

ACKNOWLEDGEMENTS

The Centre gratefully acknowledges the financial support of the following agencies:

MEMBERS

The National Science Foundation of the United States. (Grant No. EAR-0949072), U.S.A.
 The Royal Society of London, United Kingdom
 Russian Academy of Sciences, Russia
 The Japan Meteorological Agency (JMA), Japan
 China Earthquake Administration, China
 India Meteorological Department, India
 Institute National des Sciences de l'Univers, France
 Bundesanstalt für Geowissenschaften und Rohstoffe, Germany
 The Geological Survey of Canada, Canada
 Istituto Nazionale di Geofisica e Vulcanologia, Italy
 Institute of Geological and Nuclear Sciences, New Zealand
 Geoscience Australia, Australia
 Instituto Geografico Nacional, Spain
 Japan Agency for Marine-Earth Science and Technology (JAMSTEC), Japan
 Earthquake Research Institute, University of Tokyo, Japan
 The University of Bergen, Norway
 Stiftelsen NORSAR, Norway
 The Royal Netherlands Meteorological Institute, Netherlands
 Bundesministerium für Wissenschaft und Forschung, Austria
 Instituto Português do Mar e da Atmosfera, Portugal
 GeoForschungsZentrum Potsdam, Germany
 The Swiss Academy of Sciences, Switzerland
 Geological Survey of Denmark and Greenland - GEUS, Denmark
 Academy of Sciences of the Czech Republic, Czech Republic
 The University of Helsinki, Finland
 British Geological Survey, United Kingdom
 Laboratoire de Detection et de Geophysique/CEA, France
 Uppsala Universitet, Sweden
 Disaster and Emergency Management Presidency, Turkey
 National Earthquake Information Center, U.S. Geological Survey, U.S.A.
 The Seismological Institute, National Observatory of Athens, Greece
 National Defence Research Establishment, Sweden

The Geophysical Institute of Israel, Israel
 National Institute for Earth Physics, Romania
 Kandilli Observatory and Earthquake Research Institute, Turkey
 Seismology Research Centre, Australia
 National Research Institute for Astronomy and Geophysics (NRIAG), Cairo, Egypt
 Council for Geoscience, South Africa
 Institute of Geophysics, National University of Mexico, Mexico
 The Hungarian Academy of Sciences, Hungary
 The Icelandic Meteorological Office, Iceland
 Dublin Institute for Advanced Studies, Ireland
 Instituto Nacional de Prevencion Sismica (INPRES), Argentina
 Observatoire Royal de Belgique, Belgium
 Natural Resources Authority, Amman, Jordan
 Environmental Agency of Slovenia, Slovenia
 Incorporated Research Institutions for Seismology, U.S.A.
 Geological Survey Department, Cyprus
 University of Texas at Austin, U.S.A.
 Iraqi Seismic Network, Iraq
 Korean Meteorological Administration, Republic of Korea
 Institute of Earth Sciences, Academia Sinica, Chinese Taipei
 Istituto Nazionale di Oceanografia e di Geofisica Sperimentale, Italy
 Institute of Geophysics, Polish Academy of Sciences, Poland
 University of the West Indies, Jamaica
 AWE Blacknest, United Kingdom
 University of the West Indies, Trinidad and Tobago
 Red Sismica de Puerto Rico, Puerto Rico
 Soreq Nuclear Research Centre (SNRC), Israel
 Centre of Geophysical Monitoring (CGM) of the National Academy of Sciences of Belarus, Belarus
 The University of Melbourne, Australia
 Centre de Recherche en Astronomie, Astrophysique et Geophysique (CRAAG), Algeria
 National Institute of Polar Research (NIPR), Japan
 Department of Geophysics, University of Chile, Chile

SPONSORS

REF TEK, a division of Trimble, U.S.A.

**All data, including phase data, are available on CD-ROM/DVD-ROM
 and from the internet - <http://www.isc.ac.uk>**

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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

```

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 18:45:43.1±2.7,22.3S;02×179.6W;03,h613km,42km,
n22,r1515/21,mb4.4/9,1C,South of Fiji Islands
Code Station Name Δ° AZ° Phase ID ISC Time Res
h m s ISC
HBZ Hicks Bay 15.41 186 eP P 18 48 53.1 -1.7
URZ Urewera 16.21 189 P P 18 49 01.5 -0.9
MRZ Mangatoinoka R 18.81 192 eP P 18 49 26.7 0.0
DIW D'Urville Isla 19.30 195 eP P 18 49 27.3 -3.9
CAW Cannon Point 19.34 192 eP P 18 49 31.7 +0.1
OTW Orongorongo Tu 19.52 192 eP P 18 49 33.0 -0.2
MCW Moikau 19.61 192 eP P 18 49 35.5 +1.5
THZ Tophouse 20.46 196 eP P 18 49 42.0 +0.2
KHZ Kahutara 20.93 194 P P 18 49 46.2 +0.2
ARMA Armidale 27.03 246 eP P 18 50 42.4 +2.3
CTA Charters Tower 31.93 267 P P 18 51 22.3 +0.4
13nm,0.5s,mb4.8
STKA Stephens Creek 35.75 246 eP P 18 51 55.3 +1.8
3.1nm,0.4s,mb4.2
ASAR Alice Springs 42.74 259 P P 18 52 50.1 +0.3
9.8nm,0.5s,mb4.6,baz=92,slow=8.2,SNR=47
ASAR S 18 58 31.3 -0.1
1.0nm,0.8s,baz=95,slow=15,SNR=5.7
ASPA Alice Springs 42.74 259 eP P 18 52 50.1 +0.2
WRA Warramunga Arr 42.96 264 P P 18 52 51.0 -0.7
1.8nm,0.3s,mb4.0,baz=96,slow=7.8,SNR=93
WRA S 18 58 33.0 -1.5
0.3nm,0.9s,baz=99,slow=14,SNR=3.0
KAKA Kakadu 46.64 273 eP P 18 53 18.2 -1.8
14nm,0.4s,mb4.8
FITZ Fitzroy Crossi 51.39 264 eP P 18 53 54.3 -0.7
12nm,0.3s,mb4.8
MBWA Marble Bar 56.08 259 eP P 18 54 27.1 -0.7
11nm,0.6s,mb4.2
CMAR Chiang Mai Arr 89.35 290 P P 18 57 38.1 +1.0
1.3nm,0.8s,mb3.8,baz=135,slow=3.1,SNR=8.1
ARCES ARCESS Array B 130.36 349 PKP PKP 19 03 43.7 -0.5
0.7nm,0.6s,baz=282,slow=4.2,SNR=3.5
FINES FINES Array B 137.02 342 PKP PKP 19 03 57.3 +0.5
3.7nm,1.1s,baz=158,slow=3.2,SNR=5.4
MLR Muntele Rosu 148.85 324 PKPbc PKP 19 04 22.7 +5.2
0.2nm,0.7s,baz=1.2,slow=23,SNR=2.3

```

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 location 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.

1d 1h

Table with columns for station code, name, frequency, and signal strength. Includes stations like Nikolayevsk, OKH, PETK, ZEA, HIA, MA2, BJT, YAK, HHC, WHN, ULN, SON1, XAN, ZAK, LZH, GTA, YGA, etc.

2012 OCT

Table with columns for station code, name, frequency, and signal strength. Includes stations like GYA, QIZ, HVS, DGZ, WMQ, ZAAO, ZALV, ZALZ, NRIK, NVS, CHAI, CMMT, CHTO, CMAR, SUKH, MK01, MK31, MKAR, MKAR, MAKZ, MAKZ, CAST, MLY, KURK, KURK, KURB, MDM, WRH, IL1, ILAR, ILAR, ILB, SCRK, GUN, KKN, PKI, GKN, BVA0, BVA0, BVA0, DANN, BRVK, BRVK, AAK, AAK, PYUN, HYT, INK, KK31, KK31, KKAR, KKAR, SVE, SVE, NIL, NIL, ARU, ARU, ARU, ARU, ARU, AB31, AB31, ABKAR, AKTO, AKTO, PRGR, PRGR, WRAB, WRAB, WRAB, WRA

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Table with columns for station code, name, frequency, and signal strength. Includes stations like WRA, YKA, GEYT, GYA0B, ASAR, MOS, VRH, OBN, OBN, OBN, FINES, FINES, LPSR, LPSR, PINE, E09A, VSR, VSR, VSR, VORD, VORD, SUMG, SUMG, GROC, GROC, GROC, JOBA, GOF, GOF, ORV, ORV, ORV, NCK, NCK, ZEI, ZEI, KIV, KIV, KIV, KIV, KBZ, KBZ, BEKR, TBGL, TBGL, TBGL, NEY, NEY, JBNB, FAHR, FAHR, GNI, GNI, AKH, AKH, AKH, CMB, LRM, YERR, BOZ, BOZ, BOZ, KVN, KVN, KVN, SOC, SOC, SOC, NOA, NOA, NOA, ARTV, NV01, NVAR, DAGI, NV11, DBAD, YHH, AKASG, HOMI, H17A, IMW, FXWY, RLMT, MOOW, TPWA, R11A, SIM, SIM, HWUT, TPNV, TPNV, TPNV, DUG

DUG	Dugway, Tooele	74.42	50	eP	P	01 12 22.4 +3.8
PDAR	Pinedale Array	74.64	47	eP	P	01 12 17.9 -2.1
PDAR	Pinedale Array	74.64	47	eP	P	01 12 26.4 +6.4
PSUT	Pine Spring	74.84	52	eP	P	01 12 25.4 +4.2
SORM	Soroca	74.97	321	iP	P	01 12 21.2 -0.2
SHPR	Sheep Range	75.31	55	eP	P	01 12 28.3 +4.5
CCUT	Cedar City	75.76	53	eP	P	01 12 30.9 +4.4
P17A	Butcher Ranch	76.10	50	eP	P	01 12 32.8 +4.4
LCMT	Little Creek M	76.18	53	eP	P	01 12 33.4 +4.5
ULM	Lac du Bonnet	76.30	35	LR	LR	01 49 46.9
KNB	Kanab	76.43	53	eP	P	01 12 35.1 +4.8
KNB	Kanab	76.43	53	eP	P	01 12 35.1 +4.8
BUR08	Bucovina Ar. S	76.82	322	eP	P	01 12 32.8 +0.6
BUR04	Bucovina Ar. S	76.83	322	eP	P	01 12 32.1 -0.1
BURAR	Bucovina Array	76.83	322	iP	P	01 12 32.9 +0.6
OJC	Ojcow	77.34	327	eP	P	01 12 35.6 +0.7
OJC	Ojcow	77.34	327	eP	P	01 12 35.6 +0.7
UZH	Uzhgorod	77.44	324	eP	P	01 12 35.0 -0.5
TRPA	Tarpha	77.69	324	iP	P	01 12 38.2 +1.3
VP14	Lion Creek, Pa	77.83	50	eP	P	01 12 39.9 +1.7
BR13	Keeskin Array B	77.90	312	eP	P	01 12 39.0 +0.6
BRTR	Keeskin Array B	77.90	312	eP	P	01 12 38.0 -0.5
BRTR	Keeskin Array B	77.90	312	eP	P	01 15 40.8 +6.9
BRTR	Keeskin Array B	77.90	312	eP	P	01 52 48.3
BRTR	Keeskin Array B	77.90	312	eP	P	01 12 38.7 +0.2
BRTR	Keeskin Array B	77.90	312	eP	P	01 12 44.0 +4.9
VP13	Radium Mtn., P	78.09	50	eP	P	01 12 43.9 +4.3
LANS	Liptovsk Anna	78.29	326	eP	P	01 12 41.5 +1.2
LANS	Liptovsk Anna	78.29	326	eP	P	01 12 41.5 +1.2
WUAZ	Wupatki	78.30	53	eP	P	01 12 45.1 +4.4
VOIR	Moravsky Berou	78.62	327	iP	P	01 12 42.4 +0.9
VOIR	Moravsky Berou	78.62	327	iP	P	01 12 42.8 +0.7
MORC	Moravsky Berou	78.62	327	iP	P	01 12 43.1 +1.0
MORC	Moravsky Berou	78.62	327	iP	P	01 12 43.1 +1.0
MORC	Moravsky Berou	78.62	327	iP	P	01 12 42.6 +0.5
DPB	Dobruska-Polom	78.67	328	eP	P	01 12 43.3 +0.9
DPB	Dobruska-Polom	78.67	328	eP	P	01 12 52.6
DPB	Dobruska-Polom	78.67	328	eP	P	01 12 43.3 +0.9
DPB	Dobruska-Polom	78.67	328	eP	P	01 12 52.6
KRLC	Kraliky	78.70	328	eP	P	01 12 43.3 +0.7
KRLC	Kraliky	78.70	328	eP	P	01 12 43.3 +0.7
ARR	Arges	78.73	321	iP	P	01 12 44.7 +1.9
BRG	Berggiesshubel	79.19	330	eP	P	01 12 45.0 -0.2
BRG	Berggiesshubel	79.19	330	eP	P	01 12 45.0 -0.2
CLL	Colim	79.20	331	eP	P	01 12 45.1 -0.1
CLL	Colim	79.20	331	eP	P	01 12 45.4 +0.2
CLL	Colim	79.20	331	eP	P	01 13 01.0 +4.2
CLL	Colim	79.20	331	eP	P	01 13 01.0 +4.2
CLL	Colim	79.20	331	eP	P	01 13 01.0 +4.2
CLL	Colim	79.20	331	eP	P	01 13 01.0 +4.2
CLL	Colim	79.20	331	eP	P	01 12 46.7 +1.3
PVCC	Panska Ves	79.23	329	eP	P	01 12 56.6 -0.4
PVCC	Panska Ves	79.23	329	eP	P	01 12 46.7 +1.3
PVCC	Panska Ves	79.23	329	eP	P	01 12 56.6
JAVC	Velka Javorina	79.27	327	eP	P	01 12 47.3 +1.6
VRAC	Vranov	79.37	328	iP	P	01 12 45.5 -0.7
VRAC	Vranov	79.37	328	iP	P	01 12 45.5 -0.7
GROP	Go Pecny, Ondr	79.63	329	AMS	AMS	01 12 46.8 +0.6
PRA	Prague	79.64	329	eP	P	01 12 52.2 +4.6
PRA	Prague	79.64	329	eP	P	01 51 20.0
PRA	Prague	79.64	329	eP	P	01 12 52.2 +4.6
PRA	Prague	79.64	329	eP	P	01 12 52.2 +4.6
KRUC	Moravsky	79.65	328	eP	P	01 12 48.3 +0.6
PRU	Pruhonic	79.67	329	eP	P	01 12 48.8 +1.0
PRU	Pruhonic	79.67	329	eP	P	01 12 54.9 -1.4
PRU	Pruhonic	79.67	329	eP	P	01 50 50.0
PRU	Pruhonic	79.67	329	eP	P	01 12 48.8 +1.0
PRU	Pruhonic	79.67	329	eP	P	01 12 54.9
HERR	Kasperske Hory	80.16	322	iP	P	01 12 48.1 -2.4
HERR	Kasperske Hory	80.16	322	iP	P	01 12 54.0 +0.4
KHC	Kasperske Hory	80.73	329	eP	P	01 12 53.0 0.0
KHC	Kasperske Hory	80.73	329	eP	P	01 13 00.1 -0.1
KHC	Kasperske Hory	80.73	329	eP	P	01 52 50.0
KHC	Kasperske Hory	80.73	329	eP	P	01 12 54.0 +0.4
KHC	Kasperske Hory	80.73	329	eP	P	01 12 54.0 +0.4
CONA	Conrad Observa	80.76	327	eP	P	01 12 54.7 +0.9
RAYN	Ar Rayn	80.78	293	eP	P	01 12 53.8 -0.5
RAYN	Ar Rayn	80.78	293	eP	P	01 12 53.8 -0.5
GERES	GERESS Array B	80.91	329	eP	P	01 12 54.3 -0.3
GERES	GERESS Array B	80.91	329	eP	P	01 12 54.4 -0.3
ARSA	Arzberg	81.43	327	eP	P	01 12 58.1 +0.8
VTS	Vitosha	81.46	320	eP	P	01 12 57.8 0.0
VTS	Vitosha	81.46	320	eP	P	01 12 57.8 0.0
VTS	Vitosha	81.46	320	eP	P	01 12 59.0 +1.2
MOA	Molln	81.47	328	eP	P	01 12 58.0 +1.2
ANMO	Albuquerque	81.67	51	eP	P	01 12 59.2 +0.2
ANMO	Albuquerque	81.67	51	eP	P	01 13 02.8 +3.8
ANMO	Albuquerque	81.67	51	eP	P	01 13 01.9 +2.9
ANMO	Albuquerque	81.67	51	eP	P	01 13 01.9 +2.9
SOKA	Soboth	82.09	327	eP	P	01 13 01.1 +0.3
OBKA	Obr	82.43	327	eP	P	01 13 00.1 -2.6
MYKA	Terra Mystica	82.71	328	eP	P	01 13 04.1 0.0
WATA	Walderalm	82.97	329	eP	P	01 13 05.9 +0.4
WTTA	Wattenberg	83.00	329	eP	P	01 13 06.6 +0.9
MOTA	Moosalm	83.14	329	eP	P	01 13 07.0 +0.5
RETA	Reutte	83.16	330	eP	P	01 13 05.9 -0.5

BFO	Black Forest	83.38	332	iP	P	01 13 08.8 +1.3
TTG	Pogdgorica	83.51	322	eP	P	01 13 08.0 -0.2
TTG	Pogdgorica	83.51	322	eP	P	01 13 08.0 -0.2
FETA	Feichten	83.56	329	eP	P	01 13 09.2 +0.6
DAVA	Comradas Mount	83.67	330	eP	P	01 13 09.3 +0.1
LIT	Litokhoron	83.68	318	eP	P	01 13 09.2 +0.1
LIT	Litokhoron	83.68	318	eP	P	01 13 09.2 +0.1
FUORN	Ofenpass-Fuorn	84.07	329	eP	P	01 13 11.9 +0.6
MNTX	Cornudas Mount	84.55	53	eP	P	01 13 18.2 +4.4
PPT	Papeete	84.77	118	LR	LR	01 43 25.9
PPT2	Papeete2	84.79	118	eLR	LR	01 40 27.0
TAOE	Nuku Hiva Isla	85.60	105	eLR	P	01 40 51.0
TX31	Lajitas Ar. Si	87.26	53	eP	P	01 13 30.2 +2.9
TXAR	Lajitas Array	87.26	53	eP	P	01 13 25.9 -1.4
ESDC	Sonsecia Array	95.22	335	LR	LR	02 03 06.6
SNAA	Sanae	143.96	196	PKP	PKP	01 20 09.7 -2.4
SNAA	Neumayer-Watz	145.53	197	PKP	PKP	01 20 15.9 -1.8
VNA3	Neumayer Olymp	145.76	195	PKP	PKP	01 20 15.9 -1.8
VNA1	Neumayer-Stat	145.93	197	PKP	PKP	01 20 14.4 -3.5
SIV	San Ignacio	148.48	148	PKP	PKP	01 20 24.4 +1.1

ISCJBJ 01:01:04:13.3:0.5, 8.24N:0.04:74.23W:0.03, h84km, 8km, mb3.5/3, Error ellipse: s-maj=7.4km s-min=5.7km az=173.8

RSNC 01:01:04:15.1:0.9, 8.17N:74.25W, h21km, 6km, MLL3, Mw4.1

IDC 01:01:04:16.6:1.4, 8.10N:74.09W, h102km, 16km, mb3.2/3, mb1.3/0.8, mb1mx3.3/5, mbtm3.9/8, Error ellipse:

ISC 01:01:04:14.1:0.8, 8.20N:0.06:74.20W:0.04, h72km, 10km, n23, c219/33, mb3.6/3, ID: Northern Colombia

ZARC	Zaragoza, Cauc	0.96	223	iP	Pn	01 04 30.0 -1.1
ZARC	Zaragoza, Cauc	0.96	223	iP	Pn	01 04 31.3 -2.2
BRRC	Barranca, Sant	1.18	156	iP	Pn	01 04 35.0 0.0
BRRC	Barranca, Sant	1.18	156	iP	Pn	01 04 35.3
UREC	San Jos' de U	1.39	252	eS	Pn	01 04 51.1 +0.5
GIRC	Giron, Santand	1.49	138	eP	Pn	01 04 36.6 -1.1
MOTC	Monteria, Cord	1.56	292	eS	Pn	01 04 59.3 -0.1
PTBC	PUERTO BERRIO,	1.67	189	eP	Pn	01 04 41.5 +0.2
PTBC	PUERTO BERRIO,	1.67	189	eP	Pn	01 05 02.1 +0.2
PTBC	PUERTO BERRIO,	1.67	189	eP	Pn	01 05 05.1
PAMC	Pamplona, Colo	1.71	120	eP	Pn	01 04 40.0 +1.7
PAMC	Pamplona, Colo	1.71	120	eP	Pn	01 05 05.9 +2.2
BARC	Barichara	1.89	148	iP	Pn	01 04 45.3 +0.9
BARC	Barichara	1.89	148	iP	Pn	01 05 13.3
DBBC	Dabeiba	2.31	240	eP	Pn	01 04 51.3 +1.2
DBBC	Dabeiba	2.31	240	eP	Pn	01 05 29.1
HEL	Santa Helena	2.39	214	eP	Pn	01 04 52.6 +1.3
HEL	Santa Helena	2.39	214	eP	Pn	01 05 19.9 +0.1
HEL	Santa Helena	2.39	214	eP	Pn	01 05 26.7
RUSC	La Rusia	2.54	154	eP	Pn	01 04 54.8 +1.2
RUSC	La Rusia	2.54	154	eP	Pn	01 05 25.4 +1.7
ROSC	El Rosal	3.54	182	eP	Pn	01 05 06.0 +1.8
ROSC	El Rosal	3.54	182	eP	Pn	01 05 46.6 +1.6
CHIC	Chingaza	3.57	173	eP	Pn	01 05 09.6 +2.1
SDV	Santo Domingo	3.59	177	eP	Pn	01 05 09.7 +2.2
SDV	Santo Domingo	3.59	177	eP	Pn	01 05 51.1 +2.2
PCRV	Puerto La Cruz	9.64	77	eP	Pn	01 06 30.8 +0.7
PCRV	Puerto La Cruz	9.64	77	eP	Pn	01 08 16.9 -0.1
JTS	JuntasAbangare	10.28	282	eP	Pn	01 06 50.7 +4.5
JTS	JuntasAbangare	10.28	282	eP	Pn	01 07 08.2 -2.0
PTGA	Pitinga	16.73	121	eP	Pn	01 08 02.5 -1.6
PTGA	Pitinga	16.73	121	eP	Pn	01 11 01.5 -7.9
LPAZ	La Paz	25.06	166	eP	Pn	01 09 31.1 -1.5
TXAR	Lajitas Array	34.76	311	iP	Pn	01 10 58.2 +0.4
YKA	Yellowknife Ar	61.61	340	P	Pn	01 14 24.1 +0.2
ASAR	Alice Springs	149.00	237	PKP	PKP	01 23 53.6 -1.3
WRA	Warramunga Arr	150.01	244	PKP	PKP	01 23 56.4 -1.0

SJA 01:01:06:40.6:0.6, 31.76

TXAR	2.1nm,0.5s,baz=316,slow=2.1,SNR=19	P	02 43 05.5 +0.6
Lajitas Array	58.27 82 P		
0.3nm,0.5s,baz=308,slow=5.1,SNR=6			
ASAR	Alice Springs 65.74 223 P	P	02 45 50.2 +1.0
0.2nm,0.5s,baz=22,slow=5.3,SNR=43			
BOSB	Boschof 151.28 313 PKPbc	PKPbc	02 50 03.0 -0.7
1.3nm,0.6s,baz=360,slow=3.0,SNR=5.4			

ISCJB 01 02:43:39.8:0.7,45:70N:0:03:26:60E:0.04,h140km,5km,
 Error ellipse: s-maj=5.4km s-min=4.8km az=159
 BUC 01 02:43:39.9:0.4,45:72N:0:03:26:60E:0.03,h140km,MD3.8/4,
 Error ellipse: s-maj=3.3km s-min=3.0km az=320.0
 ISC 01 02:43:39.4:1.4,45:71N:0:03:26:57E:0.03,h148km,8km,
 n64,ε1508/84,32C-12D,Romania

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
					h m s	ISC
PLOR	Plostinia	0.16	21	Pn	02 43 59.4 -0.1	
PLOR	Plostinia	0.22	43	Pn	02 43 59.4 -0.1	
PLOR	Plostinia	0.24	44	Pn	02 44 13.6 -1.2	
VRI	Vrincioaia	0.20	35	Pn	02 43 59.4 -0.1	
VRI	Vrincioaia	0.20	35	Pn	02 43 59.4 -0.1	
VRI	Vrincioaia	0.20	35	Pn	02 44 13.5 -1.4	
ODBI	Odobesti	0.35	80	Pn	02 44 00.7 +0.8	
ODBI	Odobesti	0.35	80	Pn	02 44 00.7 +0.8	
ODBI	Odobesti	0.35	80	Pn	02 44 15.7 +0.3	
PETR	Petresti	0.46	88	Pn	02 44 00.7 +0.3	
PETR	Petresti	0.46	88	Pn	02 44 00.7 +0.3	
PETR	Petresti	0.46	88	Pn	02 44 16.5 +0.2	
MLR	Muntele Rosu	0.49	244	Pn	02 44 01.0 +0.3	
MLR	Muntele Rosu	0.49	244	Pn	02 44 01.0 +0.3	
MLR	Muntele Rosu	0.49	244	Pn	02 44 15.9 -0.9	
ISR	Istrita	0.59	182	Pn	02 44 01.4 +0.2	
ISR	Istrita	0.59	182	Pn	02 44 01.4 +0.2	
ISR	Istrita	0.59	182	Pn	02 44 18.3 +0.7	
OZUR	Ozurd	0.67	306	Pn	02 44 01.4 -0.2	
OZUR	Ozurd	0.67	306	Pn	02 44 01.4 -0.2	
OZUR	Ozurd	0.67	306	Pn	02 44 17.0 -1.5	
SECR	Secura	0.76	208	Pn	02 44 02.9 +0.7	
SECR	Secura	0.76	208	Pn	02 44 02.9 +0.7	
SECR	Secura	0.76	208	Pn	02 44 20.0 +0.5	
PGOR	Pogoanele	0.85	160	Pn	02 44 21.1 +0.7	
PGOR	Pogoanele	0.85	160	Pn	02 44 21.3 +0.7	
PLAR	PLOIESTI	0.88	206	Pn	02 44 04.0 +1.0	
PLAR	PLOIESTI	0.88	206	Pn	02 44 04.0 +1.0	
PLAR	PLOIESTI	0.88	206	Pn	02 44 22.1 +1.1	
SULR	Sulina	1.05	192	Pn	02 44 05.2 +0.7	
SULR	Sulina	1.05	192	Pn	02 44 01.0 +0.3	
SULR	Sulina	1.05	192	Pn	02 44 24.3 +0.8	
VOIR	Voivodeni	1.10	256	Pn	02 44 05.3 +0.3	
VOIR	Voivodeni	1.10	256	Pn	02 44 05.3 +0.3	
VOIR	Voivodeni	1.10	256	Pn	02 44 23.9 -0.6	
AMRR	Amara	1.22	153	Pn	02 44 26.1 -0.2	
AMRR	Amara	1.22	153	Pn	02 44 26.1 -0.2	
CFR	Carcaliuz	1.22	115	Pn	02 44 06.0 0.0	
CFR	Carcaliuz	1.22	115	Pn	02 44 06.0 0.0	
CFR	Carcaliuz	1.22	115	Pn	02 44 29.9 -1.4	
CIOR	Ciorogarla	1.35	201	Pn	02 44 07.3 0.0	
CIOR	Ciorogarla	1.35	201	Pn	02 44 07.3 0.0	
CIOR	Ciorogarla	1.35	201	Pn	02 44 28.6 +0.1	
LEOM	Leova	1.40	56	Pn	02 44 07.9 +0.2	
LEOM	Leova	1.40	56	Pn	02 44 07.9 +0.2	
LEOM	Leova	1.40	56	Pn	02 44 28.2 -1.2	
HARR	Harsova	1.40	136	Pn	02 44 07.8 0.0	
HARR	Harsova	1.40	136	Pn	02 44 07.8 0.0	
HARR	Harsova	1.40	136	Pn	02 44 09.7 +1.8	
ARR	Arges	1.40	257	Pn	02 44 09.7 +1.8	
ARR	Arges	1.40	257	Pn	02 44 09.7 +1.8	
ARR	Arges	1.40	257	Pn	02 44 29.9 +0.3	
BUC1	Bucharest	1.41	196	Pn	02 44 29.8 +0.1	
BUC1	Bucharest	1.41	196	Pn	02 44 29.8 +0.1	
TLB	Topalu	1.53	137	Pn	02 44 09.3 +0.2	
TLB	Topalu	1.53	137	Pn	02 44 09.3 +0.2	
TLB	Topalu	1.53	137	Pn	02 44 30.3 -1.6	
SGRR	Singureni	1.54	196	Pn	02 44 31.5 -0.6	
SGRR	Singureni	1.54	196	Pn	02 44 31.5 -0.6	
HUMR	Humele	1.63	224	Pn	02 44 33.3 -0.5	
HUMR	Humele	1.63	224	Pn	02 44 33.3 -0.5	
TLCR	Topalu	1.66	107	Pn	02 44 11.2 +0.6	
TLCR	Topalu	1.66	107	Pn	02 44 11.2 +0.6	
TLCR	Topalu	1.66	107	Pn	02 44 33.3 -1.1	
CVDA	Cernavoda	1.72	142	Pn	02 44 34.0 -1.6	
CVDA	Cernavoda	1.72	142	Pn	02 44 34.0 -1.6	
TIRR	Tirgusor	1.81	133	Pn	02 44 12.4 +0.2	
TIRR	Tirgusor	1.81	133	Pn	02 44 12.4 +0.2	
TIRR	Tirgusor	1.81	133	Pn	02 44 35.1 -2.2	
KIS	Kishinev	2.02	50	eS	02 44 19.0 +4.3	
KIS	Kishinev	2.02	50	eS	02 44 45.0 +3.2	
BURAR	Bucovina Array	2.12	334	Pn	02 44 16.8 +0.8	
BURAR	Bucovina Array	2.12	334	Pn	02 44 16.8 +0.8	
ZIMR	Zimnita	2.22	203	Pn	02 44 44.7 -1.2	
ZIMR	Zimnita	2.22	203	Pn	02 44 44.7 -1.2	
PSN	Preselentsi	2.33	150	eP	02 44 19.3 +1.0	
SRH	Strazhica	2.48	191	eP	02 44 20.5 +0.3	
PRD	Provdadia	2.58	166	eP	02 44 22.4 +1.0	
SORM	Soroca	2.72	26	Pn	02 44 23.0 -0.1	
SORM	Soroca	2.72	26	Pn	02 44 23.0 -0.1	
SORM	Soroca	2.72	26	Pn	02 44 37.7 -3.2	
DRGR	Dracov	2.89	293	Pn	02 44 25.6 +0.3	
DRGR	Dracov	2.89	293	Pn	02 44 25.6 +0.3	
HERR	Herculane	3.04	256	Pn	02 45 02.8 -1.4	
HERR	Herculane	3.04	256	Pn	02 45 02.8 -1.4	

IDC 01 02:58:18.5:2.0,23:21N:142:28E,h120km,16km,
 mb3.9/17,mb1.4/120,mb1mx3.9/36,mbtm4.3/20,Error
 ellipse: s-maj=16.5km s-min=12.8km az=97.0
 NEIC 01 02:58:19.2:1.5,23:22N:142:33E,h127km,13km,mb4.6/4,
 Error ellipse: s-maj=13.8km s-min=10.9km az=85.0
 ISCJB 01 02:58:22.0:0.6,23:56N:0:04:142:2E:0.1,h150km,
 mb4.0/22,Error ellipse: s-maj=13.3km s-min=5.7km
 az=9.7
 JMA 01 02:58:21.9:0.6,23:52N:142:18E,h180km,2km,M5.4
 ISC 01 02:58:21.9:0.6,23:40N:0:06:142:3E:0.1,h150km,Res
 ε193/63,mb4.0/22,Volcano Islands region

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
					h m s	ISC
JHHJ	Haha-jima-NKT	3.22	358	P	02 59 12.0 +0.1	
JHHJ	Haha-jima-NKT	3.22	358	P	02 59 50.6 -0.2	
CBJL	Chichi jima	3.68	359	P	02 59 17.7 -0.2	
CBJL	Chichi jima	3.68	359	P	03 00 01.0 -0.5	
CBJL	Chichi jima	3.68	359	P	03 00 01.6 +0.1	
JCJ	Chichijima	3.68	359	Pn	02 59 17.7 -0.2	
JCJ	Chichijima	3.68	359	Pn	03 00 01.0 -0.5	
JHU2	Mitsune	9.92	348	P	03 00 39.4 -1.3	
JHU	Hachijo jima 2	9.93	348	P	03 00 39.4 -1.5	
BSO1	Boso 1	11.27	354	P	03 00 56.1 -1.9	
BSO3	Boso 3	11.47	353	P	03 00 58.1 -2.7	
BSO3	Boso 3	11.47	353	eS	03 03 08.2 -4.6	
BSO4	Boso 4	11.67	352	P	03 01 01.7 -2.0	
BSO4	Boso 4	11.67	352	eS	03 03 08.5 -4.1	
HMMU	Hamamatsu 2	12.09	342	P	03 01 08.3 -0.9	
JOD2	Odawara 2	12.14	347	P	03 01 14.7 -1.5	
JNY	Yasuki	12.52	343	P	03 01 13.1 -1.8	
JAO	Obara	12.61	341	P	03 01 15.1 -0.9	
JHU	Hanno	12.68	349	P	03 01 13.8 -3.1	
JHU	Hanno	12.68	349	eS	03 03 30.6 -6.4	
JRY	Ryogami san	12.91	348	P	03 01 17.4 -2.5	
JHO	Hitachi	13.25	354	P	03 01 17.1 -2.2	
MJAR	Matsushiro Arr	13.56	346	P	03 01 24.7 -3.5	
MAJO	Matsushiro	13.56	346	ePn	03 01 26.7 -1.5	
KSRS	Korea Array	18.66	322	P	03 02 30.1 -0.2	
KSRS	Korea Array	18.66	322	P	03 02 30.1 -0.2	
KSAR	Wonju Array Be	18.68	322	P	03 02 30.1 -0.4	
KLR	Kul'dur	27.09	345	P	03 03 51.2 +0.9	
SONM	Songino Array	37.51	320	P	03 05 21.2 0.0	
SONM	Songino Array	37.51	320	P	03 05 21.2 0.0	
SONM	Songino Array	37.51	320	PcP	03 07 36.2 -0.1	
CMAR	Chiang Mai Arr	40.67	271	P	03 05 48.8 +1.0	
CMAR	Chiang Mai Arr	40.67	271	P	03 05 48.8 +1.0	
WRAB	Tennant Creek	43.76	191	eP	03 03 06.7 -1.9	

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
					h m s	ISC
WRA	Warramunga Arr	43.77	191	P	03 06 10.5 -2.2	
WRA	Warramunga Arr	43.77	191	P	03 06 10.5 -2.2	
WRA	Warramunga Arr	43.77	191	PcP	03 07 55.4 -1.4	
WRA	Warramunga Arr	43.77	191	S	03 07 27.9 -4.2	
LSA	Lhasa	45.88	289	P	03 06 32.1 +2.2	
LSA	Lhasa	45.88	289	P	03 06 32.1 +2.2	
ASAR	Alice Springs	47.49	190	P	03 06 39.5 -2.4	
ASAR	Alice Springs	47.49	190	P	03 06 39.5 -2.4	
ASAR	Alice Springs	47.49	190	S	03 13 20.8 -4.5	
GUN	Gumba	50.67	288	eP	03 07 07.9 +1.3	
GUN	Gumba	50.67	288	eP	03 07 07.9 +1.3	
PKI	Pulchoki	51.14	287	eP	03 07 10.8 +0.8	
GKN	Gorkha	51.75	288	eP	03 07 15.4 +1.0	
ZALV	Zalesovo Beam	52.37	321	P	03 07 19.6 +1.3	
ZALV	Zalesovo Beam	52.37	321	PcP	03 08 27.3 +0.1	
DANN	Dangsig	52.46	289	eP	03 07 21.3 +1.5	
DANN	Dangsig	52.46	289	eP	03 07 21.3 +1.5	
KOLN	Koldanda	52.69	288	eP	03 07 22.4 +1.0	
MKAR	Makanochi Array	52.95	312	P	03 07 24.4 +1.6	
MKAR	Makanochi Array	52.95	312	PcP	03 08 30.4 +0.8	
PYUN	Pluthan	53.17	288	eP	03 07 26.1 +1.2	
PYUN	Pluthan	53.17	288	eP	03 07 26.1 +1.2	
NURK	Kurchatov	55.67	316	eP	03 07 43.1 +0.8	
KIL	Nilore	60.53	297	P	03 08 17.9 +1.4	
BRVK	Boroyev	60.91	319	eP	03 08 19.9 +1.3	
ILAR	Eielson Array	60.91	28	P	03 08 19.4 +0.9	
INK	Inuvik	66.35	24	P	03 08 55.5 +1.5	
ARU	Arti	67.41	323	eP	03 09 02.0 +1.0	
ARU	Arti	67.41	323	eP	03 09 02.0 +1.0	
YKA	Yellowknife Ar	75.34	328	P	03 09 50.0 +1.6	
YKA	Yellowknife Ar	75.34	328	P	03 09 50.0 +1.6	
ARCES	ARCES Array B	75.34	341	P	03 09 59.3 +1.3	
ARCES	ARCES Array B	75.34	341	P	03 09 59.3 +1.3	
KBZ	Khabaz	80.00	314	P	03 10 19.1 +1.4	
KBZ	Khabaz	80.00	314	P	03 10 19.1 +1.4	
FINES	FINES Array B	81.29	334	P	03 10 21.2 +0.1	
FINES	FINES Array B	81.29	334	P	03 10 21.2 +0.1	
NVAR	Mina Array Bea	82.73	51	P	03 10 30.9 +1.5	
NVAR	Mina Array Bea	82.73	51	P	03 10 30.9 +1.5	
AKASG	Main Array Be	85.65	324	P	03 10 43.3 -0.2	
AKASG	Main Array Be	85.65	324	P	03 10 43.3 -0.2	
RAYN	Ar Raym	86.73	294	eP	03 10 50.0 +0.5	
RAYN	Ar Raym	86.73	294	eP	03 10 50.0 +0.5	
PDAR	Pinedale Array	86.77	44	P	03 10 50.6 +1.0	</

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Table with columns: Call Sign, Frequency, Mode, Power, and other technical details. Includes stations like CM01, SUKH, WMQ, ZAAO, etc.

