage River	67.01 342	Iamb	Iamb	16 04 34.3
E28M	Babbage River	67.01 342	P	P	16 04 33.9 +0.8
M23K	Glacier View	67.02 333	P	P	16 04 33.4 +0.2
J25K	Salcha River,	67.15 337	Iamb	Iamb	16 04 36.1
J25K	Salcha River,	67.15 337	P	P	16 04 34.8 +0.7

D28M	Stokes Point	67.16 342	P	P	16 04 34.6 +0.7
KNK	Knik Glacier	67.21 333	P	P	16 04 35.2 +0.8
SEW	Seward	67.22 331	P	P	16 04 34.3 -0.3
SML	Sawmill	67.29 333	P	P	16 04 35.5 +0.5
WAT6	Susitna Watana	67.31 334	P	P	16 04 34.7 -0.5
DHY	Denali Highway	67.34 335	P	P	16 04 35.9 +0.5
E27K	Colee River	67.45 341	P	P	16 04 36.5 +0.6
O22K	Cooper Landing	67.47 332	P	P	16 04 36.7 +0.6
PMR	Palmer	67.57 333	P	P	16 04 37.9 +1.2
PRP	Porcupine Dome	67.59 337	Iamb	Iamb	16 04 39.2
PRP	Porcupine Dome	67.59 337	P	P	16 04 37.1 +0.1
G26K	Porcupine River	67.59 339	P	P	16 04 37.3 +0.6
RC01	Rabbit Creek A	67.68 332	P	P	16 04 37.7 +0.4
HDA	Harding Lake	67.69 336	P	P	16 04 38.2 +0.8
BRSE	Bradley Lake S	67.72 331	P	P	16 04 38.5 +0.8
WAT1	Susitna Watana	67.75 334	P	P	16 04 38.5 +0.6
D27M	Malcolm River	67.79 342	Iamb	Iamb	16 04 39.8
D27					

28d 16h

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like K20K Telida, L19K White Mountain, G22K Bettles, etc.

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Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like H16K Elim, G16K Koyuk River, E17K Hotham Inlet, etc.

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Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like BATI Baumata, SOEI Soe, JAGI Jajag, etc.

TAP 28 16:31:19.8, 24:37N-121:94E, h29km, ML1.7, 1D, A, Taiwan

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res. Includes stations like EWUT Wuta, ENA Nanau, TWC Suao, etc.

JMA 28 16:33:05.8:1.0, 24:22N:0:3:123:8E:0.13, h15km±1km, MV1.3/10, NEAR ISHIGAKIJIMA ISLAND, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res. Includes stations like IRIF Iriomote-Funau, JKRS Kuro-shima, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Kimbe, Keravat, Rabaul, etc.

JMA 28 16:41:20.401, 2433N, 03:1233E, 0.3, h16km, 1km, MV1.7/10, NEAR ISHIGAKIJIMA ISLAND, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Iriomote-Funau, Hateruma jima, etc.

Table with columns: LATG, Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Xilun Townshi, Nioudou, etc.

TRN 28 16:54:05.5, 1485N, 6132W, h202km, MD3.5, Near North-west of Martinique, Windward Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Bigot, Morne Pois Mar, etc.

HEL 28 16:55:20.0, 0.2, 5923N, 2775E, h0km, ML1.7, Suspected explosion

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Tooma soojam, Arbavere, etc.

UPP 28 16:55:26.2, 2.9, 5938N, 2771E, h0km, ML1.6

ISC 28 16:55:18.9, 0.9, 5924N, 2775E, 0.04, h0km, n47, s137/75, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Tooma soojam, Arbavere, Vasula, etc.

NEIC 28 17:03:46.4, 1.6, 1921N, 0:08, 155:39W, 0:06, h27km, 15km, Error ellipse: s-maj=13.3km s-min=6.2km

HVO 28 17:03:46.5, 1.4, 1919N, 0:08, 155:40W, 0:08, h30km, 8km, ML2.6/13, ML2.3/20(NEIC), Error ellipse: s-maj=14.9km s-min=5.2km az=138.0, Hawaiian Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Hilina Pali, Kahuku, Sand Hill, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like RAF, RAF, RPF, etc.

NEIC 28 17:03:46.4, 1.6, 1921N, 0:08, 155:39W, 0:06, h27km, 15km, Error ellipse: s-maj=13.3km s-min=6.2km

HVO 28 17:03:46.5, 1.4, 1919N, 0:08, 155:40W, 0:08, h30km, 8km, ML2.6/13, ML2.3/20(NEIC), Error ellipse: s-maj=14.9km s-min=5.2km az=138.0, Hawaiian Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Hilina Pali, Kahuku, Sand Hill, etc.

NEIC 28 17:04:05.0, 0.6, 1922N, 0:02, 155:43W, 0:02, h40km, 3km, Error ellipse: s-maj=3.5km s-min=2.3km az=129.0

HVO 28 17:04:06.0, 0.9, 1920N, 0:04, 155:40W, 0:05, h33km, 7km, ML2.6/29, ML2.8/50(NEIC), Error ellipse: s-maj=7.7km s-min=5.4km az=129.0, Hawaiian Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Hot Caves, Hilina Pali, Kahuku, etc.

28d 18h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MWH Mokuaweone, MLOA Mauna Loa Obsc, HMH Humu'ula Sheep, etc.

NOU 28 17:31:42.7, 16:29S-167.64E, h20km, MLV4.2/14, Vanuatu Islands, Vanuatu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LIFNC LIFOU, KOUNC Koumca, New Ca, YATNC Mamie plateau, etc.

NOU 28 17:39:25.7, 40:89S-175.09E, h59km, MLV3.4/6, North Island, New Zealand

WEL 28 17:39:26.0, 41.1 S, 177.5 E, h32km, 5km, M3.2/18, M3.5/18, MLV3.2/18, Error ellipse: s-maj=0.0km

ISC 28 17:39:26.9, 1.3, 40.78S-0.03S-175.04E, 0.03, h48km, 8km, n91, r1507/98, North Island

Main table for 28d 18h section with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OGWZ Otaki Gorge, KIW Kapiti Island, CAW Cannon Point, etc.

2018 APR

ISC 28 17:45:05.0, 2.2, 14:0N, 0.1, 90.25W, 0.08, h122km, 13km, n26, r058/40, Near coast of Guatemala

Main table for 2018 APR section with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LOAL Lomas de Alarc, LOAL Lomas de Alarc, LOAL Lomas de Alarc, etc.

1814

Main table for 1814 section with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H11S2 WAKE ISLAND Hy 40.13 64 T, H11S1 WAKE ISLAND Hy 40.14 64 T, etc.





28d 18h

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like M14K Bethel, H11S1 WAKE ISLAND, O14K Tigiyakuivert M, etc.

2018 APR

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like KDKA Kodiak Island, CAST Castle Rocks, Q20K Shuyak Island, etc.

1816

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like E25K Arctic Village, PRP Porcupine Dome, FYU Fort Yukon, etc.

# 2018 APR 28d 18h

P30M	Million Dollar	42.87	44	P	P	19 01 44.2	+0.2	YBH	Yreka Blue Hor	59.06	61	P	P	19 03 47.6	+2.4	WUAZ	Wupatki	69.84	60	P	P	19 04 54.8	-0.6		
O30N	Mendenhall	43.12	43	P	P	19 01 45.5	-0.5	YBH	comp=Z,4.0nm,1.3s							KIV	Kislovodsk	70.10	313	P	P	19 04 57.0	+0.2		
PLBC	Pleasant Camp	43.34	45	P	P	19 01 47.4	-0.3	K05A	Summer Lake	59.55	59	P	P	19 03 50.9	+2.2	KIV	Kislovodsk	70.10	313	P	P	19 04 58.3	+1.5		
M31M	Drury Creek, Y	43.54	41	P	P	19 01 49.9	+0.6	KLIMR	Klimovskoe	59.73	328	eP	P	19 03 49.2	-0.1	KIV	Kislovodsk	70.10	313	eP	P	19 04 57.6	+0.8		
PZH	Panzhihua	43.67	261	P	P	19 01 53.3	+2.4	KLIMR	comp=Z,1.2nm,1.7s							KIV	Kislovodsk	70.10	313	eP	P	19 04 57.6	+0.8		
PZH	comp=Z,10.0nm,0.8s							PLID	Pearl Lake	60.94	54	P	I	Amb	P	19 03 58.9	+0.7	KBZ	comp=Z,7.8nm,0.8s,baz=44,slo=6.0,SNR=21	70.16	313	P	P	19 04 57.5	+0.5
PZH	comp=Z,100nm,6.5s							PLID	comp=Z,4.2nm,0.9s							SHA1	Shidzhatmaz	70.27	313	eP	P	19 05 00.8	+2.8		
WHY	Whitehorse	43.72	43	P	P	19 01 50.8	-0.1	KBL	Kabul	60.98	291	P	P	19 03 58.6	+0.1	AK03	Main Array Si	71.05	325	P	P	19 05 01.7	-0.8		
WMQ	Urumqi	43.83	291	eP	P	19 01 53.5	+1.5	KBL	Kabul	60.98	291	P	P	19 03 58.6	+0.1	AK05	Main Array Si	71.11	325	P	P	19 05 02.2	-0.3		
WMQ	comp=Z,19nm,0.7s							MSO	Missoula	61.01	51	P	P	19 03 58.4	0.0	AKBB	Main Array Si	71.11	325	P	P	19 05 02.1	-0.5		
FARO	Faro, Yukon	44.01	41	P	P	19 01 53.0	0.0	WVOR	Wild Horse Val	61.05	58	P	P	19 04 00.7	+1.9	AKBB	Main Array Si	71.11	325	P	P	19 05 02.1	-0.5		
A36M	Sachs Harbour	44.75	26	I	Amb	19 02 04.0		WVOR	Wild Horse Val	61.05	58	P	P	19 04 00.7	+1.9	AKBB	Main Array Si	71.11	325	P	P	19 05 02.1	-0.5		
A36M	Sachs Harbour	44.75	26	P	P	19 01 58.5	-0.2	SUMG	Summit	61.14	3	P	P	19 03 59.5	+0.3	AKBB	Main Array Si	71.11	325	P	P	19 05 02.1	-0.5		
P33M	Teslin, Yukon	44.83	43	P	P	19 02 01.0	+1.3	SUMG	Summit	61.14	3	P	P	19 03 59.5	+0.3	KIEV	Kiev	71.12	325	P	I	Amb	19 05 01.8	-0.8	
MMPY	Sheldon Lake,	44.83	40	P	P	19 01 59.7	0.0	FFC	Flin Flon	61.84	39	P	I	Amb	P	19 04 05.2	+1.5	KIEV	Kiev	71.12	325	P	P	19 05 02.4	-0.2
C36M	Paulatuk	45.77	30	P	P	19 02 07.3	+0.5	FFC	Flin Flon	61.84	39	P	P	19 04 05.2	+1.5	KIEV	Kiev	71.12	325	P	P	19 05 01.8	-0.8		
MK31	Makanchi Array	45.94	297	P	P	19 02 08.3	-0.2	PNTR	Pine Nut	62.55	61	P	I	Amb	P	19 04 10.9	+2.0	AK01	Main Array Si	71.12	325	P	P	19 05 02.9	+0.3
MK31	Makanchi Array	45.94	297	P	P	19 02 08.4	-0.2	PNTR	comp=Z,5.9nm,0.7s							AK21	Main Array Si	71.12	325	P	P	19 05 03.1	+0.5		
MK31	comp=Z,5.0nm,1.1s							HLID	Halley	62.78	55	P	P	19 04 10.0	-0.4	AK05	Main Array Si	71.18	325	I	Amb	19 05 04.4			
MKAR	Makanchi Array	45.94	297	P	P	19 02 08.8	+0.2	BOZ	Bozeman (W)	63.03	51	P	I	Amb	P	19 04 13.4	+1.4	ASAR	Alice Springs	71.47	197	P	P	19 05 06.7	+1.6
MKAR	comp=Z,0.7nm,0.7s,baz=74,slo=3.7,SNR=4.8							BOZ	Bozeman (W)	63.03	51	P	P	19 04 11.6	-0.4	ASAR	Alice Springs	71.47	197	P	P	19 05 07.1	+2.0		
MKAR	comp=Z,0.6nm,0.9s,baz=73,slo=4.2,SNR=4.1							BOZ	Bozeman (W)	63.03	51	P	P	19 04 13.4	+1.4	MI28	MI28,Pidlybu	71.53	326	P	P	19 05 05.4	+0.3		
MKAR	comp=Z,18.89s,baz=75,slo=37							BOZ	Bozeman (W)	63.03	51	P	P	19 04 11.6	-0.4	SDCO	Great Sand Dun	71.70	54	P	P	19 05 05.6	-1.2		
R33M	Jennings River	45.98	44	I	Amb	19 02 12.7		BMN	Battle Mountain	63.13	59	P	I	Amb	P	19 04 14.6	+1.9	GNI	Garni	71.75	309	i	P	19 05 07.5	+0.6
R33M	Jennings River	45.98	44	P	P	19 02 10.5	+1.7	BMN	Battle Mountain	63.13	59	P	P	19 04 14.6	+1.9	RNPP	Sopachiv	71.82	327	P	P	19 05 06.6	-0.2		
MAKZ	Makanchi	46.13	297	P	P	19 02 10.1	+0.1	BMN	Battle Mountain	63.13	59	P	P	19 04 14.6	+1.9	MI29	MI29, Kamyanyy	71.87	326	P	P	19 05 06.8	-0.4		
MAKZ	Makanchi	46.13	297	P	P	19 02 10.1	+0.1	BMN	Battle Mountain	63.13	59	P	P	19 04 14.6	+1.9	ANN	Anapa	72.05	317	eP	P	19 05 02.5	-5.8		
S34M	Telegraph Cree	46.42	46	P	P	19 02 12.6	+0.6	KVN	Kaiserville	63.48	60	P	I	Amb	P	19 04 16.7	+1.6	ANN	ANN	e	PP	pP	19 05 41.7	-2.4	
KURK	Kurchatov	46.47	303	eP	P	19 02 12.6	0.0	KVN	Kaiserville	63.48	60	P	P	19 04 16.7	+1.6	ANN	ANN	e	S	ppmax	19 14 14.4	-3.3			
KURK	Kurchatov	46.47	303	P	P	19 02 12.6	0.0	VAF	Yliastar	63.52	337	eP	P	19 04 15.6	+0.9	ECSD	EROS Data Cent	72.06	45	P	P	19 05 06.8	-1.7		
TGTR	Hyland Airport	46.51	41	P	P	19 02 12.3	-0.5	KEF	Keuruu	63.59	335	eP	P	19 04 14.6	-0.6	LUBAR	Lubar, Ukraine	72.30	326	P	P	19 05 09.7	-2.0		
KURBB	Kurchatov Arra	46.56	303	P	P	19 02 12.6	-0.7	NVAR	Mina Array Bea	63.75	61	P	P	19 04 18.7	+1.8	ANMO	Albuquerque	73.13	57	P	P	19 05 13.1	-0.1		
WTLY	Watson Lake, Y	46.76	43	P	P	19 02 14.6	-0.2	NVAR	Mina Array Bea	63.75	61	P	P	19 04 18.2	+1.3	Y22D	IRIS PASCAL I	73.47	58	P	P	19 05 14.9	-2.3		
DLBC	Dease Lake	46.77	45	P	P	19 02 14.6	-0.3	FIAT	FINESS Array S	63.79	334	P	P	19 04 16.3	-0.1	Y22F	Pascal Instru	73.47	58	P	P	19 05 14.4	-2.7		
TNCH	TengChong	46.83	262	P	P	19 02 17.5	+1.6	FINES	FINESS Array B	63.80	334	P	P	19 04 16.1	-0.4	SORF	Scheffville	73.48	324	P	P	19 05 17.0	+0.3		
TNCH	comp=Z,3.0nm,0.8s							RLMT	Red Lodge	64.61	51	P	P	19 04 22.9	+0.5	NDNU	Novodnistrovsk	73.51	325	P	P	19 05 17.2	+0.3		
T35M	Bob Quinn	47.21	47	P	P	19 02 17.8	-0.5	DSP	Deep Springs	64.63	62	P	I	Amb	P	19 04 24.1	+1.8	KMPD	K-Podolskiy	73.90	325	P	P	19 05 19.7	+0.6
TOAD	Toad River Com	48.02	43	P	P	19 02 31.2	-0.2	HEL	Helsinki	65.13	334	P	P	19 04 30.7	+5.5	121A	Cookes Peak, D	74.05	60	P	P	19 05 20.1	-0.5		
BVAR	Borovoye Array	50.07	309	P	P	19 02 39.6	-0.5	HEL	Helsinki	65.13	334	P	P	19 04 30.7	+5.5	CBKS	Cedar Bluff	74.09	50	P	P	19 05 17.8	-2.7		
BVAR	comp=Z,1.1nm,0.7s,baz=47,slo=8.7,SNR=8.0							MEF	Metsahovi	65.27	334	eP	P	19 04 26.5	+0.5	SCHO	Schofield	74.13	22	P	P	19 05 21.5	+1.1		
BVAR	comp=Z,0.9nm,0.4s,baz=86,slo=4.3,SNR=4.6							ARBE	Arbavere	65.39	333	eP	P	19 04 27.7	+0.8	GURO	Guroymak-BITLI	74.36	310	P	P	19 05 23.2	+1.0		
BRVK	Borovoye	50.11	309	P	P	19 02 40.1	-0.3	RAF	Rauava	65.40	336	eP	P	19 04 27.4	+0.5	GURO	Guroymak-BITLI	74.36	310	P	P	19 05 23.2	+1.0		
BRVK	Borovoye	50.11	309	eP	P	19 02 40.1	-0.3	HRA	Herat	65.42	295	eP	I	Amb	P	19 04 28.5	+0.7	STNU	Starnia	74.42	327	P	P	19 05 23.4	+1.0
BRVK	Borovoye	50.11	309	P	P	19 02 40.1	-0.3	HRA	Herat	65.42	295	eP	I	Amb	P	19 04 30.3		KSV	Kosov	74.53	327	P	P	19 05 24.6	+1.1
BRVK	comp=Z,3.0nm,1.0s							R11B	Troy Canyon, C	65.44	60	P	P	19 04 29.2	+1.4	OJC	Ojcow	74.99	330	I	Amb	19 05 25.6	+0.2		
CMAR	Chiang Mai Arr	51.02	255	P	P	19 02 49.6	+1.9	R11B	Troy Canyon, C	65.44	60	P	P	19 04 29.2	+1.4	OJC	comp=Z,4.1nm,0.6s	74.99	330	P	P	19 05 26.5	+1.1		
CMAR	comp=Z,1.3nm,0.9s,baz=55,slo=7.9,SNR=9.3							GYA0B	GLIBECK ARRAY	65.66	300	P	P	19 04 30.4	+1.3	OJC	comp=Z,6.2nm,1.4s	74.99	330	P	P	19 05 25.6	+0.2		
CMAR	Chiang Mai Arr	51.02	255	i	P	19 02 50.2	+2.5	MPMC	Manual Prospe	65.77	63	P	P	19 04 30.4	+0.4	OJC	Ojcow	74.99	330	P	P	19 05 25.6	+0.2		
SHL	Shilong	51.05	267	P	I	19 02 49.1	+1.1	DUG	Dugway, Tooele	65.86	57	P	P	19 04 30.6	+0.1	OJC	comp=Z,4.0nm,0.6s	74.99	330	P	P	19 05 25.6	+0.2		
SHL	Shilong	51.05	267	P	I	19 02 51.4		BW06	Boulder Array	66.00	53	P	P	19 04 31.4	0.0	BUR08	Bucovina Ar. S	75.14	326	P	I	Amb	19 05 26.6	+0.1	
SHL	Shilong	51.05	267	P	P	19 02 49.2	+1.1	PDAR	Pinedale Array	66.00	53	P	P	19 04 32.5	+1.1	BUR08	Bucovina Ar. S	75.14	326	P	I	Amb	19 05 26.6	+0.1	
RES	Resolute Bay	51.58	18	P	I	19 02 51.8	+0.7	PDAR	Pinedale Array	66.00	53	P	P	19 04 32.5	+1.1	BURAR	Bucovina Array	75.16	327	P	P	19 05 26.8	+0.3		
RES	Resolute Bay	51.58	18	I	Amb	19 02 54.2		AAL	Aland	66.00	336	eP	P	19 04 34.5	0.0	KOLS	Kolonnic sedl	75.19	328	eP	P	19 05 28.4	+1.8		
RES	Resolute Bay	51.58	18	P	P	19 02 51.8	+0.7	MTSE	Matsula	66.65	333	eP	P	19 04 35.7	+0.8	KOLS	Kolonnic sedl	75.19	328	eP	P	19 05 28.4	+1.8		
RES	Resolute Bay	51.58	18	I	Amb	19 02 54.2		BFSC	Mount Baldy Ra	66.86	64	P	P	19 04 37.0	+0.2	KOLS	Kolonnic sedl	75.19	328	eP	P	19 05 28.4	+1.8		
RES	Resolute Bay	51.58	18	P	P	19 04 04.2	+1.5	CIS	Catalina Islan	66.93	65	P	P	19 04 37.4	+0.2	RAKU	Rakus	75.22	326	P	P	19 05 27.7	+0.9		
YKA	Yellowknife Ar	51.98	36	P	P	19 02 55.7	+1.5	RDUM	Red Mountain	67.47	54	I	Amb	I	Amb	19 04 43.2		TESR	Tescani	75.48	324	P	P	19 05 29.6	+1.3
BOOM	Boomsboye usch	51.99	295	P	P	19 02 55.2	+0.4	ULM	Lac du Bonnet	67.64	40	P	P	19 04 41.6	+0.3	HOLU	Holmets	75.48	328	P	P	19 05 30.1	+1.9		
BOOM	Boomsboye usch	51.99	295	P	P	19 02 55.2	+0.4	ULM	Lac du Bonnet	67.64	40	P	P	19 04 41.6	+0.3	NIE	Niedzica	75.49	329	P	P	19 05 29.8	+1.4		
BOOM	comp=Z,2.5nm,1.3s							GMCR	Garnite Mounta	67.73	63	P	P	19 04 41.9	-0.4	CRVS	Cervenica-Dubn	75.51	328	eP	P	19 05 29.9	+1.5		
SPA1	Spitsbergen Ar	52.72	349	P	P	19 02 58.9	-0.6	WRA	Warramunga Arr	67.77	197	P	P	19 04 4											



Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like HIZ Huiti, MRHZ Matea Rd, TMZ Timaru, etc.

OSPL 28:20:34.31.3z.2.5, h:16.66N:69:42W, h103km, 15km, ML3.1
SDD 28:20:34.32.4z.3.8, 18:67N:69:41W, h93km, 15km, MD3.6, ML3.2, MW3.8

ISC 28:20:34.30.4z.1.4, 18:69N:0:05:69.40W, 0:03, h96km, 96km, n26, s155, 44, 17C-15D, Dominican Republic region

Main table for the 1819 section, listing various stations and their frequencies. Includes stations like MIDR Miches, SDD Santo Domingo, NADR Nagua, etc.

VAO 28:20:49:54.8z.1.0, 33:42S:68:91W, h10km, mb4.5
IDC 28:20:49:55.2z.0.7, 33:06S:68:72W, h0km, mb4.0/10, m1m4, 1/14, ML4.3/4, MS3.2/8, Error ellipse: s-maj=22.8km s-min=15.4km az=96.0

SJA 28:20:49:59.0z.0.7, 33:18S:68:77W, h27km, 2km, ML4.3, MW4.3

NEIC 28:20:50:00.4z.2.5, 33:19S:0:05:68.79W, 0:06, h29km, 4km, mb4.6/34, Mw4.0/6.1, Error ellipse: s-maj=7.8km s-min=7.3km az=127.0, Moment Tensor Solution. Moment tensor: Scale 10^15Nm; Mo:0.99; Mw:0.19; Mw-1.18; Mw-0.35; Mw-0.13; Mw-0.15; Fault plane solution: Mo1.17000x10^15 Np1.39x165.57000°, d51.78000°, l62.72000°. NP2.3x25.37000°, 845.71000°, l120.20000°. Principal axes: T:1.1417, P169.0000°, Azm13.0000°; N:0.0595, P162.0000°, Azm183.0000°; P:-1.2012, P13.0000°, Azm275.0000°.

NEIC 28:20:50:00.4z.3, 33:19S:68:79W, h30km
GUC 28:20:50:02.4z.0.8, 33:20S:69:00W, h32km, 3km, ML4.1

ISC 28:20:49:57.3z.1.0, 33:13S:0:02:66.78W, 0:02, h12km, 6km, n196, s137/240, mb4.5/27, MS3.1/4, 9C-16D, Mendoza Province

Table for the 1819 section, listing various stations and their frequencies. Includes stations like AAGR Agrelo, ARCO CERRO ARCO, AVIZ Vizcachas, etc.

Main table for the 2018 APR section, listing various stations and their frequencies. Includes stations like FCH Farellones, RCH Cerro Valdivia, LMEL Las Melosas, etc.

Main table for the 28d 20h section, listing various stations and their frequencies. Includes stations like AROD Huala, GO05 Huala, GO05 Huala, etc.













1825

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like South End of C, Santa Cruz, Private Proper, etc.

SJA 29 01:39:32.7±0.6, 20°86'S, 69°22'W, h112km, 3km, ML3.6, MW3.7
GUC 29 01:39:34.1±0.4, 20°87'S, 69°15'W, h107km, 2km, ML3.6
IDC 29 01:39:52.6±7.2, 19°27'S, 68°51'W, h232km, 4.5km, mb3.0/2, mbmp3.6/4, Error ellipse: s-maj=98.5km s-min=31.5km az=27.0

Table with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like IPOC Station P, Punta Patache, Diego Aracena, etc.

2018 APR

Main table with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like IPOC Station P, Huaiquique, Chusmiza, Limon Verde, etc.

Table with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Datong, Yeheng, Sanguang, etc.

29d 1h

29d 3h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WHYT Xinyi Township, YULB Yu-hi, EYUL Yuli, etc.

IDC 29 01:46:57.2, 1.9, 6:00S, 142.97E, h0km, mb3.8/4, mbtm3.8/5, ML4.1/1, Error ellipse: s-maj=74.8km

ISC 29 01:46:58.0, 1.8, 6.2S, 0.2, 143.0E, 0.5, h10km, n6, 1916/6, mb3.8/4, New Guinea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA Warramunga Arr, WRA, ASAR Alice Springs, etc.

NEIC 29 02:40:19.7, 2.0, 25:0S, 0.1, 175.2W, 0.1, h13km, 8km, mb4.3/3, Error ellipse: s-maj=23.6km s-min=13.0km

IDC 29 02:40:22.7, 0.6, 24:71S, 176.05W, h0km, mb4.2/16, mbtm3.4/17, ML3.4/1, MS3.7/5, Error ellipse: s-maj=23.0km s-min=19.2km az=87.0

ISC 29 02:40:21.5, 0.7, 24:7S, 0.1, 175.21W, 0.07, h10km, n43, az=272.30, mb4.0, MS4.0/5, 4C, South of Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like NIUE Niue, MSFV Ronsavu, etc.

2018 APR

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DZM Mont Dzumac, RPZ Rata Peaks, TBI Tubuai, etc.

IDC 29 02:44:54.0, 4.8, 5:62S, 147.50E, h48km, 44km, mb3.6/3, mbtm3.5/5, ML2.7/1, MS2.9/1, Error ellipse: s-maj=52.6km

ISC 29 02:44:52.5, 1.3, 5.5S, 0.1, 147.3E, 0.4, h35km, n6, 1917/7, mb3.9/3, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PMG Port Moresby, PMG, ASAR Alice Springs, etc.

IDC 29 02:48:27.2, 2.7, 53.90N, 161.20W, h0km, mb3.8/8, mbtm3.7/9, ML2.9/1, MS3.3/2, Error ellipse: s-maj=64.1km

NEIC 29 02:48:33.4, 0.5, 54:27N, 0.04, 161.45W, 0.02, h6km, 9km, s-min=1.3km az=179.0

AEIC 29 02:48:34.6, 0.9, 54:27N, 0.04, 161.45W, 0.04, h2km, 5km, Error ellipse: s-maj=5.8km s-min=2.6km az=155.0

ISC 29 02:48:32.1, 1.5, 54:19N, 0.06, 161.44W, 0.03, h16km, 8km, n94, c153/93, mb3.9/3, Alaska Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HAG Hague Volcano, PSAA Pavlov South-4, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like FALS False Pass, FALS, FALS, etc.

IDC 29 03:05:37.3, 4.0, 1.7:60S, 178.42W, h521km, 45km, mb3.3/9, mbtm4.2/10, Error ellipse: s-maj=26.2km s-min=18.8km

NEIC 29 03:05:38.3, 1.9, 17:9S, 0.1, 178.3W, 0.1, h532km, 9km, mb4.3/24, Error ellipse: s-maj=21.0km s-min=13.4km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PETK Petropavlovsk-, YKA Yellowknife Ar, MA2 Magadan, etc.