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Table with columns: Call Sign, Frequency, Mode, Power, and other technical details. Includes stations like USP, KSH, FRU, AAK, etc.

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Table with columns: Call Sign, Frequency, Mode, Power, and other technical details. Includes stations like MOS, B06A, VRH, OBN, etc.

NB200	NORSAR Array S	75.15 337 eP	P	05 29 34.5 0.0
NOA	NORSAR Array B	75.15 337 P	P	05 29 34.5 0.0
NOA	comp=Z, 6.3nm, 0.7s, baz=39, slow=5.7, SNR=21		LR	06 05 55.7
AK11	Malin Array Si	75.16 322 eP	P	05 29 34.3 -0.4
NB000	NORSAR Array S	75.29 335 eP	P	05 29 35.5 +0.2
RYN	Ryan	75.40 537 eP	P	05 29 37.0 +0.5
NA001	NORSAR Array S	75.40 337 eP	P	05 29 36.2 +0.3
KVN	Kaiserville	75.43 52 eP	P	05 29 37.2 +0.6
KVN	Kaiserville	75.43 52 eP	P	05 29 37.3 +0.6
BOZ	Bozeman (W)	75.53 44 eP	P	05 29 37.8 +0.7
BOZ	Bozeman (W)	75.53 44 eP	P	05 29 37.8 +0.7
BOZ	comp=Z, 5.0nm, 0.8s		pmax	
NV01	Mina Array Sit	75.65 53 eP	P	05 29 38.5 +0.5
NVAR	Mina Array Bea	75.65 53 P	P	05 29 38.6 +0.6
NV11	Mina Array Sit	75.75 53 eP	P	05 29 38.8 +0.3
YHH	Holmes Hill	76.45 44 eP	P	05 29 43.4 +0.8
YMR	Madison River	76.46 44 eP	P	05 29 42.1 -0.4
H17A	Grant Village	76.85 44 eP	P	05 29 47.1 +2.4
IMW	Indian Meadows	76.94 45 eP	P	05 29 46.9 +1.5
FXWY	Fox Creek	77.05 45 eP	P	05 29 46.9 +1.0
RLMT	Red Lodge	77.14 43 eP	P	05 29 47.1 +0.8
MOOSE	Moose Ponds	77.14 45 eP	P	05 29 47.6 +1.3
HVU	Hansel Valley	77.15 48 eP	P	05 29 47.2 +0.8
HVU	Hansel Valley	77.15 48 eP	P	05 29 47.2 +0.8
TPAW	Teton Pass	77.19 45 eP	P	05 29 47.9 +1.2
REDW	Red Top Meadow	77.32 45 eP	P	05 29 48.0 +0.7
DAC	Darwin (Calif)	77.34 54 eP	P	05 29 47.7 +0.1
DAC	Darwin (Calif)	77.34 54 eP	P	05 29 47.7 +0.1
R11A	Troy Canyon, C	77.44 52 eP	P	05 29 48.5 +0.4
BGU	Big Grassy Mow	77.50 48 eP	P	05 29 48.9 +0.5
TPNV	Topopah Spring	77.83 53 eP	P	05 29 50.3 +0.1
HWUT	Hardware Ranch	77.97 47 eP	P	05 29 51.8 +0.8
DUG	Dugway, Tooele	78.08 49 eP	P	05 29 52.0 +0.5
DUG	Dugway, Tooele	78.08 49 eP	P	05 29 52.0 +0.5
BW06	Boulder Array	78.43 45 eP	P	05 29 53.4 -0.1
PD31	Pinedale Array	78.43 45 eP	P	05 29 53.4 -0.2
PDAR	Pinedale Array	78.43 45 eP	P	05 29 53.7 +0.1
PDAR	Pinedale Array	78.43 45 eP	P	05 29 51.9 -1.7
ILGA	ilgaz	78.67 313 eP	P	05 29 56.2 +1.3
MPU	Maple Canyon	78.90 48 eP	P	05 29 56.5 +0.3
KWP	Kalwaria Pacia	78.97 324 eP	P	05 29 56.9 +0.8
KWP	Kalwaria Pacia	78.97 324 eP	P	05 29 56.8 +0.8
KWP	Kalwaria Pacia	78.97 324 eP	P	05 29 56.9 +0.8
BUR08	Bucovina Ar. S	79.11 322 eP	P	05 29 57.4 +0.4
BUR04	Bucovina Ar. S	79.12 322 eP	P	05 29 57.4 +0.4
CFR	Cedar City	79.22 319 eP	P	05 29 57.4 +0.4
CCUT	Cedar City	79.33 51 eP	P	05 29 59.5 +1.0
MSU	Marysvalde	79.49 50 eP	P	05 30 00.5 +1.1
MSU	Marysvalde	79.49 50 eP	P	05 30 00.5 +1.1
BR101	Keiskin Array S	79.53 312 eP	P	05 29 59.5 0.0
BR11	Keiskin Array S	79.53 312 eP	P	05 29 59.5 0.0
BR1R	Keiskin Array B	79.53 312 P	P	05 29 59.5 0.0
BRTR	comp=Z, 4.5nm, 1.9s, baz=67, slow=39		LR	06 09 33.3
RAR	Rarotonga	79.57 126 LR	LR	05 58 23.4
TLB	Topalu	79.66 318 eP	P	05 30 02.3 +0.4
LMTM	Little Creek M	79.73 52 eP	P	05 30 01.4 +0.7
MTPU	Mount Pierson	79.77 50 eP	P	05 30 02.4 +1.3
P17A	Butcher Ranch	79.78 48 eP	P	05 30 02.0 +1.1
OJC	Ojcow	79.90 326 eP	P	05 30 01.5 +0.4
OJC	Ojcow	79.90 326 eP	P	05 30 01.5 +0.4
ANTO	Ankara	79.95 312 eP	P	05 30 02.4 +0.7
ANTO	Ankara	79.95 312 eP	P	05 30 02.4 +0.7
ANTO	comp=Z, 1.2nm, 0.6s		pmax	
KNB	Kanab	79.99 51 eP	P	05 30 03.4 +1.2
TRPA	Tampa	80.09 323 eP	P	05 30 03.5 +1.3
SRU	San Rafael Swe	80.14 49 eP	P	05 30 03.4 +0.5
MLR	Muntele Rosu	80.17 320 eP	P	05 30 03.7 +0.9
MLR	Muntele Rosu	80.17 320 eP	P	05 30 03.4 +0.5
NIE	Niedzica	80.24 325 eP	P	05 30 03.9 +0.9
NIE	Niedzica	80.24 325 eP	P	05 30 03.9 +0.9
ULM	Lac du Bonnet	80.41 31 P	P	05 30 03.2 -0.7
DRGP	comp=Z, 3.6nm, 0.9s, baz=315, slow=9.7, SNR=2.9		P	05 30 07.5 +0.7
KSP	Ksiaz	80.98 328 eP	P	05 30 07.6 +0.6
KSP	Ksiaz	80.98 328 eP	P	05 30 07.6 +0.6
RAYN	Ar Rayn	81.03 292 eP	P	05 30 08.0 +0.3
RAYN	Ar Rayn	81.03 292 eP	P	05 30 08.0 +0.3
RAYN	comp=Z, 9.0nm, 0.8s		pmax	
MORC	Moravsky Berou	81.23 327 eP	P	05 30 08.8 +0.5
MORC	Moravsky Berou	81.23 327 eP	P	05 30 09.0 +0.7
DPD	Dobruska-Polom	81.34 328 eP	P	05 30 09.9 +1.0
DPD	Dobruska-Polom	81.34 328 eP	P	05 30 09.9 +1.0
PV23	Carpenter Ridge	81.47 48 eP	P	05 30 10.5 +0.4
PV10	Paradox Valley	81.50 48 eP	P	05 30 11.0 +0.8
PV14	Lion Creek, Pa	81.51 48 eP	P	05 30 10.6 +0.3
PV22	Blue Mesa, Pa	81.55 48 eP	P	05 30 11.0 +0.5
PV19	Morning Glory	81.58 49 eP	P	05 30 10.5 -0.1
PV17	East Wray Mesa	81.61 49 eP	P	05 30 11.1 +0.3
PV16	Nyswonger Mesa	81.61 48 eP	P	05 30 11.7 +0.9
PV11	David Mesa, Pa	81.65 48 eP	P	05 30 11.7 +0.7
PV05	Paradox Valley	81.65 49 eP	P	05 30 11.7 +0.6
PV18	Skein Mesa, Pa	81.66 49 eP	P	05 30 11.8 +0.7
PV13	Radium Mtn., P	81.77 49 eP	P	05 30 12.2 +0.5
JAVC	Velka Javorina	81.84 326 eP	P	05 30 13.2 +1.6
PV01	Paradox Valley	81.94 48 eP	P	05 30 12.8 +0.3
113A	Mohawk Valley	81.97 55 eP	P	05 30 13.8 +1.3
VRAC	Vranov	81.99 327 eP	P	05 30 13.1 +0.8
COLL	Colim	82.00 330 eP	P	05 30 12.4 +0.2
COLL	comp=Z, 8.7nm, 0.8s		pP	
COLL	comp=Z, 1.1nm, 1.0s		pP	
COLL	Colim	82.00 330 eP	P	05 30 12.2 -0.1
COLL	comp=Z, 1.1nm, 1.0s		pP	
COLL	Colim	82.00 330 eP	P	05 30 12.2 -0.1

KRUC	Moravsky	82.26 327 eP	P	05 30 14.2 +0.5
BZS	Buzias	82.30 322 eP	P	05 30 14.3 +0.3
GOPC	GO Pecny, Ondr	82.32 328 eP	P	05 30 14.7 +0.7
GOPC	GO Pecny, Ondr	82.32 328 eP	P	05 30 14.7 +0.7
PRU	Pruhonic	82.37 329 eP	P	05 30 15.3 +1.1
HERR	Herculane	82.41 321 eP	P	05 30 14.2 -0.4
CSS	Mathiatis	82.69 308 eP	P	05 30 16.6 +0.4
ALN	Alexandroupoli	83.20 316 eP	P	05 30 19.6 +0.8
ALN	Alexandroupoli	83.20 316 eP	P	05 30 19.6 +0.8
CONA	Conrad Observa	83.34 327 ePcP	P	05 30 20.3 +0.8
KHC	Kasperske Hory	83.43 329 eP	P	05 30 20.3 +0.5
KHC	Kasperske Hory	83.43 329 eP	P	05 30 20.3 +0.5
VTS	Vitosha	83.59 328 eP	P	05 30 21.8 +0.8
VTS	Vitosha	83.59 328 eP	P	05 30 21.8 +0.8
GEC2	GERESS Array S	83.59 328 eP	P	05 30 20.2 -0.5
GEC2	GERESS Array S	83.59 328 eP	P	05 30 20.2 -0.5
GERES	GERESS Array B	83.59 328 P	P	05 30 20.9 +0.1
GEAO	GERESS Array S	83.60 328 eP	P	05 30 20.6 -0.2
PMOR	Pomariole Ree	83.79 113 eT	T	07 02 40.0
MOA	Molin	84.11 327 eP	P	05 30 18.7 -4.6
DIVS	Divibare	84.19 322 eP	P	05 30 24.4 +0.5
PPT	Papeete	84.19 116 LR	LR	06 02 44.6
PPT2	Papeete2	84.20 116 eLR	LR	05 56 47.7
PPT2	Papeete2	84.20 116 eT	T	07 03 11.3
TUC	Tucson	84.22 54 eP	P	05 30 24.7 +0.4
TUC	Tucson	84.22 54 eP	P	05 30 24.7 +0.4
TUC	comp=Z, 4.0nm, 1.1s		pmax	
PERS	Pernice	84.65 326 eP	P	05 30 26.2 +0.1
SOKA	Sotho	84.66 326 eP	P	05 30 25.5 -0.6
ECSD	EROS Data Cent	84.77 38 eP	P	05 30 25.4 -0.3
GCIS	Gornji Cirnik	85.09 325 eP	P	05 30 27.7 -0.1
T25A	Trinidad	85.08 47 eP	P	05 30 29.3 +0.6
MYKA	Terra Mystica	85.31 327 eP	P	05 30 28.7 -0.8
LIT	Litokhoron	85.72 318 eP	P	05 30 31.0 -0.5
LIT	Litokhoron	85.72 318 eP	P	05 30 31.0 -0.5
LIT	comp=Z, 1.5nm, 0.8s		pmax	
ABTA	Abfaltersbach	85.72 328 eP	P	05 30 31.3 -0.2
PDG	Podgorica	85.77 321 eP	P	05 30 32.1 +0.4
TTG	Podgorica	85.77 321 eP	P	05 30 32.1 +0.5
TTG	Podgorica	85.77 321 eP	P	05 30 32.1 +0.5
TTG	comp=Z, 3.0nm, 1.0s		pmax	
RETA	Reutte	85.89 329 ePcP	P	05 30 33.1 +0.8
TAOE	Nuku Hiva Isla	85.95 104 eLR	LR	05 57 31.0
BFO	Black Forest	86.21 331 eP	P	05 30 33.9 +0.1
BFO	Black Forest	86.21 331 eP	P	05 30 34.3 +0.5
FETA	Feichten	86.27 329 eP	P	05 30 29.3 -5.0
SCHO	Schefferville	86.36 16 P	P	05 30 34.6 +0.2
SCHO	Schefferville	86.36 16 eP	P	05 30 34.3 -0.1
DAVA	Damuels	86.42 329 ePcP	P	05 30 35.6 +0.5
FUORN	Ofenpass-Fuorn	86.78 329 eP	P	05 30 38.1 +1.1
F41A	Three Lakes	86.79 33 eP	P	05 30 37.0 +0.3
I39A	Houston	87.15 35 eP	P	05 30 37.9 -0.6
G42A	Mountain	87.48 33 eP	P	05 30 40.0 0.0
G43A	Wallau	87.79 32 eP	P	05 30 41.4 0.0
TBI	Tubuai	88.01 121 eLR	LR	05 58 09.5
TBI	Tubuai	88.01 121 eLR	LR	07 07 54.6
H2A	Draeger Farm	88.32 34 eP	P	05 30 44.0 0.0
LTX	Lajitas	90.79 52 eP	P	05 30 56.0 0.0
LTX	Lajitas	90.79 52 eP	P	05 30 56.0 0.0
TX31	Lajitas Ar. Si	90.79 52 eP	P	05 30 54.0 +0.4
TXAR	Lajitas Ar. Si	90.79 52 eP	P	05 30 56.0 0.0
TXAR	comp=Z, 1.0nm, 0.6s, baz=305, slow=3.2, SNR=20		LR	06 08 39.8
ABTX	Ablene, Hawke	91.03 48 eP	P	05 30 57.0 0.0
KEST	Kesra	95.84 323 LR	LR	06 20 52.9
ESDC	Socotra Array	98.29 137 LR	LR	06 19 48.7
TOA1	Torodi Ar. Sit	118.05 314 ePKPcP	PKPcP	05 36 37.6 -2.0
TOA2	Torodi Ar. Sit	118.05 314 ePKPcP	PKPcP	05 36 37.8 -1.9
TOR0	Torodi Ar. Bea	118.05 314 PKPcP	PKPcP	05 36 37.6 -2.0
DBIC	Dimbokro	127.03 316 PKP	PKPcP	05 36 57.0 0.0
SAML	Samuel	145.02 46 ePKPcP	PKPcP	05 37 28.6 -0.9
SAML	Samuel	145.02 46 ePKPcP	PKPcP	05 37 28.6 -0.9
LPZ	La Paz	147.25 61 ePKPcP	PKPcP	05 37 35.5 +0.9
LPZ	La Paz	147.25 61 ePKPcP	PKPcP	05 37 35.5 +0.9
MMNC	Minye Minye	148.01 67 ePKPcP	PKPcP	05 37 39.1 +0.7
PB11	IPOC Station P	148.34 68 ePKPcP	PKPcP	05 37 39.8 +0.4
LCO	Las Campanas	152.16 85 ePKPcP	PKPcP	05 37 48.8 +0.5
LCO	Las Campanas	152.16 85 ePKPcP	PKPcP	05 37 48.8 +0.5

LKR	Lokris	0.41 291 P	Pg	05 29 25.7 -1.0
LKR	Lokris	0.41 291 S	Sg	05 29 32.6 +0.2
LKR	comp=E, 480um, 0.1s		AML	05 29 34.0
LKR	comp=N, 612um, 0.1s			

1d 11h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Rameshah, Ganja, Dedoflistskaro, etc.

NCC 01 08:57:45.9.5.2, 49.666N, 72.95E, h0km, mb3.7, mpv3.3, 2C-5D, Error ellipse: s-maj=53.9km s-min=27.7km az=16.0, Suspected Mining explosion, Central Kazakhstan

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

DJA 01 09:38:48.3.0.9, 10.5°S, 11.9°E, h17km, 5km, M3.6/8, MLV3.6/8, Sumba region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WBSI, Waikabubak, S, etc.

IDC 01 09:43:56.2.4.4, 15°20'N, 89°14'W, h0km, mb3.3/2, mb1.3/7.4, mb1mx3.4/3.0, mbtmp3.3/4, ML3.6/2, MS3.0/1, Ms1.3/0.1, ms1mx2.6/1.4, Error ellipse: s-maj=73.9km s-min=18.8km az=153.0, Guatemala

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like APG, El Apazote, APG, etc.

NCC 01 09:58:33.9.3.6, 38°37'N, 71°35'E, h0km, mb3.8, mpv3.4, 6C-4D, Error ellipse: s-maj=25.6km s-min=19.9km az=22.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SFK, Sufi-Kurgan, SFK, etc.

IDC 01 10:09:33.1.1.6, 0.655S, 77.35W, h0km, mb3.7/4, mb1.3/9.5, mb1mx3.7/2.1, mbtmp3.7/5, ML3.9/1, Error ellipse: s-maj=77.6km s-min=23.3km az=42.0, Ecuador

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like LPAZ, La Paz, BDFB, etc.

IDC 01 10:11:01.6.1.2, 29.94N, 139.61E, h394km, 22km, mb3.1/2, mb1.3/1.5, mb1mx2.7/3.7, mbtmp3.8/5, Error ellipse: s-maj=74.2km s-min=17.1km az=72.0, Southeast of Honshu

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JHJ, Hachioji jima 2, JCJ, Chichijima, etc.

NEIC 01 10:15:16.0.0.0, 51.44N, 178.14W, h15km, ML3.5(AEIC), After AEIC, Andean/Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TASE, Tanaga Southea, TAPA, Tanaga Point A, etc.

MAN 01 10:30:36.7.5.91N, 126°23'E, h97km, mb4.8, ML3.7, MS3.6, ISCJB 01 11:05:12.9.0.6, 37°1N, 0.1, 133°7E, 0.1, h450km, mb3.0/1, Error ellipse: s-maj=10.6km s-min=4.8km az=7.0, IDC 01 10:30:38.6.1.0, 6.06N, 126.10E, h101km, 8km, mb3.7/6, mb1.4/0.8, mb1mx3.6/4.1, mbtmp4.2/8, MS3.1/2, Ms1.3/1.2, ms1mx2.5/3.6, Error ellipse: s-maj=52.2km s-min=12.9km az=68.0, DJA 01 10:30:39.8.0.5, 6°N, 4°E, h72km, 9km, M4.6/13, mb4.7/13, mb5.0/7, MLV4.8/8, Mw(mB)4.3/7, ISC 01 10:30:38.8.0.8, 6.05N, 10.04E, 126.25E, 0.08, h98km, 8km, n34, r182/40, mb4.1/6, 3D, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DDMP, Don Marcelino, MATI, Davao City (W), DAV, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DAV, DMPH, DMPH, Bagumbayan, Su, BIFP, Bislig, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MRSI, Marisa, LUWI, Luwuk, SANI, Sanana, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA, Warramunga Arr, JNU, Nakatsue, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ASAR, Alce Springs, ASAR, MKAR, Makanchi Array, etc.

MEX 01 10:39:58.8.0.3, 27.75N, 111.76W, h10km, MD3.6, Gulf of California

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SRIG, Santa Rosalia, GUYB, Guaymas, etc.

MEX 01 10:58:01.9.0.8, 15°36'N, 98°30'W, h3km, MD3.6, Off coast of Guerrero

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

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KTMS, Ketmen, DJR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MK31, Makanchi Array, PDGK, Podgornoye, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SHLS, Shalkode, MAKZ, Makanchi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like AAK, Ala-Archa, KURBB, Kurchatov Arra, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JOI, OKI, JKSM, Yasumi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JKS, Saijyo, JWT, Wachi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like USRK, Ussuriysk Arr, SONM, Songoing Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CEP, Cherat, CHCP, Chirah Chowk, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SARP, Sargodha, AML, Almayashu, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CHMS, Chumysh, USP, Osnovka, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like AKASG, FINES, DIVS, HHC, CLL, CMAR, NOA, TORD, ILAR, WRA, ASAR, and ASAR.

IDC 01 14:23:47.1±2.4,50.13S×110.65E, h0km, mb3.5/3, s-maj=56.7km s-min=52.8km az=147.0, Southeast

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ASAR, WRA, CMAR, and TXAR.

ISC/JB 01 14:36:09.2±0.4, 38°74'N-0°03:55:53E±0°04, h10km, mb3.1/2, Error ellipse: s-maj=5.3km s-min=3.5km az=33.4

IDC 01 14:36:09.4±1.5, 38°40'N-55:48E, h0km, mb3.1/2, mb1 3.5/3, mb1mx3.2/2.9, mbtbp3.3/3, ML3.3/1, MS2.1/1, Ms1 2.1/1, ms1mx2.0/1.6, Error ellipse: s-maj=24.3km s-min=10.8km az=21.0

TEH 01 14:36:10.1, 38°56'N-55:61E, h8km, ML3.6 NNC 01 14:36:16.6±1.1, 0, 39:02N-56:16E, h0km, mb3.9, Error ellipse: s-maj=10.4km s-min=5.9km az=43.0

AZER 01 14:36:17.4±6.3, 38°33'N-55:05E, h15km, mb3.9/2, Error ellipse: s-maj=41.1km s-min=34.3km az=86.0

ISC 01 14:36:10.2±0.6, 38°62'N-0°05:55:56E±0°04, h10km, n42, a215/45, 9C-9D, Iran-Turkmenistan border region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MRV, BJRD, GEYT, ISFR, IGLO, SHRO, IEMG, SBZV, IKRD, IAKL, ISHM, IAL, IPAY, IPRN, IFIR, ILAS, IMOG, IDMV, and IDMV.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like IMYA, TABS, KRSH, ANAR, LRK, TPVR, GRMI, XNQ, QASR, IRAM, GANJ, ORD, ZKTA, GDB, KBZ, AB31, AKTO, AKTO, KK31, KK31, MKAR, and AKASO.

IDC 01 15:04:09.4±1.3, 40°30'N-124:84E, h0km, mb3.4/3, mb1 3.6/4, mb1mx3.4/3.5, mbtbp3.6/4, ML4.5/1, MS3.1/1, Ms1 3.1/1, ms1mx2.4/2.3, Error ellipse: s-maj=67.6km s-min=22.4km az=75.0, Celebes Sea

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like DAV, WRA, ASAR, KRSR, and MKAR.

IDC 01 15:26:48.8±1.2, 10°73'S-113:77E, h0km, mb4.1/12, mb1 4.3/13, mb1mx4.1/32, mbtbp4.2/13, ML4.6/2, Error ellipse: s-maj=35.5km s-min=15.7km az=47.0

ISC/JB 01 15:26:51.0±0.4, 10°89'S-103:113:77E±0°03, h33km, mb4.2/15, Error ellipse: s-maj=4.9km s-min=4.0km az=4.5

NEIC 01 15:26:50.3±0.4, 10°76'S-113:78E, h10km, mb4.4/8, Error ellipse: s-maj=10.0km s-min=5.3km az=209.0

DJA 01 15:26:53.5±0.9, 11°56'N-114°41'E, h34km, 25km, M4.5/15, mb4.7/7, mb5.1/3, ML4.5/15, Mw(mB)4.4/3

ISC 01 15:26:52.7±0.5, 10°35'S-103:113:77E±0°05, h35km, n68, a193/77, mb4.2/15, South of Java

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like JAGI, IAGI, IAGI, IGSI, DNP, GMJI, SRBI, TWSI, BLJI, PWJI, PCJI, TWSI, KMI, KMI, UGM, UGM, PLAI, SMRI, WBSI, KPJI, EDFI, BKSI, MMRI, MMRI, BNSI, BNSI, CGJI, BATTI, BATTI, SOEI, MBWA, COCO, KKM, MTN, IPM, FAKI, SJI, WR1, WR1, WR1, WRA, WRAB, AS31, ASAR, and ASAR.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ASAR, CMAR, STKA, H08S2, H08S3, H08S1, GUN, DMN, KKN, GKN, KOLN, DANN, KSAR, KRSR, MAJO, MJAR, USRK, SONAO, SONM, MK32, MKAR, KK31, KKAR, ZAL, ZAA1, PETK, PEA1, BR101, BRTR, and T42A.

TAP 01 15:32:16.5, 23°47'N-120:89E, h9km±1km, ML1.0, ID, B, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ALS, CHN5, CHN5, TPUB, TPUB, CHN4, CHN4, ELDTW, ELDTW, SSLB, STYT, STYT, WTP, WTP, YULB, YULB, and EHY.

TAP 01 15:32:30.9, 23°85'N-120:94E, h7km, ML0.8, D, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SMLT, SMLT, SSLB, SSLB, TYC, TYC, TYC, CHN5, CHN5, ALS, ALS, and ALS.

ISC/JB 01 15:32:51.3±0.6, 28°82'N-103:139:6E±0.1, h42km, mb3.2/6, Error ellipse: s-maj=15.6km s-min=6.3km az=167.0

IDC 01 15:32:52.0±16.0, 28°79'N-139:70E, h416km±191km, mb3.0/6, mb1 3.3/6, mb1mx2.9/4.0, mbtbp3.8/6, Error ellipse: s-maj=51.8km s-min=9.5km az=83.0

JMA 01 15:32:52.8±0.1, 28°35'N-140:14E, h435km, M3.5

ISC 01 15:32:52.4±0.8, 28°85'N-103:139:7E±0.2, h424km, n15, a138/19, mb3.2/6, Bonin Islands region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like CBJJ, CBJJ, JHHJ, JHHJ, BSO1, BSO1, JHU, JHU, JRY, JRY, JAG, JAG, JHO, JHO, MKAR, WRA, ASAR, ILAR, and NVAR.

ISC/JB 01 15:54:03.7±0.4, 8°06'S-130:08E±0°04, h2km, mb4.1/6, Error ellipse: s-maj=6.3km s-min=4.5km az=7.3

IDC 01 15:54:03.6±1.2, 8°03'S-129:76E, h0km, mb3.9/5,

mb1 4.0/7, mb1mx3.8/26, mbtmp3.9/7, ML4.0/2, Error ellipse: s-maj=110.8km s-min=20.3km az=66.0...

NEIC 01 15:54:10.1±0.8, 8.2/7S, 129.93E, h64km, gm4.4/4, Error ellipse: s-maj=8.3km s-min=7.6km az=218.0...

ISC 01 15:54:05.7±0.6, 8.0/9S, 0.05±130.05E, 0.06, h22km, n32, c±218/36, mb3.9/6, Tanimbar Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists stations like SAUI Saumlaki, WBSI Waisakabau, etc.

ISK 01 15:55:23.9, 37.31N, 37.09E, h5km, ML1.9/5 ISCBJ 01 15:55:24.4±0.6, 37.29N±0.04, 37.09E±0.04, h9km, km6, Error ellipse: s-maj=7.2km s-min=4.7km az=30.7...

DDA 01 15:55:24.4, 37.41N, 37.15E, h7km, ML2.7 ISC 01 15:55:24.3±1.0, 37.32N±0.03, 37.12E±0.03, h10km, km8, n14, c±947/21, Turkey

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists stations like GAZ Gaziantep, KMRS Kahramanmaraş, etc.

NIED 01 16:08:00.40±10N, 142.10E, h56km, Mw3.5 Best double couple: M1, 980000, 1014 NP1±180, 00000, 818, 00000, 138, 00000, NP2±654, 00000, 879, 00000, 105, 00000...

JMA 01 16:08:36.9±0.1, 40.10N, 142.14E, h46km, km1, M3.6, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists stations like JTH Tanohata, JANG Nango, etc.

NIED 01 16:12:00.37±80N, 140.00E, h5km, Mw4.0 Best double couple: M1, 20000, 1015 NP1±302, 00000, 833, 00000, 101, 00000, NP2±617, 00000, 858, 00000, 173, 00000...

ISCJB 01 16:12:21.0±0.3, 37.82N±0.02, 140.00E±0.02, h17km, km2, mb4.3/61, MS3.0/1, Error ellipse: s-maj=3.9km s-min=2.8km az=143.8

JMA 01 16:12:21.0, 37.81N, 140.03E, h8km, km1, M4.2 Broadband fault plane solution: P waves, NP1: 183, 00000, 849, 00000, 185, 00000, NP2: 10, 00000, 841, 00000, 195, 00000, Principal axes: T P1g85, 00000, Azm51, 00000, N P1g4, 00000, Azm186, 00000, P P1g4, 00000, Azm276, 00000

MOS 01 16:12:22.1±0.1, 37.79N, 140.04E, h29km, mb4.6/21 Error ellipse: s-maj=9.0km s-min=6.1km az=77.8

NEIC 01 16:12:25.8±0.5, 37.79N, 139.91E, h42km, km4, mb4.4/31, Error ellipse: s-maj=5.9km s-min=4.0km az=130.0

NEIC Recorded [3 JMA] in Yamagata. IDC 01 16:12:25.4±2.2, 37.82N, 139.93E, h38km, 19km, mb3.9/25, mb1.4/131, mb1mx4.0/49, mbtmp4.1/31, ML3.2/6, MS3.0/4, Ms1.3/0.4, ms1mx2.6/36, Error ellipse: s-maj=15.4km s-min=10.1km az=114.0

ISC 01 16:12:21.5±0.8, 37.80N±0.03, 140.02E±0.02, h13km, km5, n160, 1335/176, mb4.4/61, 7C-11D, Eastern Honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists stations like JYAR Yonezawa, JYAR Otama, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists stations like JYS Yanaizu, JFY JFY, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists stations like KLR KLR, PETK Petropavlovsk, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists stations like ILB Eielson Array, SCRK Sand Creek, etc.

1d 17h

2012 OCT

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like ZIIG Zihuatanejo, MOIG Morelia, SLBS Sierra La Lagu, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like BELC Belle Mtn. Jos, NEE2 Needles Airpor, MURC Murata, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like CCUT Cedar City, PV11 East Vray Mesa, MPMC Manly Prospec, etc.