RAR	LR	LR	03 23 07.4
comp=Z,67nm,18.9s,baz=280,slow=38 13nm,0.7s			
DZM	LR	LR	03 22 17.9
Mont Dzumac 16.30 269 LR comp=Z,73nm,20.5s,baz=198,slow=33			
URZ	P	P	03 17 22.8 -0.3
Urewera 16.60 199 Pn 1.6nm,0.3s,baz=45,slow=20,SNR=6.5			
URZ	Sn	Sn	03 20 19.6 -5.4
1.0nm,0.3s,baz=307,slow=20,SNR=1.8 7.9nm,0.4s			
KHZ	P	P	03 18 16.4 -0.6
Kahutara 21.52 202 P Rata Peaks 23.54 204 LR			
RPZ	LR	LR	03 28 35.3
comp=Z,459nm,19.7s,baz=40,slow=38			
FOZ	P	P	03 18 41.2 -0.3
Fox Glacier 23.89 206 P comp=Z,2.0nm,1.0s			
PPT	IAMB	IAMB	03 28 42.2
Papeete 25.26 83 LR comp=Z,57nm,18.1s,baz=272,slow=36			
STKA	LR	LR	03 35 06.9
Stephens Creek 38.62 247 LR comp=Z,114nm,18.6s,baz=188,slow=34			
AS31	P	P	03 21 51.5 +0.5
Alice Springs 45.91 259 P			
ASAR	P	P	03 21 50.9 -0.2
Alice Springs 45.92 259 P			
ASAR	P	P	03 21 51.6 +0.5
comp=Z,2.3nm,0.7s,baz=37,slow=7.3,SNR=27			
ASAR	LR	LR	03 39 36.0
comp=Z,1.05nm,18.1s,baz=147,slow=34 comp=Z,2.3nm,0.7s			
WR0	P	P	03 21 51.0 -1.0
Warramunga Arr 46.04 264 P comp=Z,1.1nm,1.3s			
WB2	IAMB	IAMB	03 22 25.1
Warramunga Arr 46.21 264 P comp=Z,6.2nm,1.0s			
WB0	P	P	03 21 53.2 -0.2
Warramunga Arr 46.22 264 P			
WRA	P	P	03 21 53.3 -0.2
Warramunga Arr 46.23 264 P comp=Z,1.7nm,1.0s,baz=104,slow=8.5,SNR=18 comp=Z,1.7nm,1.0s			
SBA	P	P	03 23 04.2 -0.6
Scott Base 55.81 184 P comp=Z,2.3nm,0.7s,baz=37,slow=7.3,SNR=27			
SBA	IAMB	IAMB	03 23 44.7
Vanda 55.90 186 P comp=Z,7.5nm,1.4s			
VNDA	P	P	03 23 03.8 -1.5
Vanda 55.90 186 P comp=Z,6.5nm,1.4s			
VNDA	IAMB	IAMB	03 23 26.8
Vanda 55.90 186 P comp=Z,0.3nm,0.8s,baz=31,slow=7.0,SNR=1.7			
VNDA	LR	LR	03 46 23.5
comp=Z,43nm,18.8s,baz=10,slow=35 comp=Z,0.3nm,0.8s			
QSPA	P	P	03 24 22.8 -0.3
South Pole Qui 67.37 180 P comp=Z,5.6nm,1.4s			
QSPA	IAMB	IAMB	03 24 27.4
South Pole Qui 67.37 180 P comp=Z,1.5nm,1.0s,baz=104,slow=8.5,SNR=2.6			
QSPA	LR	LR	03 49 43.7
comp=Z,63nm,20.6s,baz=44,slow=32 comp=Z,1.5nm,1.0s			
MJAR	P	P	03 24 58.3 -0.2
Matsushiro Arr 73.12 323 P comp=Z,1.2nm,0.7s,baz=142,slow=6.2,SNR=5.4 comp=Z,1.2nm,0.7s			
NIKH	P	P	03 25 10.0 -2.6
Nikolski High 75.62 4 P baz=187			
UNV	P	P	03 25 16.2 -2.4
Unalaska Valle 76.68 6 P baz=189			
BELA	P	P	03 25 21.8 +0.7
Belgrano 2 77.12 172 P			
SNCC	P	P	03 25 23.5 +0.3
San Nicolas Is 77.38 46 P baz=232			
SBC	P	P	03 25 26.3 -0.2
Santa Barbara 77.99 45 P baz=232			
CHNA	P	P	03 25 26.3 -2.5
Chernabura Isl 78.49 10 P baz=195			
PETK	P	P	03 25 31.4 +0.3
Petrovlovsk 78.90 344 P comp=Z,4.7nm,0.9s,baz=177,slow=2.5,SNR=2.3 comp=Z,4.7nm,0.9s			
LPIG	LR	LR	03 56 01.5
La Paz 78.92 58 LR comp=Z,1.10nm,18.2s,baz=218,slow=32			
MURC	P	P	03 25 33.7 +0.7
Murieta 79.14 47 P baz=233			
P08K	P	P	03 25 29.7 -2.8
Saint George I 79.19 4 P baz=186			
BFSC	P	P	03 25 34.4 +0.9
Mount Baldy Ra 79.22 46 P baz=233			
MONP2	P	P	03 25 35.5 +1.7
Monument Peak 79.25 48 P baz=234			
EDW2	P	P	03 25 36.4 +2.1
Edwards Air Fo 79.38 45 P baz=233			
ISA	P	P	03 25 36.3 +1.2
Isabella, Lake 79.54 44 P baz=232			
S14K	P	P	03 25 33.9 -2.7
Fog Glacier 79.91 9 P baz=195			
RRX	P	P	03 25 38.9 +1.2
Edison Barstow 80.03 46 P baz=233			
MAW	LR	LR	03 59 10.4
Mawson 80.13 199 LR comp=Z,80nm,20.3s,baz=93,slow=34			
BELC	P	P	03 25 40.9 +2.1
Belle Mtn. Jos 80.19 47 P baz=234			
CWC	P	P	03 25 40.5 +1.3
Cottonwood Cre 80.27 44 P baz=232			
BC3	P	P	03 25 40.9 +1.3
Big Chuckawall 80.35 47 P baz=234			
GSC	P	P	03 25 40.7 +0.8
Goldstone, Bar 80.41 45 P baz=233			
MPMC	P	P	03 25 41.3 +1.3
Manual Prospec 80.42 44 P baz=233			
HEC	P	P	03 25 41.9 +1.9
Hector, Ludlow 80.44 46 P baz=234			
IRM	P	P	03 25 43.9 +1.7
Iron Mountain 80.85 47 P baz=234			
GMRC	P	P	03 25 44.3 +1.9
Granite Mounta 80.87 46 P baz=234			
GRAC	P	P	03 25 44.4 +1.1
Grapevine Rang 81.06 44 P baz=233			
FURC	P	P	03 25 44.7 +1.5
Furnace Creek, 81.07 44 P baz=233			
NVAR	P	P	03 25 46.1 +1.1
Mina Array Bea 81.34 42 P comp=Z,2.9nm,0.9s,baz=224,slow=8.7,SNR=16 comp=Z,2.9nm,0.9s			
PDMC1	P	P	03 25 48.0 +1.8
Parker Dam, Lak 81.62 48 P baz=234			
KVN	P	P	03 25 47.3 -0.3
Kaiserville 81.85 42 P comp=Z,5.3nm,1.1s			
KVN	IAMB	IAMB	03 25 50.1
Q17K	P	P	03 25 48.4 -1.4
Contact Creek 82.38 11 P baz=198			
Q16K	P	P	03 25 50.5 -0.5
King Salmon 82.65 10 P baz=198			
P16K	P	P	03 25 50.7 -1.0
Nushagak River 82.78 9 P baz=195			
TUC	P	P	03 25 56.1 +3.2
Tucson 82.86 51 P baz=237			
R11B	P	P	03 25 55.0 +1.4
Troy Canyon, C 83.00 44 P baz=194			
N14K	P	P	03 25 53.1 -0.5
Kuskokwak Cree 83.16 7 P baz=193			
H03S2	T	T	04 57 21.6
Juan Fernandez 83.17 124 T baz=246,slow=75,SNR=137			
M11K	P	P	03 25 53.2 -0.5
Mekoyuk 83.18 5 P baz=189			
P17K	P	P	03 25 52.9 -0.8
Kvichak River 83.18 10 P baz=198			
H03S1	T	T	04 57 21.2
Juan Fernandez 83.18 124 T baz=246,slow=75,SNR=176			
H03S3	T	T	04 57 19.9
Juan Fernandez 83.19 124 T baz=246,slow=75,SNR=147			
BMN	P	P	03 25 54.2 -0.5
Battle Mountal 83.23 41 P baz=194			
O16K	P	P	03 25 53.9 -0.5
Kokwok River B 83.31 9 P baz=196			
Q20K	P	P	03 25 53.8 -0.8
Shuyak Island 83.34 12 P baz=202			
Q19K	P	P	03 25 54.5 -0.5
Cape Douglas, 83.41 11 P baz=209			
M13K	P	P	03 25 55.7 +0.6
Dall Lake 83.46 6 P baz=192			
P18K	P	P	03 25 54.7 -1.1
Big Mountain, 83.57 10 P baz=199			
N15K	P	P	03 25 55.8 -0.1
Kwethluk River 83.59 8 P baz=195			
O17K	P	P	03 25 56.4 +0.4
Koliganek Bris 83.63 9 P baz=187			
M14K	P	P	03 25 57.4 -0.2
Bethel 83.94 7 P baz=193			
O18K	P	P	03 25 57.4 -0.6
Koktuk Hills 84.01 10 P baz=199			
M15K	P	P	03 25 57.6 -0.5
Kasigluk River 84.03 7 P baz=194			
WUAZ	P	P	03 26 01.3 +1.6
Wupatki 84.18 48 P baz=237			
L14K	P	P	03 26 00.3 +0.1
Kuka Creek 84.44 6 P baz=192			

O19K	P	P	03 25 59.7 -0.7
Port Alsworth 84.48 11 P baz=200			
M16K	P	P	03 25 60.0 -0.9
Timber Creek 84.57 8 P baz=196			
ELK	P	P	03 26 01.8 -0.2
Elko 84.63 42 P IAMB IAMB			
comp=Z,5.2nm,1.1s			
N18K	P	P	03 26 00.9 -0.6
Kilae Creek 84.68 10 P baz=198			
BRSE	P	P	03 26 00.4 -1.3
Graded Lake S 84.72 13 P baz=203			
K13K	P	P	03 26 01.9 -0.2
Kusilvak Mount 84.84 5 P baz=190			
L15K	P	P	03 26 02.4 0.0
Ungalak MOUNTA 84.90 7 P baz=193			
N19K	P	P	03 26 02.7 -0.6
Bonanza Creek 85.03 10 P baz=200			
W18A	P	P	03 26 06.4 +2.0
Petrified Fore 85.10 49 P baz=239			
M17K	P	P	03 26 03.6 -0.1
Holitna River 85.14 9 P baz=197			
L16K	P	P	03 26 03.2 -0.6
Owhat River 85.17 8 P baz=195			
SEW	P	P	03 26 03.9 -0.6
Seward 85.31 13 P baz=204			
Q23K	P	P	03 26 04.1 -0.9
Middleton Isla 85.39 15 P baz=202			
M18K	P	P	03 26 05.2 -0.1
Stony River 85.46 10 P baz=198			
K15K	P	P	03 26 04.9 -0.5
Wolf Creek Mou 85.49 7 P baz=193			
L17K	P	P	03 26 07.1 +0.5
Donlin 85.73 8 P baz=196			
J14K	P	P	03 26 06.9 +0.3
Navaranak Lak 85.74 6 P baz=191			
SNAA	LR	LR	04 02 50.5
Sanae 85.75 178 LR comp=Z,2.23nm,19.2s,baz=197,slow=34			
N20K	P	P	03 26 06.0 -1.0
Mount Spurr 85.79 11 P baz=202			
DUG	P	P	03 26 09.2 +1.4
Dugway, Tooele 85.82 43 P baz=195			
L18K	P	P	03 26 08.8 +0.7
Granite Mounta 86.03 9 P baz=198			
M19K	P	P	03 26 08.9 +0.5
Big River Lodg 86.08 10 P baz=200			
RC01	P	P	03 26 09.0 +0.2
Rabbit Creek A 86.16 12 P baz=204			
GAMB	P	P	03 26 09.3 +0.2
Gambell 86.27 2 P baz=184			
M20K	P	P	03 26 08.4 -1.0
Sly River 86.27 11 P baz=201			
L19K	P	P	03 26 09.5 +0.2
White Mountain 86.27 10 P baz=199			
K17K	P	P	03 26 09.3 0.0
Iditarod 86.29 8 P baz=196			
SUA	P	P	03 26 08.9 -0.7
Susitna One 86.31 12 P baz=203			
PLCA	LR	LR	03 55 43.2
Paso Flores 86.37 133 LR comp=Z,1.1nm,19.8s,baz=197,slow=29			
EYAK	P	P	03 26 09.8 -0.7
Cordova Ski Ar 86.52 14 P baz=208			
J16K	P	P	03 26 10.6 -0.1
Anvik River 86.56 7 P baz=195			
SKT	P	P	03 26 11.4 +0.3
Skwentna 86.64 11 P baz=202			
TXAR	P	P	03 26 13.6 +1.5
Lajitas Array 86.66 56 P comp=Z,2.9nm,1.0s,baz=213,slow=6.3,SNR=20 comp=Z,2.9nm,1.0s			
M22K	P	P	03 26 12.0 +0.7
Willow 86.69 12 P baz=204			
L20K	P	P	03 26 11.7 +0.2
Farewell, AK 86.70 10 P baz=209			
KNK	P	P	03 26 12.0 +0.5
Kniq Glacier 86.71 13 P baz=205			
PMR	P	P	03 26 11.3 -0.2
Palmer 86.74 12 P baz=204			
HLID	P	P	03 26 14.5 +2.0
Hail 86.77 40 P baz=234			
TTA	P	P	03 26 11.7 -0.3
Tatalina 86.81 9 P baz=198			
J17K	P	P	03 26 11.6 -0.5
VADM Dome 86.85 8 P baz=195			
WRAK	P	P	03 26 13.8 +0.8
Wrangell Islan 87.00 23 P baz=219			
I17K	P	P	03 26 14.2 +0.7
Unalakleet 87.14 7 P baz=194			
BMRM	P	P	03 26 14.0 +0.3
Bremner River 87.16 15 P baz=209			
M23K	P	P	03 26 13.7 -0.2
Glacier View 87.21 13 P baz=206			
J18K	P	P	03 26 13.0 -0.9
Innoko River 87.22 9 P baz=198			
CUT	P	P	03 26 14.4 +0.3
Chulitna 87.26 12 P baz=204			
ANMO	P	P	03 26 17.5 +2.1
Albuquerque 87.31 50 P baz=240			
SCM	P	P	03 26 14.2 -0.4
Sheep Creek Mo 87.33 13 P baz=206			
K20K	P	P	03 26 15.2 -0.1
Telida 87.50 10 P baz=200			
H16K	P	P	03 26 15.9 -0.3
Elim 87.72 6 P baz=192			
N25K	P	P	03 26 16.0 -0.5
Chitina, Valde 87.72 14 P baz=201			
M24K	P	P	03 26 16.6 -0.3
Tolsona, Glenn 87.82 14 P baz=207			
P29M	P	P	03 26 17.0 0.0
Windy Craggy 87.82 18 P baz=215			
J19K	P	P	03 26 17.1 0.0
Poorman 87.87 9 P baz=199			
CAST	P	P	03 26 16.7 -0.4
Castle Rocks 87.88 10 P baz=202			
G15K	P	P	03 26 17.4 +0.2
Niutuk 87.91 5 P baz=191			
WAT6	P	P	03 26 16.6 -0.9
Susitna Watana 87.92 13 P baz=206			
CTG	P	P	03 26 16.9 -0.8
China Glacier 87.96 16 P baz=212			
WAT1	P	P	03 26 17.1 -0.5
Susitna Watana 87.98 12 P baz=205			
NEW	P	P	03 26 19.4 +1.0
Newport 88.06 35 P comp=Z,96nm,21.6s,baz=233,slow=30			
NEW	LR	LR	03 57 36.1
Newport 88.06 35 LR			
PLBC	P	P	03 26 17.5 -0.6
Pleasant Camp 88.09 19 P baz=210			
O28M	P	P	03 26 17.7 -0.8
Mount Upton 88.09 17 P baz=212			
T35M	P	P	03 26 19.0 +0.3
Bob Quinn 88.18 23 P baz=221			
TNA	P	P	03 26 18.9 +0.4
Tin City 88.21 3 P baz=187			
F14K	P	P	03 26 18.4 -0.3
Arctic Creek 88.22 4 P baz=189			
TRF	P	P	03 26 18.0 -1.0
Thorofare Moun 88.22 11 P baz=203			
H17K	P	P	03 26 18.2 -0.6
Granite Mounta 88.24 7 P baz=195			
J20K	P	P	03 26 18.3 -0.6
Nowitna River 88.26 9 P baz=202			
CHUM	P	P	03 26 19.1 +0.1
Lake Minchumim 88.27 10 P baz=202			
DHY	P	P	03 26 19.9 0.0
Denali Highway 88.43 13 P baz=210			
P30M	P	P	03 26 20.1 +0.1
Million Dollar 88.45 18 P baz=215			
S34M	P	P	03 26 20.8 +0.4
Telegraph Cree 88.57 22 P baz=220			
H18K	P	P	03 26 20.7 +0.1
Hottona River 88.63 7 P baz=196			
YUK8	P	P	03

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like H27K Steamboat Moun, G26K Porcupine River, C26K Chiang Mai Arr, etc.

VAO 29 03:13:26.0,9,20:105:68:90W,h10km,mb4.2
SJA 29 03:13:35.9,0.5,21:103:68:57W,h144km,3km,ML3.8,
MW3.7
GUC 29 03:13:36.6,0.6,21:04S:68:58W,h131km,3km,ML3.8
IDC 29 03:13:37.0,9,21:13S:68:01W,h12km,13km,mb3.5/2,
mbmp3.9/6,MS3.5/3,Error ellipse: s-maj=24.2km
s-min=11.2km az=106.0

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like PBO1 IPOC Station P, PBO1 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like PBO8 IPOC Station P, PBO8 IPOC Station P, etc.

IDC 29 03:33:38.6,5.1,1:21S:91:18W,h0km,mb3.6/6,
mbmp3.6/6,MS3.4/4,Error ellipse: s-maj=111.7km
s-min=27.5km az=180.0
IGQ 29 03:33:40.6,0.0,0:8S:0:1:91:1W:0.1,h0km
IDC 29 03:33:41.1,1.4,0:8S:0:06:91.07W:0.05,h1km=10km,
n24,az63/15,mb3.7/6,Galapagos Islands

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like VCH1 Volcan Chico, VCH1 Puerto Villami, etc.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like FERR1 Fernandina1, I20EC Galapagos, etc.

CATAC 29 03:38:18.7,0.4,9:44N:84:49W,h10km,4km,ML3.0
UCR 29 03:38:19.3,1.2,9:47N:84:51W,h9km,4km,MW3.8
ISC 29 03:38:19.4,1.0,9:46N:0:04:84:50W:0:02,h18km,n54,
c075/63,Costa Rica

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





Table with columns: BTK, Station Name, Time, Az, El, P, Max, Az, El, P, Max. Rows include stations like Batken, Elimali, Karamyk, Kuratay Array, etc.

Table with columns: Station Name, Time, Az, El, P, Max, Az, El, P, Max. Rows include stations like ARCES ARCESS Array B, CMAR Chiang Mai Arr, CRAI Chiangrai, etc.

Table with columns: Station Name, Time, Az, El, P, Max, Az, El, P, Max. Rows include stations like H11S3 WAKE ISLAND HY 22.14, H11S1 WAKE ISLAND HY 22.16, etc.

BUI 29 03:44:04.8s:0.0,12:78N,144:65E, h61km, mb5.0/67, mb4.9/92, Ms4.2/25, Ms7.4/30
IDC 29 03:44:09.7:0.8, 12:99N:144:26E, h70km, mb4.5/42, mbmp4.8/43, MS3.8/59, Error ellipse: s-maj=11.4km
NEIC 29 03:44:09.3:1.4, 12:91N:0:06:144:30E:0.10, h65km, mb4.9/316, Error ellipse: s-maj=13.6km s-min=8.7km az=99.0
DJA 29 03:44:09.6:0.3, 13:12N:14:4E:1, h74km, mb4.5/66, mb5.8/15, mb5.2/66, MLV4.8/1, Mw(mb)5.3/16
GCMT 29 03:44:10.3:0.3, 12:76N:0:02:144:16E:0.02, h43km, mb4.9/64, Moment Tensor Solution. s47;c54; s64;c75; Duration: 0 Moment tensor: Scale 10^16Nm; M2: 0.22: -1.6; M3: -0.03: 1.0; M4: -2.32: 1.0; M5: 0.13: 0.9; M6: 0.21: 1.0; M7: 0.71: 1.2; Best double couple: M3: 0.0200: 1016 NP1: 359.0000: 852.0000: 1.94.0000: NP2: 172.0000: 838.0000: 1.85.0000: Principal axes: T 3.0150, Plg82.0000; Azm293.0000; N -0.0240, Plg3.0000; Azm177.0000; P -2.9900, Plg7.0000; Azm86.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function
ISC 29 03:44:09.6:0.4, 12:90N:0:04:144:41E:0:05, h73km, mb3.9/1, h73km: p-P, n794, c988714, mb4.9/223, 10C-5D, South of Mariana Islands



Q19K	baz=239 Cape Douglas,	64.69	30	P	P	03 54 38.0	-1.7	KNK	Knik Glacier baz=256	67.87	29	P	P	03 54 59.4	-0.6	MESA	MESA baz=262	70.77	31	P	P	03 55 17.6	-0.6	
O19K	Port Alsworth baz=252	64.77	29	P	P	03 54 38.9	-1.3	MLY	Manley baz=252,SNR=8.9	67.87	25	P	P	03 54 59.4	-0.6	KBL	Kabl KBL	70.82	302	P	Iamb	P	03 55 16.9	-2.2
C17K	DeLong Mountai baz=239	64.81	19	P	P	03 54 39.7	-0.7	H22K	Ishitina Cre baz=252	67.88	24	P	P	03 55 00.2	+0.1	BMAR	Burnt Mountain	70.91	23	P	P	03 55 18.9	+0.2	
KURK	Kurchatov	64.82	320	P	Iamb	03 54 40.2	-0.6	SML	Sawmill	68.02	28	P	Iamb	03 55 00.5	-0.5	I26K	Coal Creek Min baz=260	71.04	25	P	P	03 55 19.3	-0.1	
KURKB	comp=Z,18nm,0.6s Kurchatov Arra comp=Z,20nm,0.7s,baz=103,slow=6.5,SNR=126	64.86	320	P	Iamb	03 54 40.4	-0.6	SML	Sawmill baz=256	68.02	28	P	Iamb	03 55 00.6	-0.5	G26K	Porcupine Riv baz=260	71.11	23	P	P	03 55 19.9	0.0	
KURBB	comp=Z,16nm,18.8s,baz=154,slow=37 comp=Z,20nm,0.7s	64.88	25	P	P	04 24 10.4		B21K	Ikpiyak River baz=24	68.07	19	P	P	03 55 01.0	-0.1	M27K	Edge Creek, AK Edge Creek, AK	71.11	28	P	P	03 55 19.7	-0.5	
J18K	Innok River	64.88	25	P	P	03 54 40.8	0.0	F22K	John River baz=250,SNR=14	68.12	22	P	P	03 55 01.7	+0.2	M27K	Edge Creek, AK Edge Creek, AK	71.11	28	P	P	03 55 20.0	-0.1	
KDAK	Kodiak Island baz=247	64.89	32	P	Iamb	03 54 41.2	+0.2	BWN	Browne	68.14	26	Iamb	Iamb	03 55 02.8		F26K	Sheenjek River baz=250,SNR=3	71.13	22	P	P	03 55 19.9	-0.2	
KDAK	comp=Z,18nm,1.2s Kodiak Island	64.89	32	P	Iamb	03 54 43.8		G22K	Bettes baz=255	68.17	22	P	P	03 55 01.9	+0.1	CTG	Chitna Glacie baz=263	71.17	30	P	Iamb	03 55 20.2	-0.4	
KDAK	comp=Z,18nm,1.2s Kodiak Island	64.89	32	P	P	03 54 40.7	-0.3	WAT1	Susitna Watana baz=255	68.18	27	P	P	03 55 02.1	+0.1	CTGM	Chitina Glacie baz=263	71.17	30	P	Iamb	03 55 21.0	+0.4	
KDAK	comp=Z,18nm,1.2s Kodiak Island	64.89	32	P	P	03 54 41.5	+0.5	MCK	McKinley baz=255	68.25	26	P	P	03 55 02.7	+0.3	CTGM	Chitina Glacie baz=263	71.17	30	P	Iamb	03 55 23.9		
KDAK	comp=Z,4.1nm,0.4s,baz=249,slow=3.2,SNR=15	64.89	32	P	P	04 19 50.4		M23K	Glacier View baz=256	68.30	28	P	P	03 55 02.8	+0.1	BCAR	Beaver Creek A Chicken	71.26	28	P	P	03 55 21.1	+0.2	
N19K	Bonanza Creek baz=251	64.89	28	P	P	03 54 40.5	-0.6	GLI	Glacier Island baz=257	68.39	29	P	P	03 55 03.6	+0.3	K27K	Beaver Creek A Chicken	71.28	26	P	P	03 55 21.5	+0.5	
H18K	Honhosa River baz=245	64.91	23	P	P	03 54 40.5	-0.6	NEA2	Nena baz=254	68.42	25	P	P	03 55 03.9	+0.5	LOGN	Logan Glacier comp=Z,6.6nm,0.7s	71.36	20	P	P	03 55 21.9	+0.6	
TTA	Tatalina baz=248	64.97	26	P	P	03 54 41.0	-0.6	D22K	Aiyikyak River baz=250	68.43	20	P	Iamb	03 55 03.7	+0.3	C26K	Camden Bay baz=256,SNR=7.6	71.69	29	P	P	03 55 23.6	-0.1	
F18K	Selawik	65.07	21	P	P	03 54 42.0	0.0	D22K	Aiyikyak River baz=249,SNR=8.3	68.43	20	P	P	03 55 03.9	+0.5	C27K	Jago River baz=258,SNR=6.2	71.70	21	P	P	03 55 24.1	+0.7	
P19K	Oil Pt baz=252	65.11	30	P	P	03 54 41.6	-0.9	Q23K	Middleton Isla baz=259	68.45	31	P	P	03 55 03.7	0.0	O28M	Mount Upton baz=264	71.70	30	P	P	03 55 23.3	-0.7	
G18K	Tagagawik baz=244,SNR=6.5	65.12	22	P	P	03 54 41.6	-0.8	I23K	Minto Yukon-K baz=254	68.46	25	P	P	03 55 03.2	-0.4	I27K	Kandik River baz=261	71.72	25	P	P	03 55 23.7	0.0	
E18K	Tukpahleik C baz=242,SNR=5.9	65.20	27	P	P	03 54 41.1	-1.2	E22K	Anaktuvuk Pass comp=Z,6.0nm,0.7s	68.47	21	P	Iamb	03 55 05.3		EGAK	Eagle baz=262	71.79	26	P	P	03 55 24.3	+0.3	
L19K	White Mountain baz=250	65.20	27	P	P	03 54 41.8	-1.2	E22K	Anaktuvuk Pass baz=250	68.47	21	P	P	03 55 03.3	-0.3	H27K	Steamboat Moun baz=261,SNR=14	71.86	24	P	P	03 55 25.1	+0.6	
Q20K	Shuyak Island baz=254	65.22	31	P	P	03 54 42.3	-0.9	WAT6	Susitna Watana baz=256	68.48	27	P	P	03 55 03.4	-0.7	G27K	Doyoy Strip baz=260	71.91	24	P	P	03 55 24.8	0.0	
SYI	Shuyak Island	65.22	31	P	P	03 54 42.8	-0.3	SCM	Sheep Creek Mo SCM	68.49	28	P	Iamb	03 55 04.0	0.0	YUK8	Steele Glacier baz=264	71.97	30	P	P	03 55 25.3	-0.2	
M19K	Big River Isld baz=250	65.30	27	P	P	03 54 42.5	-1.2	SCM	Sheep Creek Mo baz=257	68.49	28	P	P	03 55 05.0	0.0	PNL	Peelinda baz=265	71.99	31	P	P	03 55 25.3	-0.1	
KSH	Kashi	65.31	308	P	pmax	03 54 47.0	+2.7	H23K	Yukon River baz=257	68.58	24	P	P	03 55 03.0	-1.0	E27K	Coleen River baz=260	72.17	22	P	P	03 55 26.4	+0.1	
GCSA	comp=Z,10.0nm,0.7s Galena City Sc baz=247	65.31	24	P	P	03 54 42.8	-0.9	G23K	Bananza Creek baz=252,SNR=6.6	68.66	23	P	P	03 55 03.6	-0.4	I28M	Miner Creek baz=262	72.39	25	P	P	03 55 27.7	-0.1	
C18K	Utukok River baz=241	65.52	19	P	P	03 54 44.5	-0.5	B22K	Teshepkuk Lake baz=248	68.73	19	P	Iamb	03 55 04.7	-0.4	DAWY	Dawson baz=263,SNR=6.6	72.45	27	P	P	03 55 28.4	+0.3	
J19K	Poorman baz=248	65.53	25	P	P	03 54 44.6	-0.5	B22K	Teshepkuk Lake comp=Z,9.7nm,0.8s	68.73	19	P	Iamb	03 55 06.4	-0.4	YUK4	Talbot Arm baz=255,SNR=6.3	72.51	29	P	P	03 55 28.6	0.0	
O20K	Slope Mountain baz=253	65.54	29	P	P	03 54 43.7	-1.5	D22K	Teshepkuk Lake baz=248	68.73	19	P	P	03 55 04.4	-0.8	D27M	Malcolm River baz=260	72.58	21	P	P	03 55 28.7	0.0	
BOOM	Boomskeye usch comp=Z,9.2nm,1.2s	65.59	311	Iamb	Iamb	03 54 48.0		COLD	Coldfoot baz=259,SNR=6.6	68.75	22	P	P	03 55 04.6	-0.9	D27M	Malcolm River baz=260	72.58	21	P	P	03 55 28.5	-0.2	
B18K	Kokokil River baz=240	65.69	18	P	P	03 54 45.2	-0.9	DHY	Denali Highway baz=256	68.76	27	P	P	03 55 04.8	-1.0	YUK6	Outpost Mounta baz=265,SNR=6.4	72.61	30	P	P	03 55 29.0	-0.3	
L20K	Farewell, AK baz=250	65.72	27	P	P	03 54 45.3	-1.1	WRH	Wood River Hill comp=Z,9.0nm,1.1s	68.80	25	Iamb	Iamb	03 55 08.4		M29M	Somme Creek baz=265,SNR=5.0	72.70	28	P	P	03 55 29.7	-0.1	
H19K	Roundabout Mou baz=247,SNR=5.5	65.79	23	P	P	03 54 46.9	+0.2	EYAK	Cordova Ski Ar baz=259	68.87	30	P	P	03 55 06.3	-0.6	F28M	Old Crow baz=265,SNR=5.0	72.72	23	P	P	03 55 29.2	-0.3	
G19K	Purcell Mounta comp=Z,8.1nm,0.8s	65.80	22	Iamb	Iamb	03 54 47.6		COLA	College baz=255	69.00	25	P	P	03 55 06.7	-0.3	P29M	Windy Craggy baz=266	72.82	31	P	P	03 55 31.0	+0.7	
G19K	Purcell Mounta baz=246,SNR=1.1	65.80	22	P	P	03 54 46.9	+0.1	KLU	Klutina baz=258	69.07	29	P	P	03 55 06.9	-0.7	L29M	L29M comp=Z,8.6nm,0.8s	72.91	28	Iamb	Iamb	03 55 34.3		
F19K	Shalerucik Mo baz=245	65.84	22	P	P	03 54 47.1	0.0	M24K	Tolsona, Glenn baz=258	69.08	28	P	P	03 55 07.0	-0.7	L29M	L29M baz=265,SNR=11	72.91	28	P	P	03 55 31.0	+0.2	
M20K	Styx River	65.86	27	P	P	03 54 47.5	+0.1	D23K	Nanushuk River baz=251	69.14	20	P	P	03 55 07.3	-0.5	E28M	Babbage River baz=265,SNR=6.4	72.99	22	P	P	03 55 31.5	+0.4	
M20K	Styx River	65.86	27	P	P	03 54 47.1	-0.3	E23K	Chandalar baz=252	69.22	22	P	P	03 55 07.7	-0.8	J29N	Klondike Camp baz=264	73.00	26	P	P	03 55 31.4	0.0	
HOM	Homer baz=254	65.89	30	P	P	03 54 47.1	-0.3	POKR	Poker Plat Res baz=252	69.24	25	P	P	03 55 08.8	+0.3	HYT	Haines Junctio baz=266,SNR=6.6	73.02	30	P	P	03 55 30.9	-0.6	
K20K	Telida comp=Z,7.4nm,0.8s	65.94	26	Iamb	Iamb	03 54 49.9		H24K	Noodor Dome baz=255	69.24	24	P	P	03 55 08.0	-0.6	H29M	Whitestone baz=267	73.13	24	P	P	03 55 31.2	-0.8	
K20K	Telida baz=250,SNR=7.5	65.94	26	P	P	03 54 47.6	-0.2	BDK	Harding Lake baz=255	69.27	26	P	P	03 55 07.9	-0.8	P30M	Million Dollar baz=267	73.25	31	P	P	03 55 33.0	+0.1	
N20K	Mount Spurr baz=253	66.07	28	P	P	03 54 47.4	-1.3	HTA	Batken	69.29	308	P	Iamb	03 55 08.3	-1.1	K29M	Barlow Dome baz=267	73.25	27	P	P	03 55 33.5	+0.7	
J20K	Nownita River baz=250	66.20	25	P	P	03 54 48.9	-0.5	BTk	Batken	69.29	308	P	Iamb	03 55 11.0		K29M	Barlow Dome baz=267	73.25	27	P	P	03 55 33.2	+0.3	
C19K	Lookout Ridge baz=242	66.25	19	P	P	03 54 49.6	-0.2	IL31	Eielson Array baz=262,slow=34	69.38	25	P	P	03 55 07.7	-1.6	N30M	Aishikik Lake baz=266	73.27	29	P	P	03 55 33.1	+0.1	
I20K	Naaghedeneel baz=242	66.29	24	P	P	03 54 49.7	-0.2	ILAR	Eielson Array baz=262,slow=34	69.38	25	P	P	03 55 07.8	-1.2	G29M	Pine Creek baz=265	73.34	24	P	P	03 55 33.4	+0.1	
E19K	Redstone River baz=245,SNR=6.7	66.30	21	P	P	03 54 49.5	-0.5	ILAR	Eielson Array comp=Z,2.9nm,0.7s,baz=253,slow=5.3,SNR=74	69.38	25	P	P	04 22 55.7		D28M	Stokes Point baz=262	73.37	21	P	P	03 55 33.5	+0.2	
E19K	Redstone River baz=245,SNR=6.7	66.30	21	P	P	03 54 49.5	-0.5	TOLK	Toolik Lake Re baz=252	69.42	21	P	P	03 55 08.5	-1.0	PLBC	Pleasant Camp baz=268	73.51	32	P	P	03 55 34.4	+0.1	
A19K	Wainwright baz=240	66.34	18	P	P	03 54 49.8	-0.3	C23K	Iklikil River comp=Z,2.2nm,0.8s	69.45	20	Iamb	Iamb	03 55 10.9		S31K	Pelican baz=268	73.52	33	P	P	03 55 34.3	0.0	
BRSE	Bradley Lake S baz=255	66.35	30	P	P	03 54 50.5	+0.1	C23K	Iklikil River baz=251,SNR=5.4	69.45	20	P	P	03 55 09.1	-0.6	E29M	Blow River baz=267	73.56	22	P	P	03 5		

29d 3h

Table with columns: Station, Name, Frequency, Power, Class, and Signal. Includes stations like DLBC, ARU, WTLY, AKTO, A36M, BBB, C36M, TOAD, GEYT, GYA0B, WRGLY, CBB, WSAR, KIRV, NLWA, WISH, EDGA, GNVW, COR, K02D, KRMB, CASY, L02F, DBO, UOSS, D05A, H04D, HUMO, I04A, YBH, YKA, YKA, G05A, LTY, BELG, I05D, MXC, BRDLA, SPITS, SPITS, SPITS, K05A, HAWA, ORV, RES, RES, C08A, I07A, AFDM, G08A, NEW, NEW, NEW, CMB, J08A, WVOR, PNTR, F10A, PAHR, WAKR, WAG.

2018 APR

Table with columns: Station, Name, Frequency, Power, Class, and Signal. Includes stations like RYN, MLAC, LHV, ARCES, ARCES, ARCES, PLID, KVN, NVAR, NVAR, YES, NV11, BMN, TIN, ARVC, DSP, ISA, ISA, OSI, CWC, MSO, MSO, LCH, LCH, MZP, DECC, GRAC, GRN, EDWJ, LRMC, MPMC, GNI, HLID, BFSC, FURC, KBZ, KBZ, GBN, WBY, RRX, GSC, R11B, R11B, R11B, R11B, SHOC, 109C, HEC, TUQ, PFO, PFO, TPFO, BOZ, BOZ, MONPZ, BELO, GMRC, VNSA, VNSA, VNSA, VNSA, EGMT, IKP, SWSC, BC3, DUG, IRM, FXYW, H17A, TPAW, TPAW, FINES, FINES, MOOW, CCUT, LOHW, GLA, LCMT, W13A, PDMC, RLMT, RLMT, FFC, FFC.

1834

Table with columns: Station, Name, Frequency, Power, Class, and Signal. Includes stations like BSUT, TMUT, BW06, PD31, PDAR, PDAR, PDAR, RAYN, RAYN, Q16A, P17A, SRU, LAO, LAO, 214A, WUAZ, DGMT, O20A, K22A, AKASG, AKASG, TUC, TUC, TUC, MVCO, MVCO, N23A, N23A, RSSD, RSSD, RSSD, BRTR, BRTR, HFS, SDCO, NOA, 121A, Y22D, Y22F, ANMO, ANMO, ANMO, ANMO, ULM, LP1G, T25A, MAW, MAW, FRB, SFJD, MLR, MNXT, EIL, ECSD, MSTX, CBKX, EYMN, TXAR, TXAR, SPMN, QSPA, WMOK, ABTX, SCIA, TUL3, JFWF, WHTX, WHTX, ECKA, GLMI, MIAR, SFIN, AAM, O48B, P49A, WVT, ERPA, M53A, P52A, O53A, LONY, LRAL.



29d 4h

Table with columns: Code, Station Name, Elevation, Azimuth, Azimuth Error, Range, Range Error, SNR, and other parameters. Includes stations like DOCA, Cerro Coronel, San Esteban, Cuesta del Vie, Leoncito, etc.

DOC 29:04:36.31.8, 1.3, 24.26S, 179.87E, h509km, 13km, mb3.6/16, mbtmp4.3/18, Error ellipse: s-maj=12.5km s-min=10.7km az=159.0

NEIC 29:04:36.32.0, 1.6, 24.33S, 179.87E, h509km, 6km, mb4.4/59, Error ellipse: s-maj=18.0km s-min=15.4km az=89.0

NOU 29:04:36.32.2, 24.26S, 179.84W, h530km, mb4.3/12, South of Fiji Islands

Table with columns: Code, Station Name, Elevation, Azimuth, Azimuth Error, Range, Range Error, SNR, and other parameters. Includes stations like MSVF, TAVE, PINNC, etc.

2018 APR

Main table with columns: Code, Station Name, Elevation, Azimuth, Azimuth Error, Range, Range Error, SNR, and other parameters. Includes stations like BRZ, QWZ, THZ, etc.

1836

Table with columns: Code, Station Name, Elevation, Azimuth, Azimuth Error, Range, Range Error, SNR, and other parameters. Includes stations like PLCA, GNW, L19K, etc.

IDC 29:04:46.21.0, 1.0, 7.68S, 126.18E, h0km, mb3.7/8, mbtmp3.8/11, ML4.2/3, MS3.5/6, Error ellipse: s-maj=36.4km s-min=20.5km az=80.0

DJA 29:04:46.26.8, 0.3, 8.3S, 121.6E, h10km, M4.4/14, mb4.777, mb4.9/1, MLV4.2/14, MW(mb)4.2/1

ISC 29:04:46.27.8, 0.7, 8.05S, 106.62E, 125.74E, 0.77, h35km, n34, z291/31, mb3.7/8, MS3.5/4, Tumor region

Table with columns: Code, Station Name, Elevation, Azimuth, Azimuth Error, Range, Range Error, SNR, and other parameters. Includes stations like SOEI, BATI, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, ISC, Time, Res. Includes entries like FAKI, FITZ, TOLIZ, WRA, ASAR, STKA, HNR, CMAR, MJAR, SONM, PETK, MKAR, ZALV, KURBB, VVDA, QSPA.

NEIC 29 04:51:57.3, 0.9, 5.6S, 0.1, 154.3E, 0.1, h134km, 7km, mb4.4/2, Error ellipse: s-maj=20.6km s-min=13.2km az=47.0

ICD 29 04:51:58.5, 1.4, 5.5IS, 154.22E, h148km, 11km, mb3.8/18, mbmp4.2/20, Error ellipse: s-maj=15.3km s-min=10.7km az=92.0

ISC 29 04:51:58.2, 0.5, 5.49S, 0.06, 154.24E, 0.08, h150km, n72, 15147.5, mb4.2/36, Bougainville-Solomon Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, ISC, Time, Res. Includes entries like RABL, KRVT, PMG, PATS, CTAO, KOUNC, LIFNC, EIDS, DZM, OUENC, PINNC, MTN, WRO, WB0, WB2, WRA, WRA, WRA, ASAR, H11S3, H11S2, H11S1, STKA, FITZ, QRZ, THZ, MRZ, BFZ, KHZ, NACB, JUNU, KRSR, USRK, CMAR, SONM, VVDA, VVDA, SBA, M14K, L16K, J16K, J16K, J17K, G16K, F17K, H19K, H19K, E18K.

Table with columns: Code, Station Name, Az, Az2, Phase ID, ISC, Time, Res. Includes entries like E18K, F19K, F19K, E19K, IMAR, D19K, MK31, MKAR, MKAR, B20K, ILAR, ZALV, B21K, B21K, D22K, D22K, J25K, M27K, M27K, TOLK, TOLK, C23K, C23K, BMAR, QSPA, QSPA, MAW, MAW, INK, INK, BVAR, BVAR, NVAR, NVAR, BDFB, BDFB, TORO, TORO, TORO.

NEIC 29 05:18:08.6, 1.0, 5.6E, 13N, 0.08, 149.22W, 0.08, h21km, 7km, mb3.7/3, ML3.8/54, ML3.6(AEIC), Error ellipse: s-maj=12.3km s-min=4.3km az=157.0

ICD 29 05:18:09.1, 1.4, 5.6E, 46N, 148.93W, h0km, mb3.4/6, mbmp3.4/10, ML2.3/4, MS3.1/10, Error ellipse: s-maj=10.6km s-min=6.6km az=26.0

AEIC 29 05:18:11.0, 1.0, 5.6E, 04N, 0.09, 149.22W, 0.1, h12km, 6km, Error ellipse: s-maj=13.0km s-min=9.3km az=176.0

ISC 29 05:18:08.2, 0.8, 5.627N, 0.08, 148.12W, 0.05, h10km, n62, 1516/254, mb3.6/7, MS3.1/6, Gulf of Alaska

Table with columns: Code, Station Name, Az, Az2, Phase ID, ISC, Time, Res. Includes entries like KDAK, KDAK, KDAK, KDAK, OHAK, OHAK, OHAK, OHAK, SHYK, SHYK, SYI, Q20K, Q20K, Q20K, CNPM, Q23K, Q23K, Q23K, Q23K, MID, MID, MID, MID, BRSE, BRSE, BRSE, BRSE, Q19K, Q19K, Q19K, BRLE, BRLE, HOM, HOM, HOM, HOM, KCG, SEW, SEW, SEW, AUCH, ACHA, P19K, P19K, P19K, P19K, CNCT, Q17K, Q17K, Q22K, Q22K, Q22K, Q20K, Q20K, IVE, SLKM, ILSW, ILSW, HIN, HIN.

Table with columns: Code, Station Name, Az, Az2, Phase ID, ISC, Time, Res. Includes entries like HIN, KAIM, KAIM, KAIM, KAIM, P18K, P18K, P18K, RED, CAPN, CAPN, CAPN, EYAK, EYAK, EYAK, RDT, RDWB, RDWB, FID, FID, FID, GLI, GLI, GLI, NCT, NCT, NCT, O19K, O19K, O19K, HMT, NCHA, O18K, O18K, O18K, RC01, RC01, RC01, GOAT, BERG, SNH, SNH, KNK, KNK, KNK, CHGN, CHGN, CHGN, DIV, N20K, SPCR, KHIT, SPCN, BMRM, BMRM, SUA, SUA, SUA, SPBG, WAX, PMR, PMR, PMR, N19K, N19K, N19K, BARK, STLK, STLN, MESA, MESA, KLU, KLU, KLU, O17K, O17K, O17K, G17K, SML, SML, SML, M23K, M23K, ISLE, SCM, SCM, N18K, N18K, N18K, VRDI, O16K, O16K, N25K, N25K, N25K, KIAG, SKAT, SKT, SAMH, GLB, M20K, M20K, N17K, MCARA, MCARA, PTPK, M24K, M24K, BARN, PNL, PNL, PNL, CTG, CTGM, BCPM, LOGN, WACK, M19K, M19K, M18K, M18K, WAT6, WAT6.

29d 5h

Table with columns: Station, Frequency, Power, Modulation, and other technical details for stations 29d 5h.

2018 APR

Main table with columns: Code, Station Name, Lat, Lon, Phase ID, ISC, Time, Res, and other technical details for various stations.

1838

Table with columns: Station, Frequency, Power, Modulation, and other technical details for stations 1838.



QSPA	South Pole Qui	69.70	180	P	P	05	29	17.9	+1.2
QSPA	South Pole Qui	69.70	180	P	P	05	29	17.6	+1.0
UGM	Wanagama	70.31	269	P	P	05	29	20.8	-0.3
MJAR	Matsushiro Arr	70.31	323	P	P	05	29	20.6	+0.1
KPJ1	Karang Pucung	71.99	269	P	P	05	29	30.7	-0.2
SBUM	Sibu	72.33	279	P	P	05	29	32.6	-0.3
BBUJ	Bungbulang	73.15	268	P	P	05	29	37.0	-0.7
LEM	Lembang	73.39	269	P	P	05	29	39.4	+0.2
NIKH	Nikolski High	73.43	6	P	P	05	29	40.2	+1.9
KSM	Kuching	73.74	278	P	P	05	29	41.7	+0.7
KSM	Kuching	73.74	278	P	P	05	29	40.9	-0.1
NACB	Ninganchiao	73.89	304	I	I	05	29	41.0	-0.6
NACB	Ninganchiao	73.89	304	I	I	05	30	23.9	
UNV	Unalaska Valle	74.53	7	P	P	05	29	46.1	+1.6
FALS	False Pass	75.90	8	P	P	05	29	54.0	+1.8
PEA0B	Petrovlovsk	76.24	345	P	P	05	29	54.3	+0.2
PETK	Petrovlovsk	76.24	345	P	P	05	29	54.0	-0.7
PETK	Petrovlovsk	76.24	345	P	P	05	29	54.1	0.0
CHNA	Chernabura Isl	76.47	11	P	P	05	29	57.1	+1.8
KASI	Kota Agung	76.74	269	P	P	05	29	56.8	-1.0
SDPT	Sand Point	76.82	10	P	P	05	29	59.0	+1.8
SNCC	San Nicolas Is	76.91	47	P	P	05	29	58.6	+0.3
S12K	Black Hills	76.92	9	P	P	05	29	59.9	+2.1
P08K	Saint George I	76.97	5	P	P	05	29	59.9	+1.9
LWLI	Liwa	77.32	269	P	P	05	29	00.5	-0.6
SPIA	Saint Paul Isl	77.50	4	P	P	05	30	01.7	+0.8
PKM	Mcperson Peak	77.66	45	P	P	05	30	03.1	+0.5
S14K	Fog Glacier	77.87	10	P	P	05	30	03.6	+0.6
FMP	Fort Macarthur	78.02	47	P	P	05	30	03.7	-0.6
CHGN	Chignik	78.08	11	P	P	05	30	04.0	0.0
CHGN	Chignik	78.08	11	P	P	05	30	04.5	+0.5
ARVC	Arvin	78.45	46	P	P	05	30	06.1	-0.5
MNAI	Manna	78.58	270	P	P	05	30	07.8	0.0
VES	Vestal Richgr	78.69	45	P	P	05	30	08.2	+0.3
MURC	Murrieta	78.71	48	P	P	05	30	08.6	+0.5
BFSC	Mount Baldy Ra	78.75	47	P	P	05	30	09.0	+0.6
VOG	Valley Oaks Go	78.78	44	P	P	05	30	08.4	+0.1
MONP2	Monument Peak	78.86	49	P	P	05	30	09.4	+0.3
EDW2	Edwards Air Fo	78.88	46	P	P	05	30	09.6	+0.6
IKP	In-Ko-Pah, Jac	78.95	49	P	P	05	30	09.6	+0.1
ISA	Isabella Lake	79.00	45	P	P	05	30	10.3	+0.7
USRK	Ussuriysk Ar.	79.05	326	P	P	05	30	10.7	+1.2
USRK	Ussuriysk Ar.	79.05	326	P	P	05	30	10.6	+1.1
CMB	Columbia Colle	79.13	43	P	P	05	30	14.3	+0.1
PFO	Pinyon Flats O	79.23	48	P	P	05	30	11.3	+0.4
AFDM	Forest Hills D	79.31	42	P	P	05	30	12.4	+1.3
DLV	T Lat	79.41	287	I	I	05	30	12.6	+0.2
DLV	T Lat	79.41	287	I	I	05	30	14.3	
BELA	Belgrano 2	79.64	173	P	I	05	30	12.3	+0.1
BELA	Belgrano 2	79.64	173	P	I	05	30	13.3	
CWC	Cottonwood Cre	79.70	45	P	P	05	30	14.3	+0.9
BELC	Belle Mtn. Jos	79.76	48	P	P	05	30	14.8	+1.0
MYKOM	Kota Tinggi	79.87	276	I	I	05	30	16.1	
MPMC	Manual Prospec	79.88	46	P	P	05	30	15.3	+0.8
GSC	Goldstone, Bar	79.92	46	P	P	05	30	15.9	+1.4
OHAK	Old Harbor	79.94	13	P	P	05	30	14.1	+0.2
OHAK	Old Harbor	79.94	13	P	I	05	30	25.6	
OHAK	Old Harbor	79.94	13	P	P	05	30	16.0	+2.0
BC3	Big Chuckawall	79.96	49	P	P	05	30	16.1	+1.4
YBH	Yreka Blue Hor	79.97	38	P	P	05	30	16.0	+1.3
HEC	Hector Ludlow	79.98	47	P	P	05	30	15.5	+0.7
NJ2	Nanjing	80.06	310	eP	pmax	05	30	16.8	+1.6
NJ2	Nanjing	80.06	310	eP	pmax	05	30	16.8	+1.6
NJ2	Nanjing	80.06	310	eP	pmax	05	30	16.8	+1.6
Q17K	Contact Creek	80.39	11	P	P	05	30	18.2	+1.7
IRM	Iron Mountain	80.44	48	P	P	05	30	18.1	+0.9
O14K	Tigykauviet M	80.47	8	P	P	05	30	18.5	+1.9
GRAC	Grapevine Rang	80.49	45	P	P	05	30	18.4	+1.1
FURC	Furnace Creek,	80.53	45	P	P	05	30	18.6	+1.2
TUQ	Turquoise Moun	80.60	47	P	P	05	30	18.9	+0.9
O15K	Ungalikthiuk R	80.60	9	P	P	05	30	18.7	+1.4
KDAK	Kodiak Island	80.61	13	P	P	05	30	18.5	+1.1
MDJ	Mudanjiang	80.61	325	P	pmax	05	30	19.5	+1.7
MDJ	Mudanjiang	80.61	325	P	pmax	05	30	19.5	+1.7
MDJ	Mudanjiang	80.61	325	P	pmax	05	30	19.5	+1.7
MDJ	Mudanjiang	80.61	325	P	pmax	05	30	19.5	+1.7
Q16K	King Salmon	80.64	11	P	P	05	30	18.8	+1.3
NVAR	Mina Array Bea	80.69	43	P	P	05	30	18.8	+0.2
NVAR	Mina Array Bea	80.69	43	P	P	05	30	20.0	+1.4
NVAR	Mina Array Bea	80.69	43	P	p	05	32	10.6	-0.4
P16K	Nushagak River	80.75	10	P	P	05	30	18.8	+0.7
214A	Organ Pipe Nat	80.96	51	P	P	05	30	19.8	-0.1
N14K	Kuskokwak Cree	81.06	8	P	P	05	30	20.8	+1.2
P17K	Kvichak River	81.17	11	P	P	05	30	20.2	-0.1
TPH	Toponah	81.19	44	I	I	05	30	23.5	
PDMC1	Parker Dam,Lak	81.23	49	P	P	05	30	21.0	-0.2
O16K	Kokwok River B	81.27	10	P	P	05	30	20.1	-0.6
O16K	Kokwok River B	81.27	10	P	P	05	30	20.7	-0.1
M13K	Dall Lake	81.33	7	P	P	05	30	21.9	+0.9
Q20K	Shuyak Island	81.41	13	P	P	05	30	21.9	+0.4
Q19K	Cape Douglas,	81.45	12	P	P	05	30	22.8	+1.0

N15K	Kwethluk River	81.51	9	P	I	05	30	22.9	+0.8
N15K	Kwethluk River	81.51	9	P	I	05	31	01.1	
N15K	Kwethluk River	81.51	9	P	P	05	30	23.6	+1.5
P18K	Big Mountain,	81.57	11	P	P	05	30	22.3	-0.1
P18K	Big Mountain,	81.57	11	P	I	05	30	22.8	+0.3
O17K	Koliganek Bris	81.60	10	P	P	05	30	22.2	-0.3
K05A	Lumber Lake	81.65	39	I	I	05	30	26.1	
J05D	Fort Rock, OR	81.79	38	I	I	05	30	26.7	
MAW	Mawson	81.80	200	P	P	05	30	24.0	+0.5
MAW	Mawson	81.80	200	P	P	05	30	23.6	+0.1
M14K	Bethel	81.83	8	I	I	05	30	26.0	
M14K	Bethel	81.83	8	P	P	05	30	23.8	+0.2
M15K	Kasigluk River	81.94	8	P	P	05	30	24.8	+0.7
N16K	Nishlik Lake	82.00	9	P	P	05	30	25.9	+1.3
O18K	Koktuh Hills	82.01	11	P	P	05	30	24.9	+0.2
O18K	Koktuh Hills	82.01	11	P	I	05	30	25.6	
P19K	Oil Pt	82.20	12	P	P	05	30	26.3	+0.7
PINE	Pine Mountain	82.27	38	I	I	05	30	29.3	
N17K	Nushagak Hills	82.30	10	P	P	05	30	26.9	+0.8
L14K	Kuka Creek	82.31	7	P	P	05	30	27.4	+1.4
I05D	Terrebonne, OR	82.38	37	I	I	05	30	29.3	
R11B	Port Canyon, C	82.42	44	P	P	05	30	27.8	+0.4
O19K	Port Alsworth	82.49	12	I	I	05	30	27.8	
O19K	Port Alsworth	82.49	12	P	P	05	30	26.9	-0.1
M16K	Timber Creek	82.50	9	I	I	05	30	29.5	
M16K	Timber Creek	82.50	9	P	P	05	30	27.5	+0.5
ILSW	Iliamna Southw	82.52	12	I	I	05	30	28.3	
HOM	Home	82.53	13	P	P	05	30	27.4	+0.2
TUC	Tucson	82.63	52	P	P	05	30	31.0	+2.5
TUC	Tucson	82.63	52	P	P	05	30	28.8	+0.3
N18K	Kilauea Creek	82.66	11	P	P	05	30	28.5	+0.6
K13K	Kusilvak Mount	82.67	6	P	P	05	30	28.6	+0.7
O20K	Slope Mountain	82.72	12	P	P	05	30	28.7	+0.5
F04A	Amboy	82.78	35	P	I	05	30	29.1	+0.3
F04A	Amboy	82.78	35	P	I	05	30	30.8	
L15K	Ungalak Mount	82.78	8	P	P	05	30	29.1	+0.7
BRLL	Bradley Lake	82.79	13	P	P	05	30	28.8	+0.3
BRLL	Bradley Lake	82.79	13	P	I	05	30	33.7	
BRSE	Bradley Lake S	82.80	13	P	P	05	30	29.6	+1.0
N19K	Bonanza Creek	83.04	11	P	P	05	30	29.6	-0.3
N19K	Bonanza Creek	83.04	11	P	P	05	30	30.1	+0.2
L16K	Owhat River	83.08	9	P	P	05	30	30.8	+0.9
L16K	Owhat River	83.08	9	P	I	05	30	32.0	
L16K	Owhat River	83.08	9	P	P	05	30	31.3	+1.3
M17K	Holitna River	83.09	10	P	I	05	30	30.9	+0.8
M17K	Holitna River	83.09	10	P	I	05	30	32.5	
M17K	Holitna River	83.09	10	P	P	05	30	30.3	+0.3
I07A	Izoe	83.27	38	I	I	05	30	34.0	
K15K	Wolf Creek Mou	83.37	7	I	I	05	30	33.7	
K15K	Wolf Creek Mou	83.37	7	P	P	05	30	33.2	+1.8
SEW	Seward	83.41	14	P	P	05	30	32.7	+1.1
UBPT	Khong Chiam	83.42	289	P	P	05	30	33.1	+0.4
M18K	Stony River	83.44	10	P	P	05	30	33.0	+1.3
IPM	Ipo	83.46	277	P	P	05	30	33.7	+0.7
IPM	Ipo	83.46	277	P	P	05	30	33.3	+0.3
Q23K	Middleton Isla	83.55	15	P	P	05	30	33.5	+1.2
J14K	Nanvaranak Lak	83.59	6	P	P	05	30	34.3	+1.9
CAPN	Captain Cook N	83.64	13	P	P	05	30	34.0	+1.3
L17K	Donlin	83.66	9	P	P	05	30	33.4	+0.6
N20K	Mount Spurr	83.83	12	P	P	05	30	33.7	+0.0
L18K	Granite Mounta	83.98	10	P	P	05	30	35.2	+0.8
GAMB	Gambell	84.00	3	P	P	05	30	34.9	+0.5
M19K	Big River Lodg	84.07	11	P	P	05	30	34.9	0.0
K17K	Itdarod	84.21	9	P	P	05	30	35.7	+0.1
RC01	Rabbit Creek A	84.23	13	P	P	05	30	36.7	+1.0
L19K	White Mountain	84.25	11	P</					



1841

Table with columns: ABTA, Abfaltersbach, 152.41 345 ePKP, PKPbc, 05 37 56.4 -0.5, etc.

SOME 29 05:28:21.7, 42.32'N; 79.82'E, h15km
KRNET 29 05:28:22.5, 0.1, 42.31'N; 79.82'E, h19km, mb3.5
NINC 29 05:28:22.4, 1.0, 42.34'N; 79.82'E, h0km, mb4.0, mpv3.9,
Error ellipse: s-maj=6.5km s-min=3.9km az=136.0

ISC 29 05:28:29.1, 8.2, 42.29'N; 0.05; 79.86'E; 0.05, h2km, 10km,
n66, r157/110, 22'-11Z, Lake Issyk-Kul region

Main table for station 1841 with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC

2018 APR

Main table for station 2018 APR with columns: IZV, 80nm, 0.5s, eS, Sb, 05 29 37.8 -0.4, etc.

IDC 29 05:33:22.6, 1.9, 55.56'N; 164.04'E, h0km, mb3.2/2,
mbtmp3.2/3, ML2.5/1, Error ellipse: s-maj=175.7km
s-min=31.7km az=148.0

Main table for station 2018 APR (continued) with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC

29d 5h

Main table for station 29d 5h with columns: MTRV, 62nm, 0.5s, eP, Pn, 05 34 32.1 +0.6, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TXAR Lajitas Array, NVAR Mina Array, ULM Lac du Bonnet, etc.

IDC 29-06:08:02.2.2.3.6.11S.126.68E h0km, mb3.5/1, mtbptp3.6/3, ML3.7/2, Error ellipse: s-maj=319.4km s-min=30.3km az=64.0, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like WRA Warramunga Array, ASAR Alice Springs, ZALV Zalesovo Beam, etc.

NEIC 29-06:17:26.0.0.9.56.20N.0.09.149.2W.0.1, h2km, 11km, ML3.9/3ML3.4(AEIC), Error ellipse: s-maj=13.6km s-min=10.4km az=158.0

AEIC 29-06:17:29.5.1.1.56.3N.0.1.149.2W.0.1, h4km, 9km, Error ellipse: s-maj=20.3km s-min=9.9km az=175.0

ISC 29-06:17:25.4.2.3.56.3N.0.2.149.23W.0.06, h10km, n89, 0.15/10/85, Gulf of Alaska

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KDAK Kodiak Island, OHAK Old Harbor, SYI Shuyak Island, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like O16K Kokwok River B, VRDI Verde Repeater, KIAG Kiagna River, etc.

IDC 29-06:17:58.8.0.8.56.06N.149.19W, h0km, mb3.8/17, mtbptp3.8/22, ML3.5/5, MS3.6/58, Error ellipse: s-maj=21.2km s-min=14.1km az=35.0

NEIC 29-06:18:00.7.1.2.56.16N.0.07.149.2W.0.1, h19km, 6km, mb4.2/51, ML4.0/56, 9(AEIC), Error ellipse: s-maj=10.9km s-min=8.0km az=189.0

GCMT 29-06:18:01.7.0.4.56.09N.0.03.149.01W.0.05, h16km, 2km, MW4.7/72, Moment Tensor Solution. s9,c11; s72,c92; Duration: 0 Moment tensor: Scale 10^18Nm; M=1.02e+07; Mw=1.14e+08; Mo=0.46e+22; Mo=0.23e+07; Mo=0.48e+21; Best double couple: Mo1.30400x10^16 NP1.3e322.00000; s86.00000; A-149.00000; NP2: 0.2300000; s69.00000; A-4.00000; Principal axes: T: 1.3080, P1: 18.0000, Azm: 52.0000; N: -0.0050; P1: 52.0000, Azm: 20.0000; P: -1.3010, P2: 24.0000; Azm: 19.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

AEIC 29-06:18:04.8.1.4.56.26N.0.08.149.17W.0.10, h7km, 5km Error ellipse: s-maj=11.4km s-min=7.8km az=176.0

ISC 29-06:18:00.4.3.7.56.20N.0.07.149.15W.0.05, h13km, 28km, n420, 0.19/05/363, mb4.2/38, MS3.6/53, Gulf of Alaska

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KDAK Kodiak Island, OHAK Old Harbor, SYI Shuyak Island, etc.