CBKS Cedar Bluff	21.06	16	eP	P	17 37 14.6	+0.8
CBKS Cedar Bluff	21.06	16	P	P	17 37 13.7	0.0
ISCO Idaho Springs	21.09	3	eP	P	17 37 15.2	+0.8
ISCO Idaho Springs	21.09	3	eP	P	17 37 15.2	+0.8
ISCO Idaho Springs	21.09	3	P	P	17 37 13.8	-0.6
WHAR Woolly Hollow	21.11	35	eP	P	17 37 15.1	+0.8
V40A Witts Springs	21.21	34	eP	P	17 37 15.6	+0.2
V40A Witts Springs	21.21	34	P	P	17 37 15.2	-0.2
PMPB Monarch Peak	21.26	328	eP	P	17 37 16.2	+0.2
247A Quitman	21.31	48	P	P	17 37 17.3	+0.9
U39A Green Forest	21.33	31	P	P	17 37 16.0	-0.6
146A Union	21.34	46	eP	P	17 37 18.1	+1.4
146A Union	21.34	46	P	P	17 37 17.5	+0.8
Z45A Winona	21.36	43	eP	P	17 37 18.3	+1.3
Z45A Winona	21.36	43	P	P	17 37 17.6	+0.6
X43A Marvell	21.37	39	eP	P	17 37 18.4	+1.4
X43A Marvell	21.37	39	P	P	17 37 17.6	+0.5
Y44A Strider, Charl	21.41	41	P	P	17 37 18.1	+0.7
O20A White River C	21.41	358	eP	P	17 37 17.9	+0.9
O20A White River C	21.41	358	P	P	17 37 17.4	-0.3
T38A Diamond	21.46	29	P	P	17 37 17.7	-0.3
348A Jackson	21.47	50	eP	P	17 37 19.9	+1.8
348A Jackson	21.47	50	P	P	17 37 19.2	+1.0
MLAC Mammoth, Mammo	21.51	334	P	P	17 37 17.0	-1.9
BOAB BOACO BROADBAN	21.52	104	eP	P	17 37 23.6	+4.8
W42A Bald Knob	21.53	37	P	P	17 37 18.7	-0.1
V41A Mountainview	21.55	35	P	P	17 37 18.9	-0.1
U40A Yellville	21.62	33	P	P	17 37 18.6	-1.1
MPU Maple Canyon	21.63	350	eP	P	17 37 20.9	+0.9
449A Pace	21.64	52	P	P	17 37 18.8	-1.3
NLU North Lily Min	21.64	350	eP	P	17 37 20.9	+0.7
Z46A Louisville	21.75	45	P	P	17 37 21.8	+0.7
Y45A Yeager Farm, C	21.77	43	P	P	17 37 21.9	+0.6
X44A Crenshaw	21.80	40	P	P	17 37 21.6	-0.1
W43A Forest City	21.87	38	P	P	17 37 22.7	+0.3
T39A Clever	21.89	31	P	P	17 37 22.1	-0.5
147A Livingston	21.90	47	eP	P	17 37 23.9	+1.1
147A Livingston	21.90	47	P	P	17 37 23.4	+0.7
NV11 Mina Array Sit	21.93	336	eP	P	17 37 23.5	+0.3
248A Dixon Mill	21.95	49	P	P	17 37 23.7	+0.4
349A Repton	21.95	51	P	P	17 37 25.4	+2.0
BRAL Brewton	21.97	52	P	P	17 37 24.5	+1.0
NV01 Mina Array Sit	21.98	336	eP	P	17 37 23.6	-0.3
NVAR Mina Array Bea	21.98	336	P	P	17 37 23.7	-0.1
NVAR Cord	21.99	36	P	LR	17 45 15.4	
DUG Dugway, Tooele	22.01	348	eP	P	17 37 24.5	+0.4
DUG Dugway, Tooele	22.01	348	eP	P	17 37 24.5	+0.4
DUG Dugway, Tooele	22.01	348	P	P	17 37 24.4	+0.3
SAO San Andreas Ge	22.01	328	eP	P	17 37 24.3	+0.3
SAO San Andreas Ge	22.01	328	eP	P	17 37 24.3	+0.3
U41A Viola	22.10	34	P	P	17 37 24.2	-0.6
S38A Stockton	22.13	29	P	P	17 37 24.3	-0.8
N23A Red Feather La	22.17	2	eP	P	17 37 26.2	+0.3
N23A Red Feather La	22.17	2	P	P	17 37 25.9	0.0
JLU Jordanelle	22.18	351	eP	P	17 37 26.2	+0.2
X45A UM Field Stati	22.22	42	P	P	17 37 26.1	-0.2
Y46A Houston	22.22	43	P	P	17 37 26.3	0.0
RYN Ryan	22.24	336	eP	P	17 37 26.7	+0.1
OXF Oxford	22.27	41	eP	P	17 37 27.5	+0.8
OXF Oxford	22.27	41	eP	P	17 37 27.5	+0.8
OXF Oxford	22.27	41	P	P	17 37 26.1	-0.6
KSU1 Kansas State U	22.29	22	eP	P	17 37 32.3	+5.4
KSU1 Kansas State U	22.29	22	P	P	17 37 26.3	-0.6
CTU Camp Tracy	22.31	351	eP	P	17 37 27.9	+0.6
249A Camden	22.33	50	P	P	17 37 27.4	0.0
Z47A Carrollton	22.34	46	P	P	17 37 27.5	0.0
148A Greensboro	22.37	48	P	P	17 37 27.2	-0.6
148A Mansfield	22.41	32	P	P	17 37 26.8	-1.4
W44A Shelby Farms P	22.43	40	P	P	17 37 27.8	-0.6
S39A Bolivar	22.45	30	eP	P	17 37 28.6	-0.1
S39A Bolivar	22.45	30	P	P	17 37 28.5	-0.1
KVN Kaysville	22.45	337	eP	P	17 37 29.0	+0.2
V43A Jonesboro	22.45	37	P	P	17 37 28.2	-0.5
U42A Rearden	22.47	35	P	P	17 37 28.4	-0.5
WAKR Walker	22.50	334	eP	P	17 37 29.8	+0.4
CMB Columbia Colle	22.52	332	eP	P	17 37 28.3	-1.2
CMB Columbia Colle	22.52	332	eP	P	17 37 28.3	-1.2
PHWY Pilot Hill	22.60	3	eP	P	17 37 30.7	+0.1
OGNE Ogallala	22.62	10	P	P	17 37 33.5	+3.0
OGNE Ogallala	22.62	10	P	P	17 37 29.9	-0.6
350A Dozier	22.63	52	P	P	17 37 30.6	0.0
TCUT Toone Canyon	22.68	351	eP	P	17 37 31.8	+0.4
451A Vernon	22.70	54	P	P	17 37 31.4	+0.1
T41A Mountain View	22.71	33	P	P	17 37 30.4	-1.0
BGU Big Grassy Mou	22.76	348	eP	P	17 37 32.2	+0.1
Z48A Northport	22.79	46	P	P	17 37 31.9	-0.4
X46A Booneville	22.82	42	P	P	17 37 31.4	-1.2
W45A Hickory Valley	22.83	40	P	P	17 37 32.2	-0.5
YERR Yerington	22.83	335	eP	P	17 37 33.0	+0.1
552A Lynn Haven	22.84	56	P	P	17 37 32.7	-0.1
V44A Blytheville	22.86	38	P	P	17 37 31.7	-1.2
GNAR Gosnell	22.88	38	eP	P	17 37 35.1	+1.9
149A Jones	22.89	49	P	P	17 37 33.0	-0.3
Y47A UCARC, Winfie	22.90	45	P	P	17 37 32.8	-0.6
RWWY Rawlins	22.94	360	eP	P	17 37 34.7	+0.6
U43A Rector	22.95	36	P	P	17 37 32.8	-1.1
250A Grady	22.95	51	eP	P	17 37 34.9	+0.9
250A Grady	22.95	51	P	P	17 37 33.7	-0.3
JTS JuntasAbangare	22.96	108	P	P	17 37 39.9	+5.6
JTS JuntasAbangare	22.96	108	eP	P	17 37 37.0	+2.7
JRS Juntas Abangare	22.96	108	eP	P	17 37 36.6	+2.3
LRAL Lakeview Retre	22.98	48	eP	P	17 37 33.8	-0.5
LRAL Lakeview Retre	22.98	48	P	P	17 37 34.0	-0.3
T42A Van Buren	23.05	34	eP	P	17 37 34.2	-0.8
T42A Van Buren	23.05	34	P	P	17 37 34.1	-0.8
PNTR Pin Nut	23.07	334	eP	P	17 37 35.7	+0.3
351A Pinckard	23.11	53	P	P	17 37 35.5	-0.1
S41A Jillico Farms,	23.13	32	P	P	17 37 34.4	-1.4
HWUT Hardware Ranch	23.18	351	eP	P	17 37 36.1	-0.4
PBMO Poplar Bluff	23.23	36	eP	P	17 37 36.6	-0.1
452A Marianna	23.23	54	P	P	17 37 37.1	+0.2
VCNR Virginia City	23.26	335	eP	P	17 37 38.1	+0.7
RUBR Rubicon Trail	23.27	334	eP	P	17 37 38.1	+0.7
X47A Russellville	23.27	43	P	P	17 37 36.8	-0.4
W46A Micah	23.32	42	P	P	17 37 37.2	-0.5
Q38A Cooks Store, C	23.35	27	P	P	17 37 36.8	-1.2
V45A Humboldt	23.36	40	P	P	17 37 37.1	-1.0
Y48A Jasper	23.36	46	P	P	17 37 37.3	-0.9
BMN Battle Mountain	23.38	340	eP	P	17 37 38.1	-0.4
BMN Battle Mountain	23.38	340	eP	P	17 37 38.1	-0.4
BMN Battle Mountain	23.38	340	P	P	17 37 38.1	-0.4
Z49A Columbiana	23.40	48	P	P	17 37 38.2	-0.4
PLAL Pickwick Lake	23.41	42	eP	P	17 37 38.5	-0.2
U44A Portageville	23.45	37	P	P	17 37 38.4	-0.6
150A Eclectic	23.45	50	P	P	17 37 38.8	-0.2
PAHR Pah Ranch Range	23.51	336	eP	P	17 37 39.9	+0.2
GLAT Glass	23.52	38	eP	P	17 37 41.9	+2.2
T43A Greenville	23.53	35	P	P	17 37 39.1	-0.7
U44B Burton Farm, H	23.53	38	P	P	17 37 39.4	-0.4
AFDM Forest Hills D	23.53	332	eP	P	17 37 39.7	-0.2
553A Crawfordville	23.54	57	P	P	17 37 39.6	-0.4
HVU Hansel Valley	23.54	349	eP	P	17 37 40.3	+0.3
HVU Hansel Valley	23.54	349	eP	P	17 37 40.3	+0.3
251A Midway	23.64	51	P	P	17 37 40.9	0.0
352A Blakely	23.71	53	eP	P	17 37 42.5	+0.8
352A Blakely	23.71	53	P	P	17 37 41.5	-0.2
S42A Caledonia	23.76	33	P	P	17 37 41.2	-0.8
X48A Hartselle	23.76	45	eP	P	17 37 41.9	-0.2
X48A Hartselle	23.76	45	P	P	17 37 41.4	-0.7
Y49A Blount Mountai	23.85	47	eP	P	17 37 42.0	-1.0
Y49A Blount Mountai	23.85	47	P	P	17 37 42.3	-0.7
Z50A Ashland	23.86	48	eP	P	17 37 43.5	+0.4
Z50A Ashland	23.86	48	P	P	17 37 43.0	-0.1
R41A Rosebud	23.86	32	P	P	17 37 42.2	-0.9
U45A Rockley Farm,	23.88	39	P	P	17 37 42.8	-0.4
W47A Westpoint	23.89	42	P	P	17 37 42.7	-0.6
453A Whigham	23.91	55	P	P	17 37 43.7	+0.2
K22A Casper	23.91	1	eP	P	17 37 43.7	+0.1
K22A Casper	23.91	1	P	P	17 37 42.8	-0.8
V46A Holladay	23.91	41	P	P	17 37 42.3	-1.2
T44A Benton	23.91	36	P	P	17 37 42.9	-0.6
151A Opeka	23.92	51	P	P	17 37 42.7	-0.9
S43A Fulton Ridge,	24.00	35	P	P	17 37 43.4	-0.9
BEKR Beckwith	24.04	334	eP	P	17 37 44.8	-0.1
554A Perry	24.09	57	P	P	17 37 45.0	-0.3
252A Lumpkin	24.10	52	P	P	17 37 45.0	-0.3
BW06 Boulder Array	24.11	356	eP	P	17 37 44.2	-1.5
BW06 Boulder Array	24.11	356	P	P	17 37 44.4	-1.2
PD31 Pinedale Array	24.11	356	eP	P	17 37 44.5	-1.1
PDAR Pinedale Array	24.11	356	P	LR	17 46 39.2	
PDAR Pinedale Array	24.11	356	eP	P	17 37 42.9	-2.7
R42A Luebering	24.15	33	P	P	17 37 44.8	-0.9
353A Camilla	24.20	54	P	P	17 37 46.3	0.0
655A Horseshoe Beac						

WDC	Whiskeytown Da	25.56	332	eP	P	17 37 56.8	-1.7
WDC	Whiskeytown Da	25.56	332	eP	P	17 37 56.8	-1.7
WDC	comp-Z,24nm,1.4s			pmax	pmax		
Z53A	Monticello	25.57	51	P	P	17 37 58.3	-0.4
HLID	Hailey	25.57	348	eP	P	17 37 58.7	-0.2
HLID	Hailey	25.57	348	eP	P	17 37 58.7	-0.2
154A	Montrose	25.61	52	eP	P	17 38 00.0	+1.0
154A	Montrose	25.61	52	eP	P	17 37 58.5	-0.5
959A	Okechobee	25.61	65	P	P	17 37 60.0	+0.9
US1A	University of	25.62	37	eP	P	17 37 59.8	+0.7
L36A	Harm Buss Farm	25.63	22	P	P	17 37 58.5	-0.6
060Z	West Palm Beac	25.64	68	P	P	17 37 59.9	+0.5
WVOR	Wild Horse Val	25.64	340	eP	P	17 37 59.1	-0.3
WVOR	Wild Horse Val	25.64	340	eP	P	17 37 59.1	-0.3
WVOR	comp-Z,64nm,1.1s			pmax	pmax		
557A	Orange Park	25.65	59	P	P	17 37 59.2	-0.2
456A	Hilliard	25.66	57	P	P	17 37 59.5	-0.1
W51A	Cleveland	25.71	46	P	P	17 37 59.1	-0.9
GOGA	Godfrey	25.71	51	eP	P	17 38 00.2	+0.2
GOGA	Godfrey	25.71	51	eP	P	17 38 00.2	+0.2
GOGA	comp-Z,35nm,1.1s			pmax	pmax		
GOGA	Godfrey	25.71	51	P	P	17 37 59.4	-0.5
859A	Kempfer Cattle	25.74	64	P	P	17 38 00.6	+0.4
758A	Lake Helen	25.74	62	P	P	17 37 59.9	-0.3
MOD	Modoc Plateau	25.75	337	eP	P	17 37 59.7	-0.8
V50A	Pikeville	25.77	44	P	P	17 37 60.0	-0.5
255A	Hazlehurst	25.79	54	eP	P	17 38 02.9	+2.2
255A	Hazlehurst	25.79	54	eP	P	17 38 00.5	-0.2
356A	Blackhear	25.81	56	P	P	17 38 00.1	-0.8
T48A	Bowling Green	25.81	40	P	P	17 38 00.5	-0.3
H17A	Grant Village	25.82	354	eP	P	17 37 55.7	-5.4
H17A	Grant Village	25.82	354	eP	P	17 38 01.1	0.0
KMRM	Mali Ridge	25.82	330	eP	P	17 38 01.4	+0.5
N40A	Mertquake, Sal	25.82	28	P	P	17 38 00.4	-0.5
P43A	Skaggs, Pawnee	25.82	32	P	P	17 38 00.3	-0.6
U49A	Red Boiling Sp	25.83	42	P	P	17 38 00.3	-0.7
658A	Bunnell	25.84	61	P	P	17 38 00.7	-0.5
S47A	Hartford	25.84	39	P	P	17 38 00.7	-0.3
Y23A	Monroe	25.84	50	P	P	17 38 00.6	-0.5
R46A	Gibson Southern	25.88	37	P	P	17 38 01.4	-0.1
OL1L	Olney	25.91	36	eP	P	17 38 02.0	+0.3
060A	Indiantown	25.95	66	P	P	17 38 01.7	-0.5
N02D	Trinity Center	25.95	332	P	P	17 38 00.3	-1.9
LKWY	Lake	25.97	355	eP	P	17 38 03.6	+1.1
LKWY	Lake	25.97	355	eP	P	17 38 03.6	+1.1
LKWY	comp-Z,22nm,1.1s			pmax	pmax		
O42A	Bath	25.97	31	P	P	17 38 01.6	-0.6
O45A	Warren Harvey,	26.00	35	P	P	17 38 02.2	-0.3
457A	Yulee	26.00	58	P	P	17 38 02.0	-0.6
X52A	Dahlonega	26.00	48	P	P	17 38 02.0	-0.7
N41A	Harden Midland	26.01	29	eP	P	17 38 02.0	-0.6
N41A	Harden Midland	26.01	29	P	P	17 38 01.7	-0.9
CPCT	Cooper Cave	26.03	46	eP	P	17 38 02.8	0.0
Z54A	Sparta	26.09	51	P	P	17 38 02.7	-0.7
YMR	Madison River	26.12	354	eP	P	17 38 04.5	+0.6
P44A	Sand Creek, W	26.16	34	P	P	17 38 03.2	-0.8
K36A	Gilmore City	26.18	21	P	P	17 38 03.5	-0.6
YHB	Horse Butte	26.23	353	eP	P	17 38 04.7	-0.1
YHH	Holmes Hill	26.23	354	eP	P	17 38 04.8	-0.1
W52A	Murphy	26.24	47	eP	P	17 38 05.0	+0.1
W52A	Murphy	26.24	47	P	P	17 38 04.1	-0.7
M04C	Macdoel	26.25	334	P	P	17 38 04.0	-1.0
256A	Glennville	26.26	55	P	P	17 38 04.4	-0.6
QLMT	Earthquake Lak	26.34	353	eP	P	17 38 06.5	+0.7
KHMM	Horse Mountain	26.34	331	eP	P	17 38 06.1	+0.3
V51A	Loudon	26.34	45	eP	P	17 38 05.6	-0.1
V51A	Loudon	26.34	45	P	P	17 38 05.0	-0.7
T49A	Edmonton	26.35	41	eP	P	17 38 06.0	+0.3
T49A	Edmonton	26.35	41	P	P	17 38 05.2	-0.5
357A	Townsend	26.36	56	P	P	17 38 05.6	-0.2
M02C	Callahan	26.36	333	P	P	17 38 04.8	-1.1
S48A	Wiedeman Farm,	26.37	40	P	P	17 38 05.6	-0.3
U50A	Jameson	26.37	43	P	P	17 38 05.2	-0.8
X53A	Estanolle	26.37	49	P	P	17 38 05.8	-0.2
O43A	Sugar Creek Fa	26.42	32	P	P	17 38 05.1	-1.1
J08A	Circle Bar Ran	26.43	341	eP	P	17 38 06.1	-0.3
RLMT	Red Lodge	26.44	357	eP	P	17 38 06.3	-0.4
RLMT	Red Lodge	26.44	357	P	P	17 38 05.1	-1.6
N42A	Yates City	26.48	30	P	P	17 38 05.5	-1.3
ECSD	EROS Data Cent	26.49	17	P	P	17 38 06.7	-0.3
ECSD	EROS Data Cent	26.49	17	P	P	17 38 06.3	-0.8
Y54A	Tignal	26.50	50	P	P	17 38 06.3	-0.8
R47A	Woody Knot Far	26.51	38	P	P	17 38 07.1	0.0
MCMT	McKenzie Canyo	26.52	351	eP	P	17 38 08.0	+0.5
YBH	Yreka Blue Hor	26.58	333	P	P	17 38 05.6	-2.2
YBH	Yreka Blue Hor	26.58	333	P	P	17 48 15.8	
YBH	comp-Z,11m,0.9s,baz=156,slow=36			LR	LR		

WCI	Wyandotte Cave	26.60	39	eP	P	17 38 07.8	-0.1
WCI	Wyandotte Cave	26.60	39	eP	P	17 38 07.8	-0.1
WCI	comp-Z,38nm,1.1s			pmax	pmax		
WCI	Wyandotte Cave	26.60	39	P	P	17 38 07.9	-0.1
Z55A	Blythe	26.61	52	P	P	17 38 07.3	-0.8
HDIL	Hopedale	26.63	31	eP	P	17 38 06.9	-1.3
HDIL	Hopedale	26.63	31	P	P	17 38 06.8	-1.3
TKL	Tuckaleechee C	26.65	46	eP	P	17 38 08.3	-0.1
TKL	Tuckaleechee C	26.65	46	eP	P	17 50 46.7	
TKL	comp-Z,85nm,20.0s,baz=244,slow=41			LR	LR		
TKL	Tuckaleechee C	26.65	46	eP	P	17 38 08.3	-0.1
TKL	Tuckaleechee C	26.65	46	eP	P	17 38 08.4	-0.1
TKL	comp-Z,20nm,1.0s			pmax	pmax		
L39A	Vinton	26.66	26	P	P	17 38 08.5	0.0
P45A	Graceland, Par	26.67	35	P	P	17 38 07.9	-0.7
K05A	Summer Lake	26.69	337	eP	P	17 38 08.8	-0.1
T50A	Nancy	26.73	42	P	P	17 38 08.6	-0.6
O44A	Mansfield	26.74	33	P	P	17 38 08.1	-1.1
L04D	Klamath Falls	26.81	334	P	P	17 38 07.7	-2.3
W53A	Cullowhee	26.81	47	P	P	17 38 09.3	-0.8
156A	Sylvania	26.84	54	P	P	17 38 10.1	-0.1
V52A	Sevierville	26.87	46	eP	P	17 38 10.4	-0.1
V52A	Sevierville	26.87	46	P	P	17 38 10.1	-0.4
BG3	Lake Cassee	26.88	48	eP	P	17 38 11.5	+0.9
U51A	La Follette	26.89	44	P	P	17 38 09.9	-0.8
S49A	Springfield	26.92	41	P	P	17 38 10.0	-0.9
K04D	Chiloquin, OR	26.93	336	P	P	17 38 10.3	-0.7
L40A	Anamosa	26.94	27	P	P	17 38 11.0	0.0
DLMT	Dillon	27.01	351	eP	P	17 38 11.9	+0.2
BOZ	Bozeman (W)	27.11	353	eP	P	17 38 12.5	-0.2
BOZ	Bozeman (W)	27.11	353	eP	P	17 38 12.5	-0.2
BOZ	comp-Z,36nm,1.3s			pmax	pmax		
BOZ	Bozeman (W)	27.11	353	P	P	17 38 12.4	-0.3
GCMT	Greycliff	27.13	356	eP	P	17 38 12.5	-0.3
K39A	Oelwein	27.20	25	P	P	17 38 12.7	-0.6
O45A	Potomac	27.20	34	P	P	17 38 12.3	-1.0
L41A	Preston	27.26	28	P	P	17 38 12.9	-1.0
T51A	Greene	27.28	43	P	P	17 38 13.4	-0.7
J05D	Fort Rock, OR	27.30	337	P	P	17 38 13.9	-0.4
TZTN	Tazewell	27.30	45	eP	P	17 38 14.4	+0.1
TZTN	Tazewell	27.30	45	P	P	17 38 13.9	-0.4
L02D	Cave Junction,	27.31	333	P	P	17 38 13.1	-1.2
R49A	Shelbyville	27.31	40	P	P	17 38 13.8	-0.6
V53A	Saluda	27.32	47	eP	P	17 38 14.8	+0.3
V53A	Saluda	27.32	47	P	P	17 38 14.1	-0.5
N44A	Piper City	27.39	32	P	P	17 38 14.4	-0.6
Q48A	Not Vernon	27.39	38	P	P	17 38 14.8	-0.3
I07A	Izee	27.40	340	eP	P	17 38 16.4	+1.2
S50A	Richmond	27.41	42	P	P	17 38 14.7	-0.6
LRM	Limekiln Ridge	27.44	352	eP	P	17 38 15.4	+0.3
BMO	Blue Mountains	27.47	344	eP	P	17 38 14.8	-1.0
BMO	Blue Mountains	27.47	344	eP	P	17 38 14.8	-1.0
M43A	Waltham Townsh	27.47	30	P	P	17 38 14.5	-1.2
L42A	Oliver, Polo	27.58	29	eP	P	17 38 16.2	-0.5
L42A	Oliver, Polo	27.58	29	P	P	17 38 15.5	-1.2
J04D	Umpqua Nationa	27.59	336	P	P	17 38 16.4	-0.6
SF1N	Lafayette	27.63	34	eP	P	17 38 17.1	-0.1
SF1N	Lafayette	27.63	34	P	P	17 38 16.3	-0.9
P1NE	Pine Mountain	27.63	338	eP	P	17 38 17.1	-0.3
J5C	Jenkinsville	27.74	51	eP	P	17 38 18.8	+0.6
J5C	Jenkinsville	27.74	51	eP	P	17 38 18.8	+0.6
J5C	comp-Z,23nm,1.1s			pmax	pmax		
N45A	Kentland	27.75	33	P	P	17 38 17.4	-0.9
K02D	Willamette Mer	27.77	333	P	P	17 38 17.4	-1.2
K41A	Shullsburg	27.78	27	P	P	17 38 17.4	-1.1
R50A	Beattyville	27.82	41	P	P	17 38 18.2	-0.7
S51A	Beattyville	27.90	43	eP	P	17 38 18.8	+0.2
S51A	Beattyville	27.90	43	P	P	17 38 18.7	-1.0
Q49A	Aurora	27.94	39	P	P	17 38 19.5	-0.5
LAO	LASA Array	27.95	1	eP	P	17 38 19.2	-0.9
LAO	LASA Array	27.95	1	P	P	17 38 18.9	-1.1
T52A	Hallie	27.99	44	P	P	17 38 19.2	-1.3
O47A	Sheridan	28.03	36	P	P	17 38 19.7	-1.0
KM5C	Kings Mountain	28.09	49	P	P	17 38 19.2	-2.3
I04A	Tendick Farm,	28.17	336	P	P	17 38 21.0	-1.1
HRY	Holter Researc	28.24	353	eP	P	17 38 22.2	-0.5
I05D	Terrebonne, OR	28.25	338	P	P	17 38 21.9	-0.8
S52A	Salyersville	28.25	43	P	P	17 38 22.3	-0.5
J01D	Myrtle Point	28.26	333	P	P	17 38 21.9	-0.9
R51A	Hillsboro	28.30	41	P	P	17 38 22.6	-0.6
G08A	Pilot Rock	28.33	342	eP	P	17 38 23.5	0.0
K42A	Prairie Point,	28.34	28	P	P	17 38 22.0	-1.5
P49A	Miami Univ. Ec	28.39	38	P	P	17 38 23.2	-0.8
Q50A	Georgetown	28.39	40	P	P	17 38 23.4	-0.6
I03D	Drain, OR	28.46	335	P	P	17 38 23.8	-0.8
MSO	Missoula	28.64	350	eP	P	17 38	

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like Nuku Hiva Isla, Yellowknife Ar, Mauna Loa Obse, etc.

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

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like OGRR Ongureny, SYVR Suvo, TRG Tyrgan, etc.

MOS 01 17:48:31.6i, 1.3, 53:31N; 108:61E, h10km, mb4.2/8, Error ellipse: s-maj=9.8km s-min=6.9km az=61.3
MOS Felt (I) at Ongureny.
IDC 01 17:48:31.4i, 1.0, 53:30N; 108:46E, h0km, mb3.8/5, mb1 3.9/9, mb1mx3.6/51, mb1mp3.8/9, ML3.2/4, MS3.8/6, MS1 3.8/6, ms1mx3.2/38, Error ellipse: s-maj=23.0km s-min=17.3km az=107.0
BYKL 01 17:48:32.7, 0.2, 53:29N; 108:49E, h15km, 3km, Felt MSK at Onguren.
BUI 01 17:48:32.1, 53:26N; 109:07E, h9km, mb4.2/3, MB4.2/1, Ms4.3/2, Ms7 4.0/3
ISC 01 17:48:32.3, 0.5, 53:26N; 108:65E, 0:02, h10km, n77, c=237/130, mb4.0/8, MS4.1/5, 8C-10D, Lake Baykal region

DANN Danging	40.53 329 eP	ScP	18 07 43.5 +0.1
PMG Port Moresby	40.72 97 P	P	18 02 13.5 +0.4
PYUN Piuthan	40.73 328 eP	P	18 02 10.9 -2.3
PYUN Piuthan	40.73 328 eP	ScP	18 07 44.2 +0.1
CTA Charters Tower	41.30 114 P	P	18 02 18.4 +0.7
CTA Charters Tower	41.30 114 eP	pP	18 02 57.5 +1.6
CTAO Charters Tower	41.30 114 eP	P	18 02 18.2 +0.5
STKA Stephens Creek	41.83 132 P	P	18 02 23.6 +1.7
JNU Nakatusu	45.54 22 P	P	18 02 50.9 -0.6
KSAR Wonju Array	47.85 23 P	P	18 03 09.8 +0.6
KSRS Korea Array	47.88 23 P	P	18 03 09.8 +0.4
MJAR Matsushiro Arr	51.98 33 P	P	18 03 38.6 -1.9
SONM Songino Array	53.73 0 P	P	18 03 53.4 +0.2
SONM WSAR Wadi Sarin	54.84 30.5 P	ScP	18 08 36.3 -1.8
WSAR Wadi Sarin	54.84 30.5 P	P	18 04 02.6 +1.0
USRK Ussuriysk Ar.	55.24 22 P	P	18 04 03.6 -0.3
MKAR Makanchi Array	56.80 341 P	P	18 04 13.8 -1.2
MKAR Ambohitrampom	58.70 252 P	ScP	18 08 51.1 -0.4
OPO Mont Dumac	60.20 112 P	P	18 04 31.7 +2.7
DZM Ar Rayan	66.11 299 eP	P	18 05 17.4 -0.6
KMBO Kilima Mbogo	68.92 271 P	P	18 05 37.1 +1.1
PETK Petropavlovsk	73.24 30 P	P	18 06 00.2 -0.6
KBZ Khabaz	75.46 318 P	P	18 06 13.5 -0.3
VNDA Vanda	76.97 169 P	P	18 06 23.6 +1.8
BOSA Boshof	79.13 242 P	P	18 06 36.3 +1.4
BRTR Keskin Array B	80.64 312 P	P	18 06 42.5 -0.2
NVAR Mina Array Bea	28.53 45 PKP	PKPpdf	18 13 37.7 +1.8
NVAR	SKPbc	SKPbc	18 16 40.0
SCHO Schrefferville	131.11 355 SKPbc	SKPbc	18 16 47.2 -0.9
PDAR Pinedale Array	131.77 35 PKP	PKPpdf	18 13 43.4 +1.5
PDAR	SKPbc	SKPbc	18 16 49.2 -2.1
TXAR Lajitas Array	143.60 47 PKP	PKPbc	18 14 02.7 +1.0
TXAR	pPKPpdf	pPKPpdf	18 14 50.6 +0.4
TXAR	SKIPK	SKIPK	18 17 26.9 0.0
C39A Bolivar	143.92 27 P	PKPbc	18 14 02.1 -0.2
SUPR Villa Florida	143.98 206 PKP	PKPpdf	18 14 04.1 -0.3
T38A Diamond	144.01 28 P	PKPab	18 14 01.7 -0.3
R41A Rosebud	144.24 24 P	PKPab	18 14 02.5 -0.3
T39A Clever	144.44 27 P	PKPab	18 14 03.1 -0.6
R42A Luebbeling	144.49 23 P	PKPab	18 14 02.9 -0.8
S41A Jilico Farms,	144.69 25 P	PKPab	18 14 03.4 -0.2
T40A Mansfield	144.72 26 P	PKPab	18 14 03.9 -0.8
R43A Red Bud	144.82 22 P	PKPab	18 14 04.4 -0.6
Q49A Warren Harvey,	144.90 20 P	PKPbc	18 14 05.2 0.0
U35A Green Forest	144.92 28 P	PKPbc	18 14 04.6 -0.8
S42A Caledonia	144.93 24 P	PKPbc	18 14 04.5 -0.9
T41A Mountain View	145.14 26 P	PKPbc	18 14 05.4 -0.6
R44A Waltonville	145.16 21 P	PKPbc	18 14 05.2 -0.8
U40A Yellville	145.23 27 P	PKPpdf	18 14 05.7 -0.6
V39A Pettigrew	145.28 29 P	PKPpdf	18 14 05.8 -0.7
S43A Fulton Ridge,	145.38 23 P	PKPpdf	18 14 06.4 -0.2
R45A Skylar, Fairri	145.40 20 P	PKPpdf	18 14 06.1 -0.4
Q47A Bedord North L	145.41 17 P	PKPpdf	18 14 06.4 -0.1
T42A Van Buren	145.44 25 P	PKPpdf	18 14 06.2 -0.5
JCT Junction City	145.61 42 eP	PKPab	18 14 08.3 0.0
Q48A North Vernon	145.62 17 P	PKPpdf	18 14 06.8 -0.1
U41A Viola	145.66 26 P	PKPpdf	18 14 07.1 0.0
T43A Greenville	145.72 24 P	PKPpdf	18 14 06.8 -0.3
Q49A Aurore	145.78 15 P	PKPpdf	18 14 07.1 -0.1
S45A Carrier Mills	145.85 21 P	PKPpdf	18 14 07.4 +0.1
U42A Reviden	145.95 26 P	PKPbc	18 14 08.1 -0.5
V41A Mountainview	146.02 27 P	PKPpdf	18 14 08.0 +0.2
X39A Fountain Ranch	146.10 31 P	PKPbc	18 14 09.2 +0.1
MIAR Mount Ida	146.35 30 P	PKPbc	18 14 09.6 -0.2
R49A Shelbyville	146.37 16 P	PKPbc	18 14 09.4 -0.3
R50A Paris	146.61 15 P	PKPbc	18 14 10.0 -0.4
T46A Princeton	146.66 21 P	PKPbc	18 14 10.3 -0.2
S48A Wiedeman Farm,	146.70 18 P	PKPpdf	18 14 09.7 +0.9
T47A Sharon Grove	146.98 20 P	PKPbc	18 14 10.9 -0.5
T48A Bowling Green	147.10 19 P	PKPbc	18 14 11.5 -0.3
U47A Clarksville	147.41 20 P	PKPbc	18 14 12.3 -0.4
WVT Waverly	147.50 21 P	PKPbc	18 14 12.7 -0.2
U48A Cassie Pea, Po	147.60 19 P	PKPbc	18 14 12.8 -0.4
T50A Nancy	147.65 17 P	PKPbc	18 14 12.6 -0.7
V46A Holladay	147.68 22 P	PKPbc	18 14 12.6 -0.8
U49A Red Boiling Sp	147.84 18 P	PKPbc	18 14 13.2 -0.6
V47A Nunnelly	147.88 21 P	PKPbc	18 14 13.4 -0.5
U48A Smith Brothers	148.20 20 P	PKPbc	18 14 14.1 -0.7
V45A Jamestown	148.21 17 P	PKPbc	18 14 14.4 -0.5
OXF Oxford	148.30 25 P	PKPbc	18 14 14.6 -0.5
W47A Westpoint	148.37 22 P	PKPbc	18 14 14.7 -0.5
V44A Strider, Charl	148.42 27 P	PKPbc	18 14 15.3 -0.1
TZTN Tazewell	148.45 15 P	PKPbc	18 14 14.9 -0.6
V49A McMinnville	148.49 19 P	PKPbc	18 14 14.8 -0.8

W48A Pulaski	148.71 21 P	PKPbc	18 14 15.5 -0.6
Y45A Yeager Farm, C	148.79 26 P	PKPbc	18 14 16.5 +0.1
Y50A Pikeville	148.83 18 P	PKPbc	18 14 16.0 -0.4
X47A Russelville	148.92 23 P	PKPbc	18 14 15.7 -0.9
V51A Loudon	148.93 17 P	PKPbc	18 14 16.4 -0.2
W49A Belvidere	148.96 20 P	PKPbc	18 14 16.3 -0.5
Y46A Houston	149.07 25 P	PKPbc	18 14 16.8 -0.2
V52A Sevierville	149.10 16 P	PKPbc	18 14 17.0 -0.1
W50A Signal Mountai	149.20 19 P	PKPbc	18 14 16.9 -0.5
X48A Hartselle	149.28 22 P	PKPbc	18 14 16.7 -0.9
W51A Cleveland	149.40 18 P	PKPbc	18 14 17.8 -0.1
Y47A UCPARC, Winfie	149.46 23 P	PKPbc	18 14 17.5 -0.6
V53A Saluda	149.46 14 P	PKPbc	18 14 18.0 -0.1
X49A Woodville	149.49 21 P	PKPbc	18 14 17.5 -0.6
W52A Murphy	149.71 17 P	PKPbc	18 14 18.7 0.0
Y48A Jasper	149.72 22 P	PKPbc	18 14 17.9 -0.8
VBMS Vicksburg	149.73 29 P	PKPbc	18 14 19.3 +0.6
X50B Fort Payne	149.76 20 P	PKPbc	18 14 18.3 -0.6
W53A Cullowhee	149.85 15 P	PKPbc	18 14 19.2 +0.1
X51A Calhoun	149.92 18 P	PKPbc	18 14 19.3 +0.2
Z47A Carrollton	149.99 24 P	PKPbc	18 14 19.3 0.0
Z48A Northport	150.04 23 P	PKPbc	18 14 19.1 -0.4
Y49A Blount Mountai	150.04 21 P	PKPbc	18 14 19.1 -0.4
146A Union	150.05 26 P	PKPbc	18 14 19.9 +0.4
X52A Dandalega	150.18 17 P	PKPbc	18 14 20.3 +0.6
Y50A Piedmont	150.25 20 P	PKPbc	18 14 19.6 -0.4
Y51A Rockmart	150.47 19 P	PKPbc	18 14 20.3 -0.2
LRAL Lakeview Retre	150.56 23 P	PKPbc	18 14 20.6 -0.1
Z49A Columbiana	150.59 22 P	PKPbc	18 14 20.5 -0.3
Z47A Quitman	150.75 26 P	PKPbc	18 14 22.1 +0.9
Z50A Ashland	150.76 21 P	PKPbc	18 14 21.0 -0.2
Y52A Lilburn	150.82 18 P	PKPbc	18 14 21.7 +0.4
Y54A Tignall	151.21 15 P	PKPbc	18 14 22.1 -0.1
347A Saraland	151.33 27 P	PKPbc	18 14 23.3 +0.8
Z52A Williamson	151.33 19 P	PKPbc	18 14 23.3 +0.8
GOGA Godfrey	151.42 17 P	PKPbc	18 14 22.9 +0.2
Z49A Camden	151.44 24 P	PKPbc	18 14 23.4 +0.7
Z53A Monticello	151.51 17 P	PKPbc	18 14 23.1 +0.2
152A Waverly Hall	151.71 20 P	PKPbc	18 14 23.8 +0.5
Z54A Sparta	151.76 16 P	PKPbc	18 14 23.7 +0.2
Z51A Midway	152.00 21 P	PKPbc	18 14 24.5 +0.5