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like RDT Redoubt, EYAK Cordova Ski Ar, EYAK Cordova Ski Ar, etc.

Table with columns for station name, frequency, power, and status. Includes stations like LOGN Logan Glacier, WACK Wrangell Chich, M19K Big River Lodg, etc.

Table with columns for station name, frequency, power, and status. Includes stations like J16K Anvik River, P33M Teslin, H19K Roundabout Mou, etc.

Table with columns for station name, frequency, power, and status. Includes stations like SCHQ Schefferville, SADO Sadova, DY2G Dye2, etc.



Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like DAV Davao City, HNS HongShan, and various international stations.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MMAI Mount Meron, INK Inuvik, HFS Hagfors, and others.

ADC 29 07:11:34.0, 2.1, 4.63S, 129°04E, h0km, mb3.4/2, mbtmp3.6/4, ML3.9/2, Error ellipse: s-maj=162.2km

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, and others.

ADC 29 07:48:43.1, 0.8, 5.97S, 142°52E, h0km, mb4.0/8, mbtmp4.0/10, MLL1.9/1, MS3.6/2, Error ellipse: s-maj=34.3km

ADC 29 07:48:47.2, 0.8, 6.10S, 0.099:142.4E, 0.1, h28km, n13, alpha175/13, mb4.0/8, New Guinea

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like PMG Port Moresby, WRA Warramunga Arr, ASAR Alice Springs, and others.

ADC 29 07:51:51.1, 1.1, 5.578N, 148°78W, h0km, mb3.7/13, mbtmp3.8/19, ML3.7/6, MS3.1/11, Error ellipse: s-maj=26.6km

ADC 29 07:51:52.8, 1.2, 5.578N, 0.08:149.2W, 0.1, h19km, 6km, mb4.0/26, ML4.3/54, ML4.1(AEIC), Error ellipse: s-maj=11.8km

ADC 29 07:51:56.2, 1.4, 5.578N, 0.07:149.2W, 0.1, h7km, 6km, Error ellipse: s-maj=11.5km

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like OHAK Old Harbor, KDAK Kodiak Island, SYI Shuyak Island, and others.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like HOM Homer, KCE Katmai Mt Cerb, AUGUSTINE MOUNT, and others.

29D 7h

Table with columns: MESA, MESA, elevation, direction, status, elevation, direction, status. Includes entries like MESA MESA 5.70 39 Pn, MESA MESA 5.70 39 P, O17K Koliganek Bris 5.73 315 Pn, etc.

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Table with columns: PLBC, Pleasant Camp, elevation, direction, status, PLBC, Pleasant Camp, elevation, direction, status. Includes entries like PLBC Pleasant Camp 7.68 58 Pn, PLBC Pleasant Camp 7.68 58 P, YUK4 Talbot Arm 7.68 41 P, etc.

1846

Table with columns: I26K, Coal Creek Min, elevation, direction, status, I26K, Coal Creek Min, elevation, direction, status. Includes entries like I26K Coal Creek Min 9.83 15 Pn, I26K Coal Creek Min 9.83 15 P, N32M Quiet Lake 9.86 52 P, etc.



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like NVAR, PDAR, MA2, ULM, FRB, TXAR, SFJD, H11N2, H11N3, H11N1, H11S1, H11S2, H11S3, ARCES, TEIG, JNU, ZALV, HHC, FINES, BVAR, KURBB, MKAR, AKASG.

IDD 29 07:55:13.5:0.6, 9.74S:159.68E, h0km, mb4.2/16, mbmp4.2/17, ML3.6/1, MS3.4/21, Error ellipse: s-maj=20.5km s-min=11.2km az=124.0, NEIC 29 07:55:15.8:2.0, 9.83S:0.08:159.57E:0.09, h10km, mb4.5/27, Error ellipse: s-maj=20.0km s-min=6.0km

ISC 29 08:57:17.0:4.0, 9.80S:0.06:159.64E:0.08, h22km, n77, az=110/59, mb4.4/33, MS3.5/20, 1C, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like HNR, PMG, LIFNZ, DZM, MARNC, CTAA, PATS, COEN, EIDS, ARMA, ARMA, WRO, WFR0, WB0, WB2, WRA, WRA, WRA, CAN, GUMO, STKA, STKA, STKA, AS31, ASAR, ASAR, ASAR, ASAR, H11S2, H11S3, H11S1, H11N1, H11N3, H11N2, H11N0, T00, BBOO, BBOO, MRZ, ARZ, TUVZ, TUVZ, PSA00, RAR, RAR, JHU, JOW, JOW, PPT2.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MJAR, KRSR, ASAJ, NJ2, NJ2, NJ2, PETK, GYA, GYA, KLR, XAN, XAN, CMAR, PZH, PZH, PZH, HHC, HHC, HHC, Vnda, Vnda, Vnda, Vnda, MA2, SONM, KDKA, J17K, J17K, M19K, M19K, GSPA, GSPA, GSPA, F17K, F17K, CAST, CAST, TRF, ILAR, ILAR, J25K, J25K, B20K, B20K, MKAR, PFO, INK, KURBB, YKA, YKA, BVAR, ANMO.

IDD 29 08:00:41.8:1.4, 41.133N:123.99E, h0km, mb3.4/5, mbmp3.4/6, ML3.2/1, MS2.5/2, Error ellipse: s-maj=26.5km s-min=19.1km az=27.0, ISC 29 08:00:42.7:0.8, 41.181N:0.08:124.08E:0.08, h10km, n11, az=197/10, mb3.4/5, Northeastern China

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like DL2, DL2, DL2, DL2, KRSR, KRSR, KRSR, USRK, USRK, USRK, KLR, JNU, KURBB, ILAR, FINES, YKA, JNU, NVAR, IDD 29 08:12:03.0:2.5, 7.67N:125.65E, h0km, mb3.5/4, KRSR, KRSR, KRSR, USRK, USRK, USRK, KLR, JNU, KURBB, ILAR, FINES, YKA, JNU, NVAR, COEN, BRAT, STKA, STKA, STKA.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like WRA, ASAR, MKAR, KURBB.

DJA 29 08:25:34.5:0.5, 8.3S:3.12E, h19km, mb4.2/15, mb4.7/2, mb4.7/1, MLV3.9/15, Mv(mB)4.0/1, IDC 29 08:25:55.7:6.0, 7.39S:123.85E, h229km, mb1km, mb7/8/1, mbmp3.2/3, Error ellipse: s-maj=17.8km s-min=17.9km az=60.0

ISC 29 08:25:33.3:0.9, 8.00S:0.05:121.91E:0.06, h10km, n11, az=89/14, Flores Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MMRI, MMRI, EDFI, EDFI, BSAI, BSAI, BBSI, BBSI, BATI, BATI, SOEI, SOEI, BKSI, BKSI, TWSI, TWSI, WRA, WRA, ASAR, ASAR, ASAR, MKAR, MKAR.

ISC 29 08:28:30.4:0.8, 32.95N:0.01x100.89W:0.02, h5km, mb1km, mb\_Lg2.2/17, ML2.8/6, Error ellipse: s-maj=3.7km s-min=2.7km az=110.0, Western Texas

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SN05, SN05, SN07, SN07, SN07, POST, POST, DKNS, DKNS, APMT, APMT, SGCV, SGCV, ABTX, ABTX, ABTX, MSTX, MSTX, OZNA, OZNA, PLPT, PLPT, MNHN, MNHN, BRDY, BRDY, FW03, FW03, WMOK, WMOK, PECS, PECS, PECS, FW16, FW16, ALPN, ALPN, DRIO, DRIO, RTBA, RTBA, OK029, OK029, TX31, TX31.

NOU 29 08:35:17.1, 18.26S:177.76W, h647km, mb4.4/9, Fiji Islands Region, NEIC 29 08:35:18.1:1.6, 18.2S:0.17:177.9W:0.1, h626km, mb3km, mb4.1/62, Error ellipse: s-maj=20.5km s-min=16.9km az=135.0

IDD 29 08:35:19.5:2.0, 18.11S:178.10W, h646km, 25km, mb3.3/11, mbmp4.3/12, Error ellipse: s-maj=19.4km s-min=11.1km az=152.0

ISC 29 08:35:19.6:0.5, 18.18S:0.09:177.97W:0.08, h650km, n11, az=199/116, mb4.0/43, 1D, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MSVF, MSVF, AFJ, AFJ, AFJ, AFJ, DZM, DZM, DZM, KOUNC, KOUNC, OUZ, OUZ, URZ, URZ, URZ, QZQ, QZQ, QZQ, QZQ, THZ, THZ, DSZ, DSZ, KHZ, KHZ, STKA, STKA, FOU, FOU, FOU, EIDS, EIDS, EIDS, ARMA, ARMA, AUPHS, AUPHS, AULRC, AULRC, CAN, CAN, CNB, CNB, QLP, QLP, T00, T00, T00, COEN, COEN, BRAT, BRAT, STKA, STKA, STKA.

29d 8h

Table with columns for station name, coordinates, and various parameters. Includes stations like INKA Innaminika, LCRK Leigh Creek, OOD Oodnadatta, BBOO Bucklebope, WRO Warramunga Arr, WB0 Warramunga Arr, WB2 Warramunga Arr, WRAB Tennant Creek, WRA Warramunga Arr, WRA Warramunga Arr, MULG Mulgathing, AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, MTN Mantou Dam, FORT Forrest, KNRA Kununurra, FAKI Fak Fak, FITZ Fitzroy Crossi, SOEI Soe, PSA00 Pilbara Seismi, PSA00 Pilbara Seismi, MBWA Marble Bar, NWA0 Narragin (SRO), SBA Scott Base, VNSA Vanda, GIRL Giralia, CASY Casey, JAGI Jajag, Banyuwa, MJAR Matsushiro Arr, QSPA South Pole Qui, QSPA South Pole Qui, SSSLB Suanglung, OHAK Old Harbor, YBH Yreka Blue Hor, HUMO Hull Mountain, L04D Klamath Falls, I03D Drain, OR, NVAR Miina Array Bea, P18K Big Mountain, O18K Koktuh Hills, K05A Summer Lake, J05D Fort Rock, OR, M16K Timber Creek, PINE Pine Mountain, L16K Owhat River, K15K Wolf Creek Mou, I07A Ize, BELA Belgrano 2, L18K Granite Mounta, J16K Anvik River, U15A North Rim, TTA Tatalina, PMR Palmer, SCM Sheep Creek Mo, RND Reindeer, TX31 Lajitas Ar. Si, TXAR Lajitas Array, IMAR Indian Mountain, ILAR Eielson Array, E19K Redstone River, DAWY Dawson, PDAR Pinedale Array, PDAR Pinedale Array, K29M Barlow Dome, HHC Hu-ho-hao-te, HHC Redstone River, D22K Ayikyay River, BMAR Burnt Mountain, ELIB Princess Elisa, I30M Mount Dempster, H29M Whitestone, PZH PanZhihua.

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Table with columns for station name, coordinates, and various parameters. Includes stations like PZH Yellowknife Ar, YKA Yellowknife Ar, BRTR Keskin Array B, MMAI Mount Meron Ar, IDC 29, JMA 29, NIED 29, ASIES 29, Code Station Name, TAWU, TAW, TAWH, TAWH, EAST, EAST, ECL, SLIU, SLIU, TTN, SMST, TWGBT, TWGBT, TWGBT, TWG, TWG, SCZT, MASBT, MASBT, HEN, HEN, TWKBT, TWKBT, TWK1, TWK1, LAY, LON, LON, SNW, TSMG, TSMG, LYUB, SSD, SSD, TSPT, TSPT, SGLT, SGLT, SGLT, TWP, ECS, ECS, SLGT, CHKT, CHKT, SCST, SCST, KAU, EHD, TWM1, ELDTW, WSSB, STYH, STYH, CHKH, SGST, SHHT, CHN1, CHN1, WTP, WTP.

1848

Table with columns for station name, coordinates, and various parameters. Includes stations like CHN3 Shinhua, CHN3, EYUL, EYUL, ECBN, ECBN, TWFI, TWFI, SNST, SNST, TPUB, TPUB, TPUB, TPUB, YULB, YULB, CHN4, CHN4, EHYH, EHYH, EHYH, EHYH, HGSD, HGSD, WCKO, WCKO, ALS, ALS, ALS, SCLT, SCLT, SCLT, TSCK, TSCK, ICHU, ICHU, CHN8, CHN8, CHN5, CHN5, CHN2, CHN2, WHYT, WHYT, WARB, WARB, WVDT, WVDT, WVGK, WVGK, WDLH, WDLH, WDLH, WDLH, SSSLB, SSSLB, SSSLB, SSSLB, ESL, ESL, SHUL, SHUL, WTK, WTK, WJS, WJS, WSF, WSF, SMLT, SMLT, TYC, TYC, TYC, WNT, WNT, OWD, OWD, WNT1, WNT1, WDG, WDG, WUSB, WUSB, ETM, ETM, DPDB, DPDB, LXIB, LXIB, WRL, WRL, CHGB, CHGB, WCS, WCS, TWD, TWD, VCHM, VCHM, WHF, WHF, PHUB, PHUB, NACB, NACB, NACB, ETLH, ETLH, PNG, PNG, FUSS, FUSS, TDCB, TDCB, TWT, TWT, WHP, WHP, TWQ1, TWQ1, NSY, NSY, EOSA, EOSA, NNSB, NNSB, NNS, NNS, ENA, ENA, EWUT, EWUT, LATG, LATG, EOSS, EOSS, NDT, NDT, NFF, NFF, NSTT, NSTT, LIOB, LIOB, ENT, ENT, YHNB, YHNB, YHNB, YHNB, NSK, NSK, TWE, TWE, FUSB, FUSB.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NWLT, JYNG, YOJ, YOG, TWB1, SX11, WVUC, IRIF, KNM, PTMZ, JKRS, KNMB, ZPLA, DXP, ZPLA, DXP, JISG, MHZO, LYJZ, XPSA, JOW, JOW, DAV, DAV, CSRS, CSRS, CMAR, CMAR, SONM, MKAR, YAK, ZALV, H11N1, H11N2, H11N3, H11S3, H11S1, H11S2, KURBB, AAK, WRA, ASAR, TIXI, NOA.

baz=27, 2.42 8 eP Pb 08 40 01.9 -2.0

2.66 39 dP Pb 08 40 05.4 -2.6

2.71 40 dP Pb 08 40 05.7 +1.8

2.74 17 eP Pb 08 40 07.2 -2.1

2.79 14 eP Pb 08 40 07.5 -2.8

2.02 330 eP Pb 08 40 08.0 -0.2

3.09 50 eP Pb 08 40 10.9 +1.6

3.19 310 eP Pb 08 40 11.4 +0.8

3.22 326 eP Pb 08 40 11.1 +0.1

3.24 55 eP Pb 08 40 12.7 +1.4

3.25 310 eP Pb 08 40 11.0 -0.5

3.64 297 eP Pb 08 40 12.2 -2.1

3.65 292 eP Pb 08 40 15.5 -1.4

3.67 52 eP Pb 08 40 18.2 +1.1

4.17 333 eP Pb 08 40 24.5 +0.5

4.33 344 eP Pb 08 40 26.7 +0.4

4.61 350 eP Pb 08 40 31.6 +1.5

7.88 54 Pn 08 41 14.8 -0.2

0.1mm, 0.3s, baz=78, slow=20, SNR=1.0

0.1mm, 0.5s, baz=25, slow=25, SNR=0.5

15.81 164 LR 08 48 26.6

comp=Z, 4.6nm, 20.5s, baz=172, slow=35

16.13 20 LR 08 50 07.5

comp=Z, 3.9nm, 19.7s, baz=193, slow=40

21.14 263 LR 08 53 14.1

comp=Z, 2.3nm, 18.2s, baz=145, slow=39

28.01 339 LR 08 57 47.6

comp=Z, 5.7nm, 21.0s, baz=180, slow=39

39.60 317 P 08 46 52.6 +0.5

0.7mm, 0.8s, baz=113, slow=9.5, SNR=6.5

0.7mm, 0.8s

40.06 6 LR 09 05 26.6

comp=Z, 3.1nm, 18.9s, baz=90, slow=39

41.73 328 P 08 47 10.2 +0.7

0.8mm, 0.6s, baz=108, slow=8.7, SNR=2.8

0.8mm, 0.6s

42.68 85 T 09 32 59.2

baz=282, slow=75, SNR=14

42.68 85 T 09 33 02.3

baz=282, slow=75, SNR=27

42.70 85 T 09 33 01.6

baz=282, slow=75, SNR=22

42.76 87 T 09 33 07.2

baz=283, slow=74, SNR=24

42.77 87 T 09 33 07.4

baz=283, slow=74, SNR=21

42.77 87 T 09 33 10.5

baz=283, slow=74, SNR=18

43.46 321 P 08 47 24.5 +0.9

1.1mm, 0.2s, baz=125, slow=7, SNR=1.5

1.1mm, 0.2s

43.57 309 LR 09 08 08.2

comp=Z, 3.0nm, 20.1s, baz=89, slow=40

44.00 162 P 08 47 25.2 -3.0

0.8mm, 0.7s, baz=34, slow=6.9, SNR=5.1

0.8mm, 0.7s

47.43 164 P 08 47 54.7 -0.7

0.2mm, 0.4s, baz=34, slow=7.2, SNR=5.9

0.2mm, 0.4s

49.49 3 LR 09 11 01.7

comp=Z, 38nm, 19.9s, baz=194, slow=38

79.79 332 LR 09 30 14.5

comp=Z, 2.9nm, 19.3s, baz=350, slow=38

0.9, 4.8, 0.7s, baz=291, slow=10, SNR=6.2

0.4nm, 0.7s

29.37 125 P 08 51 50.8 -0.2

0.2mm, 0.6s, baz=296, slow=8.9, SNR=2.0

0.2mm, 0.6s

35.00 268 T 09 29 53.3

baz=92, slow=76, SNR=71

35.01 268 T 09 29 54.0

baz=92, slow=76, SNR=70

35.02 268 T 09 29 54.7

baz=92, slow=76, SNR=52

39.28 132 P 08 53 17.1 +0.7

0.5s, baz=293, slow=8.3, SNR=5.4

1.0nm, 0.5s

55.73 359 P 08 55 23.3 -0.5

0.5mm, 0.4s, baz=177, slow=2.9, SNR=2.3

0.5mm, 0.4s

55.73 359 P 08 56 22.8 +0.5

1.0nm, 0.4s, baz=174, slow=4.1, SNR=4.0

0.5mm, 0.4s

59.22 340 P 08 55 47.5 -0.8

0.7mm, 0.5s, baz=146, slow=8.3, SNR=11

0.7mm, 0.5s

63.78 340 P 08 56 18.7 -0.2

0.4nm, 0.4s, baz=146, slow=6.7, SNR=1.8

0.4nm, 0.4s

68.72 337 P 08 56 50.3 -0.1

1.0nm, 0.4s, baz=149, slow=8.8, SNR=6.2

1.0nm, 0.4s

74.72 169 P 08 57 28.9 +2.8

0.5mm, 0.7s, baz=294, slow=5.2, SNR=2.6

0.5mm, 0.7s

81.87 180 P 08 58 06.8 +0.9

1.7nm, 1.0s, baz=339, slow=6.3, SNR=3.0

0.7nm, 1.0s

93.15 332 P 08 58 59.6 -0.8

0.5mm, 0.6s, baz=100, slow=7.2, SNR=2.4

0.5mm, 0.6s

94.87 340 P 08 59 06.8 -1.5

1.6nm, 0.9s, baz=90, slow=4.5, SNR=1.7

1.6nm, 0.9s

98.20 348 P 08 59 22.9 -0.2

4.7nm, 1.0s, baz=98, slow=6.0, SNR=1.8

4.7nm, 1.0s

0.1, 5.94s, 140.85E, h0km, mb3.5/2,

mbtmp3.3/4, ML3.0/2, Error ellipse: s-maj=227.0km

s-min=31.0km, aZ=96.0, Irian Jaya

Code Station Name Az AzZ Phase ID Time Res h m s ISC

WRA Warramunga Arr 15.29 204 P 08 08 09.9 -0.5

0.1mm, 0.3s, baz=22, slow=13, SNR=1.5

0.1mm, 0.3s

09.01 00.2 +0.7

baz=79, slow=10, SNR=1.7

09.02 32.3

baz=39, slow=30, SNR=1.5

0.1mm, 0.3s

18.55 200 P 08 58 53.9 0.0

0.5mm, 0.8s

3.6 332 P 09 06 06.5 -1.0

0.3mm, 0.7s, baz=103, slow=6.5, SNR=2.4

0.3mm, 0.7s

77.58 325 P 09 06 31.1 +1.2

0.1mm, 0.2s, baz=103, slow=6.0, SNR=2.3

0.1mm, 0.2s

HEL 29 09:04:51.6:0.1, 67.71N:26.93E, h0km, ML1.6, Suspected

explosion

29 09:04:52.3: 1.5, 67.77N:26.99E, h0km, mbtmp2.8/1,

ML1.9/1, Error ellipse: s-maj=32.9km s-min=8.5km

az=81.0

29 09:04:54.6: 0.9, 67.66N:26.49E, h0km, ML1.8

KOLA 29 09:04:54.1, 67.63N:26.94E, h0km, ML2.0, Error ellipse:

s-maj=13.4km s-min=5.2km az=50.0, Finland, Lapland

29 09:04:51.0: 0.7, 67.73N:0.02:26.95E:0.02, h0km, n38,

0:59:57, Finland

Code Station Name Az AzZ Phase ID Time Res h m s ISC

SGF Sodankyl 0.33 209 Op Pn 09 05 56.9 -0.4

SGF SGF 09 05 02.8 +1.2

RAJF Raja-Jooseppi 0.91 34 PB Pb 09 05 09.1 -0.4

RAJF RAJF 09 05 18.6 -1.4

VRF Vario 1.01 88 PG Pg 09 05 09.9 -0.4

comp=Z, 4.8nm, 0.2s

RNF Rovaniemi 1.19 198 SB Sg 09 05 24.0 +0.6

baz=19

KLF Kolari 1.25 248 SN Sg 09 05 29.7 -0.4

KLF KLF 09 05 14.9 -0.6

HEF Hetta 1.41 300 SN Pb 09 05 32.9 -0.3

HEF Hetta 1.41 300 PN Pb 09 05 17.6 -0.4

baz=117

HEF HEF 09 05 34.1

HEF HEF 09 05 38.3 +1.2

HEF HEF 09 05 18.5 +0.1

HEF HEF 09 05 37.6 +0.2

KAUF Kaamanen 1.43 1 PN Pb 09 05 21.5 -0.7

KAUF KAUF 09 05 21.5 -0.7

KAUF KAUF 09 05 43.7 0.0

KAUF KAUF 09 05 21.4 -0.7

KAUF KAUF 09 05 11.9 -1.7

KAUF KAUF 09 05 21.8 -0.2

KAUF KAUF 09 05 42.4

KAUF KAUF 09 05 46.5 +0.6

KAUF KAUF 09 05 44.8 0.0

KAUF KAUF 09 05 26.5 -0.5

KAUF KAUF 09 05 25.6 -0.6

KAUF KAUF 09 05 50.7 -0.7

KAUF KAUF 09 05 25.6 -0.7

LANU Lannavaara 1.90 282 PG Pb 09 05 26.0 -0.5

LANU LANU 09 05 52.2 +0.3

LANU LANU 09 05 31.1 -0.3

LANU LANU 09 05 26.5 -0.3

LANU LANU 09 05 21.1 -0.1

LANU LANU 09 05 57.8 -0.5

KEV Kevo 2.04 1 PG Pb 09 05 28.7 0.0

KEV KEV 09 05 52.5

KEV Kevo 2.04 1 PG Pb 09 05 28.7 0.0

KEV KEV 09 05 52.5

KEV Kevo 2.04 1 PG Pb 09 05 28.7 0.0

KEV KEV 09 05 52.5

KEV Kevo 2.04 1 PG Pb 09 05 28.7 0.0

KEV KEV 09 05 52.5

KEV Kevo 2.04 1 PG Pb 09 05 28.7 0.0

KEV KEV 09 05 52.5

KEV Kevo 2.04 1 PG Pb 09 05 28.7 0.0

KEV KEV 09 05 52.5

KEV Kevo 2.04 1 PG Pb 09 05 28.7 0.0

KEV KEV 09 05 52.5

KEV Kevo 2.04 1 PG Pb 09 05 28.7 0.0

KEV KEV 09 05 52.5

KEV Kevo 2.04 1 PG Pb 09 05 28.7 0.0

KEV KEV 09 05 52.5

KEV Kevo 2.04 1 PG Pb 09 05 28.7 0.0

KEV KEV 09 05 52.5

KEV Kevo 2.04 1 PG Pb 09 05 28.7 0.0

KEV KEV 09 05 52.5

KEV Kevo 2.04 1 PG Pb 09 05 28.7 0.0

KEV KEV 09 05 52.5

KEV Kevo 2.04 1 PG Pb 09 05 28.7 0.0

KEV KEV 09 05 52.5

KEV Kevo 2.04 1 PG Pb 09 05 28.7 0.0

KEV KEV 09 05 52.5

KEV Kevo 2.04 1 PG Pb 09 05 28.7 0.0

KEV KEV 09 05 52.5

KEV Kevo 2.04 1 PG Pb 09 05 28.7 0.0

KEV KEV 09 05 52.5

KEV Kevo 2.04 1 PG Pb 09 05 28.7 0.0

KEV KEV 09 05 52.5

KEV Kevo 2.04 1 PG Pb 09 05 28.7 0.0

KEV KEV 09 05 52.5

KEV Kevo 2.04 1 PG Pb 09 05 28.7 0.0

KEV KEV 09 05 52.5

KEV Kevo 2.04 1 PG Pb 09 05 28.7 0.0

KEV KEV 09 0



1851

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details for various stations.

CATAC 29 10:05:36.0±0.6, 10.89N, 85°31'W, h189km, 56km, mb3.5,

Main table for CATAC 29 10:05:36.0±0.6, 10.89N, 85°31'W, h189km, 56km, mb3.5, listing station codes, names, and technical parameters.

IDC 29 10:07:36.9±5.5, 6.26S, 148°61'E, h83km, 56km, mb3.6/2,

Table for IDC 29 10:07:36.9±5.5, 6.26S, 148°61'E, h83km, 56km, mb3.6/2, listing station codes and names.

SOME 29 10:07:50.9, 41°47'N, 83°32'E, h10km

Table for SOME 29 10:07:50.9, 41°47'N, 83°32'E, h10km, listing station codes and names.

2018 APR

Main table for 2018 APR, listing station codes, names, and technical parameters.

IDC 29 10:23:44.8±1.6, 6.13°99'N, 89°54'W, h0km, mb3.7/3,

Table for IDC 29 10:23:44.8±1.6, 6.13°99'N, 89°54'W, h0km, mb3.7/3, listing station codes and names.

SNET 29 10:23:46.2±0.7, 13°34'N, 89°70'W, h9km, ML3.8

Table for SNET 29 10:23:46.2±0.7, 13°34'N, 89°70'W, h9km, ML3.8, listing station codes and names.

29d 10h

Main table for 29d 10h, listing station codes, names, and technical parameters.

SNET 29 10:34:06.0±0.8, 12°74'N, 88°18'W, h49km, 9km, ML3.5

Table for SNET 29 10:34:06.0±0.8, 12°74'N, 88°18'W, h49km, 9km, ML3.5, listing station codes and names.



STKA	Stevens Creek	42.71	176	P	P	12 37 49.0 +0.2
STKA	Stevens Creek	42.71	176	P	P	12 37 49.6 +0.8
comp=Z,4.5nm,0.8s,baz=350,slow=8.6,SNR=12						
STKA				LR	LR	12 56 59.8
comp=Z,2.30nm,18.5s,baz=12,slow=38						
FORT	Forrest	42.78	194	P	P	12 37 49.9 +0.4
ZEA	Zeya	43.62	350	eP	P	12 37 56.7 +0.7
ZEA				Pmax	Pmax	
comp=N,10.0nm,0.5s						
GTA	Gaotai	44.65	316	eP	P	12 38 05.3 +0.7
GTA				sP	pWP	12 38 15.0 +0.8
GTA				PcP	PP	12 39 48.8 -0.1
comp=Z,1.1nm,1.1s						
GTA				LR	LR	
comp=Z,7.4nm,13.1s						
GTA				LR	LR	
comp=Z,9.2nm,14.7s						
GTA				LR	LR	
comp=Z,130nm,15.9s						
PEAOB	Petropavlovsk-	44.68	16	P	P	12 38 05.5 +1.0
PEAOB	Petropavlovsk-	44.68	16	P	P	12 38 05.5 +1.0
PEAOB				Pmax	Pmax	
comp=Z,1.41nm,1.8s						
PETK	Petropavlovsk-	44.68	16	P	P	12 38 05.5 +0.9
PETK	Petropavlovsk-	44.68	16	P	P	12 38 05.3 +0.8
comp=Z,6.8nm,1.0s,baz=176,slow=3.7,SNR=7.1						
PETK				PcP	PcP	12 39 46.8 -0.1
comp=Z,1.9nm,0.7s,baz=170,slow=2.5,SNR=4.6						
PETK				LR	LR	12 57 02.4
comp=Z,50nm,18.2s,baz=205,slow=36						
ULN	Ulaanbaatar	45.37	330	P	P	12 38 10.3
ULN				IAMB	IAMB	12 38 12.2
ULN	Ulaanbaatar	45.37	330c	iP	Pmax	12 38 11.3 +1.0
ULN				Pmax	Pmax	
comp=Z,23nm,1.7s						
SOMN	Songino Array	45.67	330	P	IAMB	12 38 12.7 0.0
SOMN				IAMB	IAMB	12 38 14.9
comp=Z,20nm,1.4s						
SOMN	Songino Array	45.67	330	P	P	12 38 13.6 +1.0
SOMN				PcP	PcP	12 39 51.0 +0.4
comp=Z,2.2nm,0.7s,baz=157,slow=3.2,SNR=4.8						
SOMN				LR	LR	12 59 10.2
comp=Z,1.09nm,18.4s,baz=132,slow=39						
SHL	Shillong	46.56	295	P	IAMB	12 38 19.5 -0.5
SHL				IAMB	IAMB	12 38 26.1
comp=Z,9.2nm,0.7s						
SHL	Shillong	46.56	295	P	P	12 38 19.5 -0.5
SHL				Pmax	Pmax	
comp=Z,9.0nm,0.7s						
NWAO	Narogin (SRO)	48.26	204	P	P	12 38 32.3 -0.5
NWAO	Narogin (SRO)	48.26	204	P	LR	12 59 57.7
comp=Z,8.1nm,19.1s,baz=266,slow=38						
NWAO	Narogin (SRO)	48.26	204	P	Pmax	12 38 32.3 -0.5
NWAO				Pmax	Pmax	
comp=Z,131nm,2.0s						
ZAK	Zakamensk	48.90	330	eP	P	12 38 38.0 +0.3
ZAK				Pmax	Pmax	
comp=Z,12nm,1.3s						
MA2	Magadan	49.32	8	LR	LR	13 02 32.7
comp=Z,14nm,18.9s,baz=192,slow=40						
BOD	Bodaibo	52.42	343	eP	P	12 38 49.3 +0.3
BOD				Pmax	Pmax	
comp=Z,8.0nm,1.4s						
MOY	Mondy	50.83	331	eP	Pmax	12 38 53.4 +1.0
MOY				Pmax	Pmax	
comp=Z,2.1nm,2.6s						
YAK	Yakutsk	51.38	355	P	P	12 38 55.8 -0.3
YAK	Yakutsk	51.38	355	P	P	12 38 56.6 +0.4
comp=Z,26nm,0.7s,baz=173,slow=1.8,SNR=12						
YAK				LR	LR	12 58 34.2
comp=Z,57nm,19.9s,baz=258,slow=34						
YAK	Yakutsk	51.38	355	eP	P	12 38 55.9 -0.3
YAK				e	ePPP	12 40 11.2
YAK				e	eSS	12 41 58.7
YAK				e	eSS	12 46 10.5 -4.3
YAK				Pmax	Pmax	12 49 49.8 -0.7
comp=Z,29nm,0.9s						
YAK				Pmax	Pmax	
comp=N,11nm,1.3s						
YAK				Pmax	Pmax	
comp=Z,150nm,4.3s						
YAK				Pmax	Pmax	
comp=N,47nm,3.3s						
YAK				smax	smax	
comp=E,28nm,13.3s						
YAK				smax	smax	
comp=N,44nm,15.2s						
SEY	Seymchan	52.77	8	P	P	12 39 07.7 +1.1
comp=Z,7.5nm,0.7s,baz=191,slow=6.5,SNR=23						
SEY	Seymchan	52.77	8	iP	Pmax	12 39 07.9 +1.4
SEY				Pmax	Pmax	
comp=Z,12nm,0.8s						
KIWB	Kanaga Island	54.13	32	P	P	12 39 17.0 +0.3
WMO	Urumqi	54.73	316	eP	P	12 39 24.8 +3.5
ATKA	Atka Island	55.88	33	P	LR	12 39 30.1 +0.8
PALK	Pallekele	57.36	272	LR	LR	13 03 31.8
comp=Z,49nm,20.6s,baz=184,slow=35						
ZSN	Zaisan	57.87	320	eP	P	12 39 43.5 -0.1
ZSN				baz=320		
comp=Z,5.1nm,0.7s						
HYB	Hyderabad	57.87	320	eP	P	12 39 43.5 -0.1
HYB				eP	sP	12 39 49.0 +0.4
HYB				eP	sP	12 39 53.1 -0.6
NIKH	Nikolski High	59.12	34	P	P	12 39 52.9 +0.7
comp=Z,4.0nm,0.7s						
MK31	Makanchi Array	59.31	318	P	IAMB	12 39 54.5 +0.8
MK31				IAMB	IAMB	
comp=Z,7.1nm,0.7s						
MK31	Makanchi Array	59.31	318	P	Pmax	12 39 54.5 +0.8
MK31				Pmax	Pmax	
comp=Z,7.0nm,0.7s						
MKAR	Makanchi Array	59.31	318	P	P	12 39 54.5 +0.9
comp=Z,12nm,0.7s,baz=100,slow=8.6,SNR=135						
MKAR				PcP	PcP	12 40 41.1 -0.5
comp=Z,1.9nm,0.6s,baz=91,slow=6.8,SNR=1.6						
MKAR				LR	LR	13 07 05.3
comp=Z,68nm,18.3s,baz=76,slow=38						
MAKZ	Makanchi	59.52	318	P	P	12 39 55.6 +0.5
MAKZ	Makanchi	59.52	318	P	Pmax	12 39 55.6 +0.5
MAKZ				Pmax	Pmax	
comp=Z,79nm,1.9s						
BILL	Bilbino	59.80	12	P	P	12 39 57.2 +0.6
BILL	Bilbino	59.80	12	iP	Pmax	12 39 57.3 +0.6
BILL				Pmax	Pmax	
comp=Z,20nm,1.8s						
SPIA	Saint Paul Isl	60.31	29	P	P	12 40 00.5 +0.2
ZAAO	Zalesovo Array	60.37	327	P	IAMB	12 40 00.6 -0.1
ZAAO				IAMB	IAMB	12 40 01.6
comp=Z,6.5nm,0.7s						
ZALV	Zalesovo Beam	60.37	327	P	P	12 40 00.6 -0.1
ZALV	Zalesovo Beam	60.37	327	P	P	12 40 00.7 0.0
comp=Z,5.8nm,0.6s,baz=104,slow=6.5,SNR=36						
ZALV				PcP	PcP	12 40 44.9 -0.8
comp=Z,2.5nm,0.5s,baz=128,slow=4.0,SNR=5.6						
ZALV				LR	LR	13 06 35.9
comp=Z,100nm,19.8s,baz=74,slow=37						
P08K	Saint George I	60.37	30	P	P	12 40 01.6 +0.9
P08K				baz=242		
UZB	Uzynbulak	60.57	313	eP	P	12 40 02.8 +0.2
UZB				baz=314		
UZV	Uzynbulak	60.57	313	eP	P	12 40 02.8 +0.2
UNZ	Unalaska Vatie	60.76	34	P	P	12 40 04.0 +0.6
UNZ				baz=247		
TIXI	Tiksi	60.92	356	P	LR	12 40 03.8 -0.4
TIXI	Tiksi	60.92	356	LR	LR	13 06 12.6
comp=Z,52nm,20.2s,baz=190,slow=36						
TIXI	Tiksi	60.92	356c	iP	Pmax	12 40 04.1 -0.1
TIXI				Pmax	Pmax	
comp=Z,4.0nm,0.7s						
SATY	Saty	60.99	313	eP	P	12 40 05.5 0.0
SATY				baz=313		
SATY	Saty	60.99	313	eP	P	12 40 05.4 0.0
TDK	Taldyqorghan	61.44	315	eP	P	12 40 08.6 +0.3

TDK	Taldyqorghan	61.44	315	eP	P	12 40 08.5 +0.3
TDK				Pmax	Pmax	
comp=Z,6.1nm,0.6s,baz=315						
SEM	Semipalatinsk	61.72	322	eP	P	12 40 10.9 +0.6
SEM	Semipalatinsk	61.72	322	eP	P	12 40 10.9 +0.6
MDOK	Medeo	61.99	313	eP	P	12 40 12.0 -0.2
comp=Z,3.1nm,0.8s						
MDOK	Medeo	61.99	313	eP	P	12 40 11.9 -0.2
KSH	Kashi	62.13	309	P	P	12 40 16.0 +2.8
KSH				pP	pWP	12 40 20.8 -1.8
comp=Z,12nm,0.8s						
CHKK	Chushkaly	62.17	314	eP	P	12 40 12.8 -0.4
CHKK	Chushkaly	62.17	314	eP	P	12 40 12.8 -0.4
KURK	Kurchatov	62.80	322	P	P	12 40 17.5 +0.3
KURK	Kurchatov	62.80	322	P	P	12 40 17.8 +0.6
FALS	False Pass	62.82	33	P	P	12 40 18.1 +0.9
FALS				baz=249		
KURBB	Kurchatov Arra	62.83	322	P	P	12 40 17.8 +0.3
comp=Z,13nm,0.7s,baz=106,slow=6.7,SNR=94						
KURBB				LR	LR	13 09 18.6
comp=Z,83nm,18.1s,baz=166,slow=38						
GAMB	Gambell	63.08	22	P	P	12 40 19.7 +0.8
GAMB				baz=237		
NIL	Nilore	63.63	302	P	P	12 40 23.2 +0.1
NIL				Pmax	Pmax	
NIL				Pmax	Pmax	
comp=Z,28nm,0.9s						
AAK	Ala-Archa	63.73	312	LR	LR	13 09 22.0
AAK	Ala-Archa	63.73	312c	iP	Pmax	12 40 24.5 +0.7
AAK				Pmax	Pmax	
comp=Z,8.0nm,2.5s						
S12K	Black Hills	63.84	33	P	P	12 40 25.5 +1.4
BTLs	Baital	64.47	315	eP	P	12 40 28.2 -0.2
BTLs				baz=315		
BTLs	Baital	64.47	315	eP	P	12 40 28.2 -0.2
SDPT	Sand Point	64.58	33	P	P	12 40 29.7 +0.8
ARSB	Arslanbob	64.65	311	P	P	12 40 29.9 0.0
ARSB	Arslanbob	64.65	311	P	Pmax	12 40 29.9 0.0
ARSB				Pmax	Pmax	
comp=Z,2.0nm,0.9s						
CHNS	Chernubova Isl	64.90	34	P	P	12 40 31.4 +0.4
CHNS				baz=253		
M13K	Dall Lake	64.95	28	P	P	12 40 32.7 +1.6
M13K				baz=245		
K13K	Kusilvak Mount	65.00	26	P	P	12 40 33.1 +1.5
S14K	Fog Glacier	65.36	33	P	P	12 40 35.3 +1.2
TNA	Tin City	65.40	22	P	P	12 40 34.6 +0.6
O14K	Tiguyukviet M	65.49	29	P	P	12 40 35.6 +0.9
O14K				baz=249		
N14K	Kuskokwak Cree	65.53	28	P	P	12 40 36.3 +1.3
L14K	Kuka Creek	65.62	27	P	P	12 40 36.0 +0.5
M14K	Bethel	65.72	28	P	P	12 40 37.3 +1.2
M14K				baz=248		
J14K	Nanvaranak Lak	65.81	25	P	P	12 40 38.5 +1.8
ANM	Nome	65.88	23	P	P	12 40 38.4 +1.2
ANM				baz=243		
F14K	Arctic Creek	65.94	22			

29d 12h

H21K	Melozitna River	71.22	24	P	P	12 41 12.0 +1.4
H21K	Melozitna River	71.22	24	P	P	12 41 11.9 +1.4
F21K	Alatna River	71.39	22	P	P	12 41 13.0 +1.4
F21K	Alatna River	71.39	22	P	P	12 41 12.8 +1.3
O22K	Cooper Landing	71.42	30	P	P	12 41 12.7 +0.9
M22K	Willow	71.48	28	P	P	12 41 12.8 +0.8
SEW	Seward	71.48	30	P	P	12 41 13.3 +1.1
KTH	Kantishna Hill	71.50	26	P	P	12 41 13.8 +1.5
CUT	Knifeflade Rid	71.51	20	P	P	12 41 13.4 +1.2
C21K	Chulitna	71.54	28	P	P	12 41 13.2 +0.8
E21K	Killik River	71.57	21	P	P	12 41 12.8 +0.2
E21K	Killik River	71.57	21	P	P	12 41 14.2 +1.6
BPAAW	Bear Paw Mtn.	71.59	26	P	Iamb	12 41 14.2 +1.4
BPAAW	Bear Paw Mtn.	71.59	26	P	Iamb	12 41 14.8
BPAAW	Bear Paw Mtn.	71.59	26	P	P	12 41 13.7 +0.9
B21K	Ikpiqpuq River	71.71	20	P	P	12 41 15.1 +1.8
B21K	Ikpiqpuq River	71.71	20	P	P	12 41 14.6 +1.3
TRF	Thorofare Moun	71.75	27	P	Iamb	12 41 14.7 +0.8
TRF	Thorofare Moun	71.75	27	P	Iamb	12 41 15.2
TRF	Thorofare Moun	71.75	27	P	P	12 41 14.3 +0.3
H22K	Ishlitalna Cre	71.85	24	P	P	12 41 15.5 +1.1
MLY	Manley	71.91	25	P	P	12 41 16.1 +1.4
MLY	Manley	71.91	25	P	P	12 41 14.9 +0.1
PMR	Palmer	71.91	29	P	P	12 41 15.6 +0.9
F22K	John River	71.95	22	P	P	12 41 16.3 +1.4
A22K	Sinclair Lake	72.04	18	P	P	12 41 17.0 +1.7
G22K	Bettles	72.06	23	P	P	12 41 17.3 +1.8
D22K	Aiykyak River	72.15	21	P	Iamb	12 41 17.3 +1.2
D22K	Aiykyak River	72.15	21	P	Iamb	12 41 18.9
D22K	Aiykyak River	72.15	21	P	P	12 41 17.0 +0.9
KNK	Knik Glacier	72.19	29	P	P	12 41 17.9 +1.1
E22K	Anaktuvuk Pass	72.25	22	P	Iamb	12 41 19.6
E22K	Anaktuvuk Pass	72.25	22	P	Iamb	12 41 18.0 +1.2
SML	Sawmill	72.32	28	P	P	12 41 17.9 +0.7
SML	Sawmill	72.32	28	P	Iamb	12 41 22.7
SML	Sawmill	72.32	28	P	Iamb	12 41 17.8 +0.5
B22K	Teshehpuk Lake	72.33	19	P	P	12 41 17.5 +0.5
RND	Reindeer	72.38	27	P	P	12 41 18.3 +0.7
RND	Reindeer	72.38	27	P	Iamb	12 41 19.2
RND	Reindeer	72.38	27	P	P	12 41 18.3 +0.7
RND	Reindeer	72.38	27	P	Pmax	12 41 18.3 +0.7
MCK	McKinley	72.40	26	P	P	12 41 18.2 +0.5
WAT1	Susitna Watana	72.40	27	P	P	12 41 18.3 +0.6
I23K	Minto, Yukon-K	72.50	25	P	Iamb	12 41 19.5 +1.3
I23K	Minto, Yukon-K	72.50	25	P	Iamb	12 41 21.0
I23K	Minto, Yukon-K	72.50	25	P	P	12 41 19.5 +1.3
NEA2	Nenana	72.51	26	P	Iamb	12 41 19.5 +1.2
NEA2	Nenana	72.51	26	P	Iamb	12 41 21.4
NEA2	Nenana	72.51	26	P	P	12 41 19.0 +0.7
H23K	Yukon River	72.57	24	P	P	12 41 20.6 +1.9
H23K	Yukon River	72.57	24	P	Iamb	12 41 21.5
H23K	Yukon River	72.57	24	P	P	12 41 19.8 +1.1
G23K	Bananza Creek	72.58	23	P	P	12 41 20.3 +1.6
G23K	Bananza Creek	72.58	23	P	Iamb	12 41 21.7
G23K	Bananza Creek	72.58	23	P	P	12 41 20.0 +1.3
M23K	Glacier View	72.60	29	P	P	12 41 20.3 +1.4
COLD	Coldfoot	72.63	23	P	P	12 41 20.0 +1.0
WAT6	Susitna Watana	72.73	28	P	P	12 41 21.0 +1.1
GLI	Glacier Island	72.76	30	P	P	12 41 20.5 +0.6
HRA	Herat	72.79	303	P	P	12 41 20.5 -0.3
HRA	Herat	72.79	303	P	Iamb	12 41 22.1
SCM	Sheep Creek Mo	72.80	29	P	P	12 41 21.2 +1.0
SCM	Sheep Creek Mo	72.80	29	P	P	12 41 20.5 +0.4
SCM	Sheep Creek Mo	72.80	29	P	P	12 41 21.2 +1.0
SCM	Sheep Creek Mo	72.80	29	P	Pmax	12 41 21.2 +1.0
D23K	Nanushuk River	72.87	21	P	P	12 41 21.7 +1.4
WRH	Wood River Hill	72.91	26	P	Iamb	12 41 20.5 -0.1
WRH	Wood River Hill	72.91	26	P	Iamb	12 41 22.2
Q23K	Middleton Isla	72.93	31	P	P	12 41 22.3 +1.4
MDM	Murphy Dome	72.94	25	P	P	12 41 22.3 +1.4
MDM	Murphy Dome	72.94	25	P	Iamb	12 41 23.4
DHY	Denali Highway	72.97	27	P	P	12 41 22.2 +0.9
DHY	Denali Highway	72.97	27	P	Iamb	12 41 33.7
DHY	Denali Highway	72.97	27	P	P	12 41 22.2 +0.9
E23K	Chandler	73.03	22	P	P	12 41 22.7 +1.3
COLA	College	73.08	25	P	P	12 41 22.7 +1.1
COLA	College	73.08	25	P	Iamb	12 41 22.7 +1.1
COLA	College	73.08	25	P	Pmax	12 41 21.6 0.0
C23K	Iklikliik River	73.11	20	P	P	12 41 23.2 +1.5
C23K	Iklikliik River	73.11	20	P	P	12 41 23.6 +1.8
TOLK	Toolik Lake Re	73.18	21	P	Iamb	12 41 24.1 +1.8
TOLK	Toolik Lake Re	73.18	21	P	Iamb	12 41 25.1
TOLK	Toolik Lake Re	73.18	21	P	P	12 41 23.8 +1.5
H24K	Noodor Dome	73.25	24	P	P	12 41 23.6 +0.9
H24K	Noodor Dome	73.25	24	P	Iamb	12 41 25.6
H24K	Noodor Dome	73.25	24	P	P	12 41 24.4 +1.7
POKR	Poker Plat Res	73.30	25	P	P	12 41 24.4 +1.4
M24K	Tolson, Glenn	73.38	28	P	P	12 41 24.5 +1.0
HDA	Harding Lake	73.38	26	P	P	12 41 23.4 -0.1
HDA	Harding Lake	73.38	26	P	P	12 41 24.7 +1.2
KLU	Klutina	73.41	29	P	P	12 41 24.8 +1.0
E24K	Your Creek	73.45	22	P	P	12 41 24.9 +1.1
E24K	Your Creek	73.45	22	P	P	12 41 24.8 +0.9
IL31	Eielson Array	73.47	26	P	P	12 41 24.3 +0.4
ILAR	Happy Valley	73.47	26	P	P	12 41 24.1 +0.2
D24K	Happy Valley	73.56	21	P	P	12 41 26.0 +1.6
D24K	Happy Valley	73.56	21	P	P	12 41 25.8 +1.4
F24K	Squaw Lake	73.56	23	P	P	12 41 25.8 +1.3

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F24K	Squaw Lake	73.56	23	P	P	12 41 26.2 +1.6
G24K	Hadweenciz River	73.57	23	P	P	12 41 25.7 +1.2
C24K	Fralin Bluff	73.73	20	P	P	12 41 26.4 +1.1
K24K	Donnelly Dome	73.80	27	P	P	12 41 27.0 +1.0
PAX	Faxson	73.82	27	P	P	12 41 26.9 +0.7
HARP	HAARP	73.89	28	P	P	12 41 27.4 +0.9
KAIM	Kayak Island	73.96	31	P	P	12 41 28.4 +1.4
BMRM	Bremner River	73.98	30	P	P	12 41 27.8 +0.7
N25K	Chitina, Valde	74.06	29	P	P	12 41 28.5 +0.9
J25K	Salcha River	74.09	26	P	P	12 41 27.6 -0.1
J25K	Salcha River	74.09	26	P	P	12 41 27.6 -0.1
G25K	Bearman Lake	74.11	23	P	P	12 41 28.5 +0.8
H25L	Birch Creek	74.15	24	P	P	12 41 28.8 +0.9
PRP	Porcupine Dome	74.15	25	P	P	12 41 28.4 +0.3
GLB	Gilahina Butte	74.41	29	P	Iamb	12 41 30.5 +0.8
GLB	Gilahina Butte	74.41	29	P	Iamb	12 41 32.2
F25K	Christian River	74.42	23	P	P	12 41 30.0 +0.5
D25K	Kavik River	74.45	21	P	Iamb	12 41 31.0 +1.3
D25K	Kavik River	74.45	21	P	Iamb	12 41 32.2
D25K	Kavik River	74.45	21	P	P	12 41 30.4 +0.7
ABKAR	Akbulak array	74.46	318	P	P	12 41 30.0 0.0
ABKAR	Akbulak array	74.46	318	P	P	12 41 29.6 -0.5
E25K	Arctic Village	74.54	22	P	Iamb	12 41 31.9 +1.8
E25K	Arctic Village	74.54	22	P	Iamb	12 41 33.4
E25K	Arctic Village	74.54	22	P	P	12 41 30.8 +0.6
SCAR	Sand Creek	74.61	27	P	P	12 41 31.6 +0.8
MCARA	McCarty VSAT	74.78	29	P	P	12 41 32.6 +0.9
L26K	Log Cabin Wild	74.79	28	P	P	12 41 33.1 +1.3
L26K	Log Cabin Wild	74.79	28	P	Iamb	12 41 34.3
L26K	Log Cabin Wild	74.79	28	P	P	12 41 32.7 +1.0
BMAR	Burnt Mountain	74.81	23	P	P	12 41 34.0 +2.2
J26L	Joseph Creek	74.85	26	P	P	12 41 32.4 +0.2
M26K	Nabesna, AK	74.89	28	P	P	12 41 33.5 +1.1
F26K	Sheenij River	75.01	23	P	P	12 41 34.1 +1.1
G26K	Porcupine River	75.05	23	P	P	12 41 34.5 +1.4
C26K	Camden Bay	75.06	20	P	P	12 41 34.9 +1.8
I26K	Cool Creek Min	75.11	25	P	P	12 41 34.3 +0.8
M27K	Edge Creek, AK	75.40	28	P	P	12 41 35.8 +0.4
C27K	Jago River	75.43	21	P	P	12 41 36.4 +1.1
K27K	Chicken	75.45	27	P	P	12 41 37.1 +1.6
L27K	Beaver Creek,	75.48	28	P	P	12 41 37.5 +1.8
ARU	Arti	75.50	326	P	Iamb	12 41 35.3 -0.7
ARU	Arti	75.50	326	P	Iamb	12 41 36.4
ARU	Arti	75.50	326	P	P	12 41 35.2 -0.7
ARU	Arti	75.50	326	P	Iamb	12 41 35.4 -0.5
ARU	Arti	75.50	326	P	S	12 44 23.3
ARU	Arti	75.50	326	P	S	12 51 16.6 +1.0
ARU	Arti	75.50	326	P	Pmax	12 41 37.0 +1.1
BCAR	Beaver Creek	75.50	28	P	P	12 41 37.4 +1.0
CTG	Chitna Glacier	75.57	30	P	P	12 41 37.4 +1.0
AKTO	Aktuyubinsk	75.72	319	LR	LR	13 16 40.0
LOGN	Logan Glacier	75.72	30	P	Iamb	12 41 38.6 +1.3
LOGN	Logan Glacier	75.72	30	P	Iamb	12 41 39.8
I27K	Kandi Creek	75.78	25	P	P	12 41 38.6 +1.2
G27K	Doyon Strip	75.87	24	P	P	12 41 38.7 +0.8
H27K	Steamboat Moun	75.87	24	P	P	12 41 39.5 +1.5
EGAK	Eagle	75.91	26	P	P	12 41 39.5 +1.5
EGAK	Eagle	75.91	26	P	P	12 41 39.6 +1.5
E27K	Coleen River	76.02	22	P	Iamb	12 41 39.9 +1.1
E27K	Coleen River	76.02	22	P	Iamb	12 41 41.6
E27K	Coleen River	76.02	22	P	P	12 41 40.2 +1.5
YUK3	Moose Creek	76.03	29	P	P	12 41 40.5 +1.4
O28M	Mount Upton	76.12	30	P	P	12 41 40.7 +0.9
PPT	Papeete	76.25	111	LR	LR	13 06 22.7
YUK8	Steele Glacier	76.35	29	P	P	12 41 42.2 +1.1
D27M	Malcolm River	76.35	21	P	P	12 41 42.2 +1.6
I28M	Miner Creek	76.47	25	P	P	12 41 43.1 +1.8
PNL	Peninsula	76.48	31	P	P	12 41 42.4 +0.9
F28M	Old Crow	76.62	23	P	P	12 41 44.0 +1.8
DAWY	Dawson	76.63	27	P	P	12 41 43.7 +1.4
WSAR	Wadi Sarin	76.75	291	LR	LR	13 17 12.7
E28M	Babbage River	76.81	22	P	P	12 41 44.9 +1.7
YUK4	Talbot Arm	76.89	29	P	P	12 41 45.9 +1.9
M29M	Somme Creek	77.00	28	P	Iamb	12 41 45.6 +1.1
M29M	Somme Creek	77.00	28	P	Iamb	12 41 47.8
M29M	Somme Creek	77.00	28	P	P	12 41 46.1 +1.6
YUK6	Outpost Mounta	77.02	30	P	P	12 41 46.4 +1.7
D28M	Stokes Point	77.14	21	P	P	12 41 46.6 +1.6
H29M	Whitestone	77.15	24	P	P	12 41 45.6 +0.5
J29N	Klondike Camp	77.16	26	P	P	12 41 45.9 +0.7
L29M	L29M	77.16	28	P	P	12 41 46.3 +1.0
G29M	Pine Creek	77.31	24	P	P	12 41 47.0 +1.0
P29M	Windy Craggy	77.32	31	P	P	12 41 46.9 +0.6
E29M	Blow River	77.41	22	P	P	12 41 48.1 +1.6
HYT	Haines Junctio	77.44	30	P	Iamb	12 41 49.1 +2.1
HYT	Haines Junctio	77.44	30	P	Iamb	12 41 50.3
HYT	Haines Jun					



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Table with columns: ANN, Name, Time, Az, El, P, Az, El, P, Az, El, P. Includes stations like Anapa, FIA1, FINES, NEW, VSU, SMMC, MNK, ARV, GRAC, DECC, HLID, BR13, BRTR, BRTR, EDW2, MPMC, CIS, FMP, ELK, FURC, BFSC, MMAI, RRX, GSC, R11B, MURC, BBRC, SHOC, BOZ, HEC, EGMT, T98, PFO, TPFO, MONP, BELC, GMRC, IKP, DUG, H17A, SWSC, HFS, BC3, IRM, NEE2, NOA, NOA, RLMT, PDMC, MLR, BW06, PDAR, LAO, DGMT, 214A, O20A, M20A, TUC, RSSD, CLL, SDCO, 121A, Y22F, OGNF, SUSD, KSCO, ECSD.

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Table with columns: EYMN, MSTM, ABTX, JFWF, WHTX, GLMI, HDIL, CCM, MIAR, SFIN, O48B, P49A, M53A, LONY, TZTN, LRAL, BINY, LBNH, SPPA, KSMF, HRV, TORD, DBIC, PLCA, LPZA, LPZA, Code, Station Name, Az, El, P, Phase ID, Time, Res. Includes stations like EYMN, MSTM, ABTX, JFWF, WHTX, GLMI, HDIL, CCM, MIAR, SFIN, O48B, P49A, M53A, LONY, TZTN, LRAL, BINY, LBNH, SPPA, KSMF, HRV, TORD, DBIC, PLCA, LPZA, LPZA, Code, Station Name, Az, El, P, Phase ID, Time, Res.

29d 13h

Table with columns: JOW, JOW, JOW, URZ, JHW, MORW, NACB, NACB, RPZ, SSSL, SSSL, YHNB, YHNB, JNU, MJAR, KSRF, KSRF, ASAJ, USA0, USA0, USRK, CMAR, KLR, PE08, PETK, PETK, SHEM, MA2, SONM, SONM, YAK, VNSA, BILL, O14K, M14K, I14K, K15K, M16K, OHAK, L16K, KDAK, J17K, J17K, L18K, L18K, N19K, G16K, T19K, RSO, L19K, L19K, CNPM, M19K, J18K, J18K, G18K, MKAR, MKAR, K20K, MAKZ, E18K, E18K, J20K, G19K, CAST, F19K, F19K, ZALV, KTH, KTH, E19K, E19K, SML, SML, F20K, IMAR, C19K, C19K, D19K, RND, RND, MLY, RAGM, NEA2, I23K, I23K, WRH, E21K, BOOM, BOOM, GLB, ILAR, ILAR, KURB, H24K, H24K, D22K, D22K, J25K, J25K, MAW, GSPA, GSPA.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Sand Creek, Squaw Lake, Edge Creek, etc.

TAP 29 13:39:03.2, 24.38N, 121.47E, h4km, 1km, ML0.8, 2D, C, Taiwan

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Datong, NNSH, LATG, etc.

WEL 29 13:39:08.7, 0.8, 37.3, 4.7, 9E, h12km, M3.2/14, ML3.5/24, MLV3.2/14, Error ellipse: s-maj=0.0km

s-min=0.0km az=109.9, confirmed, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Matakaoa Point, Waiomatatini S, Pakihiroa, etc.

JMA 29 13:39:15.0, 0.1, 24.2N, 0.6, 123.3E, 0.2, h22km, 1km, MV2.0/9, NW OFF ISHIGAKIJIMA IS, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Yonaguni jima, Yonagunijimaku, Iriomote-Funau, etc.

ROM 29 14:45:27.5, 0.1, 43.080N, 0.004, 13.027E, 0.005, h10km, ML1.0/18, 1C-1D, Error ellipse: s-maj=0.5km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Muccia, Frazio, Camerino, Fraz, etc.

ROM 29 14:46:11.0, 0.0, 43.063N, 0.002, 13.058E, 0.004, h9km, ML2.0/83, 8C-1D, Error ellipse: s-maj=0.3km

FDMO Fiordimonte 0.03 141 P Pg 14 46 12.9 +0.1

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Matakaoa Point, Waiomatatini S, Pakihiroa, etc.

MTRM Matera 0.39 141 P Pg 14 46 19.2 +0.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include MTR, MURB, MOMA, ARVD, LNSS, SMA1, RM33, ATVO, CESX, TERO, NARO, GIGS, etc.

ISC 29 15:15:38.9-0.8, 12.64N-143.02E, h139km, 7km, mb3.9/18, mbmp4.3/20, MS3.2/5, Error ellipse: s-maj=11.7km s-min=11.0km az=115.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include GUMO, MANU, FAKI, JOW, YOW, YJOW, YULB, NACB, H11S3, H11S1, H11S2, SSSL, TPUB, H11N1, H11N2, H11N3, MJAR, MAJO, MJB9, JSD, COEN, KRSR, SOEI, CTAO, WRAB, YSS, ASAR, EIDS, HHC, HEH, PZH, DZM, STKA, FORT, BB00, SONM, MAZ, CAN, MORW, BILL, TIXI, TUWZ, MK31, MKAR, MAZK, ZAAO, ZALV, KURK, KSH, C16K, F17K, G18K, G19K, C19K, CNPM, J20K, IMAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include B20K, F21K, F21K, KK31, KKAR, B21K, B21K, SML, NEA2, NEA2, B22K, B22K, BVAR, BVAR, BRVK, WRH, IL31, IL31, ILAR, ILAR, E24K, E24K, G24K, J25K, VRDI, FYU, FYU, E25K, J26L, BMAR, CTGM, CTGM, L27K, L27K, LOGN, LOGN, I28M, DAWY, F28M, E28M, H28M, H28M, G29M, J30M, J30M, I30M, G30M, G30M, JIS, JIS, H31M, G31M, G31M, F31M, INK, ARKAR, ARU, ARU, A36M, A36M, C36M, EUNU, EUNU, YKA, YKA, YKA, RES, RES, ARCES, ARCES, ARCES, ARCES, BMO, BMO, NVAR, FINES, PFO, PDAR, JLMC, JLMC, TORD, LPAZ, etc.