MOS 01 17:56:54.0:0.8,53:31N,108:49E,h10km,mb4.2/1,Error ellipse: s-maj=23.1km s-min=15.6km az=141.5
 BYKL 01 17:56:54.5:0.2,53:30N,108:48E,h11km,3km
 ISC 01 17:56:52.9:0.7,53:35N,108:45E,0.0:0.2,h10km,n37,
 #252/80,2C-4D,Lake Baykal region

Code	Station Name	Δ ^α AZ ^z	Phase ID	Time Res	ISC	Res
OGRR	Ongureny	0.59 300	/PG	Pn	17 57 07.2	-0.1
OGRR			/Sg	Pb	17 57 15.2	+1.6
OGRR	163nm,0.2s		Pmax			
OGRR	539nm,0.2s		Smax			
OGRR	Ongureny	0.59 300	/PG	Pn	17 57 07.4	+0.1
OGRR			e	pmax	17 57 16.0	
OGRR	comp=Z,164nm,0.2s		e	pmax		
OGRR	comp=E,538nm,0.3s		Smax	Smax		
KELR	Kotokel	0.64 201	/PG	Pb	17 57 05.2	-0.9
KELR			Sg	Sg	17 57 13.3	-0.2
SYVR	Suvo	0.97 71	ePG	Pn	17 57 12.6	0.0
SYVR			ePb	Pb	17 57 14.6	+2.7
SYVR			eSg	Sg	17 57 25.4	-1.1
SYVR			eSb	Sb	17 57 29.7	+4.9
SYVR	comp=E,44nm,0.2s		Pmax			
SYVR	comp=E,527nm,0.3s		max			
SYVR	Suvo	0.97 71	ePG	Pn	17 57 12.0	-0.6
SYVR			e	pmax	17 57 25.2	
SYVR	comp=Z,47nm,0.2s		Smax	Smax		
SYVR	comp=N,537nm,0.4s		Smax	Smax		
TRG	Tyrgan	1.40 246	ePG	Pb	17 57 18.9	-0.2
TRG			ePb	Pb	17 57 20.2	+0.5
TRG			eSg	Sg	17 57 21.8	
TRG			e	Sg	17 57 37.9	0.0
TRG	comp=N,140nm,0.2s		Smax			
TRG	comp=N,608nm,0.1s		ePG	Pg	17 57 19.5	-0.2
TRG			e	pmax	17 57 38.9	
TRG	comp=Z,139nm,0.2s		Smax	Smax		
TRG	comp=E,615nm,0.1s		Smax	Smax		
UUDB	Ulan-Yde	1.56 198	/PG	Pg	17 57 21.8	-1.1
UUDB			eSg	Sg	17 57 42.2	-0.9
UUDB			e	Pmax	17 57 45.5	
UUDB	comp=E,109nm,0.5s		max			
UUDB	comp=E,344nm,0.4s		eSg	Sg	17 57 46.3	-1.3
KAB	Kabansk	1.70 221	eSg	Sg	17 57 46.3	-1.3
KAB			Smax			
STDB	Stepny Dvoret	1.73 228	ePG	Pg	17 57 25.8	-0.3
STDB			eSg	Sg	17 57 48.5	-0.1
HRMR	Khuramsha	1.96 208	/PG	Pb	17 57 28.8	+0.2
HRMR			eSg	Sg	17 57 32.6	
HRMR			e	Sg	17 57 54.4	-1.3
HRMR	comp=E,223nm,0.4s		Smax			
YLYR	Ulyunkhan	2.21 45	/Pn	Pb	17 57 31.9	-1.0
YLYR			ePG	Pb	17 57 33.9	-1.3
YLYR			eSg	Sg	17 58 04.2	+0.4
YLYR	comp=E,49nm,0.5s		Smax			
YLYR	comp=E,114nm,0.6s		ePn	Pb	17 57 31.9	-1.0
YLYR			eS	Sb	17 57 58.9	-1.4
YLYR			e	pmax	17 58 04.2	

YLYR	comp=E,115nm,0.5s		Smax	Smax		
BGT Bolshoye Golou	2.27 236	ePn	Pb	17 57 32.4	-1.5	
BGT		ePG	Pg	17 57 35.0	-1.3	
BGT		eSg	Pg	17 57 05.3	-0.4	
BGT	comp=E,8.0nm,0.1s		Smax			
BGT	comp=E,128nm,0.6s		Smax			
NIZ Nizh Angarsk	2.51 14	ePn	Pb	17 57 36.7	-1.3	
NIZ		e		17 57 40.3		
NIZ		e		17 57 43.8		
NIZ		e		17 58 08.8		
NIZ		eSg	Sg	17 58 12.8	-0.6	
NIZ	comp=E,902nm,0.3s		Smax			
NIZ	comp=E,87nm,0.5s		Smax			
LSTR Listvyanka	2.66 237	ePG	Pb	17 57 41.2	+0.6	
LSTR		eSg	Sb	17 58 08.7	+0.6	
LSTR		eSg	Sg	17 58 15.7	-2.6	
LSTR		e	Sg	17 58 18.9		
LSTR	comp=E,6.0nm,0.4s		max			
LSTR	comp=E,141nm,1.3s		max			
IRK Irkutsk	2.77 248	eSg	Sg	17 58 19.4	-2.4	
IRK		Smax				
IVK Ivanovka	2.91 239	ePn	Pb	17 57 41.0	+1.7	
IVK	comp=E,329nm,0.4s		ePG	Pb	17 57 46.1	+1.2
IVK		eSg	Sg	17 58 24.7	-1.6	
IVK	comp=E,5.0nm,0.2s		Smax			
IVK	comp=E,136nm,0.7s		Smax			
KMO Kumora	3.00 31	ePn	Pn	17 57 42.8	+2.3	
KMO		ePG	Pb	17 57 48.1	+1.7	
KMO		eSg	Sg	17 57 51.0		
KMO		e	Sg	17 58 27.7	-1.5	
KMO	comp=E,60nm,0.3s		Smax			
KMO	comp=E,100nm,1.1s		Smax			
KMO		ePn	Pn	17 57 42.7	+2.3	
KMO		e	Sn	17 58 18.3	+1.8	
KMO		eS	Sn	17 58 26.5		
KMO	comp=Z,70nm,0.6s		pmax			
KMO	comp=N,75nm,0.9s		Smax			
CIT Chita	3.38 111	ePn	Pn	17 57 45.7	0.0	
CIT</						

SKO 01 17:57:58.4, 42.30N, 21.56E, h15km, M2.2, ML2.4
BEO 01 17:58:01.7, 0.2, 42.30N, 21.59E, h0km, ML2.1/9
TIR 01 17:58:04.9, 28.0, 42.16N, 21.55E, h1km, Md3.0/4
SIK 01 17:58:04.9, 28.0, 42.16N, 21.55E, h1km, Md3.0/4
Error ellipse: s-maj=1987.3km s-min=367.2km az=45.0
ISC 01 17:58:00.8, 0.2, 42.30N, 0.02, 21.58E, 0.02, h13km, 8km,
n39, e1931/68, 1C-2D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded events.

IDC 01 17:59:24.5, 1.2, 8.28S, 156.95E, h0km, mb3.8/4,
mb1.3/9.5, mb1mx3.7/27, mbtmp3.9/5, ML4.0/1, MS3.7/2,
Ms1.3/7.2, ms1mx3.0/33, Error ellipse: s-maj=33.8km
s-min=25.3km az=13.0
ISCJB 01 17:59:26.3, 0.9, 8.3S, 0.2, 156.89E, 0.08, h19km, mb3.7/5,
MS3.8/2, Error ellipse: s-maj=27.6km s-min=9.7km
az=14.8
ISC 01 17:59:27.6, 1.0, 8.3S, 0.2, 156.9E, 0.1, h19km, n10,
e113/9, mb3.9/5, Bougainville-Solomon Islands Region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations for Bougainville-Solomon Islands Region.

DJA 01 18:05:06.8, 1.1, 11.5S, 12.114E, h20km, 19km, M3.6/10,
ML3.6/10, South of Jawa

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations for South of Jawa.

IDC 01 18:14:12.0, 1.9, 10.84S, 113.67E, h0km, mb3.8/8,
mb1.4/0.9, mb1mx3.8/36, mbtmp3.9/9, ML4.5/1, Error
ellipse: s-maj=60.0km s-min=18.7km az=45.0
ISCJB 01 18:14:13.0, 1.0, 10.88S, 0.5, 113.6E, 0.03, h25km,
mb3.9/9, Error ellipse: s-maj=6.7km s-min=4.6km az=8.7
NEIC 01 18:14:14.1, 1.1, 10.74S, 113.72E, h10km, mb4.2/1, Error
ellipse: s-maj=32.4km s-min=10.2km az=223.0
DJA 01 18:14:16.8, 1.0, 11.5S, 12.114E, h28km, 15km, M4.3/19,
mb4.4/9, mb5.1/3, MLV4.3/19, Mw(mb)4.4/3
ISC 01 18:14:13.3, 0.7, 11.05S, 0.07, 113.71E, 0.05, h25km, n35,
e264/51, mb3.9/9, South of Jawa

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations for Eastern Honshu.

JMA 01 18:39:27.0, 37.82N, 140.02E, h9km, 1km, M1.6, Eastern Honshu

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations for Eastern Honshu.

NIED 01 18:40:00.36, 90N, 141.50E, h5km, Mw5.3 Best double
couple: Mo=9.30000e+016 NP1=3.02000e+045, 0.00000e+0,
-1.74.00000e-0, NP2=1.90.00000e+047, 0.00000e+0,
-1.105.00000e-0
BUJ 01 18:40:46.8, 36.85N, 141.50E, h6km, mb4.8/7.1, mb5.1/6.0,
Ms5.3/8.4, Ms7.5/0.78
IDC 01 18:40:49.1, 0.4, 36.93N, 141.26E, h0km, mb4.9/36,
mb1.4/9.4, mb1mx4.9/49, mbtmp4.8/40, ML4.0/3, MS4.6/44,
Ms1.4/6.44, ms1mx4.5/55, Error ellipse: s-maj=13.2km
s-min=8.8km az=111.0
JMA 01 18:40:49.6, 0.1, 36.92N, 141.40E, h30km, 1km, M5.6
Broadband fault plane solution: P waves. NP1:
e=189.00000e+0381, 0.00000e+0397, 0.00000e+0; NP2:
e=329.00000e+0; 5.11.00000e+0; 5.50.00000e+0. Principal axes: T
Plg53.0000e+0, Azm108.0000e+0, N Plg7.0000e+0, Azm8.0000e+0;
P Plg36.0000e+0, Azm273.0000e+0

JMA Fell III J1
ISCJB 01 18:40:52.3, 0.5, 36.97N, 0.02, 141.14E, 0.02, h19km, 3km,
mb5.0/310, MS5.0/74, Error ellipse: s-maj=3.7km
s-min=2.4km az=152.0
GCMT 01 18:40:53.0, 1.1, 36.95N, 0.01, 141.35E, 0.01, h12km,
Mw5.3/116, Moment Tensor Solution. s72, c121;
s116, c229; Duration: 1s0 Moment tensor: Scale 1017
Mw: 0.91; 0.1; Mw: 0.07; 0.1; Mw: 0.3; 0.1;
Mw: 0.17; 0.4; Mw: 0.37; 0.1; Mw: 0.7; 0.4; Best double
couple: Mo=0.96700e+0107, NP1=1.213.00000e+046, 0.00000e+0,
-1.74.00000e-0, NP2=1.11.00000e+0; 5.46.00000e+0; 5.46.00000e+0,
-1.106.00000e-0. Principal axes: T 0.9890, Plg0.0000e+0,
Azm292.0000e+0; N -0.0440, Plg12.0000e+0, Azm22.0000e+0; P
-0.9450, Plg78.0000e+0, Azm202.0000e+0; nst1 refers to surface
waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

MOS 01 18:40:54.6, 1.1, 37.22N, 141.09E, h30km, mb5.3/74,
MS5.1/22, Error ellipse: s-maj=6.3km s-min=4.3km
az=102.0
NEIC 01 18:40:54.6, 1.9, 36.92N, 141.03E, h26km, 13km,
mb5.1/212, Error ellipse: s-maj=5.2km s-min=3.5km
az=144.0

NEIC Fell [II] at Tokyo. Felt widely in east-central Honshu.
Recorded [3 JMA] in Fukushima and Ibaraki.
ISC 01 18:40:53.1, 0.5, 36.93N, 0.03, 141.29E, 0.03, h23km, 3km,
n859, e199/872, mb5.1/320, MS5.0/74, 34C-32D, Near
east coast of eastern Honshu

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations for Near east coast of eastern Honshu.

NEIC Fell [II] at Tokyo. Felt widely in east-central Honshu.
Recorded [3 JMA] in Fukushima and Ibaraki.
ISC 01 18:40:53.1, 0.5, 36.93N, 0.03, 141.29E, 0.03, h23km, 3km,
n859, e199/872, mb5.1/320, MS5.0/74, 34C-32D, Near
east coast of eastern Honshu

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations for Near east coast of eastern Honshu.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations for various regions including MAT, JRG, JMG, etc.

1d 18h

Table with columns: Call Sign, Name, Comp, Az, El, P, S, E, M, L, R, Az, El, P, S, E, M, L, R. Includes stations like Rabbit Creek A, Phuket, DANN, AAA, etc.

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Table with columns: Call Sign, Name, Comp, Az, El, P, S, E, M, L, R, Az, El, P, S, E, M, L, R. Includes stations like FITZ, WRAB, WRA, KBL, etc.

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Table with columns: Call Sign, Name, Comp, Az, El, P, S, E, M, L, R, Az, El, P, S, E, M, L, R. Includes stations like NEW, KHMM, L04D, PINE, etc.

1d 18h

214A	Organ Pipe Nat	82.61	56	P	P	18 53 16.2 +1.5
S22A	4UR Ranch, Cre	82.65	48	eP	P	18 53 17.7 +2.6
S22A	4UR Ranch, Cre	82.65	48	P	P	18 53 16.3 +1.2
GERES	GERESS Array B	82.74	328	P	P	18 53 13.6 -1.5
GERES	Divide	82.82	46	P	LR	19 33 32.2
Q24A	Divide	82.82	46	P	P	18 53 16.7 +0.7
VTS	Vitoshia	82.82	319	eP	P	18 53 16.6 +0.8
VTS	Vitoshia	82.82	319	iP	P	18 53 17.6 +1.8
VTS	Vitoshia	82.82	319	eP	P	18 53 16.6 +0.8
VTS				pmax	pmax	
X18A	Snowflake	82.83	52	eP	P	18 53 19.2 +3.2
GRFO	Grafenberg	83.11	330	eP	P	18 53 17.8 +0.9
GRFO	Grafenberg	83.11	330	eP	P	18 53 17.8 +0.9
GRFO				pmax	pmax	
ARSA	Arzberg	83.17	326	eP	P	18 53 16.9 -0.4
OGNE	Ogallala	83.22	43	eP	P	18 53 18.9 +1.1
MOA	Molin	83.27	327	eP	P	18 53 17.2 -0.6
EYMM	Ely	83.28	33	P	P	18 53 18.9 +1.0
DIVS	Divibare	83.40	322	eP	P	18 53 19.8 +1.2
SDCO	Great Sand Dun	83.43	47	eP	P	18 53 21.3 +2.1
SDCO	Great Sand Dun	83.43	47	P	P	18 53 20.0 +0.8
TUC	Tucson	83.72	54	P	P	18 53 22.9 +2.4
TUC	Tucson	83.72	54	eP	P	18 53 22.9 +2.4
TUC				pmax	pmax	
TUC	Tucson	83.72	54	P	P	18 53 22.6 +2.2
GROS	Grobnik	83.78	326	eP	P	18 53 20.6 +0.1
SOKA	Soboth	83.83	326	eP	P	18 53 21.3 +0.6
STIP	Stip	84.00	319	iP	P	18 53 21.5 -0.1
ECSD	EROS Data Cent	84.06	38	eP	P	18 53 23.0 +1.1
ECSD	EROS Data Cent	84.06	38	P	P	18 53 23.4 +1.5
VAY	Valandovo	84.06	318	iP	P	18 53 22.9 +1.0
SKO	Skopje	84.19	319	iP	P	18 53 24.2 +1.6
PMOR	Pomoriye Res	84.23	113	eT	P	10 25 57.4
E38A	The Farm, Brul	84.28	34	eP	P	18 53 24.1 +1.1
E38A	The Farm, Brul	84.28	34	P	P	18 53 23.6 +0.7
40A	Isle Royale Na	84.30	31	P	P	18 53 24.2 +1.2
MYKA	Terra Mystica	84.48	327	iP	P	18 53 23.7 -0.3
T25A	Trinidad	84.48	47	eP	P	18 53 26.5 +2.0
T25A	Trinidad	84.48	47	P	P	18 53 24.9 +0.5
BOJS	Bojanci	84.61	325	iP	P	18 53 24.9 +0.3
F38A	Pierce - Schro	84.63	34	P	P	18 53 25.2 +0.5
LAZ	Ladron	84.67	51	eP	P	18 53 28.1 +2.7
PPT	Papeete	84.68	116	LR	LR	19 25 29.1
PPT2	Papeete2	84.69	116	eS	S	19 03 49.2 -2.7
PPT2	Papeete2	84.69	116	eLR	LR	19 19 34.0
PPT2	Papeete2	84.69	116	eT	T	20 26 32.0
RPZ	Rata Peaks	84.70	159	LR	LR	19 31 40.0
KRUS	Krusevo	84.72	319	iP	P	18 53 26.2 +0.8
ANMO	Albuquerque	84.73	50	iP	P	18 53 26.9 +1.2
ANMO				pmax	pmax	
SPMM	Marine on St.	84.77	35	P	P	18 53 26.7 +1.3
WATA	Walderalm	84.81	328	iPcP	P	18 53 27.9 +2.1
WTTA	Wattenberg	84.85	328	ePcP	P	18 53 28.3 +2.2
ABTA	Abfaltersbach	84.88	327	eP	P	18 53 25.6 -0.5
E39A	Mellen	84.89	33	P	P	18 53 27.5 +1.4
LENN	Lemitar	84.93	51	eP	P	18 53 29.2 +2.5
LIT	Litokhoron	84.96	318	eP	P	18 53 23.8 -2.8
LIT	Litokhoron	84.96	318	eP	P	18 53 23.8 -2.8
LIT				pmax	pmax	
TTG	Podgorica	84.98	321	eP	P	18 53 27.0 +0.5
TTG	Podgorica	84.98	321	eP	P	18 53 27.0 +0.5
TTG				pmax	pmax	
MOTA	Moosalm	85.01	329	ePcP	P	18 53 27.6 +0.8
RETA	Reutte	85.03	329	ePcP	P	18 53 27.7 +0.8
FNA	Florina	85.07	319	eP	P	18 53 27.8 +0.6
FNA	Florina	85.07	319	eP	P	18 53 27.8 +0.6
FNA				pmax	pmax	
WLF	Walferdange	85.08	333	iP	P	18 53 27.6 +0.7
F39A	Loretta	85.09	34	P	P	18 53 28.3 +1.2
E40A	Waketfield	85.13	33	P	P	18 53 28.7 +1.4
BNM	Barren Site	85.15	50	eP	P	18 53 29.9 +2.0
D41A	Chassel	85.21	32	P	P	18 53 28.7 +1.0
DOU	Dourbes	85.29	334	iP	P	18 53 29.4 +1.5
319A	Douglas	85.30	54	eP	P	18 53 30.9 +2.4
BFO	Black Forest	85.34	331	eP	P	18 53 29.2 +0.9
BFO	Black Forest	85.34	331	iP	P	18 53 29.5 +1.2
FETA	Feichten	85.42	329	iPcP	P	18 53 30.0 +1.1
H38A	Maiden Rock	85.42	35	P	P	18 53 30.0 +1.3
F40A	Park Falls	85.44	33	P	P	18 53 29.7 +0.8
KARP	Karpathos	85.46	312	eP	P	18 53 29.6 +0.5
SCHO	Schefferville	85.46	16	LR	LR	19 35 34.2
G39A	Holceme	85.46	34	P	P	18 53 30.0 +1.1
121A	Cookes Peak, D	85.50	52	P	P	18 53 30.4 +0.8
DAVA	Damuels	85.56	329	ePcP	P	18 53 30.2 +0.6
H39A	Augusta	85.58	35	P	P	18 53 31.5 +0.5
ECH	Echery	85.59	331	eP	P	18 53 32.0 +0.9
ECH	Echery	85.59	331	eP	P	18 53 32.0 +0.9
ECH				pmax	pmax	
G40A	Rib Lake	85.91	34	eP	P	18 53 32.8 +1.6
G40A	Rib Lake	85.91	34	P	P	18 53 32.4 +1.2
FUORW	Ofenpass-Fuorn	85.93	329	eP	P	18 53 32.8 +1.2
K36A	Gilmore City	85.93	38	P	P	18 53 32.6 +1.3
CBKS	Cedar Bluff	85.97	43	P	P	18 53 32.2 +0.6
E42A	Champion	85.99	32	P	P	18 53 32.5 +1.0
F41A	Three Lakes	86.02	33	eP	P	18 53 33.4 +1.7

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F41A	Three Lakes	86.02	33	P	P	18 53 32.3 +0.6
TAOE	Nuku Hiva Isla	86.24	104	eLR	LR	19 20 40.2
H40A	Chilpancingo	86.33	34	P	P	18 53 33.7 +0.5
I39A	Houston	86.40	35	P	P	18 53 34.3 +0.7
E43A	Lone Tree Farm	86.41	31	P	P	18 53 34.0 +0.4
H41A	Junction City	86.66	34	P	P	18 53 35.9 +1.0
G42A	Mountain	86.71	33	P	P	18 53 36.1 +1.0
J39A	Decorah	86.72	36	P	P	18 53 36.2 +1.1
F43A	Flat Rock, Esc	86.78	32	P	P	18 53 37.2 +1.8
H40A	Norwalk	86.79	35	P	P	18 53 36.4 +0.8
F44A	Big Bay de Noc	86.97	31	P	P	18 53 37.6 +1.2
IDI	Anoyia	86.98	313	LR	LR	19 37 24.8
G43A	Wallace	87.02	32	P	P	18 53 37.4 +0.8
SCIA	State Center	87.08	37	P	P	18 53 38.3 +1.3
JOA	Soldiers Grove	87.12	35	P	P	18 53 38.6 +1.4
H42A	Shiocton	87.24	33	P	P	18 53 38.7 +1.0
KSU1	Kansas State U	87.45	41	P	P	18 53 39.8 +1.0
K40A	Colesburg	87.47	36	P	P	18 53 39.9 +1.1
J41A	Osageville	87.48	35	P	P	18 53 40.3 +1.4
L39A	Vinton	87.51	37	P	P	18 53 39.7 +0.7
I42A	Draeger Farm,	87.56	34	P	P	18 53 40.7 +1.4
MNTX	Cornudas Mnt	87.57	52	eP	P	18 53 42.0 +2.5
MNTX	Cornudas Mnt	87.57	52	P	P	18 53 40.5 +1.0
H43A	Windswept, Lux	87.61	33	P	P	18 53 40.5 +1.0
AMTX	Amarillo	87.64	47	P	P	18 53 41.7 +1.8
JFWS	Jewell Farm	87.72	35	P	P	18 53 41.1 +1.1
F46A	Macinaw City C	87.82	30	P	P	18 53 41.2 +0.8
AQU	L'Aquila	87.89	324	eP	P	18 53 42.8 +1.9
AQU	L'Aquila	87.89	324	eP	P	18 53 42.8 +1.9
AQU				pmax	pmax	
I43A	Langentel Bro	87.91	33	P	P	18 53 42.3 +1.4
M39A	Webster	87.92	37	P	P	18 53 42.3 +1.3
L40A	Anamosa	87.92	36	eP	P	18 53 42.5 +1.4
L40A	Anamosa	87.92	36	P	P	18 53 41.9 +0.9
K41A	Shulburg	87.93	35	P	P	18 53 41.7 +0.7
N39A	Derby Farms, D	88.22	38	eP	P	18 53 44.3 +1.8
N39A	Derby Farms, D	88.22	38	P	P	18 53 43.7 +1.3
L41A	Preston	88.26	36	P	P	18 53 43.5 +0.9
VLDO	Val d'Or	88.55	25	eP	P	18 53 44.6 +0.8
TBI	Tubuai	88.56	121	eS	S	19 04 29.4 +0.3
TBI	Tubuai	88.56	121	eLR	LR	19 21 29.6
TBI	Tubuai	88.56	121	eT	T	20 31 21.8
N40A	Mertquake, Sal	88.66	37	P	P	18 53 46.0 +1.5
Q38A	Cook Store, C	89.11	40	P	P	18 53 48.2 +1.5
N41A	Harden Midland	89.15	37	P	P	18 53 48.1 +1.3
WMOK	Wichita Mounta	89.42	46	eP	P	18 53 50.0 +1.8
WMOK	Wichita Mounta	89.42	46	eP	P	18 53 50.0 +1.8
WMOK				pmax	pmax	
WMOK	Wichita Mounta	89.42	46	P	P	18 53 49.4 +1.2
M43A	Waltham Townsh	89.47	35	P	P	18 53 49.8 +1.4
O41A	Passleys Farm,	89.59	37	P	P	18 53 50.4 +1.5
N43A	Stutzman Famil	89.76	36	P	P	18 53 50.9 +1.2
ATD	Arta Tunnel	89.80	284	LR	LR	19 38 56.9
P41A	Barry, Barry	89.84	38	P	P	18 53 50.8 +0.7
J47A	Summer	89.86	32	P	P	18 53 51.7 +1.6
M44A	Midewin, Midew	89.93	35	P	P	18 53 50.5 0.0
S38A	Stockton	89.96	41	P	P	18 53 51.2 +0.5
O43A	Sugar Creek Fa	90.21	36	P	P	18 53 53.0 +1.2
S39A	Bolivar	90.22	40	eP	P	18 53 52.9 +1.0
S39A	Bolivar	90.22	40	P	P	18 53 52.2 +0.3
TUL1	Leonard	90.24	43	P	P	18 53 53.2 +1.2
K47A	Vermontville	90.25	32	P	P	18 53 52.5 +0.6
TXAR	Lajitas Array	90.26	52	P	P	18 53 51.5 -0.8
TXAR				LR	LR	19 28 14.9
Q41A	Truist	90.32	38	P	P	18 53 53.2 +0.9
N44A	Piper City	90.36	35	P	P	18 53 54.3 +1.8
ABTX	Ablene, Hawle	90.43	48	eP	P	18 53 55.0 +2.0
ABTX	Ablene, Hawle	90.43	48	P	P	18 53 53.8 +0.8
N45A	Kentland	90.61	35	P	P	18 53 55.4 +1.8
P43A	Skaggs, Pawnee	90.62	37	P	P	18 53 55.5 +1.8

2012 OCT

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SEKA, IMRD, GANJ, ZKTA, GDB, QZX, GNI, GN, KAZ, KBZ, KVAR, KIV, AB31, AKTO, AKTO, RAYN, BRTR, BRVK, BVAO, ARU, TLCR, CFR, KURB, KURB, SORM, MKAR, VRI, PLO, AKASG, KIEV, MLR, VOIR, IDI, ARR, BURAR, LOT, VTS, DANN, GKN, ZALV, DMN, KKN, PKI, GUN, JIRN, GERES, NRIK, CMAR, ESDC, TORD, KSAR, KSRS, ISJC/B, IDC, ISC, Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SKHL, MOS, IDC, ISC, Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like JHO, JFFD, JHYU, JFT, JMM, JMT, JFY, JFY, MAT, NIED, BUJ, IDC, ISC, Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC.

Table with columns: Station Name, Azimuth, Phase, Time, Res, and various codes. Includes stations like TRIZ, AGG, LIT, KALE, STIP, etc.

2012 OCT

Main table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes sections for PRU 01 20:30:27, MEX 01 20:36:46, and various station lists.

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like ONAJ, JFK, JFFD, etc.

2012 OCT

Table with columns: Id, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Mudjanjiang, Kul'dur, WARRANGUNGA ARR, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like FINES FINESS Array B, KBZ Khabaz, HFS Hagfors, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ISK 01 20:50:55.9, ISJC/B 01 20:50:57.1, DDA 01 20:50:57.4, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like T0702 Acquaformosa, T0702 San Lorenzo Be, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like UCR 01 20:58:38.7, VCR Vista de Mar, PLVR Palo Verde, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like H1121 WAKE ISLAND Hy 28.09 119 T, H11N1 WAKE ISLAND Hy 28.10 119 T, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like T0702 Acquaformosa, T0702 San Lorenzo Be, etc.

JCH		eS	Sn	22 23 01.6	-1.5
JYS	Shirataka	2.92 238	Pn	22 22 32.0	+0.3
JYA	Atsumi	2.98 247	Pn	22 22 33.1	+0.6
JAK	Akkeshi	3.36 19	P	22 22 35.5	-2.2
JAK			Sn	22 22 14.9	-2.2
JHO	Hitachi	3.82 214	P	22 22 41.6	-2.5
JHK	Hiroka	4.17 233	P	22 22 49.1	+0.2
JSD	Sado	4.25 247	P	22 22 50.6	+0.7
GLVR	Golovnino	4.28 230	iP	22 22 49.0	-1.3
GLVR			Sn	22 22 37.5	-2.2
GLVR	comp=Z,2um,0.4s		Pn		
GLVR	comp=N,2um,0.3s		Pn		
GLVR	comp=E,807nm,0.3s		Pn		
GLVR	comp=N,18um,0.4s		Pn		
GLVR	comp=E,11um,0.4s		Pn		
ASAJ	Asahikawa	4.31 354	Pn	22 22 50.8	0.0
ASAJ	comp=E,70nm,0.3s,baz=215,slow=10.0,SNR=132		Pn		
ASAJ	Asahikawa	4.31 354	ePn	22 22 50.6	-0.2
ASAJ			Sn	22 23 36.7	-4.0
JAG	Ashikaga	4.50 222	P	22 22 52.7	-0.7
GRPR	Tuman	4.58 241	iP	22 22 53.3	+1.2
GRPR			Sn	22 23 44.2	-3.1
GRPR	comp=N,845nm,0.4s		Pn		
GRPR	comp=Z,3um,0.4s		Pn		
GRPR	comp=E,23um,0.4s		Pn		
GRPR	comp=N,16um,0.5s		Pn		
LAGR	Lagunnoye	4.64 241	iP	22 22 52.2	-3.1
LAGR			Sn	22 23 45.9	-2.8
LAGR	comp=Z,2um,0.5s		Pn		
LAGR	comp=N,2um,0.4s		Pn		
LAGR	comp=E,3um,0.4s		Pn		
LAGR	comp=N,15um,0.4s		Pn		
LAGR	comp=E,26um,0.4s		Pn		
YUK	Yuzh-Kuril'sk	4.65 24	eP	22 22 54.3	-1.1
YUK			Sn	22 23 45.2	-3.7
YUK	comp=Z,2um,0.4s		Pn		
YUK	comp=N,1um,0.5s		Pn		
YUK	comp=E,1um,0.6s		Pn		
YUK	comp=N,20nm,0.5s		Pn		
YUK	comp=E,18nm,0.5s		Pn		
YUK	comp=Z,89um,17.0s		Pn		
YUK	comp=N,96um,15.0s		Pn		
YUK	comp=E,4um,15.0s		Pn		
JGK	Kuni	4.85 229	P	22 22 59.5	+1.2
SHO	Shikotan	4.86 33	eP	22 22 55.5	-2.8
SHO			Sn	22 23 48.7	-5.4
SHO	comp=N,320nm,0.4s		Pn		
SHO	comp=Z,868nm,0.4s		Pn		
SHO	comp=E,595nm,0.5s		Pn		
SHO	comp=N,6um,0.4s		Pn		
SHO	comp=E,7um,0.4s		Pn		
SHO	comp=Z,73um,15.0s		Pn		
SHO	comp=E,46um,11.0s		Pn		
SHO	comp=N,56um,13.0s		Pn		
JRY	Ryogami san	5.10 223	iP	22 23 01.0	-0.7
MJAR	Matsushiro Arr	5.12 232	Pn	22 23 02.6	+0.7
MJAR	comp=N,31nm,0.3s,baz=36,slow=11,SNR=414		Pn		
MJAR			LR	22 25 17.4	
MAJO	Matsushiro	5.12 232	ePn	22 23 03.0	+1.0
MAJO	Matsushiro	5.12 232	ePn	22 23 03.0	+1.0
MAT	Matsushiro	5.12 232	P	22 23 02.9	+0.9
MAT			Sn	22 24 05.9	+5.2
MAT	Matsushiro	5.12 232	P	22 23 03.1	+1.1
MJB9	Matsu-Tunnel	5.12 232	ePn	22 23 05.0	+0.8
JNG	Nsakai	5.25 231	P	22 23 12.7	+1.2
JJH	Hakui	5.85 242	P	22 23 13.6	+1.2
JGN	Niukaw	5.88 234	P	22 23 16.2	-0.5
SHZ3	Shizuoka 3	6.19 221	P	22 23 17.9	-1.6
KUR	Kuril'sk	6.41 31	iP	22 24 28.6	-3.5
KUR			Sn		
KUR	comp=Z,1um,0.5s		Pn		
KUR	comp=N,296nm,0.3s		Pn		
KUR	comp=E,500nm,0.3s		Pn		
KUR	comp=N,3um,0.7s		Pn		
KUR	comp=E,2um,0.5s		Pn		
KUR	comp=N,22um,5.7s		Pn		
KUR	comp=E,10um,4.4s		Pn		
KUR	comp=Z,51um,14.0s		Pn		
KUR	comp=N,32um,10.0s		Pn		
INU	Inuyama	6.64 230	ePn	22 23 22.8	0.0
INU			Sn	22 24 33.9	-4.1
YSS	Yuzh-Sakhalins	7.13 357	ePn	22 23 29.7	+0.1
YSS	Yuzh-Sakhalins	7.13 357	iP	22 23 29.6	+0.1
YSS			Sn	22 24 47.9	-2.2
YSS	comp=N,340nm,0.9s		Pn		
YSS	comp=Z,450nm,0.9s		Pn		
YSS	comp=E,210nm,1.0s		Pn		
YSS	comp=Z,15um,6.2s		Pn		
YSS	comp=Z,188um,14.0s		Pn		
YSS	comp=N,139um,13.0s		Pn		
TEY	Ternei	7.14 319	eP	22 23 30.9	+1.3
TEY			Sn	22 24 49.0	-1.2
TEY	comp=E,3um,4.4s		Pn		
TEY	comp=N,3um,4.5s		Pn		
TEY	comp=E,250nm,1.6s		Pn		
TEY	comp=E,42um,13.0s		Pn		
TEY	comp=N,87um,12.0s		Pn		
TEY	comp=Z,125um,13.0s		Pn		
JHJ2	Mitsune	7.23 203	ePn	22 23 29.4	-1.5
JHJ2			Sn	22 24 42.6	-1.0
JHJ	Hachiojima 2	7.24 203	Pn	22 23 29.4	-1.5
JHJ	comp=Z,183nm,0.3s,baz=320,slow=29,SNR=33		Pn		
JHJ			Sn	22 24 52.5	-0.2
JHJ	comp=Z,159nm,0.3s,baz=244,slow=21,SNR=4.4		Pn		
JHJ			LR	22 26 28.2	
JKY	Yasaka	7.67 239	P	22 23 38.8	+1.9
UGL	Ulgegorsk	9.29 355	iP	22 23 58.6	-0.4
UGL			Sn	22 25 39.9	-3.1
UGL	comp=Z,434nm,0.8s		Pn		
UGL	comp=N,187nm,0.9s		Pn		
UGL			Pn		