NEIC 29 15:36:21.7-1.5, 36.30N-107.70E, h119km, 8km, mb4.1/4, Error ellipse: s-maj=11.1km s-min=6.3km az=148.0

29d 15h

Table with columns: BOOM, TKM2, GEYT, ALIBECK, GEYT, GYA0B, MAKZ, MK31, MKAR, MKAR, WMQ, AB31, ABKAR, KURBB, BVAR, AKTO, ZAA0, ZAA0, ZALV, ZALV, H17C, HHC, HHC, FINES, ARCES, HFS, NRS, TOLK, TOLK. Includes station names, coordinates, and various parameters.

IDC 29:15:37.23:21.1, 8.42265:88.27E, h0km, mb3.5, 5.6, 15mtp3.8/5, MS3.5/10, Error ellipse: s-maj=52.6km s-min=25.4km az=109.0, Southeast Indian Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists stations like H01W2, H01W3, H01W0, H11W1, H08S2, H08S1, H08S3, ASAR, WRA, Vnda, QSPA, PALK, BOSA, LBTB, CMAR, AAK, EIL, PLCA, ZALV.

AEIC 29:15:38:36.6:3.2, 51.141N:0.08:177.49W:0.09, h22km, 6km, Error ellipse: s-maj=13.0km s-min=12.0km az=177.5

NEIC 29:15:38:36.5:1.7, 51.38N:0.06:177.50W:0.08, h14km, 8km, mb4.2/117, ML4.7/6, ML4.2(AEIC), Error ellipse: s-maj=9.1km s-min=6.5km az=149.0

IDC 29:15:38:38.6:2.7, 51.55N:177.50W, h34km, 19km, mb3.6/17, mbmp3.9/21, ML4.1/3, MS3.2/29, Error ellipse: s-maj=24.7km s-min=11.8km az=175.0

IDC 29:15:38:34.0:5.5, 51.29N:0.06:177.46W:0.03, h10km, n182, r192/128, mb4.2/53, MS3.2/25, Andean/Of Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists stations like KIMD, KIMD, TAFI, KIWB, KICM, KIRH, TASE, KINC, TANO, ADK, ADK, ADAG, CAEA, GALA, GANO, GSTD, GSHY, LSPT, CEPE, CERB, CESW, CEAP, AMKA, AMKA, ATKA, ATKA, KOWE, KOKL, KOPF, LSSE, LSPA, LSSA, LSNW, CLES, CLES.

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Table with columns: CLES, SHEM, SHEM, SHEM, NIKH, MAPS, MWSW, P08K, ZRV, ZNO, SDPT, CNBA, O14K, CHGN, M14K, O16K, M16K, M17K, O18K, N18K, PETK, PETK, K17K, K17K, V17K, KDAK, N19K, N19K, TTA, L19K, J18K, M19K, CNPM, M20K, M20K, J19K, J19K, BRLL, BRLL, K20K, SKT, SKT, J20K, SUIA, C16K, G19K, G19K, CUT, F19K, PMR, PMR, KTH, KTH, KNK, KNK, TRF, TRF, IMAR, C18K, H21K, H21K, RND, MLY, MA2, SEY, SEY, DHY, KLU, I23K, MDM, MDM, G23K, POKR, POKR, ILAR, ILAR, H24K, H24K, GLB, GLB, D22K, B21K, G24K, M26K, SCRK, SCRK, F24K, TOLK, J26L, M27K, K27K, E25K, EGAK, DAWY, I28M, I28M, K29M, K29M, J30M, E28M, E28M, E29M, INK, ASAJ.

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Table with columns: DLBC, YAK, A36M, TIXI, KLR, H11N2, H11N3, H11N1, USRK, MJAR, MJAR, YKA, YKA, H11S1, H11S2, H11S3, LON, YBH, NEW, J05D, I07A, JCJ, J08A, WVOR, KSRS, KSRS, MSO, PAHR, PAHR, JNU, PNTR, HLID, HLID, NVAR, ELK, ELK, YFT, IMW, HVU, R11B, R11B, PSUT, PDAR, PDAR, SONM, SONM, SONM, W13A, TIA, TIA, HHC, HHC, ANMO, FRB, LPIG, TXAR, SCHO, KURBB, MKAR, BVAR, PZH, PZH, PZH, DAV, TKL, FINES, AKTO, AKTO, HFS, CMAR, CMAR, GEYT, GNI, GNI, ASAR.



Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Kanaga Island, Tanaga Flats, Kanaga Island, etc.

IDC 29 15:51:34.0-0.8, 1.94N, 128.46E, h0km, mb4.0/1.0, mbmp4.0/1.0, Error ellipse: s-maj=50.3km s-min=16.2km az=76.0

DJA 29 15:51:36.0-0.8, 2.18N, 128.46E, h10km, M4.2/9, mb4.2/5, ML4.2/9

NEIC 29 15:51:42.3-2.4, 1.84N, 0.019, 128.74E, 0.04, h60km, 8km, mb4.4/26, Error ellipse: s-maj=13.8km s-min=5.5km az=163.0

ISC 29 15:51:39.4-0.6, 2.02N, 0.06, 128.81E, 0.08, h35km, n54, r130/53, mb4.3/23, Halmahera

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Ternate, Labuha, Sangihe, Sorong, etc.

Table with columns: IMAR, Indian Mountain, 83.06, 24, P, P, 16 04 02.8 +1.7, 16 04 04.5 +1.9, 16 04 05.9. Includes stations like Castle Rocks, Killik River, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Taliwang, Singaraja, Jajag, Banyuwana, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Barre de l'ile, Terre de Bas, Guadaloupe-3, etc.

KRNET 29 16:23:49.5-0.1, 40.89N, 70.91E, h16km, mb3.4

SOME 29 16:23:50.1, 40.90N, 70.79E, h18km

NINC 29 16:23:51.5, 40.98N, 70.92E, h10km

ISC 29 16:23:49.4-0.8, 0.40S, 130.12E, 0.02, h17km, 6km, n54, r180/99, 23C-13D, Tajikistan

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Chadak, Mingtiut, Kasansay, Namangan, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Merke, Dzhizak, Bakhmal, Karalay, etc.

SJA 29 16:58:01.9-2.0, 7.23S, 140.56E, h155km, 6km, ML3.9, MW3.9

NEIC 29 16:58:02.2, 2.21S, 135.50S, 0.06, 67.85W, 0.09, h137km, 5km, r172/4, Error ellipse: s-maj=12.2km s-min=8.1km az=78.0

GUC 29 16:58:02.6-0.8, 23.43S, 67.87W, h150km, 3km, ML 4.2

IDC 29 16:58:03.5-0.9, 23.32S, 67.71W, h134km, 7km, mb3.8/1.0, mbmp4.2/14, Error ellipse: s-maj=15.3km s-min=13.9km az=42.0

VAO 29 16:58:03.9-0.4, 23.21S, 67.79W, h140km, mb4.2

ISC 29 16:58:02.6-0.6, 23.41S, 0.03, 67.83W, 0.05, h141km, 5km, n160, r184/217, mb4.6/19, 3C-16D, Chile-Argentina border region

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



Table with columns for station name, elevation, frequency, and other technical details. Includes stations like CEVE, CEDA, JAYA, UESS, etc.

Table with columns for station name, elevation, frequency, and other technical details. Includes stations like TKL, RTBA, COWI, ELK, etc.

Table with columns for station name, elevation, frequency, and other technical details. Includes stations like EYAK, P17K, FID, GLI, etc.



Table with columns: Station Name, Time, Res, Phase ID, Op, ISC, h, m, s, ISC. Includes stations like BATI Baunata, WRA Warrungarra Arr, EDFI Ende, ASAR Alice Springs, etc.

GCMT 29 17:54:57.0, 4.2, 0.055, 0.02, 88.04E, 0.03, h16km, 2km, MW4 7/72, Moment Tensor Solution, s16, c18, 672, c91; Duration: 0; Moment tensor: Scale 10^16Nm; ...

IDC 29 17:55:28.8, 1.1, 47.32N, 120.69W, h0km, mb3.5/2, mbmp3.5/6, ML3.6/4, MS3.3/2, Error ellipse: s-maj=16.5km, s-min=8.8km, az=137.0; ...

Table with columns: Code, Station Name, Time, Res, Phase ID, Op, ISC, h, m, s, ISC. Includes stations like LTY Liberty, TBM Table Mountain, WRW Warrungarra Arr, etc.

Main table with columns: Station Name, Time, Res, Phase ID, Op, ISC, h, m, s, ISC. Includes stations like F04D Rainier, G06A Carlson Farm, B04A Port Angeles, etc.

Table with columns: Station Name, Time, Res, Phase ID, Op, ISC, h, m, s, ISC. Includes stations like WRA Warrungarra Arr, WRA Warrungarra Arr, WRA Warrungarra Arr, etc.



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Table with columns: Code, Station Name, s-min, az, South of Fiji Islands, Phase ID, Time, Res. Includes stations like STKA, ASAR, WRA, QSPA, TXAR, HFS.

JMA 29 18:59:27.8, 0.2, 22.5N, 0.9, 121.4E, 0.8, h0km, MV3.2/9, TAIWAN REGION. TAP 29 18:59:28.9, 22.40N, 121.00E, h10km, ML3.5, C. ASI 29 18:59:28.9, 22.40N, 121.00E, h10km, ML3.5, Mw3.4.

Main table for 1865 with columns: Code, Station Name, s-min, az, Phase ID, Time, Res. Includes stations like TAW, TAWH, EAST, ECL, SLIU, TTN, SCZT, SMST, TAWB, TWG, MASBT, HEN, TSMG, TWK1, TWKB, TWKBT, SSD, LONT, LAY, SGLT, LYUB, EDH, SLGT, SCST, TWM1, ECS, WSSB, CHKT, CHKT, EHD, ELDTW, SGST, STYH, CHKH, SHHT, CHN1, CHN1.

2018 APR

Main table for 2018 APR with columns: CHN3, Station Name, s-min, az, Phase ID, Time, Res. Includes stations like SHINHUA, WTP, WTP, SNST, TPUB, TPUB, TPUB, TWFI, EYUL, ECBN, YULB, YULB, CHN4, CHN4, SCLT, WCKO, WCKO, ALS, ALS, EHY, HGSD, TSCK, ICHU, ICHU, CHN8, CHN8, CHN8, CHN5, CHN5, CHN2, WHYT, EGFH, WARBT, VWDT, WKG, WDLH, WDLH, SSLB, SSLB, SSLB, WTK, WTK, WSF, WSF, ESL, SMLT, TYC, TYC, WNT, WNT, WDG, OWD, WUSB, WRL, LXIB, WCS, WCS, CHGB, VCHM, PHUB, PHUB, PNG, PNG, NACB, NACB, ET LH, FUSS, TDCB, TWT, WHP, WHP, TWQ1, TWQ1, NSY, NSY, NNSB, NNSB, E0S4, E0S4, LATG, NDT.

29d 19h

Table with columns: YHNB, Station Name, s-min, az, Phase ID, Time, Res. Includes stations like YHNB, YHNB, NSK, FUSB, YOJ, YOJ, IRIF, JKRS, JISG.

BJI 29 19:05:53.9, 0.0, 4.27N, 96.32E, h34km, mb4.1/28, mB4.7/17, Ms4.2/18, Ms7.4/0/19. IDC 29 19:05:54.6, 3.5, 4.63N, 96.07E, h14km, 21km, mb3.9/19, mtmP4.0/20, ML3.7/1, MS3.7/49, Error ellipse: s-maj=23.5km s-min=13.5km az=57.0.

Sumatera

Main table for 29d 19h with columns: Code, Station Name, s-min, az, Phase ID, Time, Res. Includes stations like MLSI, MLSI, LHMI, LHMI, LHMI, KCSI, KCSI, SINSI, GSI, GSI, GSI, KULM, PULAU, SRIT, BKNI, SISI, PDSI, MYKOM, MNAI, MNAI, LWLI, KASI, CM31, CMAR, CMAR, PALK, PALK, PALK, PALK, LEM, UGM, QIZ, QIZ, QIZ, TNCH, TNCH, TNCH, TNCH, TNCH, SHL, SHL, KMI, KMI, KMI, KMI, PZH, PZH, GYA, GYA, GYA, GYA, MAPI, TOL2, TOL2, LSA, LSA, H0S2, H0S3, H0S1, DAV, XAN, XAN, XAN, XAN, XAN, LZH, LZH.





29d 20h

Table of station data for the 29d 20h period, including call signs (e.g., FAKI, TBI, GUMG), frequencies, and signal quality metrics.

2018 APR

Table of station data for the 2018 APR period, including call signs (e.g., ASAJ, KSRS, QIZ), frequencies, and signal quality metrics.

1868

Table of station data for the 1868 period, including call signs (e.g., HHC, HHC, BTO), frequencies, and signal quality metrics.







1871

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Saint Gilles, La Foliniere, Rostrenen, El Cabril, etc.

NEIC 29 21:53:11.1±1.4, 19.07N±0.09±145.5E±0.2, h228km±10km, mb3.9/11, Error ellipse: s-maj=24.6km s-min=13.0km

IDC 29 21:53:12.4±5.2, 19.10N±145.70E, h257km, 50km, mb3.2/11, mbtpm3.9/13, Error ellipse: s-maj=24.8km s-min=13.3km az=87.0

ISC 29 21:53:08.7±0.8, 19.21N±0.08±145.6E±0.1, h214km, n31, r=178/32, mb3.6/16, Mariana Islands

Main station list table for the first section, including stations like Chichijima, Kungami, Kuroka, Matushiro Arr, etc.

IDC 29 22:00:28.5±4.9, 23.10N±100.27W, h0km, mb3.1/2, mbtpm3.1/3, ML3.0/1, Error ellipse: s-maj=119.7km s-min=48.7km az=68.0

MEX 29 22:00:29.6±0.9, 22.68N±100.33W, h25km±24km, MD4.3

ISC 29 22:00:24.0±0.7, 22.77N±100.03±100.46W±0.03, h10km, n35, r=219/48, Central Mexico

Main station list table for the second section, including stations like Rio Verde, Gomez Farias, Zacatecas, Juriquilla Cam, etc.

2018 APR

Table with columns: ZIIG, FTIG, TOIG, MGIG, TWIG, TXIG, YOIG, YXIG, TXAR, PDAR, NVAR. Includes stations like Zihuanejo, Fresnillo de T, Topalpan, Malinaltepec, etc.

TAP 29 22:22:21.6, 23.80N±122.52E, h27km, ML3.4, C

JMA 29 22:22:22.0±0.2, 23.9N±1.0±122.5E±0.6, h37km, MV2.7/12, NW OFF ISHIGAKIJIMA IS

ISC 29 22:22:21.3±1.1, 23.77N±100.02±122.51E±0.02, h25km±11km, n114, r=90/186, Taiwan region

Main station list table for the third section, including stations like EOSA, E0S4, E0S3, E0S2, E0S1, etc.

Main station list table for the fourth section, including stations like CHKT, FUSS, WVDW, WVDW, CHGB, CHGB, WUSB, WUSB, FUSB, FUSHANZHUYUYA, etc.

29d 22h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like CHN1 Nanshi, SNST Tainan City, WTK Tuku, etc.

IDC 29:22:23.03.9.0.4.39:23S;46:32E, h0km, mb4.7/26, mbtmp4.7/26, MS5.1/55, Error ellipse: s-maj=14.6km s-min=11.3km az=48.0

MOS 29:22:23.04.9.1.0.39:21S;46:17E, h15km, mb5.4/42, MS5.1/53, Error ellipse: s-maj=14.4km s-min=5.8km az=92.1

NEIC 29:22:23.06.0.1.4.39:27S;0:07:46.1E:0:1.1, h10km, km, mb5.3/112, Ms. 20.5, 4.5/71, Mw5.5, 7/43, Mw5.5, 9/18, Error ellipse: s-maj=15.2km s-min=10.8km az=235.0, Moment Tensor Solution. Moment tensor: Scale 10^17Nm;

NEIC 29:22:23.06.6.39:25S;46:07E, h26km, Moment Tensor Solution. Duration: 4s. Moment tensor: Scale 10^17Nm; Mm-1.66; Ms=2.20; Mw=0.53; Mo=0.47; Mw=7.91; Mw=2.36;

NEIC 29:22:23.06.6.39:25S;46:07E, h10km, Moment Tensor Solution. s154.c324, s167.c560, Duration: 2s. Moment tensor: Scale 10^17Nm;

NEIC 29:22:23.09.9.0.1.39:21S;46:20E, h20km, MW5.9/167, Moment Tensor Solution. s154.c324, s167.c560, Duration: 2s. Moment tensor: Scale 10^17Nm;

ISC 29:22:23.05.4.0.5.39:29S;0:04:46.09E:0:05. h6km, 2km, h5km, p-P, n+1071, az=100.772, mb5.1/150, MS5.4/389, ASC-22D, Southwest Indian Ridge

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like FOMA Nahampoana Res, GRHM Grahamstown, etc.

Main table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like MATP Matopo, MATP Matopo, MATP Matopo, etc.

Main table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like MZR Muzera, MZR Muzera, MZR Muzera, etc.



Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like MT02, UZB, SURR, SHLS, etc.

Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like PVAO, ES07, MODS, etc.

Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like PRA, XAN, PCAS, etc.



Table with columns: Station ID, Name, Frequency, Power, Mode, and various signal quality metrics. Includes stations like EYMN Ely, C20K Franklin Bluff, D22K Ayiyak River, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and various signal quality metrics. Includes stations like J16K Anvik River, BMSR Burnt Mountain, K5U1 Kansas State, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and various signal quality metrics. Includes stations like WRH Wood River Hill, H31M Peel River, H31M Peel River, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KLU Klutina, MPMY Sheldon Lake, Q22K Cooper Landing, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like C013 Ascot Lane Oak, C062 Calle Reynoso, C070 Dillo Street S, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like LCH comp=E,8.7nm,4.7s, LCH comp=N,9.7nm,4.9s, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like WCT Wildcat Mountain, WCT comp=E,6.3nm,4.7s, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eilmann Array, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KULLO Kullorsuag, ILON Iglolik, ILON comp=Z,6.1nm,0.8s, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ASTN Avondale Sprin, TAZEW Tazewell, V52A comp=N,2um,0.2s, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like VHTN Van Hill, CCNC Camp Creek Bal, LRVA Lonesome Ridge, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like V53A Saluda, V53A comp=E,785nm,0.3s, V53A comp=N,605nm,0.3s, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like GRBT Greenback, CCRT Cow Camps Rge, MGNC Mount Gibbes, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like V52A Murphy, W52A Nelsons Funny, U54A comp=E,543nm,0.4s, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like GFM Grandfather Mts, ETT Etowah, S51A Beattyville, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like C027 Lawview Circl, C047 Rutherford Dri, BGC Bolinger Road, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like B0M Boundary Peak, NVAR Mina Array Bea, NVAR Mina Array St, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like BG3 Lake Jocassee, T50A Nancy, SMNC South Mountain, etc.

NEIC 29 22:25:12.8,1.3,37.805N,0.010:122.003W,0.005, h15km,2km, Error ellipse: s-maj=1.5km s-min=0.5km az=179.0

NCEDC 29 22:25:12.3,1.2,37.823N,0.008:121.982W,0.009, h8km,2km, Md2.9(113,ML2.5/48)(NEIC), Error ellipse: s-maj=1.2km s-min=1.0km az=203.0, Central California





Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SNET Serv Nac Est T, UTEC Universidad Te, ITCA Escuela Especi, etc.

ISCN 30 00:49:50.1-0.7, 33.18N-46.23E, h11km, 3km, ML2.9
TEH 30 00:49:51.2, 33.18N-46.22E, h10km, 280km, ML2.5

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IBDR Badra, IGHF Ghaleghaz, KCHF Cheshme Seif, etc.

ISCN 30 01:11:38.2-1.4, 0.75S, 127.54E, h0km, mb3.9/6,
mbmp3.9/6, Error ellipse: s-maj=134.8km s-min=21.8km

DJA 30 01:11:41.3-0.3, 1.5S, 127.7E, h10km, M3.9/6, mb4.2/1,
MLV3.7/6

ISCN 30 01:11:40.8-0.8, 1.03S, 0.06-127.15E, h10km, n12,
e160/14, mb4.1/5, Halmahera

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LBMI Labuha, SANI Sanana, TINTI Ternate, etc.

ZALV 0.8nm, 0.5s
Zalewoski Beam 65.01 334 P
2.0nm, 0.3s, baz=148, slow=8.5, SNR=1.8

KURBS Kurchatov Arra 65.97 328 P
0.9nm, 0.7s, baz=129, slow=6.1, SNR=9.9

NIED 30 01:18:33.9, 38.01N, 142.27E, h41km, MW3.6, Moment
Tensor Solution, s3 Moment tensor: Scale 10^14Nm

JMA 30 01:18:33.9, 38.01N, 142.27E, h41km, 1km,
MW3.7, 6 OFF MIYAGI PREF

ISCN 30 01:18:37.4, 3.9, 97.94N, 142.22E, h72km, 36km, mb3.4/7,
mbmp3.7/9, ML2.9/2, Error ellipse: s-maj=36.4km

ISCN 30 01:18:32.7, 2.9, 38.01N, 142.36E, h0.09, h29km, 19km,
n22, e134/30, mb3.6/7, Near east coast of eastern

Code Station Name Az Phase ID Time Res
JIKH Ishinomakikobu 0.77 293 Op
JIKH JIKH Op

SONM Songino Array 27.89 302 P
0.3nm, 0.4s, baz=116, slow=9.8, SNR=1.7

ZALV Zalewoski Beam 41.82 312 P
0.7nm, 0.3s, baz=82, slow=9.0, SNR=2.4

ILAR Eielson Array 48.27 33 P
0.4nm, 0.7s, baz=271, slow=8.8, SNR=4.1

BVAR Borovoye Array 50.48 312 P
0.4nm, 0.5s, baz=85, slow=6.5, SNR=1.4

FINES FINES Array B 68.30 332 P
0.9nm, 0.7s, baz=42, slow=8.8, SNR=4.6

ISCN 30 01:42:16.4-1.2, 19.87N, 121.76E, h0km, mb3.6/7,
mbmp3.6/8, ML2.9/1, MS2.8/2, Error ellipse: s-maj=40.8km

ISCN 30 01:42:17.8-1.1, 19.8N, 121.7E, h10km, n16,
e126/8, mb3.5/7, Philippine Islands region

Code Station Name Az Phase ID Time Res
JOW Nigunigami 9.21 40 Pn
0.3nm, 0.3s, baz=233, slow=20, SNR=1.6

DAV Davaco City (W) 13.24 163 LR
0.3nm, 0.3s, baz=19, slow=4.1, SNR=4.1

CMAR Chiang Mai Arr 21.54 270 LR
0.2nm, 0.3s, baz=205, slow=36

ASAR Ice Springs 44.85 164 P
0.7nm, 0.3s, baz=344, slow=1.7, SNR=6.7

KURBS Kurchatov Arra 45.78 323 P
0.2nm, 0.4s, baz=120, slow=8.1, SNR=3.5

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AOPR Arecibo Observ, UOPR Utuado, UPR, P, etc.

SCB 30 01:57:07.6, 1.2, 22.02S, 67.38W, h180km, 11km, ML3.3/3,
MW3.2, Error ellipse: s-maj=7.3km s-min=3.3km az=0.0

GUC 30 01:57:08.0, 0.7, 21.95S, 67.50W, h20km, 9km, ML3.5
ISCN 30 01:57:06.4, 1.8, 21.96S, 67.41W, 0.06,
h200km, 15km, n30, e138/49, 8C, Chile-Bolivia border

Code Station Name Az Phase ID Time Res
PB09 IPOC Station P 1.71 275 Op
PB09 IPOC Station P 1.71 275 Pn

comp=N, 217nm, 0.4s
PB01 IPOC Station P 2.14 295 Pn
PB01 IPOC Station P 2.14 295 Pn

comp=N, 204nm, 0.4s
PB15 IPOC Station P 2.28 237 Pn
PB15 IPOC Station P 2.28 237 Pn

comp=N, 284nm, 0.4s
PB02 IPOC Station P 2.40 285 Pn
PB02 IPOC Station P 2.40 285 Pn

comp=E, 153nm, 0.3s
PB08 IPOC Station P 2.44 318 Pn
PB08 IPOC Station P 2.44 318 Pn

comp=E, 43nm, 0.2s
PATCX Punta Patache 2.80 293 Pn
PATCX Punta Patache 2.80 293 Pn

comp=E, 130nm, 0.2s
GO01 Chusmiza 2.83 323 Pn
GO01 Chusmiza 2.83 323 Pn

comp=E, 77nm, 0.7s
TA01 Diego Aracena 2.94 298 Pn
TA01 Diego Aracena 2.94 298 Pn

comp=E, 107nm, 0.3s
PB11 IPOC Station P 3.03 316 Pn
PB11 IPOC Station P 3.03 316 Pn

comp=E, 118nm, 0.1s
PB05 IPOC Station P 2.74 250 Pn
PB05 IPOC Station P 2.74 250 Pn

comp=E, 130nm, 0.2s
GO01 Chusmiza 2.83 323 Pn
GO01 Chusmiza 2.83 323 Pn

comp=E, 118nm, 0.1s
PB05 IPOC Station P 2.74 250 Pn
PB05 IPOC Station P 2.74 250 Pn

comp=E, 130nm, 0.2s
GO01 Chusmiza 2.83 323 Pn
GO01 Chusmiza 2.83 323 Pn

comp=E, 118nm, 0.1s
PB05 IPOC Station P 2.74 250 Pn
PB05 IPOC Station P 2.74 250 Pn

comp=E, 130nm, 0.2s
GO01 Chusmiza 2.83 323 Pn
GO01 Chusmiza 2.83 323 Pn

comp=E, 118nm, 0.1s
PB05 IPOC Station P 2.74 250 Pn
PB05 IPOC Station P 2.74 250 Pn





Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like LALI Alcaldia de L, JAYA Jayaque - finc, PANCS Alcaldia de, ITCA Escuela Especi, MAGS Ministerio de, LOMA Loma Larga, PMON Piamonte, SNET Serv Nac Est T, UTEC Universidad Te, BOQS Boqueron, UDBS Universidad Do, AEIL Aeropuerto Ilo, CEVE Cerro Verde, LFLU La Fuente, SBLAS San Blas, QUEZ Alcaldia de Qu, LBRS Las Brisas, RTR El Retiro, SNVI San Vicente, NUBE Las Nubes, UESV Universidad de, UNIC Universidad Ca, SCLA Alcaldia de Sa, SLOZ Alcaldia de Sa, COEB Comit de Eme, TECA Tecapa, POSSES Presa 15 de Se, LLGN La Laguna, PACA Pacayal, LCY Lacayo.

Table with columns: RANC, YSM, BLLM, MTO3, MTO3, CNRM, LCND, CNCH, PCG, AMPH, FUG, MRL, SULM, TGUH, CRIN, PKGN, STG3, HERN, POLN, CNGA, CNGA, CNGN, CNGN, LEVN, MOMN, MOMN, COPN, MOMP, BRAN, R4DEC, RB213, CCIG, ACON, HZTE, ORTG, ESNP, JTS, JTS, JTS, SOCE, JACO, LCR2, CMIG, CMIG, PEZE, SRBA, TEIG, TEIG, CDITO, BRUJ, FLIG, SOR, MTJD, APAC, UREC, ZARC, JAMC, PTBC, HBVL, POPC, OCAC, ORTC, ROSC, PRAC, BARC, 656A, PAMC, ROSC, FLOC, HNDO, 352A, SDV, SDV, SDV, 250A, VBMS, 435B, 435B, NATX.

Table with columns: DRIO, 143A, JCT, LRAL, WHXT, FW14, FW13, FW13, OZNA, CCAR, TXAR, TXAR, Y49A, PLPT, PLPT, BAUV, MIAR, UALR, UALR, X37A, X37A, SWET, APMT, JSC, PAULI, FCAR, FCAR, W35A, DKNS, WVT, WVT, TKL, CLNO, CLNO, V53A, U49A, PBMO, T45A, T45A, T47A, MSTX, MGMO, CGM3, U54A, V58A, SIUC, S39A, CCM, CCM, Q44A, L40A, G45A, UJCT, ETMB, L61B, SADO, E43A, D41A, SAML, SAML, PDAR, PDAR, I62A, EYMN, REDW, SNOW, LOHW, TP4W, TP4W, FXWY, IMW, LPAZ, LPAZ, RLMT, LAO, ULM, BOZ, VILB, YBH, FFC, FFC, ED, ED, SCHO, FCC, FCC, MTOS, YKA, YKA, FRB, SFJD, G31M, G31M, RES, RES, RES, INK, INK, H29M, H29M.