UGL	comp=Z,5um,6.7s		Pn		
UGL	comp=N,5um,8.5s		Pn		
UGL	comp=E,12um,5.5s		Pn		
UGL	comp=N,129um,16.0s		Pn		
UGL	comp=Z,106um,16.0s		Pn		
USA0B	Ussuriysk Arra	9.43 301	ePn	22 24 04.3	+3.3
USRK	Ussuriysk Ar.	9.43 301	Pn	22 24 02.4	+1.4
USRK	comp=Z,2.1nm,0.3s,baz=93,slow=13,SNR=143		Pn		
USRK			LR	22 27 35.7	
MSHR	Mys Shultsa	9.49 291	iP	22 24 03.1	+1.2
JKU	Kubokawa	10.43 235	P	22 24 15.3	+0.6
TYV	Tymovskoe	11.05 358	eP	22 24 15.2	-7.9
TYV			Pn		
TYV	comp=Z,4um,5.8s		Pn		
TYV	comp=Z,90nm,1.0s		Pn		
TYV	comp=N,136um,18.0s		Pn		
MDJ	Mudanjiang	11.17 300	P	22 24 28.7	+3.8
MDJ			Pn		
MDJ	comp=Z,240nm,1.2s		Pn		
MDJ	comp=Z,12um,4.2s		Pn		
MDJ	comp=Z,89um,13.0s		Pn		
MDJ	comp=Z,168um,18.0s		Pn		
MDJ	comp=Z,242um,16.5s		Pn		
MDJ	Mudanjiang	11.17 300	ePn	22 24 26.9	+2.1
GRNR	Gornyj	11.94 339	eP	22 24 36.0	+0.7
GRNR			Pn		
GRNR	comp=N,320nm,1.0s		Pn		
GRNR	comp=E,170nm,1.0s		Pn		
GRNR	comp=Z,340nm,1.0s		Pn		
JNU	Nakatsue	11.96 240	Pn	22 24 35.7	-0.1
JNU	comp=Z,2.1nm,0.3s,baz=45,slow=8.1,SNR=19		Pn		
JNU			LR	22 29 35.0	
JNU	comp=Z,148um,18.6s,baz=46,slow=39		Pn		
JNU	Nakatsue	11.96 240	ePn	22 24 36.0	+0.3
KSR5	Korea Array	12.19 264	Pn	22 24 40.3	+1.6
KSR5	comp=Z,1.9nm,0.3s,baz=84,slow=13,SNR=102		Pn		
KSR5			LR	22 29 08.0	
KS01	Wonju Array Si	12.20 264	ePn	22 24 41.4	+2.4
KS15	Wonju Array Si	12.22 264	ePn	22 24 40.8	+1.6
KSAR	Wonju Array Be	12.22 264	Pn	22 24 40.3	+1.1
KSAR	Wonju Array Be	12.22 264	Pn	22 24 40.3	+1.1
KLR	Kul'dur	12.45 323	Pn	22 24 42.0	-0.2
KLR	comp=Z,2.4nm,0.3s,baz=127,slow=14,SNR=58		Pn		
KLR			LR	22 29 45.4	
CBIJ	Chichi jima	12.72 184	ePn	22 24 43.4	-2.7
CBIJ			Sn	22 26 55.6	-1.2
TJN	Taejon	12.95 260	iP	22 24 51.6	+2.5
NKL	Nikolayevsk	13.44 353	iP	22 24 55.0	-0.8
NKL			S	22 27 33.0	-1.6
NKL	comp=N,170nm,1.0s		Pn		
NKL	comp=E,200nm,1.0s		Pn		
NKL	comp=Z,380nm,1.0s		Pn		
NKL	comp=N,8um,15.0s		Pn		
NKL	comp=E,2um,15.0s		Pn		
NKL	comp=Z,8um,15.0s		Pn		
NKL	comp=N,6um,18.0s		Pn		
NKL	comp=E,12um,18.0s		Pn		
NKL	comp=E,26um,14.0s		Pn		
NKL	comp=Z,100um,15.0s		Pn		
OKH	Okha	13.73 359	eP	22 24 56.9	-2.8
OKH			Pn		
OKH	comp=Z,4um,15.4s		Pn		
CN2	Changchun	13.83 292	eP	22 24 59.9	-1.2
CN2			S	22 25 06.6	-2.8
CN2			Pn	22 27 31.9	-2.3
CN2	comp=Z,30nm,1.2s		Pn		
CN2	comp=Z,11um,10.0s		Pn		
CN2	comp=Z,80um,14.0s		Pn		
CN2	comp=Z,89um,14.0s		Pn		
CN2	comp=Z,115um,17.0s		Pn		
SKR	Severo-Kuril's	14.14 36	eP	22 25 05.2	-0.1
SKR			Sn	22 27 45.9	+4.3
SKR	comp=Z,700nm,7.9s		Pn		
SKR	comp=Z,1um,4.1s		Pn		
SKR	comp=Z,335nm,0.9s		Pn		
SKR	comp=Z,44um,16.0s		Pn		
SKR	comp=Z,44um,15.0s		Pn		
SNY	Shenyang	15.00 284	iP	22 25 16.9	-0.2
SNY			Pn		
SNY	comp=Z,110nm,2.5s		Pn		
SNY	comp=Z,18um,12.0s		Pn		
SNY	comp=Z,71um,15.3s		Pn		
SNY	comp=Z,127um,18.5s		Pn		
SNY	comp=Z,185um,17.3s		Pn		
PEA0B	Petrovlovsk-	16.57 32	ePn	22 25 35.6	-1.8
PEA0B	comp=Z,180nm,1.0s		Pn		
PETK	Petrovlovsk-	16.57 32	Pn	22 25 34.9	-2.5
PETK	comp=Z,0.1nm,0.3s,baz=193,slow=12,SNR=9.4		Pn		
PETK			LR	22 33 02.4	
PETK	Petrovlovsk-	16.57 32	ePn	22 25 34.8	-2.6
PETK	Petrovlovsk-	16.57 32	eP	22 25 34.8	-2.6
DL2	Dalian	16.71 274	iP	22 25 38.7	-0.6
DL2			Sn	22 28 46.1	+1.7
DL2	comp=Z,240nm,0.9s		Pn		
DL2	comp=Z,17um,7.1s		Pn		
DL2	comp=Z,47um,13.9s		Pn		
DL2	comp=Z,43um,15.4s		Pn		
DL2	comp=Z,71um,16.9s		Pn		
PET	Petrovlovsk	16.91 34	ePn	22 25 42.1	+0.5
PET	comp=Z,381nm,1.1s		Pn		
PET	Petrovlovsk	16.91 34	eP	22 25 44.6	+1.1
PET			Sn	22 28 51.1	+2.2
PET	comp=Z,373nm,1.1s		Pn		
PET	comp=Z,37um,6.4s		Pn		
PET	comp=Z,28um,16.0s		Pn		
PET	comp=Z,30um,15.0s		Pn		
ZEA	Zeya	17.64 327	eP	22 25 47.7	-3.0
ZEA			Sn	22 29 07.5	+0.9
ZEA	comp=N,300nm,0.9s		Pn		
ZEA	comp=E,260nm,0.9s		Pn		
ZEA	comp=Z,430nm,1.0s		Pn		
ZEA	comp=E,6um,13.0s		Pn		

ZEA	comp=Z,13um,13.0s		Pn		
ZEA	comp=N,7um,12.0s		Pn		
ZEA	comp=E,4um,6.0s		Pn		
ZEA	comp=N,5um,13.0s		Pn		
ZEA	comp=E,100um,14.0s		Pn		
ZEA	comp=Z,130um,14.0s		Pn		
ZEA	comp=N,70um,16.0s		Pn		
JOW	Kunigami	17.96 228	ePn	22 25 51.5	-3.3
JOW	comp=N,160nm,0.9s		Pn		
HIA	Hailar	19.14 307	eP	22 26 06.5	-1.7
HIA	comp=N,282nm,0.8s		Pn		
HIA	Hailar	19.14 307	c	2	

RC01	comp=Z,631nm,1.3s Rabbit Creek A comp=Z,1.45nm,1.2s	45.30	39	eP	P	22 30 02.7 +0.2
RC01				LR	LR	
TOLK	comp=Z,10um,18.0s Toolik Lake Re comp=Z,341nm,1.6s	45.35	28	eP	P	22 30 03.8 +1.0
TOLK				LR	LR	
TOLK	comp=Z,11um,20.0s Toolik Lake Re baz=267	45.35	28	P	P	22 30 02.4 -0.4
TOLK				S	S	22 36 40.3 -2.2
KURK	comp=Z,15um,18.0s Kurchatov SNR=165	45.37	306	eP	P	22 30 02.8 -0.4
KURK				LR	LR	
KURK	comp=Z,15um,18.0s Kurchatov SNR=165	45.37	306	P	P	22 30 03.3 +0.1
KURK				eP	P	22 30 02.8 -0.4
KURK	comp=Z,412nm,0.9s	45.37	306	eP	P	22 30 02.8 -0.4
KURK				MLR	MLR	
SEW	comp=Z,15um,18.0s Seward	45.52	40	PFAKE	LR	22 30 20.0 +16
SEW				LR	LR	
MCK	comp=Z,8um,19.0s McKinley comp=Z,78nm,0.9s	45.54	35	eP	P	22 30 05.0 +0.6
MCK				LR	LR	
PMR	comp=Z,8um,19.0s Palmer	45.56	38	eP	P	22 30 04.2 -0.2
PMR				eP	P	22 30 04.2 -0.2
RND	comp=Z,121nm,1.2s Reindeer	45.59	36	eP	LR	22 30 04.7 -0.1
RND				P	P	22 30 04.7 -0.1
RND	comp=Z,8um,20.0s	45.59	36	eP	P	22 30 04.7 -0.1
RND				MLR	MLR	
GHO	comp=Z,8um,20.0s Glory Hole Cre comp=Z,227nm,1.3s	45.64	38	eP	P	22 30 05.6 +0.4
GHO				LR	LR	
MDM	comp=Z,6um,19.0s Murphy Dome comp=Z,132nm,1.1s	45.81	34	eP	P	22 30 07.0 +0.5
PATY	comp=Z,8um,20.0s Pattaya	45.83	246	P	P	22 30 08.4 +1.2
WRH	comp=Z,24nm,0.7s,comp=Z,492nm Wood River Hill comp=Z,57nm,0.9s	45.88	34	eP	P	22 30 07.3 +0.2
WRH				LR	LR	
SML	comp=Z,8um,20.0s Sawmill	45.92	38	eP	P	22 30 07.8 +0.4
SML				LR	LR	
SML	comp=Z,10um,19.0s	45.92	38	eP	P	22 30 07.8 +0.4
SML				P	P	22 30 07.8 +0.4
SML	comp=Z,140nm,1.0s	45.92	38	eP	P	22 30 07.8 +0.4
SML				MLR	MLR	
COLA	comp=Z,10um,19.0s College	45.97	34	eP	P	22 30 09.0 +1.3
COLA				LR	LR	
COLA	comp=Z,100nm,0.8s	45.97	34	eP	P	22 30 09.0 +1.3
COLA				MLR	MLR	
CCB	comp=Z,100nm,0.8s Clear Creek Bu comp=Z,83nm,1.3s	46.00	34	eP	P	22 30 08.5 +0.6
CCB				LR	LR	
SRDT	comp=Z,6um,20.0s SRDT	46.11	249	P	P	22 30 10.2 +0.8
DHY	comp=Z,7.1nm,1.0s,comp=Z,2um Denali Highway comp=Z,283nm,1.6s	46.27	36	eP	P	22 30 11.3 +1.0
DHY				LR	LR	
ILAR	comp=Z,8um,20.0s Eielson Array	46.39	34	eP	P	22 30 10.9 -0.2
ILAR				P	P	22 30 10.8 -0.2
ILAR	comp=Z,34nm,0.9s,baz=264,slow=6.1,SNR=121	46.39	34	eP	P	22 30 10.8 -0.2
ILAR				LR	LR	22 50 52.7
ILB	comp=Z,4um,20.6s,baz=294,slow=38 Eielson Array	46.39	34	eP	P	22 30 10.8 -0.2
SCM	comp=Z,83nm,0.8s Sheep Creek Mo	46.39	38	eP	P	22 30 12.0 +0.8
SCM				LR	LR	
SCM	comp=Z,6um,20.0s	46.39	38	eP	P	22 30 12.0 +0.8
SCM				P	P	22 30 12.0 +0.8
SCM	comp=Z,83nm,0.8s	46.39	38	eP	P	22 30 12.0 +0.8
SCM				MLR	MLR	
GLI	comp=Z,6um,20.0s Glacier Island	46.60	39	eP	P	22 30 12.9 +0.2
GLI				LR	LR	
GLI	comp=Z,49nm,0.8s	46.60	39	eP	P	22 30 12.9 +0.2
GLI				LR	LR	
SBUM	comp=Z,2um,20.0s Sibu	46.63	225	eP	P	22 30 14.1 +0.6
SBUM				LR	LR	
SBUM	comp=Z,40nm,1.0s	46.63	225	eP	P	22 30 14.1 +0.6
SBUM				LR	LR	
SHLS	comp=Z,6um,20.0s Shalkode	46.84	296	iP	P	22 30 12.3 -2.7
SHLS				eS	S	22 37 00.0 -4.7
SHLS	comp=Z,432nm,19.0s	46.84	296	iP	P	22 30 12.3 -2.7
SHLS				LR	LR	22 50 17.0
TARA	comp=Z,23um,16.1s Tarawa	46.87	137	eP	P	22 30 15.9 +0.6
TARA				LR	LR	
TARA	comp=Z,221nm,1.1s	46.87	137	eP	P	22 30 15.9 +0.6
TARA				LR	LR	
JOHN	comp=Z,7um,20.0s Johnston Islan	46.90	105	PFAKE	LR	22 30 30.0 +14
JOHN				LR	LR	
FID	comp=Z,20um,20.0s Port Fidalgo	46.91	39	eP	P	22 30 16.3 +1.1
FID				LR	LR	
FID	comp=Z,95nm,1.1s	46.91	39	eP	P	22 30 16.3 +1.1
FID				LR	LR	
TDK	comp=Z,9um,19.0s Taldyqorghan	46.99	299	eS	S	22 37 06.3 -0.3
TDK				LR	LR	22 50 00.4
FYU	comp=Z,41um,16.6s Fort Yukon	46.99	31	eP	P	22 30 17.3 +1.6
FYU				LR	LR	
FYU	comp=Z,647nm,1.7s	46.99	31	eP	P	22 30 17.3 +1.6
FYU				LR	LR	
KLU	comp=Z,76nm,0.8s Klutina	47.10	38	eP	P	22 30 17.3 +0.6
KLU				LR	LR	
KLU	comp=Z,8um,20.0s	47.10	38	eP	P	22 30 17.3 +0.6
KLU				LR	LR	
PAX	comp=Z,97nm,1.5s Paxson	47.15	36	eP	P	22 30 18.9 +1.8
PAX				LR	LR	
PAX	comp=Z,10um,20.0s	47.15	36	eP	P	22 30 18.9 +1.8
PAX				P	P	22 30 18.9 +1.8
PAX	comp=Z,97nm,1.5s	47.15	36	eP	P	22 30 18.9 +1.8
PAX				MLR	MLR	
UZB	comp=Z,10um,20.0s Uzynbulak	47.15	296	iP	P	22 30 16.1 -1.4
UZB				eS	S	22 37 08.8 -0.4
UZB	comp=Z,222nm,2.8s	47.15	296	iP	P	22 30 16.1 -1.4
UZB				LR	LR	22 50 34.6
DIV	comp=Z,10um,14.7s Divide	47.21	39	eP	P	22 30 18.2 +0.6
DIV				LR	LR	
DIV	comp=Z,108nm,1.1s	47.21	39	eP	P	22 30 18.2 +0.6
DIV				LR	LR	
EYAK	comp=Z,11um,21.0s Cordova Ski Ar comp=Z,83nm,1.1s	47.30	39	eP	P	22 30 20.1 +1.9
EYAK				LR	LR	
EYAK	comp=Z,11um,19.0s	47.30	39	eP	P	22 30 20.1 +1.9
EYAK				LR	LR	
HARP	comp=Z,239nm,1.1s HAARP	47.35	37	eP	P	22 30 20.8 +2.2
HARP				LR	LR	
HARP	comp=Z,6um,20.0s	47.35	37	eP	P	22 30 20.8 +2.2
HARP				LR	LR	
RIDG	comp=Z,80nm,1.0s Independ'e Rid	47.35	35	eP	P	22 30 18.3 -0.3
RIDG				LR	LR	
RIDG	comp=Z,7um,20.0s	47.35	35	eP	P	22 30 18.3 -0.3
RIDG				LR	LR	
ZHN	comp=Z,194nm,2.5s Zhinishe	47.55	296	eP	P	22 30 20.4 -0.2
ZHN				eS	S	22 37 14.6 -0.2
ZHN	comp=Z,194nm,2.5s	47.55	296	eP	P	22 30 20.4 -0.2
ZHN				LR	LR	22 50 50.9
SATY	comp=Z,12um,15.3s Saty	47.60	296	iP	P	22 30 20.9 -0.1
SATY				eS	S	22 37 15.4 -0.2
SATY	comp=Z,389nm,2.6s	47.60	296	iP	P	22 30 20.9 -0.1
SATY				LR	LR	22 50 47.6
ODAN	comp=Z,15um,14.3s Odare	47.69	272	eP	P	22 30 22.1 +0.2
ODAN				LR	LR	
ODAN	comp=Z,700nm,1.0s	47.69	272	eP	P	22 30 22.1 +0.2
ODAN				LR	LR	

SCRK	comp=Z,79nm,0.7s Sand Creek	47.71	35	eP	P	22 30 21.1 -0.4
SCRK				LR	LR	
DOT	comp=Z,6um,22.0s Dot Lake	47.71	35	eP	P	22 30 22.1 +0.7
DOT				LR	LR	
DOT	comp=Z,60nm,0.9s	47.71	35	eP	P	22 30 22.1 +0.7
DOT				LR	LR	
BMRM	comp=Z,9um,20.0s Bremner River	47.80	39	eP	P	22 30 23.2 +1.1
BMRM				LR	LR	
BMRM	comp=Z,186nm,1.1s	47.80	39	eP	P	22 30 23.2 +1.1
BMRM				LR	LR	
PRZ	comp=Z,10um,21.0s Przheval'sk	47.80	295	eP	P	22 30 23.8 +1.2
PRZ				LR	LR	
PRZ	comp=Z,305nm,1.0s	47.80	295	eP	P	22 30 23.8 +1.2
PRZ				LR	LR	
PRZ	comp=Z,87um,19.0s	47.80	295	eP	P	22 30 23.8 +1.2
PRZ				P	P	22 30 23.8 +1.2
PRZ	comp=Z,305nm,1.0s	47.80	295	eP	P	22 30 23.8 +1.2
PRZ				MLR	MLR	
RAGM	comp=Z,293nm,1.6s Ragged Mountai	47.85	40	eP	P	22 30 25.5 +3.0
RAGM				LR	LR	
RAGM	comp=Z,12um,19.0s	47.85	40	eP	P	22 30 25.5 +3.0
RAGM				LR	LR	
JIRN	comp=Z,458nm,0.8s Jiri	48.21	274	eP	P	22 30 26.3 +0.2
JIRN				LR	LR	
JIRN	comp=Z,458nm,0.8s	48.21	274	eP	P	22 30 26.3 +0.2
JIRN				LR	LR	
RAMN	comp=Z,893nm,1.0s Rante	48.25	273	eP	P	22 30 26.3 0.0
RAMN				LR	LR	
RAMN	comp=Z,893nm,1.0s	48.25	273	eP	P	22 30 26.3 0.0
RAMN				LR	LR	
GUN	comp=Z,1um,0.8s Gumba	48.32	274	eP	P	22 30 27.0 0.0
GUN				LR	LR	
GUN	comp=Z,1um,0.8s	48.32	274	eP	P	22 30 27.0 0.0
GUN				LR	LR	
MDOK	comp=Z,4um,4.9s Mledoo	48.51	297	iP	P	22 30 28.1 +0.1
MDOK				eS	S	22 37 28.9 +0.5
MDOK	comp=Z,4um,4.9s	48.51	297	iP	P	22 30 28.1 +0.1
MDOK				LR	LR	22 50 49.6
MDOK	comp=Z,31um,14.9s	48.58	297	iP	P	22 30 28.5 0.0
MDOK				LR	LR	
AAA	comp=Z,1um,4.4s	48.58	297	iP	P	22 30 28.5 0.0
AAA				eS	S	22 37 29.7 +0.4
AAA	comp=Z,1um,4.4s	48.58	297	iP	P	22 30 28.5 0.0
AAA				LR	LR	22 51 03.9
AAA	comp=Z,29um,15.7s	48.58	297	eP	P	22 30 29.2 +0.7

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YMR	Madison River comp=Z,89nm,1.3s	72.72	46	eP	P	22 33 14.6	+1.4
YMR				LR	LR		
FAQ	AI Fac Dubai SNR=42	72.86	288	iP	P	22 33 13.7	-0.4
AKASG	Malin Array Be comp=Z,48nm,0.8s,baz=44,slo=5.9,SNR=62	72.95	323	P	P	22 33 13.1	-1.1
AKB6	Malin Array Si SNR=42	72.95	323	eP	P	22 33 13.9	-0.2
KIEV	Kiev comp=Z,130nm,1.0s	72.96	323	eP	P	22 33 13.5	-0.7
KIEV				LR	LR		
KIEV	comp=Z,20um,19.0s						
KIEV	Kiev SNR=46	72.96	323	iP	P	22 33 13.6	-0.6
KIEV	Kiev	72.96	323	eP	P	22 33 13.2	-1.0
KIEV				pmax	pmax		
KIEV	comp=Z,81nm,1.0s						
KIEV	comp=Z,26um,16.0s			MLR	MLR		
SFJD	Kangerlussuaq comp=Z,81nm,0.9s	72.98	6	eP	P	22 33 14.4	+0.4
SFJD				ePP	PP	22 35 56.4	+0.6
SFJD				LR	LR		
SFJD	comp=Z,11um,20.0s						
SFJD	Kangerlussuaq comp=Z,69nm,0.9s	72.98	6	iP	P	22 33 14.8	+0.7
SFJD	comp=Z,10um,20.0s						
SFJD	Kangerlussuaq comp=Z,69nm,0.9s	72.98	6	iP	P	22 33 14.8	+0.7
SFJD				MLR	MLR		
SFJD	comp=Z,10um,20.0s						
SMMC	Simmler baz=307	72.99	58	P	P	22 33 16.2	+1.5
AK11	Malin Array Si SNR=13	72.99	323	eP	P	22 33 14.0	-0.4
ARQ	Araq	73.01	286	P	P	22 33 17.1	+2.0
TIN	Tinemaha, Big baz=307	73.08	56	P	P	22 33 16.2	+0.9
LKWY	Lake comp=Z,62nm,1.0s	73.10	46	eP	P	22 33 15.8	+0.3
H17A	Grant Village comp=Z,54nm,1.0s	73.11	46	eP	P	22 33 18.4	+2.8
H17A	Grant Village baz=310	73.11	46	eP	P	22 33 17.2	+1.6
ASUD	AI Ashush, Dub SNR=24	73.13	288	iP	P	22 33 15.6	-0.1
ALNE	AI Ain SNR=32	73.16	287	iP	P	22 33 15.5	-0.4
OSL	Oslo SNR=32	73.19	337	eP	P	22 33 15.9	+0.5
IMW	Indian Meadow comp=Z,44nm,1.1s	73.22	47	eP	P	22 33 17.5	+1.2
FLWY	Flagg Ranch comp=Z,185nm,1.6s	73.24	46	eP	P	22 33 18.7	+2.4
VES	Vestal, Richgr baz=307	73.27	57	P	P	22 33 16.7	+0.4
SUW	Suwalki	73.29	328	eP	P	22 33 15.6	-0.5
SUW				eS	S	22 42 42.1	-1.5
SUW				LMZ	LMZ	23 07 55.4	
SUW	comp=Z,24um,18.4s						
SUW	Suwalki	73.29	328	eP	P	22 33 15.9	-0.3
SUW	comp=Z,232nm,1.2s			LR	LR		
SUW	comp=Z,24um,18.0s						
SUW	Suwalki	73.29	328	eP	P	22 33 15.6	-0.5
SUW				eS	S	22 42 42.1	-1.5
SUW				eS	S	22 33 18.1	+1.2
FXWY	Fox Creek comp=Z,60nm,1.2s	73.34	47	eP	P	22 33 18.1	+1.2
RLMT	Red Lodge comp=Z,78nm,1.4s	73.36	45	eP	P	22 33 19.1	+2.1
RLMT				LR	LR		
RLMT	comp=Z,4um,19.0s						
RLMT	Red Lodge baz=510	73.36	45	P	P	22 33 16.4	-0.6
PKM	Mcherson Peak baz=307,SNR=14	73.36	58	P	P	22 33 15.8	-1.3
FOO	Floro SNR=14	73.39	341	eP	P	22 33 15.8	-0.7
AJN	Aiban SNR=7.7	73.42	288	iP	P	22 33 16.6	-0.7
MOOW	Moose Ponds comp=Z,80nm,1.4s	73.42	47	eP	P	22 33 18.7	+1.3
HYA	Hoyanger comp=Z,80nm,1.4s	73.45	340	eP	P	22 33 17.2	+0.3
TPAW	Teton Pass comp=Z,106nm,1.4s	73.47	47	eP	P	22 33 18.5	+0.3
HVU	Hansel Valley comp=Z,36nm,1.1s	73.51	49	eP	P	22 33 18.8	+0.9
HVU				LR	LR		
HVU	comp=Z,3um,20.0s						
HVU	Hansel Valley	73.51	49	eP	P	22 33 18.8	+0.9
HVU				pmax	pmax		
HVU	comp=Z,36nm,1.1s						
HVU	comp=Z,3um,20.0s			MLR	MLR		
CWC	Cottonwood Cre baz=308	73.55	56	P	P	22 33 17.6	-0.6
LOHW	Long Hollow comp=Z,45nm,1.3s	73.59	47	eP	P	22 33 20.2	+1.8
REDW	Red Top Meadow comp=Z,73nm,1.3s	73.61	47	eP	P	22 33 20.3	+1.8
REDW				LR	LR		
GRAC	Grapevine Rang baz=308,SNR=21	73.67	55	P	P	22 33 18.0	-0.7
SBC	Santa Barbara baz=307	73.70	59	P	P	22 33 19.7	+0.9
KONO	Kongsberg comp=Z,43nm,0.8s	73.75	337	eP	P	22 33 19.3	+0.6
KONO				LR	LR		
KONO	comp=Z,23um,20.0s						
KONO	Kongsberg	73.75	337	eP	P	22 33 19.3	+0.6
KONO				pmax	pmax		
KONO	comp=Z,43nm,0.8s						
KONO				MLR	MLR		
KONO	comp=Z,23um,20.0s						
KONO	Kongsberg	73.75	337	eP	P	22 33 18.9	+0.2
ISA	Isabella, Lake comp=Z,30nm,1.1s	73.77	57	eP	P	22 33 19.8	+0.4
ISA				ePP	PP	22 36 03.2	-0.3
ISA				LR	LR		
ISA	comp=Z,3um,22.0s						
ISA	Isabella, Lake	73.77	57	eP	P	22 33 19.8	+0.4
ISA				e	e	22 36 03.2	
ISA				pmax	pmax		
ISA	comp=Z,30nm,1.1s						
ISA	comp=Z,3um,22.0s			MLR	MLR		
ISA	Isabella, Lake	73.77	57	P	P	22 33 19.1	-0.3
DGMT	Dagmar baz=308,SNR=16	73.79	40	eP	P	22 33 20.3	+1.1
DGMT							
DGMT	comp=Z,51nm,0.9s			LR	LR		
DGMT	comp=Z,4um,21.0s						
DGMT	Dagmar	73.79	40	P	P	22 33 17.8	-1.4
AHID	Auburn Hatcher comp=Z,26nm,1.0s	73.85	48	eP	P	22 33 20.3	+0.4
AHID				LR	LR		
ARVC	Arvin baz=308	73.86	58	P	P	22 33 18.3	-1.5
BGU	Big Grassy Mou comp=Z,46nm,1.4s	73.89	50	eP	P	22 33 21.7	+1.6
BGU				LR	LR		
SUE	Sulen	73.92	340	eP	P	22 33 20.8	+1.2
R11A	Troy Canyon, C comp=Z,125nm,1.8s	73.95	53	eP	P	22 33 21.1	+0.6
R11A				LR	LR		
R11A	comp=Z,3um,20.0s						
R11A	Troy Canyon, C baz=308,SNR=47	73.95	53	P	P	22 33 20.9	+0.3
LAO	LASA Array comp=Z,347nm,2.0s	73.95	42	eP	P	22 33 22.3	+2.0
LAO				LR	LR		
LAO	comp=Z,5um,19.0s						
LAO	LASA Array baz=312	73.95	42	P	P	22 33 19.8	-0.5
DAC	Darwin (Calif) comp=Z,30nm,1.0s	73.96	56	eP	P	22 33 21.3	+0.7
DAC							
DAC	Darwin (Calif)	73.96	56	eP	P	22 33 21.3	+0.7
DAC				pmax	pmax		
SPUT	South Promonto comp=Z,52nm,1.3s	73.99	49	eP	P	22 33 22.4	+1.7
SCZ2	Santa Cruz Isl baz=308	74.02	59	P	P	22 33 20.2	-0.6

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KLNR	Kaliningrad KLNR	74.05	330	iP	P	22 33 20.6	+0.1
KLNR				pmax	pmax		
MPMC	Manual Prospec Three Creeks	74.16	56	P	P	22 33 21.8	0.0
OSI	Osito Audit: C comp=Z,38nm,0.8s	74.24	58	eP	P	22 33 24.1	+2.0
OSI				LR	LR		
OSI	comp=Z,4um,21.0s						
OSI	Osito Audit: C baz=308	74.24	58	P	P	22 33 22.9	+0.7
ASK	Askoy SNR=34	74.29	340	eP	P	22 33 23.0	+1.2
FURC	Furnace Creek, baz=308	74.31	56	P	P	22 33 22.4	+0.1
HWUT	Hardware Ranch comp=Z,109nm,1.5s	74.32	49	eP	P	22 33 23.5	+0.8
HWUT				LR	LR		
HWUT	comp=Z,2um,20.0s						
SIM	Simferopol	74.32	316	iP	P	22 33 21.8	-0.5
SIM				iPPP	PPP	22 37 56.0	
SIM				iS	S	22 42 55.0	-0.5
SIM				pmax	pmax		
SIM	comp=Z,85nm,0.8s						
BLG	Laguna Peak, P baz=308	74.33	59	P	P	22 33 23.4	+0.8
BER	Beigen	74.34	340	eP	P	22 33 22.8	+0.6
ODDI	Odida	74.39	339	eP	P	22 33 23.7	+1.2
LRMC	Laurel Mt Rad baz=308,SNR=20	74.39	57	P	P	22 33 23.5	+0.4
TPNV	Topopah Spring comp=Z,56nm,1.0s	74.40	55	eP	P	22 33 23.8	+0.6
TPNV				LR	LR		
TPNV	comp=Z,4um,21.0s						
TPNV	Topopah Spring	74.40	55	eP	P	22 33 23.8	+0.6
TPNV				pmax	pmax		
TPNV	comp=Z,56nm,1.0s						
TPNV	comp=Z,4um,21.0s						
TPNV	Topopah Spring baz=310,SNR=22	74.42	47	P	P	22 33 24.5	+0.5
DUG	Dugway, Toeole comp=Z,36nm,0.9s	74.48	50	eP	P	22 33 24.4	+0.8
DUG	Dugway, Toeole	74.48	50	eP	P	22 33 24.4	+0.8
DUG				pmax	pmax		
DUG	comp=Z,36nm,0.9s						
DUG	Dugway, Toeole baz=309,SNR=22	74.48	50	P	P	22 33 23.7	+0.1
SNCC	San Nicolas Is comp=Z,63nm,0.9s	74.55	60	eP	P	22 33 23.7	-0.2
SNCC				P	P	22 33 23.6	-0.3
EDW2	Edwards Air Fo baz=308,SNR=26	74.56	57	P	P	22 33 24.1	+0.2
BW06	Boulder Array comp=Z,56nm,1.3s	74.72	47	eP	P	22 33 24.6	-0.5
BW06				LR	LR		
BW06	comp=Z,3um,19.0s						
BW06	Boulder Array baz=310,SNR=22	74.72	47	P	P	22 33 24.5	-0.5
PD31	Pinedale Array	74.72	47	eP	P	22 33 24.6	-0.4
PDAR	Pinedale Array	74.72	47	eP	P	22 33 24.4	-0.6
PDAR							
PDAR	comp=Z,4.4nm,0.6s,baz=267,slo=1.5,SNR=37						
PDAR	Pinedale Array comp=Z,164nm,1.3s	74.72	47	eP	P	22 33 23.8	-1.2
TCUT	Toone Canyon comp=Z,164nm,1.3s	74.72	49	eP	P	22 33 25.5</	

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like EYMN, OGNE, BZS, INVG, DGAR, SDCO, NKC, KNC, EAB, RAR, BHL, MPEP, TUC, PGBU, ECSD, ECSD, RAYN, RAYN, RAYN, KHC, KHC, KHC, KHC, CONA, ESK, ESK, ESK, WTSB, E38A, E38A, C40A, C40A, SHBL, GEC2, GEC2, GEC2, GERES, GERES, GERES, GEA0, ASF, ASF, GRFO, GRFO, GRFO, MAMC, F38A, ALN, ALN, ALN, T25A, T25A, CSS.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like CSS, CSS, CSS, MMAI, MMAI, RDO, RZN, SPMM, SPMM, ARSA, VTS, VTS, VTS, VTS, KESW, KESW, MOA, E39A, BEHE, BEHE, LAZ, ANMO, ANMO, ANMO, ANMO, ALFC, MANT, BGNE, BGNE, HPK, HPK, F39A, E40A, CLGH, CLGH, LENN, D41A, D41A, G38A, Y22D, Y22D, DIVS, DIVS, DIVS, LPM, PNCY, MMB, BNM, F40A, H38A, H38A, KKB, G39A, PERS, PERS, PERS, SOKA, SOKA, SCHQ, SCHQ, SCHQ, E41A, IOMK, WACR, WACR, LBWR, LBWR, LBWR, HGN, HGN, BEBN, 319A, 319A, DOB, TAU, MEM, COWI, COWI, BBLs, SRS, ZAG, HAPS, 121A, OBKA, GMM, H39A, G40A, G40A, G40A, K36A.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like E42A, CRES, F41A, F41A, STIP, CWF, CWF, UCC, UCC, UCC, BLY, BLY, BLY, BLY, CBKS, CBKS, STU, STU, STU, MYKA, VAY, HSIG, HSIG, OZLJ, PLE, SKO, LJU, LJU, LJU, LJU, LJU, LJU, LJU, LJU, WATA, SRIG, SRIG, WTTA, E43A, E43A, HIZ, HIZ, FOEL, FOEL, FOEL, F42A, I39A, I39A, WLF, WLF, WLF, WLF, PVY, CHOS, KOME, ABTA, UPM, UPM, CEY, MOTA, RETA, LLW, DOU, E44A, E44A, H41A, H41A, HLM1, HLM1, G42A, G42A, MXZ, MXZ, NKY, J39A, KRUS, F43A, BFO, BFO, BFO, TRI.

K48A	Perry	87.27	33	P	P	22 34 29.0	-2.5
LBZ	Lake Benmore	87.28	161	eP	P	22 34 34.1	+2.9
LBZ	comp=Z,123nm,1.7s			LR	LR		
TX31	Lajitas Ar. Si	87.32	54	eP	P	22 34 32.4	+0.2
TXAR	Lajitas Array	87.32	54	P	P	22 34 31.3	-0.8
ABTX	Ablene, Hawle	87.38	49	eP	P	22 34 33.1	+0.8
ABTX	comp=Z,57nm,1.2s			LR	LR		
ABTX	comp=Z,3um,19.0s			LR	LR		
ABTX	Ablene, Hawle	87.38	49	P	P	22 34 32.5	+0.2
N45A	Kentland	87.38	36	P	P	22 34 31.4	-0.7
TIP	Timpagrade	87.38	321	eP	P	22 34 33.5	+1.2
TIP	comp=Z,64nm,1.2s			LR	LR		
TIP	comp=Z,19um,19.0s			LR	LR		
TIP	Timpagrade	87.38	321	eP	P	22 34 33.5	+1.2
P43A	Skaggs, Pawnee	87.41	38	P	P	22 34 31.3	-1.0
DAMY	Dhamar	87.41	287	eP	P	22 34 33.4	+0.3
DAMY	comp=Z,90nm,1.1s			LR	LR		
DAMY	Wanaka	87.41	162	PFAKE	LR	22 34 40.0	+8.2
WKZ	Wanaka	87.41	162	PFAKE	LR	22 34 40.0	+8.2
M46A	Old House Fiel	87.45	35	PFAKE	LR	22 34 40.0	+7.6
M46A	comp=Z,6um,18.0s			LR	LR		
M46A	Old House Fiel	87.45	35	P	P	22 34 31.6	-0.8
L47A	Sherwood	87.49	34	P	P	22 34 30.8	-1.8
Q42A	Golden Eagle	87.50	39	P	P	22 34 32.9	+0.2
O44A	Mansfield	87.50	37	P	P	22 34 31.7	-1.0
SSB	Saint Sauveur	87.51	332	eP	P	22 34 32.4	-0.3
SSB	comp=Z,10um,19.0s			LR	LR		
SSB	Saint Sauveur	87.51	332	eP	P	22 34 32.4	-0.3
SSB	comp=Z,36nm,1.0s			MLR	MLR		
T39A	Cleaver	87.53	42	P	P	22 34 32.4	-0.5
R41A	Rosebud	87.56	40	P	P	22 34 32.6	-0.5
SADO	Sadowa	87.58	29	PFAKE	LR	22 34 40.0	+7.0
SADO	comp=Z,5um,20.0s			LR	LR		
N46A	Monticello	87.69	36	P	P	22 34 33.3	-0.4
MLZ	Mavora Lakes	87.71	163	PFAKE	LR	22 34 40.0	+6.7
MLZ	comp=Z,5um,20.0s			LR	LR		
HPIG	comp=Z,28nm,1.0s			LR	LR		
HPIG	comp=Z,3um,19.0s			LR	LR		
O45A	Potomac	87.76	36	P	P	22 34 33.4	-0.6
HHAR	Hobbs	87.81	43	eP	P	22 34 34.5	+0.2
HHAR	comp=Z,17nm,1.0s			LR	LR		
M47A	Cromwell	87.81	35	P	P	22 34 33.8	-0.4
L8M	Cathedral Cave	87.81	40	P	P	22 34 35.8	+1.6
CCM	N Adams	87.84	33	P	P	22 34 33.3	-1.0
SLM	Saint Louis	87.86	39	eP	P	22 34 34.8	+0.3
SLM	comp=Z,4um,18.0s			LR	LR		
SLM	Saint Louis	87.86	39	eP	P	22 34 34.8	+0.3
SLM	comp=Z,60nm,1.0s			MLR	MLR		
R42A	Luebering	87.86	40	P	P	22 34 33.8	-0.7
AAM	Ann Arbor	87.87	33	PFAKE	LR	22 34 50.0	+16
AAM	comp=Z,4um,20.0s			LR	LR		
AAM	Ann Arbor	87.87	33	P	P	22 34 34.5	+0.1
Q43A	New Douglas	87.88	38	P	P	22 34 33.5	-1.0
T40A	Mansfield	87.88	41	P	P	22 34 33.6	-1.0
TRQ	Mont Tremblant	87.91	25	eP	P	22 34 34.8	+0.1
S41A	Jilco Farms,	87.93	41	P	P	22 34 33.8	-1.0
SFIN	Lafayette	87.94	36	eP	P	22 34 35.2	+0.4
SFIN	comp=Z,29nm,0.9s			LR	LR		
SFIN	Lafayette	87.94	36	P	P	22 34 33.1	-1.7
P49A	Sand Creek, Wi	87.97	38	P	P	22 34 34.1	-0.8
U33A	Green Forest	87.97	42	P	P	22 34 33.5	-1.6
L49A	Milan	87.99	33	P	P	22 34 35.1	+0.1
ODZ	Otahua Downs	88.01	161	PFAKE	LR	22 34 50.0	+15
ODZ	comp=Z,5um,21.0s			LR	LR		
PLVO	Plevna	88.09	27	eP	P	22 34 36.2	+0.8
PLVO	comp=Z,30nm,1.1s			LR	LR		
M48A	Edgerton	88.10	34	eP	P	22 34 36.9	+1.3
M48A	comp=Z,4um,20.0s			LR	LR		
M48A	Edgerton	88.10	34	P	P	22 34 34.7	-0.9
N47A	Urbana	88.17	35	P	P	22 34 34.7	-1.2
Q44A	Meyer Farm, Va	88.23	38	P	P	22 34 35.4	-0.8
S42A	Caledonia	88.26	40	P	P	22 34 35.2	-1.2
R43A	Red Bud	88.29	39	P	P	22 34 35.7	-0.8
V39A	Pettigrew	88.30	43	P	P	22 34 36.0	-0.7
U40A	Yellville	88.31	42	P	P	22 34 35.4	-1.3
P45A	Graceland, Par	88.33	37	eP	P	22 34 37.0	+0.3
P45A	comp=Z,4um,18.0s			LR	LR		
P45A	Graceland, Par	88.33	37	P	P	22 34 36.6	-0.1
T41A	Mountain View	88.34	41	P	P	22 34 36.2	-0.6
M49A	Liberty Center	88.42	33	P	P	22 34 36.7	-0.4
N48A	Decatur	88.47	34	P	P	22 34 36.6	-0.8
O47A	Sheridan	88.47	36	P	P	22 34 36.1	-1.3
P46A	Rosedale	88.50	37	P	P	22 34 36.9	-0.6
CEL	Celeste	88.52	321	eP	P	22 34 37.4	-0.3
CEL	comp=Z,53nm,0.9s			LR	LR		
CEL	comp=Z,7um,19.0s			LR	LR		
Q45A	Warren Harvey	88.64	38	P	P	22 34 37.1	-1.0
T42A	Van Buren	88.69	41	eP	P	22 34 37.8	-0.6
T42A	comp=Z,53nm,1.4s			LR	LR		
T42A	Van Buren	88.69	41	P	P	22 34 38.1	-0.4
W39A	Magazine	88.72	43	eP	P	22 34 40.3	+1.7

W39A	comp=Z,58nm,1.4s			LR	LR		
W39A	Magazine	88.72	43	P	P	22 34 37.6	-0.9
R44A	Waltonville	88.72	39	P	P	22 34 37.1	-1.5
V40A	Witts Springs	88.75	42	eP	P	22 34 39.0	+0.2
V40A	comp=Z,5um,19.0s			LR	LR		
V40A	Witts Springs	88.75	42	P	P	22 34 37.8	-1.0
S43A	Ful Ridge,	88.77	40	P	P	22 34 38.5	-0.3
TBI	Tubuai	88.77	122	eS	S	22 45 21.7	-3.5
TBI	comp=Z,4um,25.0s			LR	LR		
TBI	Tubuai	88.77	122	eLR	LR	23 02 36.4	
TBI	comp=Z,7um,26.0s			LR	LR		
TBI	Tubuai	88.77	122	eT	T	00 12 45.2	
N49A	Columbus Grove	88.79	34	eP	P	22 34 38.9	0.0
N49A	comp=Z,36nm,1.0s			LR	LR		
N49A	Columbus Grove	88.79	34	P	P	22 34 38.1	-0.7
OLIL	Olney	88.80	38	eP	P	22 34 39.5	+0.6
OLIL	comp=Z,52nm,1.0s			LR	LR		
OLIL	Olney	88.80	38	P	P	22 34 37.8	-1.2
U41A	Viola	88.80	41	P	P	22 34 37.8	-1.2
JCT	Junction City	88.84	50	eP	P	22 34 39.9	+0.6
JCT	comp=Z,24nm,0.8s			LR	LR		
JCT	Junction City	88.84	50	eP	P	22 34 39.9	+0.6
JCT	comp=Z,4um,21.0s			MLR	MLR		
JCT	Junction City	88.84	50	P	P	22 34 38.9	-0.4
M50A	Fremont	88.87	33	PFAKE	LR	22 34 50.0	+11
M50A	comp=Z,3um,20.0s			LR	LR		
M50A	Fremont	88.87	33	P	P	22 34 39.0	-0.2
O48A	Farmland	88.91	35	P	P	22 34 38.3	-1.1
Q46A	CEJHS Indiana,	88.91	37	P	P	22 34 38.2	-1.3
P47A	Martinsville	89.04	36	P	P	22 34 38.4	-1.6
T43A	Greenville	89.05	40	P	P	22 34 39.0	-1.1
X39A	Fountain Ranch	89.06	44	P	P	22 34 39.6	-0.6
R45A	Skyler, Fairri	89.06	38	P	P	22 34 39.6	-0.6
S44A	Carbondale	89.07	39	P	P	22 34 39.5	-0.7
SIUC	Southern Illin	89.07	39	eP	P	22 34 40.3	+0.1
SIUC	comp=Z,5um,20.0s			LR	LR		
W40A	Ferguson Farm,	89.09	43	eP	P	22 34 40.6	+0.2
W40A	comp=Z,48nm,1.0s			LR	LR		
W40A	Ferguson Farm,	89.09	43	P	P	22 34 39.2	-1.1
WHTX	Lake Whitney,	89.10	48	eP	P	22 34 41.8	+1.4
WHTX	comp=Z,3um,18.0s			LR	LR		
WHTX	Lake Whitney,	89.10	48	P	P	22 34 39.1	-1.3
U42A	Mountainview	89.11	42	P	P	22 34 39.0	-1.5
BLO	Bloomington	89.18	36	eP	P	22 34 40.9	+0.2
BLO	comp=Z,54nm,1.4s			MLR	MLR		
BLO	Bloomington	89.18	36	eP	P	22 34 40.9	+0.2
BLO	comp=Z,5um,19.0s			MLR	MLR		
BLO	Bloomington	89.18	36	eP	P	22 34 41.3	+0.5
PBMO	Poplar Bluff	89.22	40	eP	P	22 34 41.3	+0.5
PBMO	comp=Z,67nm,1.3s			LR	LR		
M51A	Elyria	89.29	32	P	P	22 34 40.0	-1.1
LONY	Lake Ozonia	89.32	26	PFAKE	LR	22 34 50.0	+8.7
LONY	comp=Z,8um,20.0s			LR	LR		
LONY	Lake Ozonia	89.32	26	P	P	22 34 41.6	+0.4
MIAR	Mount Ida	89.32	44	eP	P	22 34 42.0	+0.5
MIAR	comp=Z,33nm,1.0s			LR	LR		
MIAR	Mount Ida	89.32	44	eP	P	22 34 42.0	+0.5
MIAR	comp=Z,4um,19.0s			MLR	MLR		
MIAR	Mount Ida	89.32	44	P	P	22 34 40.2	-1.3
O49A	Covington	89.33	34	eP	P	22 34 42.1	+0.8
O49A	comp=Z,142nm,2.0s			LR	LR		
O49A	Covington	89.33	34	P	P	22 34 39.8	-1.5
N50A	Nevada	89.35	33	P	P	22 34 40.0	-1.4
T44A	Benn	89.39	40	P	P	22 34 40.7	-1.0
S45A	Carrier Mills	89.41	39	P	P	22 34 41.5	-0.3
Q47A	Berd North L	89.41	36	P	P	22 34 41.0	-0.8
WHAR	Woolly Hollow	89.43	42	eP	P	22 34 41.8	-0.1
WHAR	comp=Z,52nm,1.0s			LR	LR		
P48A	Milroy	89.44	36	P	P	22 34 40.8	-1.1
BATG	Bathurst New B	89.44	19	eP	P	22 34 42.6	+0.8
BATG	comp=Z,49nm,1.0s			LR	LR		
FRNY	Flat Rock	89.46	25	PFAKE	LR	22 34 50.0	+8.1
FRNY	comp=Z,7um,19.0s			LR	LR		
MOQ	Mont Orford	89.46	24	eP	P	22 34 42.2	+0.2
PQI	Presque Isle	89.48	21	eP	P	22 34 43.1	+1.2
V42A	Cord	89.49	41	P	P	22 34 41.4	-0.8
R46A	Gibson Southern	89.49	38	P	P	22 34 40.4	-1.7
ERPA	Erie	89.51	31	eP	P	22 34 43.4	+1.2
ERPA	comp=Z,64nm,1.0s			LR	LR		
ERPA	Erie	89.51	31	P	P	22 34 41.7	-0.5
W41B	Gary Mavity, V	89.54	42	eP	P	22 34 42.5	+0.1
W41B	comp=Z,6um,20.0s			LR	LR		
W41B	Gary Mavity, V	89.54	42	P	P	22 34 41.7	-0.7
U43A	Rector	89.55	41	P	P	22 34 41.5	-1.0
N51A	Ashland	89.56	33	eP	P	22 34 42.2	-0.3
N51A	comp=Z,85nm,1.4s			LR	LR		
N51A	Ashland	89.56	33	P	P	22 34 40.6	-1.8

USIN	University of	89.62	38	PFAKE	LR	22 34 50.0	+7.2
USIN	comp=Z,4um,20.0s			LR	LR		
PARMO	Parma	89.64	40	PFAKE	LR	22 34 50.0	+7.1
PARMO	comp=Z,5um,19.0s						

1d 22h

2012 OCT

Table with columns: Station ID, Station Name, Time, Frequency, Mode, Signal, and other parameters. Includes stations like 250A, AAE, ABE, etc.

Table with columns: Station ID, Station Name, Time, Frequency, Mode, Signal, and other parameters. Includes stations like LVIG, PBDV, TLIG, etc.

Table with columns: Station ID, Station Name, Time, Frequency, Mode, Signal, and other parameters. Includes stations like BCIP, Isla Barro Col, SMRT, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BB19B, BB19B, BB19B, VAO, VAO, VAO, etc.

JMA 01 22:25:15.3±0.2, 39.36N; 143.40E, h21km, M4.7, Off east coast of Honshu

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

IDC 01 22:31:55.7±1.3, 36.91N; 141.69E, h0km, mb4.0/6, mb1 4.0/9, mb1mx3.8/5.1, mbtm3.9/9, ML3.3/3, Error ellipse: s-maj=3.1km s-min=19.2km az=74.0

ISCJB 01 22:31:57.1±1.7, 36.85N; 141.44E; 0.05, h14km, 11km, mb4.0/6, Error ellipse: s-maj=7.3km s-min=5.2km az=17.1

JMA 01 22:31:57.0±1.1, 36.85N; 141.39E, h28km, 1km, M3.9 JMA Felt J1

ISC 01 22:31:57.1±1.8, 36.87N; 141.37E; 0.07, h2km, 10km, n26, 1524/33, mb4.1/6, Near east coast of eastern Honshu

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ONAJ, ONAJ, ONAJ, JFK, JFK, JFK, etc.

ISCJB 01 22:35:57.9±1.1, 51.53N; 178.05W; 0.04, h10km, 6km, mb3.8/4, Error ellipse: s-maj=14.1km s-min=4.0km az=17.0

NEIC 01 22:35:58.7±0.1, 51.62N; 178.04W, h8km, ML3.6(AEIC), After ALC

IDC 01 22:35:59.3±0.5, 51.72N; 177.85W, h0km, mb3.8/5, mb1 4.2/6, mb1mx3.7/4.6, mbtm3.9/6, ML4.2/1, Error ellipse: s-maj=109.1km s-min=51.8km az=83.0

ISC 01 22:35:57.9±1.1, 51.53N; 178.05W; 0.03, h0km, 12km, n33, 1081/33, mb3.9/4, Andreanof Islands

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H11S2, H11S2, H11S2, H11S3, H11S3, H11S3, etc.

ISCJB 01 22:51:19.7±0.4, 8.89S; 175.49W; 0.06, h50km, mb4.3/17, MS3.6/1, Error ellipse: s-maj=8.5km s-min=6.4km az=179.1

NEIC 01 22:51:21.4±0.8, 8.92S; 175.53W, h52km, 8km, mb4.4/5, ML4.5(ARE), Error ellipse: s-maj=9.4km s-min=7.2km az=50.0

NEIC Felt J11 at Aquatia, IDC 01 22:51:22.1±1.8, 8.90S; 175.56W, h55km, 18km, mb4.1/14, mb1 4.2/20, mb1mx4.1/3.8, mbtm4.4/20, ML4.1/6, MS3.6/4, Ms1 3.6/4, Ms1mx3.4/3.1, Error ellipse: s-maj=15.3km s-min=11.2km az=78.0

ISC 01 22:51:21.5±0.4, 8.95S; 175.44W; 0.06, h50km, n44, 145/48, mb4.3/17, 1C, Central Peru

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NNA, NNA, NNA, NNA, NNA, etc.

NIED 01 22:55:00, 39.80N; 143.50E, h23km, Mw5.0 Best double couple: M3.3; 95000; 1019; NP1; 205.00000; 322.00000; 1.89.00000; NP2; 206.00000; 868.00000; 1.91.00000

JMA 01 22:55:44.6±0.2, 39.78N; 143.53E, h20km, 4km, M5.0 JMA Felt J1

ISCJB 01 22:55:47.5±0.8, 39.76N; 143.22E; 0.02, h24km, 5km, mb5.0/253, MS5.7/2, Error ellipse: s-maj=3.7km s-min=2.5km az=155.6

NEIC 01 22:55:47.2±0.1, 39.74N; 143.19E, h10km, mb5.2/159, Error ellipse: s-maj=4.1km s-min=2.5km az=155.0

NEIC Recorded (2 JMA) in Iwate, BUJ 01 22:55:48.2, 39.78N; 143.19E, h33km, mb5.1/65, mb5.7/20, Ms5.2/35, Ms7.0/34

IDC 01 22:55:49.2±1.1, 39.70N; 143.30E, h28km, 28km, mb4.5/39, mb1 4.0/48, mb1mx4.6/5.5, mbtm4.7/48, ML4.1/8, Ms4.7/6, Ms1 4.7/6, Ms1mx4.2/3.8, Error ellipse: s-maj=12.3km s-min=10.2km az=120.0

MOS 01 22:55:49.7±0.9, 39.88N; 143.20E, h36km, mb5.4/73, Error ellipse: s-maj=6.1km s-min=4.0km az=99.4

GCMT 01 22:55:52.0±0.4, 39.79N; 143.35E; 0.03, h14km, MW5.3/62, Moment Tensor Solution. s42,c60; s62,c81; Duration: 1s2 Moment tensor: Scale 1017Nm; Mn:0.31±.03; M0:0.04±.02; M0:0.27±.02; M0:0.48±.05; M0:0.05±.02; M0:0.88±.05; Best double couple: M1:0.04100*10^17 NP1: 28.00000; 682.00000; 1.64.00000; NP2: 184.00000; 39.00000; 1.66.00000

Principal axes: T: 1.0560; P1: 0.5500; Azm302.00000; N: -0.0480; P1g: 0.0000; Azm207.0000; P: -1.0180; P1g37.0000; Azm115.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 01 22:55:48.3±0.4, 39.80N; 143.33E; 0.04, h21km, 3km, h21km; pP-N, n87y, 129/904, mb5.1/268, 37C-24D, Off east coast of Honshu

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JTH, JTH, JTH, MIYJ, MIYJ, MIYJ, etc.

1d 22h

Table with columns for station code, name, frequency, and various signal quality metrics (e.g., SNR, SNR=18, 1.8s).

2012 OCT

Table with columns for station code, name, frequency, and various signal quality metrics (e.g., SNR, SNR=18, 1.8s).

54

Table with columns for station code, name, frequency, and various signal quality metrics (e.g., SNR, SNR=18, 1.8s).

IKP	In-Ko-Pah, Jac baz=309	77.11	58	P	P	23 07 41.5 +1.2
SWSC	Sam W. Stewart baz=309	77.12	58	P	P	23 07 42.0 +1.7
O20A	White River Ci comp=Z,22nm,1.0s	77.14	48	eP	P	23 07 44.7 +4.2
O20A	White River Ci baz=312	77.14	48	P	P	23 07 40.9 +0.4
U15A	North Rim baz=312	77.14	53	eP	P	23 07 42.8 +2.1
ILGA	Ilgaz comp=Z,37nm,1.2s	77.20	313	eP	P	23 07 43.2 +2.4
PDMC1	Parker Dam,Lak baz=310,SNR=5.6	77.36	56	P	P	23 07 42.8 +1.3
CFR	Carcalu baz=310	77.36	319	iP	P	23 07 41.8 +0.4
Y12C	Blythe baz=310	77.44	57	P	P	23 07 44.0 +1.9
OJC	Ojcow baz=310	77.57	327	eP	P	23 07 43.2 +0.7
OJC	Ojcow comp=Z,31nm,1.0s	77.57	327	eP	P	23 07 43.2 +0.7
OJC	Ojcow	77.57	327	eP	P	23 07 43.2 +0.7
OJC	Ojcow			pmx	pmx	
VRI	Vrincioia baz=310	77.58	320	iP	P	23 07 42.1 -0.6
UZH	Uzgorod	77.67	324	eP	P	23 07 43.6 +0.6
UZH				e		23 07 54.4
UZH				e		23 08 01.2
GLA	Glamis baz=310	77.69	57	P	P	23 07 44.9 +1.4
PV09	Paradox Valley Carpenter Ridge comp=Z,38nm,0.9s	77.70	50	eP	P	23 07 45.7 +1.8
PV23	Paradox Valley Carpenter Ridge comp=Z,38nm,0.9s	77.80	50	eP	P	23 07 45.6 +1.2
AGM10	Agassiz Nation baz=318	77.81	36	P	P	23 07 44.0 +0.1
PV10	Paradox Valley Lion Creek, Pa comp=Z,50nm,0.9s	77.83	50	eP	P	23 07 46.4 +1.9
PV14	Paradox Valley Lion Creek, Pa comp=Z,50nm,0.9s	77.85	50	eP	P	23 07 46.3 +1.7
ARCR	ARCALIA	77.85	322	iP	P	23 07 45.7 +1.6
OZUP	OZUP	77.88	321	iP	P	23 07 46.4 +1.6
PV22	Blue Mesa, Par comp=Z,37nm,0.9s	77.88	50	eP	P	23 07 46.3 +1.6
PV20	West Nyswonger Morning Glory comp=Z,44nm,0.9s	77.90	50	eP	P	23 07 46.6 +1.8
PV19	West Nyswonger Morning Glory comp=Z,44nm,0.9s	77.91	50	eP	P	23 07 46.5 +1.6
N23A	Red Feather La comp=Z,19nm,0.9s	77.93	46	eP	P	23 07 46.6 +1.5
N23A	Red Feather La comp=Z,19nm,0.9s	77.93	46	P	P	23 07 45.3 +0.3
PV17	East Wray Mesa comp=Z,64nm,0.8s	77.94	50	eP	P	23 07 46.7 +1.6
PV16	Nyswonger Mesa comp=Z,35nm,0.9s	77.95	50	eP	P	23 07 46.9 +1.8
NIE	Niedzica	77.96	326	eP	P	23 07 45.6 +0.9
NIE	Niedzica	77.96	326	eP	P	23 07 45.6 +0.9
NIE	Niedzica			MLR	MLR	
PV11	David Mesa, Pa comp=Z,39nm,0.8s	77.98	50	eP	P	23 07 47.1 +1.8
PV05	Paradox Valley Skein Mesa, Pa comp=Z,39nm,0.8s	78.00	50	eP	P	23 07 47.0 +1.5
PV18	Paradox Valley Skein Mesa, Pa comp=Z,39nm,0.8s	78.00	50	eP	P	23 07 47.1 +1.7
PV12	Saucer Basin comp=Z,17nm,0.8s	78.01	50	eP	P	23 07 48.2 +2.7
PV03	Paradox Valley Radium Mtn., P comp=Z,42nm,0.9s	78.03	50	eP	P	23 07 46.8 +1.3
PV13	Paradox Valley Radium Mtn., P comp=Z,42nm,0.9s	78.11	50	eP	P	23 07 47.3 +1.3
PV02	Paradox Valley comp=Z,41nm,1.4s	78.12	50	eP	P	23 07 48.6 +2.4
BR131	Keskin Array S comp=Z,41nm,1.4s	78.13	312	P	P	23 07 47.2 +1.2
BR131	Keskin Array S comp=Z,41nm,1.4s	78.13	312	P	P	23 07 46.4 +0.4
ISR	Istria comp=Z,5.2nm,1.1s,baz=106,slow=4.1,SNR=22	78.20	320	iP	P	23 07 47.3 +1.1
MLR	Muntele Rosu comp=Z,4.5nm,1.0s,baz=26,slow=4.7,SNR=6.3	78.23	320	iP	P	23 07 47.3 +0.9
PV01	Paradox Valley Wickenburg comp=Z,4.5nm,1.0s,baz=26,slow=4.7,SNR=6.3	78.27	50	eP	P	23 07 48.5 +1.6
Y14A	Wickenburg comp=Z,4.5nm,1.0s,baz=26,slow=4.7,SNR=6.3	78.29	56	eP	P	23 07 48.5 +1.6
WUAZ	Wupatki comp=Z,38nm,0.9s	78.29	53	P	P	23 07 48.6 +1.6
WUAZ	Wupatki comp=Z,38nm,0.9s	78.29	53	P	P	23 07 48.3 +1.3
ANTO	Ankara comp=Z,30nm,0.9s	78.51	313	eP	P	23 07 47.1 -0.9
ANTO	Ankara	78.51	313	iP	P	23 07 47.4 -0.6
ANTO	Ankara	78.51	313	eP	P	23 07 47.1 -0.9
ANTO	Ankara			pmx	pmx	
KSP	Ksiaz	78.53	329	eP	P	23 07 48.4 +0.6
KSP	Ksiaz	78.53	329	eP	P	23 07 48.4 +0.6
KSP	Ksiaz			MLR	MLR	
VOIR	Moravsky Berou comp=Z,18nm,1.0s	78.71	321	iP	P	23 07 49.8 +0.8
MORC	Moravsky Berou comp=Z,18nm,1.0s	78.85	328	eP	P	23 07 50.5 +0.8
MORC	Moravsky Berou comp=Z,18nm,1.0s	78.85	328	iP	P	23 07 50.6 +0.9
MORC	Moravsky Berou comp=Z,18nm,1.0s	78.85	328	eP	P	23 07 50.5 +0.8
MORC	Moravsky Berou comp=Z,18nm,1.0s			pmx	pmx	
MORC	Moravsky Berou comp=Z,18nm,1.0s	78.85	328	eP	P	23 07 50.3 +0.6
ISCO	Idaho Springs comp=Z,14nm,1.1s	78.86	47	eP	P	23 07 52.0 +1.7
ISCO	Idaho Springs comp=Z,14nm,1.1s	78.86	47	eP	P	23 07 52.0 +1.7
ISCO	Idaho Springs comp=Z,14nm,1.1s			pmx	pmx	
ISCO	Idaho Springs comp=Z,14nm,1.1s	78.86	47	P	P	23 07 51.1 +0.9
DPB	Dobruska-Polom comp=Z,24nm,1.4s	78.90	329	eP	P	23 07 51.0 +1.1
DPB	Dobruska-Polom comp=Z,24nm,1.4s	78.90	329	eP	P	23 07 51.0 +1.1
DPB	Dobruska-Polom comp=Z,24nm,1.4s			x	x	
DPB	Dobruska-Polom comp=Z,24nm,1.4s			e	e	
MVCO	Mesa Verde comp=Z,21nm,0.8s	78.93	51	eP	P	23 07 52.0 +1.3
MVCO	Mesa Verde comp=Z,21nm,0.8s	78.93	51	P	P	23 07 51.9 +1.3
KRLC	Kraliky comp=Z,21nm,0.8s	78.93	328	eP	P	23 07 51.8 +1.7
KRLC	Kraliky comp=Z,21nm,0.8s	78.93	328	eP	P	23 07 51.8 +1.7
ARR	Arges comp=Z,25nm,1.2s	78.96	321	iP	P	23 07 52.0 +1.6
PSZ	Piszkesteto comp=Z,25nm,1.2s	78.96	325	eP	P	23 07 53.1 +1.3
PSZ	Piszkesteto comp=Z,25nm,1.2s	79.26	325	iP	P	23 07 53.0 +1.0
LOT	Lotru comp=Z,25nm,1.2s	79.32	321	iP	P	23 08 04.0 +1.2
HUMR	Humele comp=Z,25nm,1.2s	79.40	320	iP	P	23 07 53.4 +0.7
BRG	Berggiesshubel comp=Z,13nm,1.5s	79.42	330	eP	P	23 07 53.0 +0.3
BRG	Berggiesshubel comp=Z,13nm,1.5s			e	e	23 08 01.0
BRG	Berggiesshubel comp=Z,13nm,1.5s	79.42	330	eP	P	23 07 53.0 +0.3
BRG	Berggiesshubel comp=Z,13nm,1.5s			pmx	pmx	23 08 01.0
BRG	Berggiesshubel comp=Z,13nm,1.5s			pmx	pmx	23 08 01.0
BRG	Berggiesshubel comp=Z,13nm,1.5s			pmx	pmx	23 08 01.0
CLL	Collim comp=Z,19nm,1.0s	79.43	331	eP	P	23 07 52.9 +0.1
CLL	Collim comp=Z,19nm,1.0s	79.43	331	iP	P	23 07 52.8 +0.1
CLL	Collim comp=Z,19nm,1.0s			e	e	23 08 01.0
CLL	Collim comp=Z,19nm,1.0s			i	i	23 08 10.5
CLL	Collim comp=Z,19nm,1.0s			ePP	ePP	23 10 52.0 -0.3
CLL	Collim comp=Z,19nm,1.0s	79.43	331	iP	P	23 07 52.8 +0.1
CLL	Collim comp=Z,19nm,1.0s			pmx	pmx	23 08 01.0
PVCC	Panska Ves comp=Z,23nm,1.1s	79.45	330	eP	P	23 07 54.6 +1.7
PVCC	Panska Ves comp=Z,23nm,1.1s			x	x	23 08 02.1
PVCC	Panska Ves comp=Z,23nm,1.1s	79.45	330	eP	P	23 07 54.6 +1.7
PVCC	Panska Ves comp=Z,23nm,1.1s			e	e	23 08 02.1
JAVC	Velka Javorina 4UR Ranch, Cre baz=313	79.50	327	eP	P	23 07 55.0 +1.7
S22A	4UR Ranch, Cre baz=313	79.55	49	P	P	23 07 55.4 +1.3
S22A	4UR Ranch, Cre baz=313	79.55	49	P	P	23 07 55.1 +1.0
VRAC	Vranov comp=Z,13nm,1.5s	79.60	328	eP	P	23 07 54.8 +1.1
VRAC	Vranov comp=Z,13nm,1.5s	79.60	328	iP	P	23 07 55.0 +1.3
VRAC	Vranov comp=Z,13nm,1.5s	79.60	328	eP	P	23 07 54.6 +0.9
VRAC	Vranov comp=Z,13nm,1.5s			e	e	23 08 04.2
Q24A	Divide comp=Z,13nm,1.5s	79.69	47	P	P	23 07 55.5 +0.7
214A	Organ Pipe Nat baz=311	79.69	57	P	P	23 07 55.7 +1.1
GOPC	GO Pecny, Ondr baz=311	79.85	329	eP	P	23 07 56.4 +1.3
GOPC	GO Pecny, Ondr baz=311	79.85	329	eP	P	23 07 56.4 +1.3
PRA	Prague comp=Z,13nm,1.5s	79.87	329	eP	P	23 07 56.1 +1.0
PRA	Prague comp=Z,13nm,1.5s	79.87	329	eP	P	23 07 56.1 +1.0
KRUC	Moravsky comp=Z,13nm,1.5s	79.88	328	eP	P	23 07 55.9 +0.7
KRUC	Moravsky comp=Z,13nm,1.5s			e	e	23 08 05.6
PRU	Pruhonice comp=Z,13nm,1.5s	79.89	329	eP	P	23 07 56.0 +0.7
PRU	Pruhonice comp=Z,13nm,1.5s			x	x	23 08 03.5

PRU	Pruhonice comp=Z,13nm,0.9s	79.89	329	eP	P	23 07 56.0 +0.7
PRU	Pruhonice comp=Z,13nm,0.9s			e	e	23 08 03.5
OGNE	Ogallala comp=Z,41nm,0.9s	80.04	44	P	P	23 07 57.1 +0.8
OGNE	Ogallala comp=Z,41nm,0.9s	80.04	44	P	P	23 07 57.0 +0.6
TREC	Trest comp=Z,31nm,1.0s	80.06	328	eP	P	23 07 57.7 +1.4
BZS	Buzias comp=Z,31nm,1.0s	80.21	323	iP	P	23 07 57.0 -0.1
SDCO	Great Sand Dun comp=Z,31nm,1.0s	80.32	49	eP	P	23 07 59.5 +1.3
SDCO	Great Sand Dun comp=Z,31nm,1.0s	80.32	49	P	P	23 07 59.1 +0.9
NKC	Novy Kostel comp=Z,31nm,1.0s	80.51	331	eP	P	23 08 00.0 +1.4
NKC	Novy Kostel comp=Z,31nm,1.0s	80.51	331	eP	P	23 08 00.0 +1.4
TUC	Tucson comp=Z,10nm,1.0s	80.76	56	P	P	23 08 02.2 +1.8
TUC	Tucson comp=Z,10nm,1.0s	80.76	56	P	P	23 08 01.5 +1.1
ECSD	EROS Data Cent comp=Z,15nm,0.8s	80.82	39	eP	P	23 08 00.6 +0.1
ECSD	EROS Data Cent comp=Z,15nm,0.8s	80.82	39	P	P	23 08 01.0 +0.6
KHC	Kasperske Hory comp=Z,15nm,0.8s	80.95	329	eP	P	23 08 02.1 +1.0
KHC	Kasperske Hory comp=Z,15nm,0.8s	80.95	329	eP	P	23 08 01.9 +0.8
KHC	Kasperske Hory comp=Z,15nm,0.8s			eP	eP	23 08 05.6 -1.9
KHC	Kasperske Hory comp=Z,15nm,0.8s			PcP	PcP	23 08 05.6 -1.9
KHC	Kasperske Hory comp=Z,15nm,0.8s	80.95	329	eP	P	23 08 01.9 +0.8
RAYN	Ar Rayn comp=Z,31nm,1.4s	80.98	293	eP	P	23 08 01.4 -0.3
RAYN	Ar Rayn comp=Z,31nm,1.4s	80.98	293	iP	P	23 08 01.8 +0.2
RAYN	Ar Rayn comp=Z,31nm,1.4s	80.98	293	eP	P	23 08 01.4 -0.3
RAYN	Ar Rayn comp=Z,31nm,1.4s			pmx	pmx	
CONA	Conrad Observa comp=Z,15nm,1.2s,SNR=11	80.98	327	eP	P	23 08 02.8 +1.5
E38A	The Farm, Brul comp=Z,15nm,1.2s,SNR=11	81.01	35	P	P	23 08 01.2 -0.2
C40A	Ile Royale Na comp=Z,15nm,1.2s,SNR=11	81.02	33	P	P	23 08 01.9 +0.6
KSCO	Kaye Shedlock comp=Z,15nm,1.2s,SNR=11	81.08	46	P	P	23 08 02.5 +0.5
GERES	GEISS Array B comp=Z,3.4nm,0.8s,baz=35,slow=4.9,SNR=25	81.14	329	P	P	23 08 01.9 -0.3
ASF	Jabal al Asfar comp=Z,2.0nm,0.8s,baz=70,slow=19,SNR=4.4	81.19	305	P	P	23 08 02.9 +0.2
F38A	Pierce Schro comp=Z,2.0nm,0.8s,baz=70,slow=19,SNR=4.4	81.36	35	P	P	23 08 02.9 -0.4
T25A	Trinidad comp=Z,2.4nm,0.8s	81.37	48	eP	P	23 08 05.2 +1.4
T25A	Trinidad comp=Z,2.4nm,0.8s	81.37	48	P	P	23 08 03.5 -0.2
GRFO	Grafenberg comp=Z,36nm,1.1s	81.41	331	eP	P	23 08 04.4 +1.0
GRFO	Grafenberg comp=Z,36nm,1.1s	81.41	331	eP	P	23 08 04.4 +1.0
GRFO	Grafenberg comp=Z,36nm,1.1s			pmx	pmx	
MMAI	Mount Meron Ar comp=Z,36nm,1.1s	81.57	306	P	P	23 08 04.8 +0.2
ARSA	Arzberg comp=Z,3.7nm,0.9s,baz=5.3,slow=4.5,SNR=6.9	81.66	327	iP	P	23 08 05.5 +0.7
ANMO	Albuquerque comp=Z,15nm,1.6s,SNR=5.9	81.67	51	eP	P	23 08 06.9 +1.6
ANMO	Albuquerque comp=Z,15nm,1.6s,SNR=5.9	81.67	51	dIP	P	23 08 06.8 +1.4
ANMO	Albuquerque comp=Z,15nm,1.6s,SNR=5.9			pmx	pmx	
ANMO	Albuquerque comp=Z,15nm,1.6s,SNR=5.9	81.67	51	P	P	23 08 06.8 +1.4
MOA	Molin comp=Z,14nm,1.4s,SNR=7.4	81.70	328	iP	P	23 08 05.6 +0.6

Table with columns: ID, Name, Az, El, Range, Az, El, Range, Az, El, Range, Az, El, Range. Rows include P46A Rosedale, Q45A Warren Harvey, T42A Van Buren, etc.