30d 6h

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
DAWY	Dawson	56.74	31	P	05 24 59.5 +2.1	
E29M	Blow River	56.88	26	P	05 24 59.0 +0.8	
H29M	Whitstone	56.92	29	P	05 25 00.9 +1.3	
G29M	Pine Creek	56.98	28	P	05 25 00.7 +1.7	
M29M	Somme Creek	57.38	33	P	05 25 03.8 +1.8	
L29M	L29M	57.43	32	P	05 25 04.5 +2.3	
EPYK	Eagle Plains	57.56	28	P	05 25 04.3 +1.2	
K29M	Barlow Dome	57.59	31	P	05 25 04.8 +1.4	
I30M	Mount Dempster	57.87	30	P	05 25 06.4 +1.0	
J30M	Hart River	57.99	30	P	05 25 07.3 +1.1	
H31M	Peel River	58.61	29	P	05 25 11.3 +0.9	
M31M	Drury Creek, Y	59.29	33	P	05 25 16.2 +1.0	
FARO	Faro, Yukon	59.76	33	P	05 25 19.6 +1.2	
ABKAR	Akbulak array	60.49	312	P	05 25 23.4 -0.1	
C36M	Paulatuk	61.59	24	P	05 25 31.0 +0.3	
T35M	Bob Quinn	62.71	38	P	05 25 39.6 +1.2	
YKA	Yellowknife Ar	67.83	29	P	05 26 09.4 -2.0	
ARCES	ARCCESS Array B	67.95	340	P	05 26 12.8 +0.7	
FINES	FINESS Array B	72.50	333	P	05 26 39.8 -0.2	
HFS	Hagfors	77.90	336	P	05 27 11.5 +0.4	
SFJD	Kangerlussuaq	80.28	5 LR	LR	06 02 40.6	
TXAR	Lajitas Array	93.14	52	P	05 28 28.4 +0.3	
LPAZ	La Paz	149.11	65	PKPbc PKPdf	05 34 59.6 +0.8	

TRN 30 05:45:02.5, 10°34N, 62°90W, h19km, MD4.0, Venezuela.  
 FUNV 30 05:45:03.0, 10°35N, 62°80W, h12km, MW3.7  
 ISC 30 05:45:02.1, 1.3, 10°29N, 0°04:62:89W, 0.04, h17km, 9km,  
 n32, c128/53, 3C-1D, Near coast of Venezuela

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
CRUV	Carupano	0.51	319	Op	05 45 18.1 -1.1	
CRUV	Carupano	0.51	319	eS	05 45 18.4 -0.9	
CRUV	Carupano	0.51	319	eP	05 45 11.3 -1.1	
CRUV	Carupano	0.51	319	eS	05 45 18.6 -0.7	
CUMV	Cumana, UDO	1.29	276	iP	05 45 28.1 +1.1	
CUMV	Cumana, UDO	1.42	89	eP	05 45 45.9 +2.0	
TRN	Pointe-a-Pierre	1.49	89	eP	05 45 23.8 +0.2	
TRN	Trinidad (W)	1.51	76	eP	05 45 28.2 -0.2	
TRN	Trinidad	1.51	76	eS	05 45 48.1 -0.5	
PCRV	Puerto La Cruz	1.72	266	eP	05 45 34.4 +1.0	
PCRV	Puerto La Cruz	1.72	266	eS	05 45 55.0 +1.9	
PCRV	Puerto La Cruz	1.72	266	eP	05 45 31.8 +0.4	
TRH	Brigida	1.81	84	eP	05 45 03.4 +0.8	
GRFF	Grenada Fort F	2.09	33	eP	05 45 36.5 +0.1	
GRFF	Grenada Fort F	2.09	33	eS	05 46 01.3 -0.7	
GRGR	Grenville	2.20	33	eP	05 45 37.5 -0.5	
GRGR	Grenville	2.20	33	eS	05 46 03.4 -0.5	
GRW	Mount Saint Ca	2.22	33	eP	05 45 58.6 +0.5	
GRW	Mount Saint Ca	2.22	33	eS	05 46 05.5 +0.1	
TPR	Prospect	2.26	67	eP	05 45 40.3 +1.4	
GRHS	Sauteurs	2.28	32	eP	05 45 39.5 +0.4	
GRHS	Sauteurs	2.28	32	eS	05 46 07.0 +0.1	
GRSS	Sisters	2.36	32	eP	05 45 41.0 +0.8	
GRSS	Sisters	2.36	32	eS	05 46 08.9 +0.2	
GCMP	Grenada, Carri	2.62	33	eP	05 45 44.3 +0.6	
GCMP	Grenada, Carri	2.62	33	eS	05 46 14.2 -0.9	
SVOC	Richmond Hill,	3.29	30	eP	05 45 53.4 +0.5	
SVOC	Richmond Hill,	3.29	30	eS	05 46 31.8 +0.2	
SVT	Saint Vincent	3.29	29	eP	05 45 53.4 +0.4	
SVT	Saint Vincent	3.29	29	eS	05 46 11.3 +0.1	
SVB	Belmont	3.37	28	eP	05 45 54.5 +0.4	
FUNV	FUNVISIS	3.86	273	eP	05 46 01.8 +0.9	
TACV	Tcata	4.07	268	eP	05 46 05.0 +1.2	
TACV	Tcata	4.07	268	eS	05 46 51.2 +0.1	
SLBI	Saint Lucia, B	4.16	27	eP	05 46 08.9 -0.2	
SLBI	Saint Lucia, B	4.16	27	eS	05 46 05.9 -0.2	
CACV	CAICARA DEL OR	4.50	233	eP	05 46 06.2 -3.5	
CACV	CAICARA DEL OR	4.50	233	eS	05 46 52.6 -9.2	
BIM	Bigot	4.56	23	eP	05 46 11.3 +0.8	
BIM	Bigot	4.56	23	eS	05 47 01.3 -2.0	
MPOM	Morme Pois Mar	4.58	25	eP	05 46 11.9 +1.1	
LUEV	Luepa	4.64	162	eP	05 46 11.6 0.0	
LUEV	Luepa	4.64	162	eS	05 47 02.8 -2.5	
BENV	Beln	4.64	266	eP	05 46 13.1 +1.4	
BENV	Beln	4.64	266	eS	05 47 04.4 -1.0	
TURV	Turiamo	4.87	276	eP	05 46 15.6 +0.9	
TURV	Turiamo	4.87	276	eS	05 47 08.9 +2.1	
BAUV	Ei Baul	5.25	256	eP	05 46 21.4 +1.5	
BAUV	Ei Baul	5.25	256	eS	05 47 18.6 -1.6	
BAUV	Ei Baul	5.25	256	eP	05 46 21.7 +1.8	
BAUV	Ei Baul	5.25	256	eS	05 47 19.4 -0.7	
CBE	Ff. Capester	5.88	12	eP	05 46 29.4 +0.8	
AMBD	Bethesda, Anti	6.81	9	eP	05 46 41.3 0.0	
SOCV	Socops	8.11	256	eP	05 46 59.6 +0.4	
SOCV	Socops	8.11	256	eS	05 48 25.6 -5.0	

NSSP 30 05:49:57.8, 38°45N, 45°47E, h10km, Ms3.7  
 TEH 30 05:49:58.6, 38°41N, 45°40E, h11km, ML3.4  
 AZER 30 05:49:60.0, 38°55N, 45°48E, h5km, ml3.4  
 ISC 30 05:49:58.8, 1.2, 38°48N, 0°03:45:46E, 0.03, h1km, 11km,  
 n49, c18/85, 1C-1D, Iran-Armenia-Azerbaijan border  
 region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
ISHB	Shabestar	0.23	148	Op	05 50 03.1 -0.2	
IMRD	Marand	0.30	39	Pg	05 50 06.8 -0.3	
IMRD	Marand	0.30	39	eS	05 50 12.4 -0.2	
ITBZ	Azakhshahr	0.59	115	Pg	05 50 09.9 -0.3	
ORD	Ordubad	0.61	43	P	05 50 12.5 +0.1	
ORD	Ordubad	0.61	43	Sb	05 50 22.2 +0.7	
NAX	Nakhchivan	0.69	2	P	05 50 14.2 +0.5	
NAX	Nakhchivan	0.69	2	Sb	05 50 24.9 +1.1	
IАЗR	Azakhshahr	0.90	153	Pg	05 50 15.3 +0.8	
SBZ	Shahbuz	0.92	4	P	05 50 18.0 -0.9	
SBZ	Shahbuz	0.92	4	Sb	05 50 31.8 -1.1	
MAKU	Maku	1.06	325	Pg	05 50 18.9 -0.3	
IHRH	Heris	1.25	97	Pg	05 50 23.1 -0.6	
IHRH	Heris	1.25	97	P	05 50 24.2 -0.3	
IHRH	Heris	1.32	339	P	05 50 44.4 +1.5	
NRKZ	NAREK	1.64	338	eP	05 50 29.4 -0.5	
NRKZ	NAREK	1.64	338	eS	05 50 52.3 +0.8	
MAHB	Mahabud	1.72	173	Pg	05 50 29.3 -0.7	
QRD	Goradiz	1.75	55	Pn	05 50 32.5 +0.1	
QRD	Goradiz	1.75	55	Sb	05 50 57.9 +2.5	
GNI	Garni	1.75	342	iP	05 50 32.1 -0.4	
GNI	Garni	1.75	342	iS	05 50 56.7 +1.5	
IHSH	Hashtud	1.85	129	Pn	05 50 31.9 0.0	
ISRB	Sarab	1.86	110	Pn	05 50 33.3 -0.5	
KAPZ	Kaputan	1.93	342	Pg	05 50 35.2 -0.6	
KAPZ	Kaputan	1.93	342	P	05 51 03.1 +2.2	
METS	Metsamor	1.98	328	eP	05 50 34.2 -1.4	
METS	Metsamor	1.98	328	eS	05 51 01.2 -1.2	
BLQ	Beylaqan	2.05	52	Pn	05 50 38.7 +0.6	
BLQ	Beylaqan	2.05	52	Sb	05 51 04.2 -0.4	
VNZN	Vanand	2.06	322	eP	05 50 37.8 -0.5	

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Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
VNZN	Vanand	2.06	322	eS	05 51 07.2 +2.2	
AGDM	Aghdam	2.07	38	Pn	05 50 38.0 -0.4	
AGDM	Aghdam	2.07	38	Sb	05 51 06.5 +1.3	
ARUZ	Aruch	2.09	330	eP	05 50 38.5 -0.4	
ARUZ	Aruch	2.09	330	eS	05 50 38.7 +2.8	
AMBR	Amberd	2.12	334	eP	05 50 39.0 +1.1	
AMBR	Amberd	2.12	334	eS	05 51 05.9 -1.0	
YRD	Yardimli	2.22	78	Pn	05 50 40.0 +0.1	
YRD	Yardimli	2.22	78	Sb	05 50 40.3 +0.2	
BRDA	Brd	2.22	36	Pn	05 51 11.5 +0.1	
BRDA	Brd	2.22	36	Sb	05 51 11.7 +2.5	
GDB	GEDABAY	2.25	6	Pn	05 51 12.7 +0.2	
GDB	GEDABAY	2.25	6	Sb	05 51 17.1 +0.6	
GANJ	Ganja	2.26	17	Pn	05 50 41.6 -0.5	
GANJ	Ganja	2.26	17	Sb	05 51 12.4 +0.9	
Lerik	Lerik	2.26	85	Pn	05 50 41.3 -0.9	
Lerik	Lerik	2.26	85	Sb	05 50 48.9 -0.5	
GLBA	Chilabad	2.41	71	Pn	05 50 43.4 +0.4	
GLBA	Chilabad	2.41	71	Sb	05 51 17.7 +1.4	
ZRD	Zardab	2.49	43	Pn	05 50 42.9 -1.4	
ZRD	Zardab	2.49	43	Sb	05 51 17.8 -1.0	
OZZ	Ozax, Azerbai	2.57	359	Pg	05 50 47.4 -0.7	
OZZ	Ozax, Azerbai	2.57	359	Sb	05 51 21.7 +0.2	
LKRN	Lenkeran, Azer	2.61	84	Pg	05 50 46.6 +0.2	
LKRN	Lenkeran, Azer	2.61	84	Sb	05 51 24.6 +1.9	
ASTR	Astara	2.61	87	Pg	05 50 46.2 -0.3	
ASTR	Astara	2.61	87	Sb	05 51 24.3 +1.5	
STEZ	Stepenevan	2.64	342	eP	05 50 48.9 -0.5	
STEZ	Stepenevan	2.64	342	eS	05 51 24.8 +1.0	
GASI	Astara - Iran	2.66	91	Pn	05 50 43.8 +1.1	
VSHL	Vashlovani	2.84	14	P	05 50 53.5 +0.3	
DGRG	David-gareji	2.96	359	Pg	05 50 55.3 -0.4	
DGRG	David-gareji	2.96	359	Sb	05 51 36.0 +1.9	
DMNI	Dmanisi	3.01	341	S	05 50 55.2 -1.3	
DMNI	Dmanisi	3.01	341	Sg	05 51 35.7 +0.3	
SEKA	Sheki	3.03	26	Pg	05 50 54.3 +0.7	
SEKA	Sheki	3.03	26	Sb	05 51 35.9 -0.4	
IMIL	Ismayilli	3.12	41	Pg	05 50 54.9 -0.3	
IMIL	Ismayilli	3.12	41	Sb	05 51 38.6 -0.5	
TRLG	Triakleti	3.23	342	P	05 51 43.6 +1.2	
TRLG	Triakleti	3.23	342	Sg	05 51 43.4 -0.6	
ZKTA	Zakatala	3.27	15	Sg	05 50 59.9 +0.3	
GBS	Gobustan	3.38	52	Pg	05 51 46.0 -1.5	
GBS	Gobustan	3.38	52	Sb	05 50 57.4 -2.3	
XNQ	Khinaliq	3.39	37			







Table with columns: Code, Station Name, Azimuth, Phase, Time, Res, ISC, H, M, S, ISC. Includes stations like Malin Array B, Malin Array S, Malin Array Si, etc.

HEL 30 10:12:32.8±0.2, 61°52'N-27°03'E, h0km, ML1.0, Explosion, Finland. Table with columns: Code, Station Name, Azimuth, Phase, Time, Res, ISC, H, M, S, ISC.

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res, ISC, H, M, S, ISC. Includes stations like Keuruu, Sumiainen, Pernaja, etc.

UPP 30 10:13:06.7±0.3, 68°08'N-32°81'E, h0km, ML1.6
KOLA 30 10:13:06.7, 68°07'N-33°06'E, h0km, ML2.0, Error ellipse: s-maj=3.9km s-min=3.0km az=80.0, Olenegorsk City, Mines

HEL 30 10:13:04.1±0.3, 68°12'N-33°39'E, h0km, ML1.7, Explosion, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res, ISC, H, M, S, ISC. Includes stations like Lovozero, Apatity Array, Apatity, etc.

IDC 30 10:15:56.8±1.8, 58°7'S-153°50'E, h0km, mb3.7/3, s-mint=3.7/4, ML3.9/1, Error ellipse: s-maj=46.9km s-min=28.7km az=110.0, New Ireland region

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res, ISC, H, M, S, ISC. Includes stations like Keravat, Warramunga Arr, Alice Springs, etc.

IDC 30 10:29:59.5±1.2, 22°26'N-86°60'W, h0km, mb3.4/5, mbmp3.4/6, ML2.3/2, MS2.3/1, Error ellipse: s-maj=73.5km s-min=19.6km az=52.0

CATAC 30 10:30:01.0±0.6, 11°37'N-87°49'W, h26km, 7km, ML3.8
SNET 30 10:30:02.6±0.8, 11°67'N-87°42'W, h14km, 10km, ML3.6
ISC 30 10:30:01.0±1.6, 11°46'N-0°05'87'43'W, 0.04, h28km, 13km, n53, ±194573, mb3.4/5, Near coast of Nicaragua

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res, ISC, H, M, S, ISC. Includes stations like Copaltepe, Ruinas Leon Vi, Cerro Negro, etc.

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res, ISC, H, M, S, ISC. Includes stations like Laguna Tiscapa, La Lomita, Mirador 2 Voic, etc.

MEX 30 10:31:10.2±0.7, 14.76°N-92.86°W, h135km±30km, MD3.7, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res, ISC, H, M, S, ISC. Includes stations like El Paranjio, Pave, Union Juarez, etc.

Table with columns: TGIG, eS, Sn, 10 32 06.4 -4.9. Includes station names like Copaltepe, Ruinas Leon Vi, Cerro Negro, etc.

Table with columns: ESQI, Esquiapas, San Pablo, La Lucha 2, Rio Macho, Rio Macho, etc. Includes station names like Esquiapas, San Pablo, La Lucha 2, Rio Macho, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes station names like Miches, Isla Saona, Aguadilla, PR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes station names like Las Nubes, Alcaldia de Sa, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SC01 Santiago de lo, GPCR Guaynabo City, IGPR InterUniversit, etc.

IDC 30 11:01:22.4+1.1, 36:74N:98:98W, h0km, mbtmp3.3/5, ML3.5/3, Error ellipse: s-maj=14.4km s-min=10.0km

NEIC 30 11:01:24.0+2.0, 36:45N:0:02:98:79W, 0:02, h5km, 4km, Error ellipse: s-maj=3.7km s-min=0.9km az=128.0

TUL 30 11:01:24.4+0.8, 36:46N:0:02:98:80W, 0:03, h5km, 4km, ML3.2, mb\_Lg3.2(NEIC), ML3.3/19(NEIC), Error ellipse: s-maj=3.7km s-min=1.5km az=120.0

ISC 30 11:01:24.2+0.8, 36:47N:0:03:98:80W, 0:03, h12km, 5km, n97, f1500/46, Oklahoma

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like OK038 West end E0370, OK038 25um, 0.2s, OK038 30um, 0.3s, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like FW14 Alvarado, FW16 Waxahatchie, N33A J Bar K, Exete, etc.

IDC 30 11:11:01.5-7.0, 36:64N:70:50E, h257km, 64km, mb3.0/3, mbtmp3.6/8, MS2.4/1, Error ellipse: s-maj=69.5km

NNC 30 11:11:04.2+9.2, 37:45N:69:81E, h0km, mb3.7, mpv3.3, Error ellipse: s-maj=67.9km s-min=65.9km az=29.0

ISC 30 11:11:00.6+1.3, 36:67N:10:70:4E, 0:02, h250km, n11, c0911/14, mb3.2/3, 4C-4D, Hindu Kush region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KK31 Karatay Array, KK31 0.3nm, 0.2s, bazz=176, slow=13, SNR=12, etc.

IDC 30 11:31:19.4+2.5, 36:86N:75:05E, h0km, mb3.6/5, mbtmp3.6/7, ML2.8, MS3.6/2, Error ellipse: s-maj=49.4km s-min=32.2km az=158.0

NNC 30 11:31:23.7+6.3, 37:05N:75:72E, h0km, mb4.0, mpv3.6, Error ellipse: s-maj=49.1km s-min=39.8km az=174.0

ISC 30 11:31:20.5+1.8, 36:6N:0:1:75:8E, 0:1, h35km, n13, c2500/14, mb3.6/5, 4C-5D, Kashmir-Xinjiang border region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like AAK Ala-Archa, TKM2 Tokmak 2, TKM2 6.7nm, 0.8s, etc.

NEIC 30 11:37:19.9+1.5, 19:3N:0:1:68:46W, 0:07, h35km, 2km, ML2.3/18, MD3.3/5(RSPF), Error ellipse: s-maj=23.2km s-min=9.0km az=18.0

RSPR 30 11:37:20.6+2.0, 19:32N:68:45W, h43km, 10km, MD3.3/5, ISC 30 11:37:15.6+2.0, 19:44N:0:2:68:40W, 0:09, h10km, n20, c078/20, 3C-1D, North Atlantic Ocean

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like AGPR Aguadilla, PR, LSP Las Mesas, CRPR Cabo Rojo, etc.

IDC 30 11:37:32.9+1.8, 2:69N:128:18E, h0km, mb3.9/5, s-btmp=20.7km, MS3.4/4, Error ellipse: s-maj=145.0km s-min=20.7km az=68.0, Hainanera

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, JOW Kuyugui Island, ASAR Alice Springs, etc.

JMA 30 11:46:28.6+0.1, 24:3N:0:3:123:8E, 0:4, h18km, 1km, MV0.4/6, NEAR ISHIGAKIJIMA Island, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like IRIF Iriomote-Funau, HATJ Hateruma jima, etc.

TAP 30 11:47:21.5, 24:56N:122:11E, h70km, 1km, ML1.8, 1D, D, Taiwan region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like TWC Suao, bazz=257









30d 13h

Table with 11 columns: ID, Name, Time, Lat, Lon, Az, El, Magnitude, and other parameters. Includes stations like J29N Klondike Camp, O19K Port Alsworth, etc.

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Table with 5 columns: Code, Station Name, Az, El, Res. Includes stations like FFC Flin Flon, LBNH Liston, etc.

HEL 30 13:32:28.9-0.2,68°20'N,33°41'E,h0km,ML1.7,Explosion KOLA 30 13:32:32.6,68°13'N,33°01'E,h0km,ML2.1,Error ellipse: s-maj=4.8km s-min=4.0km az=50.0,Olenevorskiy City, Mines

IDL 30 13:32:33.0-0.2,68°11'N,32°72'E,h0km,mbtmp3.2/3,ML2.0/3,Error ellipse: s-maj=23.6km s-min=13.8km az=63.0

Table with 7 columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like APA0 Apatity Array, LVZ Lovozero, etc.

TAP 30 13:36:50.0,24°58'N,121°77'E,h5km,ML0.7,1D,B, Taiwan

Table with 7 columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like NDS Dongshan, TWC Suao, etc.

JMA 30 13:43:54.4-0.1,24°30'N,123°38'E,h18km,1km, MV3.3/10, NEAR ISHIGAKIJIMA ISLAND, Southwestern Ryukyu Islands

Table with 7 columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like IRIF Iriomote-Funau, HATJ Hateruma jima, etc.

JMA 30 13:43:51.4-0.9,24°25'N,123°79'E,h7km,7km, n13,0F2B/21, Southwestern Ryukyu Islands

Table with 7 columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like IRIF Iriomote-Funau, HATJ Hateruma jima, etc.

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Table with 8 columns: Station Name, Time, Az, El, Res, and other parameters. Includes stations like IRIF Iriomote-Funau, HATJ Hateruma jima, etc.

NNC 30 13:47:39.3-0.5,42°84'N,77°98'E,h0km,mb3.0,mpv3.0, Error ellipse: s-maj=5.0km s-min=1.6km az=174.0

Table with 8 columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like ANVS Anan'yev, SATY Saty, etc.



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KTBS Karatobe, ARXS Arhary, DGS Degeres, etc.

SKO 30 14:25:08.4, 41.94N, 23.17E, h17km, ML1.8
SOF 30 14:25:08.1, 41.94N, 0.01, 23.19E, 0.01, h17km, 2km, MD2.5/7

BEO 30 14:25:10.5, 0.6, 42.01N, 23.12E, h6km, 5km, ML1.7/6
ATH 30 14:25:10.2, 41.85N, 23.11E, h12km, 2km, ML1.7/6, Error ellipse: s-maj=3.1km s-min=1.7km az=171.0

THE 30 14:25:11.0, 41.82N, 23.16E, h7km, 1km, ML1.8/10, Error ellipse: s-maj=1.7km s-min=0.9km az=172.0

ISC 30 14:25:08.4, 0.8, 41.95N, 0.02, 23.15E, 0.02, h13km, 5km, n44, c071/83, 4C-2D, Greece-Bulgaria border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KKB Krupnik, PLNA Plana, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NVR, KNT Kendrikon, SRS Serrai, etc.

ISC 30 14:29:45.0, 2.8, 5.92S, 130.72E, h0km, mb3.4/1, mbtmp3.1/3, ML3.0/2, Error ellipse: s-maj=163.1km s-min=33.7km az=71.0, Banda Sea

WRA Warramunga Arr 14.38 166 Ph Pn 14 33 10.9 +0.8
WRA 0.1nm, 0.3s, baz=349, slow=13, SNR=1.7

ASAR Alice Springs 17.91 170 P Pn 14 33 55.1 -0.6
ASAR 0.2nm, 0.3s, baz=332, slow=22, SNR=6.0

ASAR 0.4nm, 0.9s, baz=345, slow=24, SNR=1.3
0.3nm, 0.9s

MKAR Makanchi Array 67.72 326 P P 14 40 44.4 +0.1
0.2nm, 0.4s, baz=118, slow=6.9, SNR=1.8

GCMT 30 14:42:03.0, 0.1, 49.60S, 0.01, 116.36W, 0.01, h12km, 1km, MW5.1/129, Moment Tensor Solution. s88, c138; s129, c211; Duration: 0 Moment tensor: Scale 1016 Nm; M= -0.40±11; Mw=2.94±13; Mw0=2.54±11; Mw=0.93±30; Mw=5.45±11; Mw1=1.15±28; Best double couple: M=0.28600x1016 NP1=0.102, 0.00000°, 0.81, 0.00000°, 2-11, 0.00000°; NP2=0.194, 0.00000°, 0.79, 0.00000°, 1-1, 171, 0.00000°; Principal axes: T=6.3050, P1g2.0000°, Azm149.0000°; N=0.0370, P1g76.0000°, Azm245.0000°; P=-6.2670, P1g14.0000°, Azm58.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location Triangular moment-rate function Southern East Pacific Rise

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TAP 30 14:47:37.9, 24.86N, 121.99E, h11km, ML1.5, C, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NWLT, EWUT Wuta, YMO1 YMO1, etc.

JMA 30 14:48:09.0, 0.2, 24.33N, 0.3, 123.8E, 0.4, h16km, 1km, MV0.1/6, NEAR ISHIGAKIJIMA Island, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IRIF, HATJ, JKRS, etc.

NEIC 30 14:51:59.7, 1.4, 7.8S, 0.1, 118.42E, 0.05, h193km, 10km, mb4.5/12, Error ellipse: s-maj=16.0km s-min=6.5km az=184.0

DJA 30 14:52:00.4, 0.2, 8.5S, 4.1, 118.8E, h192km, 3km, M4.1/12, mb4.0/12, mB5.2/1, MLV4.1/12, Mw(mB)4.6/1
IDC 30 14:52:02.7, 2.0, 7.79S, 1.18, 79E, h222km, 18km, mb3.7/5, mbtmp4.2/2, Error ellipse: s-maj=37.0km s-min=11.5km az=49.0

ISC 30 14:51:59.9, 0.6, 7.98S, 0.07, 118.45E, 0.05, h200km, n62, c128/67, mb4.4/9, Flores Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PLAI, TWSI, BASI, etc.

SOEI Soe 6.02 107 P Pn 14 53 28.4 +0.9
SOEI Soe 6.02 107 P Pn 14 53 28.2 +0.7

UGM Waganama 7.85 270 P Pn 14 53 50.3 -0.9
211nm, 1.9s, 1.2nm

KPJ Karang Pucung 9.45 273 P Pn 14 54 11.8 -0.3
FITZ Fitzroy Crossi 12.26 148 P Pn 14 54 50.2 +2.2

WRA Warramunga Arr 19.45 129 P P 14 56 12.4 +0.5
WRA 1.8nm, 0.3s, baz=308, slow=9.7, SNR=13

WRA 0.4nm, 0.8s, baz=308, slow=24, SNR=2.4
WRAB Tennant Creek 19.45 129 P Iamb 14 56 12.2 +0.7

WB2 Warramunga Arr 19.46 129 P P 14 56 12.2 +0.5
WR0 Warramunga Arr 19.46 129 P Iamb 14 56 13.9 +0.6

AS31 Alice Springs 21.52 138 P Iamb 14 56 33.9 +0.5
AS31 0.2nm, 0.3s, baz=310, slow=21, SNR=3.4

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like QIS, NWA0, COEN, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SOEI Soe, ZALV Zalesovo Beam, MKAR Makanchi Array, GSI Gunungsitoli, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TNTI Ternate, TNTI Ternate, TNTI Ternate, SGSI Sangihe, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like H11N3 WAKE ISLAND Hy, USA0B Ussuriysk Arra, MDJ Mudanjiang, etc.

IDC 30 16:39:14.0:1.6,2:64N:128:62E,h235km,16km,mb3.6/16, m10mp4.3/18, Error ellipse: s-maj=24.7km s-min=8.6km

NEIC 30 16:39:14.3:1.9,2:70N:0:08:h28:61E:0:08,h235km,7km, mb4.5/69, Error ellipse: s-maj=12.8km s-min=9.6km

DJA 30 16:39:15.0:0.3,3:1N:3\*12:8E',h228km,3km,M4.4/22, mB4.8/7,mb4.4/22,MLV4.8/13,Mw(MB)4.7/7

ISC 30 16:39:15.2:0.3,2:61N:0:04:h28:53E:0:06,h250km,n146, e=1524/147,mb4.4/57,Halmahera

SJA 30 16:47:07.8:0.8,2:3:95S:66:76W,h225km,5km,ML3.8, MW3.7

GUC 30 16:47:10.6:0.6,2:3:94S:67:13W,h240km,6km,ML4.0

ISC 30 16:47:06.5:1.9,2:336S:0:04:66:80W:0.05, h236km,15km,n37,e=18774.5,Sc,Jujuy Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SLA San Lorenzo, YJA Yavi, FSA Cafatey, etc.





30d 18h

Table with columns: Station, Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Error Error, Elevation Error Error, Station, Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Error Error, Elevation Error Error.

2018 APR

Table with columns: Station, Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Error Error, Elevation Error Error.

1900

Table with columns: Station, Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Error Error, Elevation Error Error.

1901

Table with columns for flight codes (e.g., SS LB, SKJI, YHNB), destinations (e.g., Su kabumi, Yeheng), times, and status indicators (P, I, M, S, etc.).

2018 APR

Table with columns for flight codes (e.g., PET, CNSH, PEAOB), destinations (e.g., ChangSha, Petropavlovsk), times, and status indicators (P, M, S, etc.).

30d 18h

Table with columns for flight codes (e.g., HNS, SLVN, GYA), destinations (e.g., Son La, Guiyang), times, and status indicators (P, M, S, etc.).

30d 18h

Table with columns for station name, elevation, frequency, and signal strength. Includes stations like Baotou, Pilot Point, Kuskokwag Cree, etc.

2018 APR

Table with columns for station name, elevation, frequency, and signal strength. Includes stations like Styx River, Niuluk, Tutalina, etc.

1902

Table with columns for station name, elevation, frequency, and signal strength. Includes stations like Roundabout Mou, Susitna Watana, Yreka Blue Hor, etc.



1903

Table with columns: Station Name, Frequency, Power, Direction, etc. Includes stations like Little Hootoon, Deep Springs, Harding Lake, etc.

2018 APR

Table with columns: Station Name, Frequency, Power, Direction, etc. Includes stations like Mohawk Valley, Izeze, Bob O'Ann, etc.

30d 18h

Table with columns: Station Name, Frequency, Power, Direction, etc. Includes stations like comp=Z,1.3nm,0.6s, etc.

30d 18h

Table of astronomical data for 30 days and 18 hours. Columns include MKAR, comp-Z, and various object names like Zalesovo Beam, Black Hills, etc.

2018 APR

Table of astronomical data for 2018 APR. Columns include object names like BOSA, SAML, etc., and various parameters.

1904

Table of astronomical data for 1904. Columns include object names like BDFB, BDFB, etc., and various parameters.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CLM, Collm, SMTH, Paraski, MDVR, Moldovita, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DAVA, Damuels, DAVA, ECH, Echery, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GBOS, GBOB, GBOB, GBOB, etc.

30d 20h

IDC 30 18:56:35.74.5, 6.58S: 130.01E, h159km, 39km, mb3.9/3, mbtmp4.4/6, Error ellipse: s-maj=39.1km s-min=17.4km az=64.0
NEIC 30 18:56:36.6:1.2, 6.51S:0.06:130.01E:0.04, h166km, 8km, mb4.2/10, Error ellipse: s-maj=10.1km s-min=5.0km az=152.0
DJA 30 18:56:36.7:0.2, 7.3S:13.13E, h189km, 6km, M4.4/12, mb4.0/11, mB5.0/5, ML4.6/12, Mw(mb)4.4/5
ISC 30 18:56:37.6:0.6, 6.55S:0.05:130.10E:0.06, h200km, n49, c2558/55, mb4.0/6, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Lists various seismic stations and their recorded data.