Table with columns: ID, Name, Az, El, Range, Az, El, Range, Az, El, Range, Az, El, Range. Rows include U48A Cassie Pea, Po, S50A Richmond, V47A Nunnelly, etc.

Table with columns: ID, Name, Az, El, Range, Az, El, Range, Az, El, Range, Az, El, Range. Rows include ILAS, IMOG Moghan, IDMV Damavand, etc.

TEH 01 23:01:03.5, 38°18'N, 55°57'E, h10km, ML3,8
ISZJB 01 23:01:05.0, 5.5, 38°16'N, 55°49'E, 0.04, h10km, Error
ellipse: s-maj=7.8km s-min=3.2km az=33.3

ASZER 01 23:01:15.8, 0.8, 38°14'N, 54°51'E, h2km, m4, 0/8, ms4, 8/6,
Error ellipse: s-maj=12.3km s-min=6.8km az=44.0

ISC 01 23:01:05.1, 0.8, 38°57'N, 0.08, 55°46'E, 0.05, h10km, n49,
z=280/50, 15C-16D, Iran-Turkmenistan border region

ISK 01 23:02:37.8, 36°48'N, 29°03'E, h15km, ML2, 1/9
ATH 01 23:02:37.6, 36°48'N, 29°06'E, h37km, 3km, ML 1.7/2, Error
ellipse: s-maj=0.9km s-min=1.2km az=156.0

ISCJJA 01 23:02:38.2, 0.6, 36°47'N, 0.03, 29°02'E, 0.03, h13km, 4km,
Error ellipse: s-maj=5.2km s-min=4.4km az=176.5

DDA 01 23:02:40.5, 36°70'N, 28°97'E, h7km, M2.5
ISC 01 23:02:37.8, 1.3, 36°48'N, 0.03, 29°03'E, 0.03, h13km, 11km,
n28, c049/36, Turkey

Table with columns: Code, Station Name, Az, El, Range, Az, El, Range, Az, El, Range, Az, El, Range. Rows include FETY Fethiye, DALY Dalyan (Mu'la), etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MK32, MKAR, MKAR, ZALV, ZAA1, etc.

KRNET 01 23:39:44.0.0.1, 41.72N:72.60E, h15km, mb3.3
NNC 01 23:39:45.0.0.5, 41.72N:72.64E, h0km, mb3.9, mpv3.4,
Error ellipse: s-maj=5.4km s-min=2.8km az=79.0

Main table for 2012 OCT, 2d 0h, listing various stations and their parameters. Includes stations like ARK, ARK, MNAS, MNAS, etc.

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

JMA 01 23:49:58.2.0.2, 39.75N:143.49E, h26km, M3.6, Off east coast of Honshu

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

IDC 01 23:52:10.3.0.8, 39.66N:143.33E, h0km, mb3.9/12,
mb1 4.0/16, mb1mx3.8/45, mbtmp3.8/16, ML3.5/3, Error
ellipse: s-maj=19.5km s-min=16.2km az=125.0

Main table for 2012 OCT, 2d 0h, listing various stations and their parameters. Includes stations like JTH, JTH, MIYJ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NV01, NVAR, PD31, etc.

SJA 01 23:57:04.7.0.5, 32.03S:72.43W, h27km, 51km, ML2.9,
MW3.5
GUC 01 23:57:06.4.0.8, 32.11S:72.13W, h47km, 9km, ML3.2

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

IDC 01 23:58:07.8.4.7, 11.20S:113.25E, h0km, mb3.4/3,
mb1 3.7/3, mb1mx3.4/34, mbtmp3.4/3, Error ellipse:
s-maj=250.1km s-min=28.0km az=44.0

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

IDC 01 23:58:14.0.0.9, 11.5S:9.11E, h17km, M3.9/12,
MLV3.9/12
ISC 01 23:58:12.1.1.1, 10.8S:0.113:74E:0.06, h25km, n14,
r139/16, mb3.5/3, South of Jawa

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

MEX 02 00:03:53.9.0.6, 27.46N:111.58W, h10km, MD3.6, Gulf of California

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

ISCJB 02 00:08:57.9.0.3, 39.92N:0.01:15.99E:0.02, h10km, 2km,
mb3.7/5, Error ellipse: s-maj=2.9km s-min=2.3km
az=151.4

Main table for 2012 OCT, 2d 0h, listing various stations and their parameters. Includes stations like ROM, ROM, ROM, etc.

Table with columns: DIVS, Divibare, 5.16 34 ePn, Pn, 00 10 13.4 -2.5, etc. Includes stations like PYL, XOR, OZLU, etc.

ISC/JB 02:00:18:34.0:0.6,24:81N:0.04:110:33W:0.0,10,h10km, m2,0/2,Error ellipse: s-maj=13.2km s-min=4.8km az=169.5

IDC 02:00:18:35.1:1.6,24:80N:110:06W,h0km,mb3.9/2, mb1 4.1/6,mb1mx3.8/52,mbtmp3.8/6,ML4.2/3,Error ellipse: s-maj=24.1km s-min=23.3km az=77.0

NEIC 02:00:18:36.0:0.0,24:82N:110:29W,h9km,MD4.0(MEX), After MEX.

MEX 02:00:18:36.8:1.0,24:82N:110:29W,h10km,14km,MD4.0 ISC 02:00:18:35.7:0.8,24:79N:0.05:110:21W:0.08,h10km,n12, az=217/17,Baja California

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like LPIG, SLBS, SRIG, etc.

ISC/JB 02:00:19:22.3:1.0,10:08N:0.09:126:4E:0.1,h150km, mb3.5/6,Error ellipse: s-maj=18.9km s-min=10.5km az=155.9

IDC 02:00:19:24.0:11.0,10:45N:126:89E,h164km,96km, mb3.3/6,mb1 3.4/6,mb1mx3.1/40,mbtmp3.8/6,Error ellipse: s-maj=245.0km s-min=19.0km az=67.0

MAN 02:00:19:27.6:9.919N:125:22E,h174km,mb4.6,ML3.4, MS3.3

ISC 02:00:19:24.2:1.0,10:02N:0.06:126:2E:0.2,h150km,n12, az=278/16,mb3.6/1,C,Philippine Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like BUTP, MSLP, PLP, etc.

ISC/JB 02:00:20:10.7:0.3,51:57N:0:02:16:18E:0.03,h0km,Error ellipse: s-maj=2.7km s-min=2.4km az=165.2

BGR 02:00:20:14.9:0.5,51:45N:16:14E,h1km,ML3.2/15,Error ellipse: s-maj=6.7km s-min=2.2km az=11.0

IDC 02:00:20:14.0:0.7,51:49N:16:17E,h0km,mb1 3.3/6, mb1mx3.2/56,mbtmp3.3/6,ML2.7/6,Error ellipse: s-maj=13.0km s-min=6.7km az=101.0

UPP 02:00:20:15.5:2.9,51:58N:15:67E,h0km,ML1.9 VIE 02:00:20:17.1:0.8,51:26N:16:08E,h0km,mb2.6/5,ml3.0/6, Error ellipse: s-maj=3.3km s-min=6.2km az=62.0 67km WWN of Wroclaw Suspected Mining induced.

ISC 02:00:20:11.6:0.7,51:61N:0.03:16:19E:0.02,h0km,n53, az=125/101,Poland

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

Table with columns: BRG, Berggiesshubel, 1.59 243, Pn, 00 20 41.5 +0.5, etc. Includes stations like PRA, PRA, PRA, etc.

VRAC 02:00:20:18.8:0.0,33:53S:16:16W,16,SNR=19

VRAC 02:00:20:18.8:0.0,33:53S:16:16W,16,SNR=19

VRAC 02:00:20:18.8:0.0,33:53S:16:16W,16,SNR=19

VRAC 02:00:20:18.8:0.0,33:53S:16:16W,16,SNR=19

VRAC 02:00:20:18.8:0.0,33:53S:16:16W,16,SNR=19

VRAC 02:00:20:18.8:0.0,33:53S:16:16W,16,SNR=19

VRAC 02:00:20:18.8:0.0,33:53S:16:16W,16,SNR=19

VRAC 02:00:20:18.8:0.0,33:53S:16:16W,16,SNR=19

VRAC 02:00:20:18.8:0.0,33:53S:16:16W,16,SNR=19

VRAC 02:00:20:18.8:0.0,33:53S:16:16W,16,SNR=19

VRAC 02:00:20:18.8:0.0,33:53S:16:16W,16,SNR=19

VRAC 02:00:20:18.8:0.0,33:53S:16:16W,16,SNR=19

VRAC 02:00:20:18.8:0.0,33:53S:16:16W,16,SNR=19

VRAC 02:00:20:18.8:0.0,33:53S:16:16W,16,SNR=19

VRAC 02:00:20:18.8:0.0,33:53S:16:16W,16,SNR=19

VRAC 02:00:20:18.8:0.0,33:53S:16:16W,16,SNR=19

VRAC 02:00:20:18.8:0.0,33:53S:16:16W,16,SNR=19

VRAC 02:00:20:18.8:0.0,33:53S:16:16W,16,SNR=19

VRAC 02:00:20:18.8:0.0,33:53S:16:16W,16,SNR=19

VRAC 02:00:20:18.8:0.0,33:53S:16:16W,16,SNR=19

VRAC 02:00:20:18.8:0.0,33:53S:16:16W,16,SNR=19

VRAC 02:00:20:18.8:0.0,33:53S:16:16W,16,SNR=19

VRAC 02:00:20:18.8:0.0,33:53S:16:16W,16,SNR=19

VRAC 02:00:20:18.8:0.0,33:53S:16:16W,16,SNR=19

VRAC 02:00:20:18.8:0.0,33:53S:16:16W,16,SNR=19

VRAC 02:00:20:18.8:0.0,33:53S:16:16W,16,SNR=19

VRAC 02:00:20:18.8:0.0,33:53S:16:16W,16,SNR=19

VRAC 02:00:20:18.8:0.0,33:53S:16:16W,16,SNR=19

VRAC 02:00:20:18.8:0.0,33:53S:16:16W,16,SNR=19

VRAC 02:00:20:18.8:0.0,33:53S:16:16W,16,SNR=19

VRAC 02:00:20:18.8:0.0,33:53S:16:16W,16,SNR=19

Table with columns: WRA, Warramunga Arr, 69.80 129, P, 00 05 19.8 -0.1, etc. Includes stations like ASAR, TORD, etc.

ISC/JB 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

ISC 02:00:53:58.9:1.0,37:32N:0:04:37:17E:0.05,h3km,8km, Error ellipse: s-maj=7.6km s-min=4.6km az=137.4

KLR	comp=Z,10.0nm,0.5s	14.70 335	Pn	Pn	01 14 10.9 -1.0
KLR	comp=Z,0.2nm,0.3s,baz=138,slow=7.5,SNR=4.4	14.70 335	eP	P	01 14 11.0 -1.0
SKR	Severo-Kuril's	14.70 335	eP	P	01 14 10.4 +0.9
SKR		18.11 32	eS	S	01 18 21.5 +0.1
SKR	comp=Z,800nm,2.5s		pmax	pmax	
SKR	comp=Z,94nm,1.9s		pmax	pmax	
SKR	comp=Z,300nm,14.0s		MLR	MLR	
SKR	comp=Z,400nm,15.0s		MLR	MLR	
NJ2	Nanjing	18.82 264	eP	Pn	01 15 04.1 -0.1
NJ2	Tai'an	19.30 277	P	Pmax	01 15 07.1 -1.7
TIA	Tai'an	19.30 277	P	Pmax	01 15 07.1 -1.7
TIA	comp=Z,11nm,0.9s		pmax	pmax	
BJI	Beijing	19.92 289	iP	P	01 15 14.5 -1.0
BJI		20.57 29	eP	Pn	01 15 24.6 +1.5
BJI		20.57 29	eP	S	01 19 00.4 0.0
BJI	comp=Z,18nm,1.0s		pmax	pmax	
BJI	comp=Z,260nm,18.6s		LR	LR	
BJI	comp=Z,170nm,14.1s		LR	LR	
BJT	Baijiatou	19.92 289	eP	P	01 15 14.6 -1.0
BJT	Baijiatou	19.92 289	eP	P	01 15 14.6 -1.0
BJT	comp=Z,32nm,0.8s		pmax	pmax	
ZEA	Zeya	20.02 336	eP	P	01 15 16.4 0.0
PETK	Petrovlovsk-	20.57 29	eP	Pn	01 15 24.1 -0.7
PETK	comp=Z,4.5nm,0.8s,baz=194,slow=12,SNR=6.1		pmax	pmax	
PEA1	Petrovlovsk-	20.57 29	eP	Pn	01 15 24.1 -0.8
HHC	Hu-ho-hao-te	23.47 290	eP	Pn	01 16 23.4 +0.0
HHC			SS	SS	01 20 01.2 -4.0
HHC	comp=Z,21nm,0.7s		pmax	pmax	
HHC	comp=Z,92nm,6.7s		LR	LR	
HHC	comp=Z,590nm,15.6s		LR	LR	
HHC	comp=Z,520nm,13.8s		LR	LR	
HHC	comp=Z,660nm,14.7s		LR	LR	
XAN	Xi'an	26.30 275	P	P	01 16 17.6 -1.8
XAN			pP	pP	01 16 26.1 -1.5
XAN	comp=Z,12nm,0.7s		pmax	pmax	
XAN	comp=Z,36nm,3.6s		pmax	pmax	
YAK	Yakutsk	26.83 348	eP	P	01 16 24.1 +0.4
YAK	comp=Z,12nm,1.0s		pmax	pmax	
YAK	comp=N,16nm,1.5s		pmax	pmax	
YAK	comp=Z,6.8nm,1.3s		pmax	pmax	
ENH	Enshi	26.97 267	eP	P	01 16 23.7 -1.7
ENH	comp=E,16nm,0.7s		pmax	pmax	
ULN	Ulanbaatar	27.59 306	eP	P	01 16 30.6 -0.4
ULN	Ulanbaatar	27.59 306	eP	P	01 16 31.9 +0.9
ULN	comp=Z,11nm,1.3s		pmax	pmax	
H11N2	WAKE ISLAND Hy	27.99 119	T	T	01 45 46.5
H11N2	baz=311,slow=75,SNR=283				
H11N1	WAKE ISLAND Hy	28.00 119	T	T	01 45 46.8
H11N1	baz=311,slow=75,SNR=326				
H11N3	WAKE ISLAND Hy	28.00 119	T	T	01 45 47.6
H11N3	baz=311,slow=75,SNR=337				
SONA1	Songino Array	28.02 305	eP	P	01 16 33.5 -1.2
SONA0	Songino Array	28.02 305	eP	P	01 16 34.3 -0.4
SONM	Songino Array	28.02 305	eP	P	01 16 34.3 -0.4
SONM	comp=Z,4.0nm,0.7s,baz=106,slow=8.9,SNR=17		pmax	pmax	
BOD	Bodaibo	28.09 329	eP	P	01 16 33.9 -1.2
BOD	comp=Z,14nm,0.8s		pmax	pmax	
H11S1	WAKE ISLAND Hy	28.67 121	T	T	01 46 39.1
H11S1	baz=314,slow=76,SNR=380				
H11S3	WAKE ISLAND Hy	28.67 121	T	T	01 46 36.3
H11S3	baz=314,slow=76,SNR=358				
H11S2	WAKE ISLAND Hy	28.68 121	T	T	01 46 38.3
H11S2	baz=314,slow=76,SNR=356				
LZH	Lanzhou	29.92 281	eP	P	01 16 55.2 +3.4
LZH			pP	pP	01 16 59.3 -0.8
LZH			sP	sP	01 17 02.0 -1.6
LZH	comp=Z,23nm,1.2s		pmax	pmax	
CD2	Chengdu	31.38 271	eP	P	01 17 04.0 -0.6
CD2	comp=Z,10.0nm,0.5s		pmax	pmax	
GTA	Gaotai	32.53 288	iP	P	01 17 14.9 +0.1
GTA			pP	pP	01 17 20.4 -2.7
GTA			sP	sP	01 17 23.6 -3.0
GTA			S	S	01 22 29.2 +0.9
GTA	comp=Z,7.0nm,1.2s		pmax	pmax	
GTA	comp=Z,7.7nm,5.1s		LR	LR	
GTA	comp=Z,170nm,20.6s		LR	LR	
GTA	comp=Z,130nm,19.4s		LR	LR	
GTA	comp=Z,200nm,17.1s		LR	LR	
KMI	Kunming	34.54 262	P	Pmax	01 17 34.4 +1.9
KMI	comp=Z,10.0nm,1.0s		pmax	pmax	
KMI	comp=Z,110nm,4.0s		pmax	pmax	
NONG	Nongkai	37.96 252	P	P	01 18 03.5 +2.1
NONG	comp=Z,0.3nm,0.9s,comp=Z,7.2nm		pmax	pmax	
FAKI	Fak Fak	39.76 194	eP	P	01 18 15.3 -1.2
FAKI	comp=Z,19nm,1.0s		pmax	pmax	
PBKT	Sadao Pong	40.51 252	eP	P	01 18 23.3 +0.5
PBKT	comp=Z,4.4nm,0.8s		pmax	pmax	
PBKT	Sadao Pong	40.51 252	eP	P	01 18 23.9 +1.1
PBKT	comp=Z,5.8nm,2.1s		pmax	pmax	
WMQ	Urumqi	40.96 298	P	P	01 18 28.3 +2.0
WMQ			pP	pP	01 18 36.9 -1.3
WMQ			sP	sP	01 19 40.4 +5.6
WMQ	comp=Z,43nm,1.3s		pmax	pmax	
WMQ	comp=Z,140nm,5.5s		LR	LR	
WMQ	comp=Z,200nm,16.9s		LR	LR	
WMQ	comp=Z,250nm,19.9s		LR	LR	
WMQ	comp=Z,360nm,17.5s		LR	LR	
CM31	Chiang Mai Arr	41.00 256	eP	P	01 18 25.2 -1.6
CMAR	Chiang Mai Arr	41.00 256	eP	P	01 18 25.2 -1.6
CMAR	comp=Z,1.0nm,0.4s,baz=50,slow=3,SNR=3.1		LR	LR	
CMAR	comp=Z,77nm,19.9s,baz=290,slow=36		LR	LR	01 15 35.3
CMAR	Chiang Mai Arr	41.00 256	iP	P	01 18 29.7 +2.9
CMAR	comp=Z,1.0nm,0.8s		pmax	pmax	
ZAA0	Zalesovo Array	42.27 313	eP	P	01 18 36.9 +0.1
ZAA1	Zalesovo Array	42.27 313	eP	P	01 18 36.6 -0.2
ZAA1	comp=Z,4.4nm,0.8s		eP	eP	01 20 29.7 -0.4
ZALV	Zalesovo Beam	42.27 313	eP	P	01 18 36.6 -0.2
ZALV	comp=Z,4.7nm,0.5s,baz=102,slow=7.1,SNR=20		pP	pP	01 20 29.7 -0.4
ZALV	comp=Z,1.1nm,0.5s,baz=93,slow=3.7,SNR=3.1		P	P	01 18 36.2 -0.5
ZALV	Zalesovo Beam	42.27 313	eP	P	01 18 36.7 -0.1
ZALV	Zalesovo Beam	42.27 313	iP	P	01 18 36.7 -0.1
ZALV	comp=Z,5.0nm,0.5s		pmax	pmax	
NRK	Noril'sk	43.91 336	P	P	01 18 53.1 +1.5
MRK1	Makanchi Array	44.31 303	eP	P	01 18 53.0 -0.5
MRK1	comp=Z,2.3nm,0.5s,baz=143,slow=20,SNR=2.9		pmax	pmax	
MRK3	Makanchi Array	44.32 303	eP	P	01 18 53.9 +0.4
MRK3	comp=Z,1.5nm,1.4s		pmax	pmax	
MRK3	Makanchi Array	44.32 303	eP	P	01 18 53.9 +0.4
MRK3	comp=Z,1.5nm,1.4s		pmax	pmax	
MRK3	Makanchi Array	44.32 303	eP	P	01 18 53.8 +0.3
MRK3	comp=Z,4.9nm,0.7s,baz=88,slow=9.6,SNR=3.8		pmax	pmax	

MKAR	Makanchi Array	44.32 303	eP	P	01 18 53.9 +0.4
MKAR	comp=Z,1.17nm,1.4s		pmax	pmax	
MAK2	Makanchi	44.53 303	eP	P	01 18 55.5 +0.3
MAK2	comp=Z,1.5nm,1.3s		pmax	pmax	
MAKZ	Makanchi	44.53 303	eP	P	01 18 55.5 +0.3
MAKZ	comp=Z,1.5nm,1.3s		pmax	pmax	
CHGN	Chignik	44.78 44	eP	P	01 19 00.1 +3.2
CHGN	comp=Z,429nm,0.6s		pmax	pmax	
KURK	Kurchatov	46.22 309	eP	P	01 19 08.0 -0.5
KURK	comp=Z,16nm,0.3s		pmax	pmax	
KURK	Kurchatov	46.22 309	eP	P	01 19 08.0 -0.5
KURK	comp=Z,16nm,0.6s		pmax	pmax	
RAMN	Ramite	46.77 275	eP	P	01 19 12.9 -0.5
RAMN	comp=Z,24nm,0.5s		pmax	pmax	
JIRN	Jiri	46.80 276	eP	P	01 19 13.7 -0.1
JIRN	comp=Z,35nm,0.7s		pmax	pmax	
PDGK	Podgornoye	46.91 299	eP	P	01 19 13.4 -0.8
PDGK	comp=Z,14nm,0.6s		pmax	pmax	
GUN	Gumba	46.95 276	eP	P	01 19 14.6 -0.3
GUN	comp=Z,17nm,0.6s		pmax	pmax	
PKI	Pulchok	47.47 276	eP	P	01 19 18.2 -0.7
PKI	comp=Z,18nm,1.0s		pmax	pmax	
KKN	Kakani	47.48 276	eP	P	01 19 18.5 -0.4
KKN	comp=Z,7.0nm,0.4s		pmax	pmax	
IM3	Indian Mountain	47.53 30	eP	P	01 19 19.6 +1.1
DMN	Daman	47.69 276	eP	P	01 19 20.6 0.0
DMN	comp=Z,6.2nm,0.3s		pmax	pmax	
PRZ	Przheval'sk	47.89 298	eP	P	01 19 23.3 +1.4
PRZ	comp=Z,29nm,1.1s		pmax	pmax	
GKN	Gorkha	47.91 277	eP	P	01 19 21.8 -0.3
GKN	comp=Z,70nm,1.0s		pmax	pmax	
KDAD	Kodiak Island	47.93 41	eP	P	01 19 22.2 +0.6
KDAD	comp=Z,10nm,0.9s,baz=235,slow=2.8,SNR=5.5		pmax	pmax	
PPLA	Purkeypile	48.03 34	eP	P	01 19 23.8 +1.2
PPLA	comp=Z,2nm,1.2s		pmax	pmax	
CAST	Castle Rocks	48.09 34	eP	P	01 19 25.5 +2.6
CAST	comp=Z,13nm,1.4s		pmax	pmax	
DANN	Dangsing	48.46 278	eP	P	01 19 26.6 0.0
DANN	comp=Z,36nm,0.6s		pmax	pmax	
KTH	Kantishna Hill	48.62 34	eP	P	01 19 29.3 +2.3
KTH	comp=Z,18nm,1.5s		pmax	pmax	
KOLN	Koldanda	48.84 277	eP	P	01 19 28.9 -0.5
KOLN	comp=Z,19nm,1.0s		pmax	pmax	
PYUN	Piuthan	49.19 278	eP	P	01 19 31.7 +0.3
TOLK	Toolik Lake Re	49.36 27	eP	P	01 19 35.0 +2.5
TOLK	comp=Z,5.8nm,0.9s		pmax	pmax	
TKM2	Tokmak 2	49.77 299	eP	P	01 19 37.2 +0.8
TKM2	SNR=20		pmax	pmax	
MDM	Murp't Dome	49.79 32	eP	P	01 19 37.8 +1.9
MDM	comp=Z,13nm,0.9s		pmax	pmax	
NRN	Naryn	49.89 297	eP	P	01 19 38.1 +0.7
NRN	comp=Z,10.0nm,1.2s		pmax	pmax	
NRN	Naryn	49.89 297	eP	P	01 19 38.1 +0.7
NRN	comp=Z,10.0nm,1.2s		pmax	pmax	
KZA	Kyzart	50.25 298	P	P	01 19 41.7 +1.5
KZA	SNR=9.2		pmax	pmax	
KBK	Karagaybulak	50.30 299	P	P	01 19 41.3 +1.0
KBK	SNR=5		pmax	pmax	
IL1	Eielson Array	50.37 32	eP	P	01 19 41.0 +0.8
ILAR	Eielson Array	50.37 32	eP	P	01 19 41.2 +0.9
ILAR	comp=Z,4.2nm,0.8s,baz=270,slow=6.1,SNR=40		pmax	pmax	
ILB	Eielson Array	50.37 32	eP	P	01 19 41.5 +1.2
USP	Ospenovka	50.45 300	P	P	01 19 41.6 +0.3
USP	SNR=8.8		pmax	pmax	
KSH	Kashi	50.48 295	P	P	01 19 45.8 +4.1
KSH	comp=Z,17nm,0.9s		pmax	pmax	
AAK	Ala-Archa	50.63 299	P	P	01 19 42.8 0.0
AAK	SNR=6.4		pmax	pmax	
OTUK	Ortayau	50.68 306	P	P	01 19 42.6 -0.3
OTUK	comp=Z,4.0nm,0.7s		pmax	pmax	
BVA0	Borovoye Array	50.92 313	iP	P	01 19 44.3 -0.3
BVA0	comp=Z,5.0nm,1.1s		pmax	pmax	
BRVK	Borovoye	50.98 313	eP	P	01 19 45.3 +0.3
BRVK	comp=Z,4.4nm,1.3s		pmax	pmax	
BRVK	Borovoye	50.98 313	eP	P	01 19 45.3 +0.3
BRVK	comp=Z,4.4nm,1.3s		pmax	pmax	
AML	Almayashu	51.34 298	P	P	01 19 49.4 +0.9
AML	SNR=26		pmax	pmax	
SCRK	Sand Creek	51.68 33	eP	P	01 19 51.7 +1.4
SCRK	comp=Z,5.6nm,0.8s		pmax	pmax	
MNAS	Manas	52.08 299	P	P	01 19 54.1 +0.5
MNAS	comp=Z,8.0nm,0.6s		pmax	pmax	
SFK	Sufi-Kurgan	52.13 296	P	P	01 19 54.1 -0.1
SFK	comp=Z,7.0nm,0.6s		pmax	pmax	
KK31	Karatay Array	53.29 301	eP	P	01 20 02.5 +0.1
KK31	comp=Z,2.9nm,1.1s		pmax	pmax	
KKAR	Karatay Array	53.29 301	eP	P	01 20 02.5 +0.1
KKAR	comp=Z,2.9nm,1.1s		pmax	pmax	
NIL	Nilore	54.60 289	eP	P	01 20 11.9 -0.2
NIL	comp=Z,16nm,0.6s		pmax	pmax	
NIL	Nilore	54.60 289	eP	P	01 20 11.9 -0.2
NIL	comp=Z,16nm,0.6				

ISC 02 01:23:50.5:0.8,0.13S:0.06E:123.00E:0.05,h162km,n20,
c=350.25,mb3.4/5,Minahassa Peninsula, Sulawesi

1.84,00000°. NP2:329.00000°. 858.00000°. 1.94,00000°.
JMA 02 01:51:33.0:0.1,39.65N:143.69E,h24km,M4.7

PETK comp=Z,0.1nm,0.3s,baz=214,slow=6.6,SNR=5.3
LR P 02 03 05.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like GTOI Gorontalo, LUWI Luwuk, KMSI Cibinong, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like JTH Tanohata, MIJ Miyakonagasawa, OFJU Ofunato, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like PETK Petropavlovsk, PEA1 Petropavlovsk, DL2 Dalian, etc.

IDC 02 01:42:29.7:7.8,51.83N:178.31W,h0km,mb3.4/4,
mb1 3.9/5,mb1mx3.5/5,mbtmp3.6/5,ML4.2/1,MS3.8/2,
Ms1 3.8/2,ms1mx3.0/3,Error ellipse: s-maj=150.7km

NEIC 02 01:51:36.2:39.66N:143.35E,h29km,mb4.8/6/1,mb4.9/39,
Ms4.9/38,Ms7.4/1/35

MA2 Magadan 20.43 11 p Pn 01 56 14.1 -0.9
MA2 Magadan 20.43 11 e Pn 01 56 14.1 -0.9

ISC 02 01:42:30.6:1.3,51.49N:109.178:03W:0.05,h12km,7km,
mb3.6/3,MS3.8/2,Error ellipse: s-maj=15.4km

NEIC 02 01:42:31.6:0.0,51.59N:178.03W,h13km,ML3.3(AEIC),
After AEIC.

YAK Yakutsk 23.87 344 e P 01 56 47.0 -2.1
YAK Yakutsk 23.87 344 e P 01 56 47.0 -2.1

ISC 02 01:42:31.0:1.4,51.54N:109.00W:0.08,178.03W:0.03,
h11km,10km,n32,c=087/30,mb3.5/3,Androanoff Islands

ASAJ Asahikawa 4.45 352 e Pn 01 52 44.0 +0.8
ASAJ Asahikawa 4.45 352 e Pn 01 53 33.9 -1.1

SEY Seymchan 23.88 10 p P 01 56 49.4 +0.3
HHC Hu-ho-hao-tee 24.26 283 e P 01 57 53.4 +0.3

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like TASE Tanaga Southea, TAPA Tanaga Point A, TAFP Tanaga Falls P, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like ASAJ Asahikawa, ASAJ Asahikawa, YUZH Kuril'sk, etc.

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

NNC 02 01:42:40.9:4.8,49.29N:93.42E,h0km,mb3.8,mpv3.4,
Error ellipse: s-maj=53.3km s-min=42.9km az=157.0

IDC 02 01:42:38.8:1.6,49.45N:93.41E,h0km,mb1 3.1/4,
mb1mx3.0/5,mbtmp3.1/4,ML2.7/4,4C-6D,Error ellipse:
s-maj=31.1km s-min=14.2km az=9.0,Mongolia

SONM Songino Array 27.72 299 e P 01 57 24.5 +0.2
SONM Songino Array 27.72 299 e P 01 57 24.5 +0.2

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like ZALV Zalesovo Beam, ZALV Zalesovo Beam, MK31 Makanchi Array, etc.

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

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like H112 WAKE ISLAND Hy 28.36 128 T, H111 WAKE ISLAND Hy 28.36 128 T, etc.

NIED 02 01:51:00,39.60N:143.70E,h23km,Ms4.4 Best double
couple: Ms5.02000:1015 NP1:3202.00000:033.00000°

PETK Petropavlovsk- 16.59 31 Pn P 01 55 31.0 +0.1

GYA Guiyang 33.27 258 p P 01 58 12.4 -1.1
GYA Guiyang 33.27 258 p P 01 58 12.4 -1.1

2d 1h

2012 OCT

Table with columns for station name, frequency, power, and other technical details. Includes stations like GYA, CD2, GTA, and various array stations.

Table with columns for station name, frequency, power, and other technical details. Includes stations like HYT, INK, AML, MNAS, SFK, and various array stations.

Table with columns for station name, frequency, power, and other technical details. Includes stations like AKKB, KIEV, TPNV, PD31, and various array stations.

MEX 02:01:57:21.4-0.9,24.79N-110:50W, h10km, MD3.5, Baja California. Includes a small table with columns for Code, Station Name, Azimuth, Phase, and Time Res.