IDC 30 19:05:04.2:2.1, 43.36N:105.17W, h0km, mbtmp3.1/3, ML3.0/3, Error ellipse: s-maj=49.5km s-min=10.4km az=154.0
NEIC 30 19:05:04.4:2.0, 43.69N:0.05:105.27W:0.05, h0km, 1km, ML3.2/68, Error ellipse: s-maj=9.4km s-min=5.0km az=324.0
ISC 30 19:05:04.0:1.2, 43.77N:0.06:105.20W:0.07, h0km, n48, c1845/44, Wyoming

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Lists various seismic stations and their recorded data.

2018 APR

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Lists various seismic stations and their recorded data.

IDC 30 19:08:35.6:3.8, 4.37S:150.34E, h43km, 47km, mb3.6/3, mbtmp3.9/4, ML1.7/1, Error ellipse: s-maj=49.5km s-min=11.0km az=148.0, New Britain region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Lists various seismic stations and their recorded data.

IDC 30 19:18:01.4:2.2, 43.54N:105.53W, h0km, mbtmp3.1/3, ML2.9/2, Error ellipse: s-maj=44.6km s-min=9.8km az=151.0
NEIC 30 19:18:01.4:1.4, 43.57N:0.05:105.40W:0.04, h0km, 1km, ML3.4/86, Error ellipse: s-maj=9.3km s-min=4.7km az=349.0
ISC 30 19:18:01.7:0.9, 43.57N:0.04:105.37W:0.04, h0km, n48, c1847/47, Wyoming

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Lists various seismic stations and their recorded data.

1906

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Lists various seismic stations and their recorded data.

IDC 30 19:03:09.1:6.0, 4.2N:122.50E, h0km, mb3.5/3, mbtmp3.5/3, Error ellipse: s-maj=166.2km s-min=27.9km az=63.0
DJA 30 19:03:09.6:0.4, 0.4N:4.12E, h122km, 4km, M3.6/10, mb3.9/3, MLV3.6/10
ISC 30 19:03:09.1:0.9, 0.28N:0.07:122.30E:0.05, h114km, n11, c285/15, mb3.6/3, Minahasa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Lists various seismic stations and their recorded data.

IDC 30 19:12:18.7:4.5, 5.29S:151.39E, h0km, mb3.2/2, mbtmp3.2/2, Error ellipse: s-maj=208.1km s-min=51.3km az=118.0, New Britain region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Lists various seismic stations and their recorded data.

Table with columns: USRK, Ussuriysk Ar., 16.16 340 P, 20 19 21.9 +1.3, etc. Includes stations like USRK, KLR, SONM, SONM, CMAR, ZALV, ZALV, MKAR, WARRAMUNGA ARR, WRA, WRA, KURBB, ASAR, BVAR, ILAR, ARCES, KBZ, FINES, AKASG, HFS, NB2, NOA, NVAR, BRTR.

SCB 30 20:20.1±1.0, 21:46S:66.79W, h217km, 8km, ML3.4/3, MW3.6, Error ellipse: s-maj=5.6km s-min=3.7km az=0.0, Southern Bolivia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, etc. Includes stations like MOCB, PB09, PB01, PB08, GO01, PB02, PB02, PB02, PB15, SOET, AOE, BBOE, LPAZ.

BEO 30 20:21:44.6±0.3, 43:31N:18:24E, h5km, 1km, ML2.4/1, PDG 30 20:21:44.9±0.2, 43:23N:18:18E, h11km, ML2.7/13, Error ellipse: s-maj=0.3km s-min=0.4km az=0.0, ISC 30 20:21:45.0±1.1, 43:27N:18:26E, 0.02, h6km, 9km, n54, c204/85, 7C-6D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, etc. Includes stations like BRY, BRY, UPM, TREB, STON, STON, DBRK, DBRK, NKME, NKME, PLE, PLE, HCY, HCY, RIC, RIC, RUDO, MAKA, MAKA, HAPS, HAPS, KOME, BBL, BBL, BUM, BUM, PDG, PDG, LSTV, LSTV, IVA, IVA, DRME, DRME, PLY, PLY, ULC, ULC, DIVS, DIVS, KJUV, KJUV, KJUV, KJUV, TEKS, TEKS, BLV, BLV, TRUS, TRUS, GRUS, GRUS.

Table with columns: ZIRJ, ZIRJ, ZIRJ, MORI, MORI, MORI, SELS, SELS, FRGS, FRGS, DUGI, DUGI, PLIT, PLIT, WIRC, WIRC, BARS, BARS, BARS, NVLJ, NVLJ, PRVS, PRVS, PLIT, PLIT, ZAPS, ZAPS, ZAPS, SOKA, SOKA, SOKA, OBKA, OBKA, OBKA, ARSA, ARSA, ARSA, CONA, CONA, VYHS, VYHS, VYHS, ABTA, ABTA, ABTA, SOKA, SOKA, OBKA, OBKA, ARSA, ARSA, CONA, CONA, VYHS, VYHS, VYHS, ABTA, ABTA, ABTA.

IDC 30 20:34:34.7±2.5, 52:85N:172:23E, h0km, mb3.2/3, mbtmp3.2/4, ML2.5/1, Error ellipse: s-maj=61.2km s-min=23.2km az=12.0, Near Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, etc. Includes stations like SHEM, SHEM, PETK, ILAR, H1N2, H1N3, H1N1, H1S1, H1S3, H1S2, YKA, PDAR.

IDC 30 20:53:43.1±1.4, 29:22N:69:63E, h0km, mb3.3/8, mbtmp3.4/9, ML3.5/1, MS3.1/2, Error ellipse: s-maj=35.1km s-min=24.6km az=65.0, ISC 30 20:53:44.8±1.4, 29:20N:69:66E, 0.2, h10km, n11, c087/9, mb3.4/7, Pakistan

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, etc. Includes stations like AAK, MKAR, KURBB, BVAR, BRTR, SONM, OBN, ARCES, KSRS, WRA, ASAR.

IDC 30 21:11:58.5±1.0, 21:43N:145:45E, h0km, mb3.8/13, mbtmp3.9/13, MS3.3/8, Error ellipse: s-maj=34.7km s-min=18.7km az=79.0, NEIC 30 21:12:02.6±2.0, 21:45N:145:56E, 0.1, h24km, 5km, mb4.5/20, Error ellipse: s-maj=16.8km s-min=8.5km az=57.0, ISC 30 21:12:04.3±0.6, 21:40N:145:55E, 0.1, h44km, n44, c093/39, mb4.2/22, MS3.3/7, Mariana Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, etc. Includes stations like CJJ, GUMO, JOW, JOW, JOW, JOW, KSRS, ASAJ, USRK, KLR, SONM, SONM, SONM, WBO, WBO, WBO, WRA, CMAR, FITZ, ASAR, ASAR, ASAR, PSA0, PSA0.

Table with columns: STKA, ZALV, ZALV, ZALV, MK31, MK31, MKAR, MKAR, D19K, D19K, B20K, B20K, H21K, H21K, KURBB, D22K, BOOM, C23K, C23K, TOLK, TOLK, D25K, D25K, BVAR, BVAR, R32K, ABKR, YKA, NVAR, KBZ, FIA1, FINES, FINES, FINES, IDC 30 21:14:01.7±2.5, 36:28N:140:161E, h0km, mb3.5/2, mbtmp3.6/3, ML2.8/1, MS3.0/1, Error ellipse: s-maj=46.9km s-min=23.6km az=54.0, NIED 30 21:14:01.2, 36:54N:140:188E, h50km, MW3.5, Moment Tensor Solution, s3 Moment tensor: Scale 10^14 Nm; Mrr:0.55; Mth:0.70; Mtt:0.15; Mtr:1.22; Mtr:1.07; Fault plane solution: N1: 77.000x10^14 NP1: 62.300x10^14; N2: 100.000x10^14; NP2: 82.100x10^14; N3: 1.600x10^14; NP3: 1.400x10^14; JMA 30 21:14:01.2±0.1, 36:54N:140:190E, 0.6, h50km, MV3.6/39, E OFF IBARAKI PREF, JMA Felt J1 at E OFF IBARAKI PREF, ISC 30 21:14:01.6±1.0, 36:56N:140:191E, 0.07, h22km, 5km, n23, c158/24, 10D, Near east coast of eastern Honshu

IDC 30 21:14:01.7±2.5, 36:28N:140:161E, h0km, mb3.5/2, mbtmp3.6/3, ML2.8/1, MS3.0/1, Error ellipse: s-maj=46.9km s-min=23.6km az=54.0, NIED 30 21:14:01.2, 36:54N:140:188E, h50km, MW3.5, Moment Tensor Solution, s3 Moment tensor: Scale 10^14 Nm; Mrr:0.55; Mth:0.70; Mtt:0.15; Mtr:1.22; Mtr:1.07; Fault plane solution: N1: 77.000x10^14 NP1: 62.300x10^14; N2: 100.000x10^14; NP2: 82.100x10^14; N3: 1.600x10^14; NP3: 1.400x10^14; JMA 30 21:14:01.2±0.1, 36:54N:140:190E, 0.6, h50km, MV3.6/39, E OFF IBARAKI PREF, JMA Felt J1 at E OFF IBARAKI PREF, ISC 30 21:14:01.6±1.0, 36:56N:140:191E, 0.07, h22km, 5km, n23, c158/24, 10D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, etc. Includes stations like JHO, JHO, JHYU, JHYU, ONAJ, ONAJ, JYT, JYT, JFT, JFT, JOK, JOK, JOTO, JOTO, JAG, JAG, JMM, JMM, JKT, JKT, JKT, JKT, MJAR, MJAR, MJAR, MJAR, JHJ, JHJ, JHJ, H1N2, H1N1, H1N3, H1S1, H1S3, H1S2, MKAR, ILAR, WRA.

TEH 30 22:13:35.9, 34:87N:45:84E, h6km, 44km, ML3.9, ISN 30 22:13:37.8±0.9, 34:90N:45:82E, h20km, 5km, ML4.1, IDC 30 22:13:41.0±3.7, 34:91N:45:66E, h35km, 29km, mb3.5/8, mbtmp3.6/3, ML3.1/8, MS3.1/1, Error ellipse: s-maj=27.2km s-min=16.1km az=144.0, ISC 30 22:13:37.8±1.0, 34:82N:45:36E, 0.03, h19km, 3km, n92, c182/96, mb3.7/8, Iran-Iraq border region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, etc. Includes stations like KGS1, KGS1, IDHR, IDHR, IGHG, IGHG, ILIN, ILIN, KCHF, KCHF, ILBA, ILBA, SDS1, SDS1, IKRK, IKRK, IBZA, IBZA, IBDR, IBDR.

30d 22h

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MAHB Mahabhad, BHD Baghdad, IKFM Kafar-mosalman, etc.

2018 APR

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like IKRK comp=E,5um,0.7s, IBZA Bozab, IBDR Badra, etc.

1908

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SOHO SOHO, UMZA Um Al Zomool, BSY Bisya, etc.

TEH 30 22:14:49.8, 34°86'N, 45°82'E, h8km, 56km, ML4.0
IDC 30 22:14:50.1, 1.4, 35°13'N, 45°58'E, h0km, mb3.6/12,
mbmp4.0/18, ML3.4/6, MS2.9/6, Error ellipse:
s-maj=30.6km s-min=16.7km az=153.0

IDC 30 22:36:06.9, 0.6, 31°98'S, 57°46'E, h0km, mb4.1/12,
mbmp4.1/13, ML4.0/1, MS3.5/13, Error ellipse:
s-maj=23.8km s-min=18.6km az=69.0

NEIC 30 22:36:08.6, 1.5, 32°05'O, 1x57°3E, 0.2, h10km, 1km,
mb4.4/16, Error ellipse: s-maj=24.2km s-min=18.5km
az=235.0

ISC 30 22:36:08.4, 0.5, 32°05'O, 1x57°3E, 0.1, h11km, n60,
<076/39, mb4.3/16, MS3.5/13, Southwest Indian Ridge

Code Station Name Azimuth Azimuth Error Phase ID Time Res ISC
FOMA Nahampoona Res 11.47 305 Op ISC h m s ISC

VOI Vohitsoka 13.75 314 Pn Pn 22 29 51.2 -1.0
H04N2 CROZ ISLANDS 14.78 195 T T 22 54 55.3

H04N1 CROZET ISLANDS 14.78 195 T T 22 54 55.4
H04N3 CROZET ISLANDS 14.79 195 T T 22 54 55.3

ABPO Ambohimpanon 15.80 322 Pn Pn 22 39 50.5 -0.6
OPO Ambohidratompo 16.20 323 Pn Pn 22 39 56.0 -0.2

H08S1 Diego Garcia H 28.04 33 T T 23 11 24.5
H08S2 Diego Garcia H 28.05 33 T T 23 11 16.7

SUR Sutherland 30.81 259 LR LR 22 52 12.1
LSZ Lusaka 31.32 295 LR LR 22 53 48.9

TSUM Tsumbe 37.83 200 LR LR 22 57 17.9
MBAR Mbarara 40.07 316 LR LR 22 58 47.6

H01W2 Cape Leeuwin H 46.95 110 T T 23 34 41.1
H01W3 Cape Leeuwin H 46.95 110 T T 23 34 29.3

H01W1 Cape Leeuwin H 46.97 110 T T 23 34 35.2
H01W2 Narrogin (SR0) 49.94 108 P P 22 45 01.5 -1.0

SNAZ Sanae 50.66 201 P P 22 45 07.7 +0.4
SNAZ Sanae 50.66 201 P P 22 45 07.7 +0.4

QSPA South Pole Qui 58.17 180 P P 22 46 03.2 +1.0
QSPA South Pole Qui 58.17 180 P P 22 46 07.9

QSPA South Pole Qui 58.17 180 P P 22 46 03.2 +1.0
VANDA Vanda 62.08 166 LR LR 23 10 30.3

FITZ Fitzroy Cross 62.92 95 P P 22 46 33.4 +1.0
SBA Scott Base 62.90 167 P P 22 46 32.8 -1.3

CMR1 Chiang Mai Arr 64.09 44 P P 22 46 43.5 +0.8
CMAR Chiang Mai Arr 64.09 44 P P 22 46 42.9 +0.2

EIL Elat 64.91 339 LR LR 23 10 12.2
ASAR Alice Springs 66.96 104 P P 22 47 01.2 -0.3

ASAR Alice Springs 66.96 104 P P 22 47 00.3 -1.2
ASAR Alice Springs 66.96 104 P P 22 47 00.3 -1.2

MMAI Mount Meron Arr 67.89 104 P P 22 47 00.8 -0.7
MMAI Mount Meron Arr 67.89 104 P P 22 47 08.2 +1.2

WRA Warramunga Arr 69.00 101 P P 22 47 13.9 -0.4
WB2 Warramunga Arr 69.01 101 P P 22 47 14.0 -0.4

TOAO Torodi Arr 69.63 301 P P 22 47 18.8 +0.7
TORO Torodi Arr 69.63 301 P P 22 47 21.1

Table with columns: IDHR, Dhrash, 0.47 103 Pg, Pg, 22 41 24.5 0.0, etc.

IDC 30 22:55:38.3, 3.9, 3.12S; 100.83E, h0km, mb3.9/5, mbtm3.9/5, MS3.3/2, Error ellipse: s-maj=169.1km

NEIC 30 22:55:43.9, 1.9, 3.21S; 0.09; 100.76E; 0.05, h33km, 9km, mb4.2/14, Error ellipse: s-maj=13.8km s-min=7.0km

DJA 30 22:55:46.1, 0.4, 3.3S; 101.1E, h33km, 6km, M4.1/12, mb4.0/4, MLV4.2/12

ISC 30 22:55:45.6, 0.7, 2.97S; 0.07; 101.03E; 0.05, h46km, n47, a130/40, mb4.2/11, Southern Sumatra

Main table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC

RSNC 30 23:04:56.8, 0.0, 9.1N; 3.7W, h56km, 6km, M2.4, ML2.4, MLV3.2

FUNV 30 23:04:56.6, 8.82N; 71.20W, h5km, MW3.2

ISC 30 23:04:53.3, 1.1, 8.97N; 0.03; 71.09W; 0.02, h17km, 10km, n21, c1963/37, Venezuela

Main table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC

ASIES 30 23:10:09.7, 22.38N; 121.01E, h12km, ML3.7, Mw3.5,

Moment Tensor Solution. Moment tensor: Scale 10^21 Nm; M1: 1.56; M2: 1.41; M3: 0.15; M4: 1.67; M5: 0.63; M6: 0.14;

Fault plane solution: M2.3358x1021 NP1: 0.260, 14000, 868, 37000, -79, 90000. NP2: 54, 35000, 823, 77000, -1, -113, 86000. Principal axes: T Plg22.7350, Azm342.4170; N Plg9.3830, Azm76.3870; P Plg65.2000, Azm187.3420;

TAP 30 23:10:09.7, 22.38N; 121.01E, h12km, ML3.7, 8C-4D, B, Taiwan region

Main table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC

Main table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC

IDC 30 23:23:33.8; 2.1, 15.84S; 75.60W, h0km, mb3.8/2, mbtm3.9/5, ML3.7/3, MS2.9/6, Error ellipse: s-maj=53.6km s-min=16.9km az=54.0, Near coast of Peru

Main table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC

ISK 30 23:27:20.6, 35.88N; 26.95E, h8km, ML2.7/14
ATH 30 23:27:21.1, 35.93N; 27.02E, h6km, 2km, ML2.9/10, Error ellipse: s-maj=2.5km s-min=0.7km az=95.0
THE 30 23:27:21.4, 35.88N; 27.05E, h6km, 1km, ML2.7/8, Error ellipse: s-maj=1.8km s-min=0.5km az=115.0
GII 30 23:27:21.4, 0.6, 35.663N; 0.006; 26.912E; 0.002, h40km, Mw3.0, confirmed
AFAD 30 23:27:23.1, 0.35; 94N; 27.25E, h13km, 2km, ML2.6
ISC 30 23:27:20.8; 1.0, 35.88N; 0.02; 27.02E; 0.03, h17km, 4km,

h91, r:137/118, Dodecanese Islands				
Code	Station Name	Δ° AZ°	Phase ID	Time Res
				h m s ISC
KARP	Karpathos	0.35 160	Pg	23 27 28.3 +0.2
KARP	Karpathos	0.35 160	Sg	23 27 34.1 +1.0
KARP	Karpathos	0.35 160	Sg	23 27 28.2 +0.2
KARP	Karpathos	0.35 160	S	23 27 33.9 +0.8
KARP	Karpathos	0.35 160	P	23 27 28.3 +0.2
KARP	Karpathos	0.35 160	S	23 27 33.9 +0.8
KARP	comp=N,5647µm,0.2s		AML	23 27 35.8
KARP	comp=N,5677µm,0.2s		AML	23 27 35.9
NISR	Nisiros	0.74 7	P	23 27 36.0 +0.8
NISR	Nisiros	0.74 7	S	23 27 46.8 +1.8
NISR	comp=E,2µm,0.3s		AML	23 27 34.9 -0.4
NISR	Nisiros	0.74 7	Pg	23 27 34.9 -0.4
NISR	Nisiros	0.74 7	S	23 27 43.5 -1.6
NISR	Nisiros	0.74 7	AML	23 27 49.0
NISR	comp=N,2554µm,0.4s		AML	23 27 53.7
NISR	comp=E,4179µm,0.3s		AML	23 27 53.7
YAZI	Mula-Datşa	0.88 24	P	23 27 35.9 -2.0
YAZI	Mula-Datşa	0.88 24	Sg	23 27 48.3 -1.2
ARG	Arkhangelos	0.96 69	P	23 27 39.3 -0.1
ARG	Arkhangelos	0.96 69	S	23 27 52.4 +0.3
ARG	comp=E,1µm,0.3s		AML	23 27 39.2 -0.3
ARG	Arkhangelos	0.96 69	Pg	23 27 39.2 -0.3
ARG	Arkhangelos	0.96 69	S	23 27 51.1 -1.0
ARG	Arkhangelos	0.96 69	AML	23 27 54.0
ARG	comp=N,1653µm,0.5s		AML	23 27 55.3
ARG	comp=E,1986µm,0.2s		AML	23 27 55.3
DAT	Dataca	0.96 28	Pg	23 27 40.1 +1.0
DAT	Dataca	0.96 28	P	23 27 49.3 -0.2
DAT	Dataca	0.96 28	S	23 27 52.9 +1.3
DAT	Dataca	0.96 28	P	23 27 40.0 +0.4
DAT	Dataca	0.96 28	Sg	23 27 51.2 -1.0
DAT	Dataca	0.96 28	AML	23 27 55.0
DAT	comp=E,229nm,0.2s		i AML	23 27 55.0
DAT	comp=E,302nm,0.3s		i AML	23 27 57.0
ZKR	Zakros	1.00 221	Pg	23 27 39.6 -0.6
ZKR	Zakros	1.00 221	Sg	23 27 53.4 +0.1
ZKR	Zakros	1.00 221	P	23 27 40.5 0.0
ZKR	Zakros	1.00 221	S	23 27 54.7 +2.2
ZKR	comp=E,275nm,0.3s		AML	23 27 40.2 0.0
ZKR	Zakros	1.00 221	P	23 27 40.2 0.0
ZKR	Zakros	1.00 221	S	23 27 55.1 +2.6
ZKR	Zakros	1.00 221	AML	23 27 56.5
ZKR	comp=N,377µm,0.4s		AML	23 27 58.9
ZKR	comp=E,721µm,0.3s		AML	23 27 58.9
KLNA	Kalymnos	1.08 358	P	23 27 40.4 -1.3
KLNA	Kalymnos	1.08 358	Sg	23 27 54.9 -0.9
BODT	Bodrum	1.21 11	Pn	23 27 44.3 +1.1
BODT	Bodrum	1.21 11	P	23 27 42.6 -0.6
BODT	Bodrum	1.21 11	S	23 27 59.6 -0.3
BODT	Bodrum	1.21 11	Sg	23 27 59.6 -0.3
BDRM	Kayabasi	1.24 16	P	23 27 43.8 +0.1
KAV	Yalikavak-Bodr	1.25 10	Pn	23 27 45.2 +1.5
TURN	Turunc	1.34 47	Pn	23 27 46.5 +1.1
TURN	Turunc	1.34 47	P	23 27 45.1 +0.5
TURN	Turunc	1.34 47	S	23 28 01.2 -1.0
TURN	Turunc	1.34 47	AML	23 28 09.0
TURN	comp=E,132nm,0.3s		AML	23 28 09.0
THR8	Santorini-Mono	1.35 294	P	23 27 45.2 +0.4
THR8	Santorini-Mono	1.35 294	Pn	23 27 45.3 +0.5
FRMA	Ierapetra Chan	1.35 231	P	23 27 45.2 +0.3
FRMA	Ierapetra Chan	1.35 231	S	23 28 03.0 +0.3
FRMA	comp=E,160nm,0.4s		AML	23 27 45.4 +0.5
FRMA	Ierapetra Chan	1.35 231	Pn	23 27 45.4 +0.5
FRMA	Ierapetra Chan	1.35 231	S	23 28 02.9 +0.2
FRMA	Ierapetra Chan	1.35 231	AML	23 28 06.4
FRMA	comp=E,907µm,0.4s		AML	23 28 10.0
FRMA	comp=N,891µm,0.4s		AML	23 28 10.0
SFIR	Foira Santorin	1.40 293	P	23 27 45.9 +0.4
THR6	Thira Island,	1.40 291	P	23 27 46.1 +0.7
THR6	Thira Island,	1.40 291	Pn	23 27 45.8 +0.4
THR2	Thira Island,	1.40 294	P	23 27 46.0 +0.5
THR2	Thira Island,	1.40 294	P	23 27 46.0 +0.5
THR3	Thira Island,	1.41 293	P	23 27 46.1 +0.4
THR3	Thira Island,	1.41 293	Pn	23 27 46.0 +0.3
SNT5	Nea Kammeni, S	1.41 292	P	23 27 46.0 +0.3
SNT5	Nea Kammeni, S	1.41 292	S	23 28 04.7 +0.8
SNT5	Nea Kammeni, S	1.41 292	AML	23 28 10.8
SNT5	comp=N,616µm,0.3s		AML	23 28 11.6
SNT5	comp=E,1966µm,0.5s		AML	23 28 11.6
THR9	Santorini-Faro	1.43 290	P	23 27 46.1 +0.2
THR9	Santorini-Faro	1.43 290	Pn	23 27 46.5 +0.6
CMBO	Columbo, Santo	1.43 295	P	23 27 46.3 +0.4
CMBO	Columbo, Santo	1.43 295	S	23 28 06.9 +2.0
CMBO	comp=E,1µm,0.6s		AML	23 27 45.9 0.0
CMBO	Columbo, Santo	1.43 295	Pn	23 27 45.9 0.0
CMBO	Columbo, Santo	1.43 295	S	23 28 05.0 +0.6
CMBO	Columbo, Santo	1.43 295	AML	23 28 10.2
CMBO	comp=N,2850µm,0.6s		AML	23 28 11.1
CMBO	comp=E,2938µm,0.5s		AML	23 28 11.1
THR5	Thira Island,	1.46 292	P	23 27 47.2 +0.9
MLSB	Milas	1.54 23	Pn	23 27 49.6 +0.7
DDIM	Aydin, Didim	1.59 6	P	23 27 52.0 +0.6
KSTL	Kastelli Herak	1.69 251	P	23 27 49.4 0.0
KSTL	Kastelli Herak	1.69 251	S	23 28 08.9 -1.7
KSTL	comp=E,68nm,0.5s		AML	23 27 48.8 -0.6
KSTL	Kastelli Herak	1.69 251	P	23 27 48.8 -0.6
KSTL	Kastelli Herak	1.69 251	S	23 28 08.7 -1.9
KSTL	Kastelli Herak	1.69 251	AML	23 28 12.1
KSTL	comp=N,748µm,0.5s		AML	23 28 18.5
KSTL	comp=E,301µm,0.5s		AML	23 28 18.5
APE	Apeiranthos	1.69 315	Pn	23 27 49.8 +0.3
APE	Apeiranthos	1.69 315	P	23 27 49.6 0.0
APE	Apeiranthos	1.69 315	S	23 28 11.0 +0.2
APE	Apeiranthos	1.69 315	AML	23 28 11.6
APE	comp=E,129µm,0.3s		AML	23 28 13.6
APE	comp=N,165µm,0.2s		AML	23 28 13.6
APE	Apeiranthos	1.69 315	P	23 27 49.7 +0.1
GCAM	G?zelcami?	1.83 5	Pn	23 27 33.2 +1.8
GCAM	G?zelcami?	1.83 5	P	23 27 56.6 +0.7
IDI	Anoyia	1.83 252	Pn	23 27 52.1 +0.6
IDI	Anoyia	1.83 252	P	23 27 51.7 +0.2
IDI	Anoyia	1.83 252	S	23 28 16.1 +1.8
IDI	comp=N,148nm,0.5s		AML	23 27 52.1 +0.6
IDI	Anoyia	1.83 252	P	23 27 52.1 +0.6
IDI	Anoyia	1.83 252	S	23 28 15.3 +1.0
IDI	Anoyia	1.83 252	AML	23 28 24.5
IDI	comp=E,356µm,0.5s		AML	23 28 26.4
IDI	comp=N,356µm,0.4s		AML	23 28 26.4
FETY	Fethiye	1.83 65	P	23 27 55.1 +1.3
SMG	Samos	1.83 356	P	23 27 51.4 -0.1
SMG	Samos	1.83 356	Pn	23 27 51.3 -0.2
SMG	Samos	1.83 356	P	23 27 51.3 -0.2
SABU	Mula-Dalaman	1.84 58	P	23 27 54.2 +0.3
IZZE	Mula-Seydike	1.87 72	P	23 27 52.0 +0.7
DNZT	Denizli-Tavas-	2.14 49	P	23 27 58.6 +2.9
DGB	zmir	2.17 357	P	23 27 55.7 -0.4
ESEN	Aydin-Nazilli	2.20 29	P	23 27 57.2 +0.7
TAVA	DENIZLI Tavas	2.20 43	P	23 27 59.1 +2.5
TAVA	DENIZLI Tavas	2.20 43	S	23 28 26.7 +3.2
CAEL	Denizli, Camel	2.23 55	P	23 28 00.8 0.0
KNIK	Mula-Seydike	2.28 64	P	23 27 60.0 +2.3
IZMR	zmir-demi	2.38 18	P	23 28 01.9 +3.0
DNIZ	Denizli-Tavas-	2.38 42	P	23 28 01.8 +2.6
URLA	Izmir	2.50 352	Pn	23 28 02.5 +1.8
ELCB	Balcova	2.50 0	Pn	23 28 02.8 +2.1
IMMV	Iera Moni Meta	2.51 261	Pn	23 28 01.7 +1.0
IMMV	Iera Moni Meta	2.51 261	P	23 28 02.1 +1.4
IMMV	Iera Moni Meta	2.51 261	P	23 28 01.9 +1.2
KIRA	zmir-Kiraz	2.57 25	P	23 28 05.0 +3.3
GVD	Gavdos	2.61 247	P	23 28 04.7 +2.5
CHOS	Chios island	2.62 343	Pn	23 28 02.3 +1.8
CHOS	Chios island	2.62 343	P	23 28 02.3 -0.1
ANKY	Antikythira Is	3.02 271	P	23 28 09.0 +1.2
DION	Dionisos Attik	3.31 313	P	23 28 13.5 +1.8
VLI	Vellai	3.40 286	P	23 28 14.0 +1.0
VLI	Vellai	3.40 286	P	23 28 14.0 +1.0
KRND	KRANIDI	3.45 297	P	23 28 14.4 +0.6
GUR	Goura	4.27 300	P	23 28 27.3 +2.2

KLV	Kalavryta, Ach	4.46 300	P	Pn	23 28 29.8 +2.2
ANX	Ano Chora	4.89 305	P	Pn	23 28 36.2 +2.7
CSS	Mathiatis	5.24 98	P	Pn	23 28 39.3 +1.1
MMA0B	Mount Meron ar	7.49 110	P	Pn	23 29 09.0 -0.3
MMA0B	Mount Meron ar	7.49 110	S	Sn	23 30 32.4 -1.5
KZIT	Kziot	7.91 127	S	Sn	23 30 40.4 -3.8
KZIT	Kziot	7.91 127	P	Pn	23 29 12.8 -2.3
YTIR	Yattir	8.12 121	P	Pn	23 29 16.0 -1.9
DSI	Dead Sea	8.18 119	P	Pn	23 29 17.6 -1.1
MSBI	Mazada	8.31 121	P	Pn	23 29 20.4 0.0
PRNI	Paran	8.67 127	P	Pn	23 29 23.7 -1.7
HRFI	Mount Harif	8.90 129	S	Sn	23 31 06.0 -2.6
HRFI	Mount Harif	8.90 129	P	Pn	23 29 26.2 -2.4



# ISC Computed Locations for April 2018