NIED 02:02:09.00, 39.70N, 143.70E, h23km, Mw4.0 Best double couple: M₀ 93000, 104° NP1₀ 208, 00000°, 835, 00000°, 1.95, 00000°. NP2₀ 22, 00000°, 855, 00000°, 1.87, 00000°.
 JMA 02:02:09.40, 8.0, 2, 39.66N, 143.68E, h21km, M4.1
 IDC 02:02:09.40, 9.0, 3, 39.61N, 143.53E, h0km, mb4.0/15, mb1 4.2/18, mb1mx4.0/39, mbmp4.0/18, ML3.5/3, MS3.2/4, Ms1 3.2/4, ms1mx2.7/44, Error ellipse: s-maj=24.3km s-min=16.1km az=103.0

ISCJB 02:02:09.42, 1.4, 3, 39.61N, 143.43E, 62E:0.05, h25km, 10km, mb4.1/20, MS3.4/2, Error ellipse: s-maj=7.1km s-min=4.1km az=25.9

NEIC 02:02:09.42, 0.0, 5, 39.57N, 143.69E, h10km, mb4.6/7, Error ellipse: s-maj=9.8km s-min=6.4km az=111.0

ISC 02:02:09.43, 6.2, 9, 39.67N, 143.43E, 0.06, h15km, 16km, n73, 1.2/20, mb4.2/20, Off east coast of Honshu

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
JTH	Tanohata	1.28	283	Op	02 10 05.6	-1.3
JTH	Tanohata	1.28	283	eS	02 10 24.1	-0.8
MIYJ	Miyakonagasawa	1.29	267	P	02 10 26.1	-0.9
MIYJ	Miyakonagasawa	1.29	267	eS	02 10 24.1	+0.1
OFUJ	Ofunato	1.52	248	P	02 10 09.3	-1.0
JANG	Nango	1.67	296	P	02 10 12.1	-1.1
JANG	Nango	1.67	296	eS	02 10 34.7	-0.7
JOM	Ohasama	1.70	264	P	02 10 25.8	-0.2
JMK	Ichinoseki	1.90	249	P	02 10 15.0	-0.4
JMK	Ichinoseki	1.90	249	eS	02 10 39.3	+0.3
JIO	Ouri	2.06	235	P	02 10 16.3	-1.3
ERM	Erimo	2.36	354	ePn	02 10 21.9	+0.2
ERM	Erimo	2.36	354	eS	02 10 49.3	-1.1
JOT	Ohata	2.53	314	P	02 10 23.9	-0.1
JYK	Kaneyama	2.54	254	P	02 10 24.2	0.0
JNBK	Urakawa-nobuka	2.67	348	P	02 10 26.6	+0.6
JNBK	Urakawa-nobuka	2.67	348	eS	02 10 59.1	+1.0
JKB	Kayabe	2.90	321	P	02 10 31.3	+2.2
JKB	Kayabe	2.90	321	eS	02 11 07.2	+2.9
JCH	Churui	2.95	358	P	02 10 29.7	-0.1
JCH	Churui	2.95	358	eS	02 11 03.1	-1.8
JFT	Otama	3.27	230	P	02 10 33.7	-0.6
JFT	Otama	3.27	230	eS	02 11 13.4	+0.5
JAK	Akkeshi	3.45	15	P	02 10 35.8	-0.9
JAK	Akkeshi	3.45	15	eS	02 11 15.5	+1.5
ASAJ	Asahikawa	4.50	352	Pn	02 10 51.7	+0.6
ASAJ	Asahikawa	4.50	352	eS	02 11 41.6	-1.5
ASAJ	Asahikawa	4.50	352	ePn	02 11 41.6	-1.5
MJAR	Matsushiro Arr	5.20	235	Pn	02 11 00.6	-0.3
MJAR	Matsushiro Arr	5.20	235	ePn	02 11 01.7	+0.9
MAJO	Matsushiro	5.20	235	Pn	02 11 01.5	+0.7
MAJO	Matsushiro	5.20	235	eS	02 12 00.5	0.0
INU	Inuyama	6.71	232	ePn	02 11 22.8	+1.3
USA0B	Ussuriysk Arr	9.69	302	ePn	02 12 06.9	+4.5
USRK	Ussuriysk Arr	9.69	302	Pn	02 12 06.8	+4.4
USRK	Ussuriysk Arr	9.69	302	LR	02 15 55.9	
USRK	Ussuriysk Arr	9.69	302	LR	02 15 55.9	
KSRS	Korea Array	12.38	265	Pn	02 12 41.1	+1.9
KSRS	Korea Array	12.38	265	LR	02 16 32.7	
KSRS	Korea Array	12.38	265	LR	02 16 32.7	
KSAR	Wonju Array Be	12.41	265	Pn	02 12 41.1	+1.4
MA2	Magadan	20.46	11	P	02 14 20.7	+0.3
SEY	Seymchan	23.91	10	P	02 14 57.1	+0.6
SONA1	Songino Array	27.79	299	eP	02 15 32.1	+0.1
SONA0	Songino Array	27.79	299	eP	02 15 32.3	+0.3
SONM	Songino Array	27.79	299	P	02 15 32.3	+0.3
H1N2	WAKE ISLAND Hy	28.28	128	T	02 45 07.4	
H1N1	WAKE ISLAND Hy	28.29	128	T	02 45 12.8	
H1N3	WAKE ISLAND Hy	28.30	128	T	02 45 08.7	
H1S1	WAKE ISLAND Hy	29.10	130	T	02 46 15.3	
H1S3	WAKE ISLAND Hy	29.11	130	T	02 46 18.4	
H1S2	WAKE ISLAND Hy	29.12	130	T	02 46 19.1	
ZAA1	Zalesovo Array	41.40	310	eP	02 17 29.1	0.0
ZALV	Zalesovo Beam	41.40	310	P	02 17 29.1	0.0
ZALV	Zalesovo Beam	41.40	310	P	02 17 29.1	0.0
ZALV	Zalesovo Beam	41.40	310	eP	02 17 29.1	+0.1
IM3	Indian Mountain	43.52	19	P	02 17 48.4	-0.2
CM31	Chiang Mai Arr	43.76	254	P	02 17 48.4	-0.2
CMAR	Chiang Mai Arr	43.76	254	P	02 17 48.4	-0.2
MK01	Makanchi Array	44.15	300	eP	02 17 51.3	-0.2
MK31	Makanchi Array	44.15	300	P	02 17 51.4	-0.1
MK32	Makanchi Array	44.15	300	P	02 17 51.6	+0.1
MKAR	Makanchi Array	44.15	300	P	02 17 51.6	+0.1
MKAR	Makanchi Array	44.15	300	eP	02 17 51.4	-0.1
MAKZ	Makanchi	44.36	300	eP	02 17 53.4	+0.3
LUWI	Luwuk	44.73	210	eP	02 17 53.8	-2.5
KURK	Kurchatov	45.64	306	eP	02 18 03.2	+0.1
ILAR	Eielson Array	46.40	34	P	02 18 09.6	+0.5
ILB	Eielson Array	46.40	34	P	02 18 09.6	+0.5
KK31	Kararay Array	53.24	299	eP	02 19 01.4	0.0
KKAR	Kararay Array	53.24	299	eP	02 19 01.4	0.0
ABKR	Aktulub array	57.51	309	eP	02 19 31.8	-0.2
AKTO	Aktulub array	57.51	309	P	02 19 36.1	-0.3
WR1	Warramunga Arr	59.91	190	P	02 19 47.7	-1.3
WRA	Warramunga Arr	59.91	190	P	02 19 47.7	-1.3
WRA	Warramunga Arr	59.91	190	LR	02 46 23.4	
AS31	Alice Springs	63.63	190	P	02 20 13.8	-0.2
ASAR	Alice Springs	63.63	190	P	02 20 13.8	-0.2
FIAO	FINESSE Array S	67.24	332	eP	02 20 36.8	-0.2
FINES	FINESSE Array B	67.24	332	P	02 20 36.8	-0.2
KBZ	Khabaz	70.42	311	P	02 20 58.1	+1.1
NB2	NORSAR Subarra	72.38	336	P	02 21 08.6	0.0
NB20	NORSAR Array S	72.38	336	eP	02 21 08.8	+0.2
NOA	NORSAR Array B	72.38	336	eP	02 21 08.8	+0.2
AKASG	Malin Array Be	73.20	323	P	02 21 12.8	-0.8
AKBB	Malin Array S	73.20	323	eP	02 21 12.8	-0.8
BUR08	Bucovina Arr. S	77.23	322	eP	02 21 38.0	+1.0
BUR04	Bucovina Arr. S	77.23	322	eP	02 21 37.7	+0.6
RAO	Raoul Island	77.40	146	LR	02 52 49.3	
CLL	Collin	78.61	331	eP	02 21 50.0	+0.1
GERES	GERESS Array B	81.31	239	P	02 21 58.8	-0.4
GERES	GERESS Array B	81.31	239	P	02 21 58.8	-0.4

0.2nm, 0.3s, baz=350, slow=6.5, SNR=5.3
 MKAR Makanchi Array 52.23 322 P 02 31 32.4 +0.4
 BRTR Keskin Array B 85.86 309 P 02 35 00.4 -0.5
 FINES FINESSE Array B 66.00 332 P 02 35 00.9 +0.1
 1.0nm, 0.4s, baz=81, slow=4.6, SNR=9.2

GUC 02:39:48.2, 0.6, 2, 1.33S, 68.74W, h112km, 5km, ML3.2
 ISCJB 02:39:49.3, 0.9, 2, 1.35S, 68.83W, 0.10, h117km, 10km, mb3.5/2, Error ellipse: s-maj=15.1km s-min=5.4km az=1.7
 IDC 02:39:51.6, 8.9, 2, 1.31S, 67.43W, h103km, 64km, mb3.2/2, mb1 3.3/3, mb1mx3.2/23, mbmp3.5/3, ML3.4/1, Error ellipse: s-maj=76.8km s-min=35.0km az=24.0
 ISC 02:39:52.2, 1.2, 2, 1.34S, 68.79W, 0.09, h89km, 10km, n15, 1.1/55/26, 6C, Chile-Bolivia border region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
PB09	IPOC Station P	0.62	222	Op	02 40 07.5	-0.7
PB09	IPOC Station P	0.62	222	iS	02 40 21.6	+1.6
PB09	IPOC Station P	0.62	222	ePn	02 40 23.0	
PB01	IPOC Station P	0.71	294	iP	02 40 07.8	-1.1
PB01	IPOC Station P	0.71	294	iS	02 40 24.2	+1.0
PB01	IPOC Station P	0.71	294	ePn	02 40 23.4	
PB02	IPOC Station P	1.03	271	eP	02 40 11.2	-1.2
PB02	IPOC Station P	1.03	271	iS	02 40 28.2	+0.8
PB02	IPOC Station P	1.03	271	ePn	02 40 29.7	
PB07	IPOC Station P	1.09	249	iP	02 40 12.0	-1.2
PB07	IPOC Station P	1.09	249	iS	02 40 29.6	+0.8
PB07	IPOC Station P	1.09	249	ePn	02 40 30.1	
PB03	IPOC Station P	1.14	231	iP	02 40 12.4	-1.3
PB03	IPOC Station P	1.14	231	iS	02 40 30.5	+0.6
PB03	IPOC Station P	1.14	231	ePn	02 40 30.9	
PB08	IPOC Station P	1.24	344	eP	02 40 13.7	-1.4
PB08	IPOC Station P	1.24	344	iS	02 40 32.4	+0.2
PB08	IPOC Station P	1.24	344	ePn	02 40 34.4	
LVC	Limon Verde	1.27	185	iP	02 40 13.7	-1.8
LVC	Limon Verde	1.27	185	iS	02 40 32.5	+0.2
PB06	IPOC Station P	1.54	208	iS	02 40 38.6	-0.1
PB06	IPOC Station P	1.54	208	ePn	02 40 40.2	
PB04	IPOC Station P	1.60	232	eP	02 40 17.6	-1.9
PB04	IPOC Station P	1.60	232	ePn	02 40 46.1	
PB05	IPOC Station P	2.00	221	eP	02 40 22.1	-2.4
PB05	IPOC Station P	2.00	221	eS	02 40 48.1	-1.0
PB05	IPOC Station P	2.00	221	ePn	02 40 45.2	
PSGC	Pisagua	2.13	324	eP	02 40 23.7	-2.6
PSGC	Pisagua	2.13	324	iS	02 40 50.5	-1.8
PSGC	Pisagua	2.13	324	ePn	02 40 57.0	
MNMC	Minye Minye	2.32	341	eP	02 40 27.1	-1.9
MNMC	Minye Minye	2.32	341	iS	02 40 56.3	-0.7
MNMC	Minye Minye	2.32	341	ePn	02 41 07.0	
LPAZ	La Paz	5.06	7	P	02 41 05.6	-0.7
LPAZ	La Paz	5.06	7	ePn	02 42 03.6	-0.2
TXAR	Lajitas Array	66.50	325	P	02 49 56.3	+2.8
TORD	Tordi Arr	70.76	20	P	02 51 28.0	-8.9

MEX 02:02:42:03.7, 0.8, 24.82N x 110.34W, h10km, MD3.6, Baja California

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
LPAG	La Paz	0.72	178	eP	02 42 15.3	-2.3
LPAG	La Paz	0.72	178	ePn	02 42 15.4	-2.9
LPAG	La Paz	0.72	178	eS	02 42 22.1	-1.8
SLBS	Sierra La Lagu	1.19	162	eP	02 42 32.2	-3.2
SLBS	Sierra La Lagu	1.19	162	eS	02 42 37.7	-4.1

IDC 02:03:00:28.7, 9.4, 2, 0.03N, 127.01E, h0km, mb3.8/4, mb1 4.0/4, mb1mx3.5/42, mbmp3.8/4, MS3.2/2, Ms1 3.2/2, ms1mx0.5/2, Error ellipse: s-maj=146.1km s-min=10.4km az=148.0
 ISCJB 02:03:00:43.8, 1.0, 1.50N, 0.06E, 127.37E, 0.10, h100km, mb3.8/3, Error ellipse: s-maj=14.8km s-min=7.7km az=160.0
 DJA 02:03:00:48.5, 1.4, 2, N5.5 x 12.7E, 1.1, h104km, 16km, M4.1/7, mb5.0/0, mb4.3/4, ML4.0/7, Mw(MB)4.3/2
 ISC 02:03:00:45.4, 1.4, 1.56N, 0.

435B	Jarrell baz=153	20.54	336	P	P	03 15 24.3	-1.0
256A	Glennville baz=198	20.64	15	P	P	03 15 28.4	+2.1
143A	Soos Landing, comp=Z,47nm,1.1s	20.74	352	eP	P	03 15 28.6	+1.3
152A	Waverly Hall comp=Z,30nm,0.9s	20.74	8	eP	P	03 15 28.6	+1.2
152A	Waverly Hall baz=182,SNR=12	20.74	8	P	P	03 15 28.8	+1.4
LRAL	Lakeview Retre comp=Z,19nm,0.9s	20.89	3	eP	P	03 15 31.2	+2.3
LRAL	Lakeview Retre baz=183,SNR=9.3	20.89	3	P	P	03 15 29.6	+0.6
154A	Montrose comp=Z,52nm,0.9s	20.96	12	eP	P	03 15 31.2	+1.4
154A	Montrose baz=194	20.96	12	P	P	03 15 30.9	+1.1
Z47A	Carrollton baz=180	21.02	0	P	P	03 15 32.2	+1.8
Z46A	Louisville baz=178	21.03	358	P	P	03 15 31.4	+0.9
Z49A	Columbiana baz=184,SNR=7.7	21.07	4	P	P	03 15 32.0	+1.0
155A	Kite baz=196	21.11	14	P	P	03 15 33.0	+1.6
Z50A	Ashland comp=Z,30nm,1.0s	21.18	5	eP	P	03 15 33.1	+1.0
Z50A	Ashland baz=186,SNR=5.3	21.18	5	P	P	03 15 33.5	+1.4
Z48A	Northport baz=182,SNR=5.8	21.20	1	P	P	03 15 33.1	+0.7
JCT	Junction City comp=Z,34nm,1.3s	21.23	331	eP	P	03 15 32.4	-0.4
JCT	Junction City baz=147,SNR=8.1	21.23	331	P	P	03 15 31.8	-1.0
Z45A	Winona baz=176	21.24	357	P	P	03 15 33.6	+0.9
Z52A	Williamson baz=190	21.29	9	P	P	03 15 34.9	+1.6
Z51A	Franklin baz=188	21.32	7	P	P	03 15 35.3	+1.7
ATAH	Atahualpa comp=Z,244nm,20.0s baz=344,slow=33	21.43	152	LR	LR	03 22 36.7	
Z41A	Richland Creek comp=Z,61nm,1.0s	21.50	349	eP	P	03 15 37.4	+1.8
Z41A	Richland Creek baz=167,SNR=9.5	21.50	349	P	P	03 15 34.6	-1.0
Z53A	Monticello baz=192,SNR=11	21.52	11	P	P	03 15 37.0	+1.3
WHTX	Lake Whitney, comp=Z,27nm,1.2s	21.57	338	eP	P	03 15 36.0	-0.4
WHTX	Lake Whitney, baz=154	21.57	338	P	P	03 15 35.9	-0.4
Z40A	Long Farm, Mag baz=166	21.61	348	P	P	03 15 38.0	+1.3
Z54A	Sparta baz=194	21.62	12	P	P	03 15 38.5	+1.7
GOGA	Godfrey comp=Z,24nm,1.1s	21.67	11	eP	P	03 15 39.2	+1.8
GOGA	Godfrey baz=192,SNR=7.5	21.67	11	P	P	03 15 38.4	+1.1
Y46A	Houston baz=178,SNR=7.5	21.71	359	P	P	03 15 36.8	-1.0
Y45A	Yeager Farm, C baz=176	21.72	357	P	P	03 15 38.7	+0.8
Y47A	UCPARC Winfie baz=181,SNR=7.2	21.72	1	P	P	03 15 37.8	-0.2
Y49A	Blount Mountai comp=Z,19nm,1.1s	21.74	4	eP	P	03 15 38.8	+0.7
Y49A	Blount Mountai baz=182,SNR=5.6	21.74	4	P	P	03 15 38.6	+0.5
Y48A	Jasper baz=182,SNR=5.6	21.75	2	P	P	03 15 38.5	+0.2
Z55A	Blythe baz=196	21.76	14	P	P	03 15 40.1	+1.7
Y50A	Piedmont baz=186,SNR=7.3	21.83	6	P	P	03 15 39.2	+0.1
Y44A	Strider, Charl baz=174	21.86	355	P	P	03 15 39.9	+0.5
Y42A	Garnett, Star baz=171	21.90	352	P	P	03 15 38.8	-1.1
Y51A	Rockmart baz=188,SNR=1.3	21.91	7	P	P	03 15 40.2	+0.2
CCAR	Cane Creek comp=Z,35nm,1.2s	21.98	352	eP	P	03 15 42.5	+1.8
Y52A	Liburn comp=Z,21nm,1.0s	22.01	9	eP	P	03 15 41.8	+0.7
Y52A	Liburn baz=191,SNR=6.1	22.01	9	P	P	03 15 41.4	+0.4
Y41A	Eaglette Beard baz=168	22.01	350	P	P	03 15 41.2	-0.5
Y53A	Monroe baz=192,SNR=14	22.08	10	P	P	03 15 42.4	+0.6
Y54A	Tignal baz=194,SNR=14	22.26	12	P	P	03 15 44.6	+0.9
X45A	UM Field Stati baz=177,SNR=5.3	22.27	357	P	P	03 15 41.8	-2.0
X48A	Hartselle comp=Z,8.8nm,1.0s	22.29	2	eP	P	03 15 44.8	+0.7
X48A	Hartselle baz=183	22.29	2	P	P	03 15 43.9	-0.2
Y40A	Okolona baz=167,SNR=7.2	22.32	349	P	P	03 15 42.1	-2.3
X47A	Russellville baz=181,SNR=5.6	22.34	1	P	P	03 15 43.4	-1.2
OXF	Oxford comp=Z,30nm,1.0s	22.36	357	eP	P	03 15 45.3	+0.5
OXF	Oxford baz=177	22.36	357	P	P	03 15 45.3	+0.5
X46A	Booneville baz=179	22.38	359	P	P	03 15 45.0	0.0
X49A	Woodville baz=185	22.39	4	P	P	03 15 44.0	-1.1
X50B	Fort Payne baz=186	22.40	6	P	P	03 15 44.9	-0.4
LTX	Lajitas baz=182,SNR=7.0	22.41	322	eP	P	03 15 45.3	-0.2
TXAR	Lajitas Array comp=Z,9.5nm,0.9s,baz=143,slow=8.7,SNR=62	22.41	322	LR	LR	03 26 22.9	
TXAR	comp=Z,103nm,18.2s,baz=0.0,slow=42	22.41	322	LR	LR	03 15 45.5	0.0
TX31	Lajitas Ar. Si	22.49	9	eP	P	03 15 48.9	+1.7
X51A	Calhoun comp=Z,21nm,1.1s	22.59	7	P	P	03 15 47.8	+0.5
X41A	Kaden, Bauxite baz=169,SNR=13	22.66	351	P	P	03 15 45.5	-2.4
X40A	Basin Creek Fa comp=Z,21nm,1.1s	22.70	350	eP	P	03 15 49.4	+0.9
X40A	Basin Creek Fa baz=168,SNR=7.5	22.70	350	P	P	03 15 46.7	-1.7
X52A	Dahlonega baz=191,SNR=5.8	22.76	9	P	P	03 15 48.8	-0.3
X53A	Estonollee baz=192,SNR=8.1	22.76	10	P	P	03 15 49.4	+0.4
PLAL	Pickwick Lake comp=Z,14nm,1.1s	22.80	0	eP	P	03 15 48.9	-0.6
MIAR	Mount Ida comp=Z,30nm,0.9s	22.89	349	eP	P	03 15 50.1	-0.4
MIAR	Mount Ida baz=166,SNR=32	22.89	349	P	P	03 15 48.6	-1.9
UALR	University of comp=Z,25nm,0.8s	22.91	351	eP	P	03 15 50.6	0.0
W46A	Nichie baz=179	22.95	360	P	P	03 15 50.1	-0.9
X39A	Fountain Ranch baz=165	22.97	347	P	P	03 15 49.7	-1.5
W48A	Pulaski baz=183,SNR=7.9	22.98	3	P	P	03 15 50.9	-0.5
JSC	Jenkinsville comp=Z,28nm,1.0s	22.98	15	eP	P	03 15 52.2	+0.8
ABTX	Ablene, Hawle comp=Z,34nm,1.1s	22.99	335	eP	P	03 15 50.2	-1.3
ABTX	Ablene, Hawle baz=150,SNR=8.4	22.99	335	P	P	03 15 49.6	-2.0
W45A	Hickory Valley baz=177,SNR=7.0	22.99	358	P	P	03 15 50.0	-1.4
W49A	Belvidere baz=185,SNR=6.4	23.00	4	P	P	03 15 51.2	-0.4
W47A	Westpoint baz=181,SNR=11	23.07	1	P	P	03 15 51.5	-0.8
SWET	Sewanee comp=Z,32nm,1.5s	23.12	5	eP	P	03 15 52.8	0.0
W50A	Signal Mountai comp=Z,10nm,0.9s	23.16	6	eP	P	03 15 54.6	+1.4
W50A	Signal Mountai baz=187	23.16	6	P	P	03 15 52.9	-0.3

W51A	Cleveland baz=188	23.19	7	P	P	03 15 54.1	+0.7
PCRV	Puerto La Cruz comp=Z,10.0nm,0.7s,baz=190,slow=11,SNR=3.5	23.19	92	P	P	03 15 52.2	-1.5
PCRV	comp=Z,111nm,20.7s,baz=223,slow=41,LF	23.23	9	eP	LR	03 26 15.5	
W52A	Murphy comp=Z,14nm,1.0s	23.23	9	eP	P	03 15 54.4	+0.5
W52A	Murphy baz=190,SNR=1.9	23.23	9	P	P	03 15 54.6	+0.7
W41B	Gary Mavity, V comp=Z,38nm,1.0s	23.28	352	eP	P	03 15 54.1	-0.3
W41B	Gary Mavity, V baz=179,SNR=1.9	23.28	352	P	P	03 15 53.7	-0.7
BG3	Lake Jocassee comp=Z,22nm,1.0s	23.30	11	eP	P	03 15 55.5	+0.8
WHAR	Wooly Hollow comp=Z,19nm,1.0s	23.40	352	eP	P	03 15 55.6	+0.1
W40A	Ferguson Farm, comp=Z,33nm,0.9s	23.43	350	P	P	03 15 55.9	+0.1
W40A	Ferguson Farm, baz=168,SNR=8.7	23.43	350	P	P	03 15 55.3	-0.5
W53A	Cullowhee baz=192	23.43	10	P	P	03 15 56.0	0.0
CPCT	Cooper Cave comp=Z,8.0nm,0.9s	23.50	8	eP	P	03 15 58.1	+1.6
W39A	Magazine comp=Z,39nm,1.0s	23.57	348	eP	P	03 15 57.6	+0.5
W39A	Magazine baz=166,SNR=16	23.57	348	P	P	03 15 56.9	-0.2
V45A	Humboldt baz=179	23.57	358	P	P	03 15 55.6	-1.5
V48A	Smith Brothers baz=183	23.59	3	P	P	03 15 57.0	-0.3
V46A	Holladay baz=189	23.62	0	P	P	03 15 56.4	-1.2
V47A	Nunnelly baz=181	23.65	1	P	P	03 15 56.7	-1.2
V50A	Pikeville baz=187	23.65	6	P	P	03 15 58.8	+0.9
V49A	Nicholsville baz=185	23.67	5	P	P	03 15 57.3	-0.8
KMSC	Kings Mountain comp=Z,16nm,0.9s	23.79	14	eP	P	03 15 59.4	+0.1
KMSC	Kings Mountain baz=197,SNR=2.6	23.79	14	P	P	03 15 59.3	+0.1
V42A	Cord baz=172	23.80	354	P	P	03 15 57.3	-2.0
TKL	Tuckaleechee C comp=Z,34nm,1.0s,baz=184,slow=10,SNR=24	23.81	9	P	LR	03 25 40.7	
TKL	Tuckaleechee C comp=Z,11nm,1.0s	23.81	9	eP	LR	03 15 59.7	+0.2
V41A	Mountainview baz=170,SNR=9.5	23.87	352	P	P	03 15 59.1	-0.9
V51A	Loudon baz=189	23.87	8	P	P	03 16 01.1	+1.1
WVT	Waverly baz=181	23.95	1	P	P	03 16 00.6	-0.1
V53A	Saluda comp=Z,15nm,0.8s	23.98	11	eP	P	03 16 01.6	+0.5
V53A	Saluda baz=182,SNR=7.0	23.98	11	P	P	03 16 01.4	+0.3
V40A	Witts Springs comp=Z,26nm,0.8s	23.99	351	eP	P	03 16 00.7	-0.4
V40A	Witts Springs baz=169,SNR=22	23.99	351	P	P	03 16 00.5	-0.6
V52A	Sevierville comp=Z,20nm,1.0s	24.02	9	eP	P	03 16 01.4	0.0
V52A	Sevierville baz=191,SNR=9.7	24.02	9	P	P	03 16 01.0	-0.3
V39A	Pettigrew baz=167,SNR=38	24.16	349	P	P	03 16 01.9	-0.8
U46A	Springville baz=180,SNR=6.9	24.17	0	P	P	03 16 01.3	-1.5
U47A	Claytonville baz=182,SNR=9.7	24.27	2	P	P	03 16 02.1	-1.5
U42A	Reverend baz=173	24.32	354	P	P	03 16 02.6	-1.5
U48A	Cassie Pea, Po baz=194	24.37	3	P	P	03 16 03.2	-1.4
U41A	Viola baz=171	24.39	353	P	P	03 16 03.5	-1.3
U50A	Jamestown baz=180	24.42	7	P	P	03 16 04.7	-0.4
U49A	Red Boiling Sp baz=186,SNR=7.2	24.42	5	P	P	03 16 03.3	-1.8
U50A	La Follette baz=190	24.48	8	P	P	03 16 05.9	+0.3
WMOK	Wichita Mounta comp=Z,26nm,1.2s	24.52	339	eP	P	03 16 05.3	-0.7
WMOK	Wichita Mounta baz=154,SNR=15	24.52	339	P	P	03 16 05.0	-1.0
U40A	Yellow baz=169,SNR=35	24.53					

K40A	Colesburg	30.61 356	P	P	03 16 59.1 -1.3
K39A	Delwein	30.68 355	P	P	03 16 59.3 -1.8
N59A	State Game Lan	30.73 19	P	P	03 17 02.2 +0.6
PTGA	Pitinga	30.78 112	LR	LR	03 30 42.8
K48A	Perry	30.81 6	P	P	03 17 00.4 -1.9
K37A	Belmond	30.94 352	P	P	03 17 01.5 -1.9
J42A	Columbus	31.13 359	P	P	03 17 03.1 -1.9
J43A	Natural Harves	31.19 360	P	P	03 17 04.2 -1.3
J41A	Loganville	31.21 357	P	P	03 17 03.7 -2.0
J40A	Soldiers Grove	31.28 356	P	P	03 17 04.9 -1.4
J39A	Decorah	31.29 355	P	P	03 17 05.0 -1.4
WUAZ	Wupatki	31.37 322	eP	P	03 17 08.3 +0.8
WUAZ	Wupatki	31.37 322	P	P	03 17 07.9 +0.4
I43A	Langensfeld Bro	31.69 0	P	P	03 17 07.9 -2.1
I42A	Draeger Farm,	31.70 359	eP	P	03 17 08.7 -1.3
I42A	Draeger Farm,	31.70 359	P	P	03 17 08.7 -1.3
SMCO	Snowmass	31.72 332	eP	P	03 17 12.3 +1.6
I39A	Houston	31.79 355	eP	P	03 17 09.5 -1.4
I39A	Houston	31.79 355	P	P	03 17 09.7 -1.2
BINY	Binghamton	31.84 17	P	P	03 17 12.0 +0.7
I41A	Arkdale	31.90 358	P	P	03 17 10.3 -1.4
PV12	Saucer Basin,	31.94 328	eP	P	03 17 15.2 +2.7
H43A	Windswept, Lux	32.28 1	P	P	03 17 14.0 -1.1
ECSD	EROS Data Cent	32.37 349	P	P	03 17 14.3 -1.6
SAML	Samuel	32.47 129	eP	P	03 17 17.2 +0.1
H40A	Chili	32.48 357	P	P	03 17 15.0 -1.9
H38A	Augusta	32.59 356	P	P	03 17 16.4 -1.4
H39A	Malden Rock	32.67 355	P	P	03 17 17.7 -0.8
IKP	In-Ko-Pah, Jac	32.77 313	P	P	03 17 20.7 +0.9
BC3	Big Chuckawall	32.87 315	P	P	03 17 21.6 +1.1
G42A	Mountain	33.05 360	P	P	03 17 19.7 -2.1
G43A	Wallace	33.06 1	P	P	03 17 20.5 -1.4
O20A	White River Ci	33.07 331	eP	P	03 17 24.5 +2.1
G40A	Rib Lake	33.12 357	eP	P	03 17 20.9 -1.6
G40A	Rib Lake	33.12 357	P	P	03 17 20.3 -2.2
G38A	Ridgeland	33.12 355	P	P	03 17 20.2 -2.3
G39A	Holcomb	33.19 356	P	P	03 17 20.6 -2.5
KNB	Kanab	33.24 323	eP	P	03 17 28.3 +4.4
SPMN	Marine on St.	33.26 354	eP	P	03 17 22.4 -1.3
SPMN	Marine on St.	33.26 354	P	P	03 17 21.4 -2.3
SADO	Sadova	33.49 12	P	P	03 17 24.0 -1.7
SADO	Sadova	33.49 12	eP	P	03 17 24.0 -1.7
SUSD	Miller	33.55 346	P	P	03 17 24.5 -1.7
F41A	Three Lakes	33.55 359	P	P	03 17 24.6 -1.7
F37A	Hinrichs Farm,	33.74 354	P	P	03 17 26.5 -1.3
F40A	Park Falls	33.76 358	P	P	03 17 25.6 -2.5
SZCU	Shurtz Canyon	33.79 323	eP	P	03 17 32.9 +4.2
F39A	Loretta	33.80 357	P	P	03 17 25.9 -2.5
F44A	Big Bay de Noc	33.81 2	P	P	03 17 26.4 -2.1
RWWY	Rawlins	33.86 334	eP	P	03 17 30.7 +1.5
F38A	Pierce - Schno	33.91 355	P	P	03 17 27.3 -2.0
E43A	Lone Tree Farm	34.20 1	P	P	03 17 30.1 -1.6
E42A	Champion	34.24 0	P	P	03 17 30.0 -2.2
E39A	Mellen	34.24 357	P	P	03 17 30.2 -2.0
E40A	Wakfield	34.28 358	P	P	03 17 29.9 -2.6
LPZA	La Puz	34.47 144	LR	LR	03 32 24.4
E38A	The Farm, Brul	34.53 356	eP	P	03 17 33.1 -1.6
E38A	The Farm, Brul	34.53 356	P	P	03 17 32.6 -2.1
RSSD	Black Hills	34.72 340	P	P	03 17 36.4 -0.2
TPNV	Topopah Spring	35.32 319	P	P	03 17 42.6 +0.8
MPMC	Manual Prospec	35.60 317	P	P	03 17 44.6 +0.2
PD31	Pinedale Array	35.76 333	eP	P	03 17 45.4 -0.2
PD31	Pinedale Array	35.76 333	eP	P	03 20 13.5 +0.5
PDAR	Pinedale Array	35.76 333	eP	P	03 17 45.4 -0.2
PDAR	Pinedale Array	35.76 333	eP	P	03 20 13.5 +0.5
MDP	Montagnes des	35.80 98	LR	LR	03 35 56.1
EYMN	Ely	35.86 356	P	P	03 17 43.3 -2.9
AHID	Auburn Hatcher	36.47 331	eP	P	03 17 54.4 +2.7
AGMN	Agassiz Nation	36.67 351	eP	P	03 17 51.5 -1.5
AGMN	Agassiz Nation	36.67 351	P	P	03 17 51.2 -1.8
REDW	Red Top Meadow	36.81 332	eP	P	03 17 54.8 +0.2
LOHW	Long Hollow	36.90 333	eP	P	03 17 55.2 -0.1
TPAW	Teton Pass	36.96 332	eP	P	03 17 56.9 +1.0
MOOW	Moose Ponds	37.07 333	eP	P	03 17 56.2 -0.6
FXWY	Fox Creek	37.11 332	eP	P	03 17 58.7 +1.5
NV01	Mina Array Sit	37.51 320	eP	P	03 18 01.3 +0.4
NV01	Mina Array Sit	37.51 320	eP	P	03 20 19.8 +1.7
NVAR	Mina Array Bea	37.51 320	eP	P	03 18 01.7 +1.1
NVAR	Mina Array Bea	37.51 320	eP	P	03 20 19.8 +1.4
NVAR	Mina Array Bea	37.51 320	eP	P	03 36 32.7
RLMT	Red Lodge	37.53 335	eP	P	03 18 00.5 -0.2
RLMT	Red Lodge	37.53 335	P	P	03 18 00.0 -0.6
LAAH	LASA Array	37.71 340	P	P	03 18 01.6 -0.3
YHO	Holmes Hill	37.93 333	eP	P	03 18 09.0 +4.9
ULM	Lac du Bonnet	38.58 352	P	P	03 18 06.9 -2.2

ULM	comp=Z,112nm,21.8s,baz=157,slow=37	LR	LR	03 34 35.0	
ULM	Lac du Bonnet	38.58 352	eP	P	03 18 07.0 -2.2
DGMT	Dagmar	38.65 343	eP	P	03 18 09.9 +0.1
DGMT	Dagmar	38.65 343	P	P	03 18 09.6 -0.2
SIV	San Ignacio	38.70 135	P	P	03 18 11.2 +0.6
MCMT	McKenzie Canyo	38.86 332	eP	P	03 18 12.6 +0.7
BOZ	Bozeman (W)	38.91 334	eP	P	03 18 12.0 -0.2
DLMT	Dillon	39.15 333	eP	P	03 18 17.6 +3.3
MSO	Missoula	40.88 333	eP	P	03 18 31.0 +2.5
MSO	Missoula	40.88 333	P	P	03 18 30.4 +1.9
I04A	Tendick Farm,	43.19 323	P	P	03 18 48.0 +0.7
SCHO	Schefferville	45.84 17	P	P	03 19 05.9 -2.3
SCHO	Schefferville	45.84 17	LR	LR	03 39 48.8
SCHO	Schefferville	45.84 17	eP	P	03 19 06.8 -1.5
BDFB	Braeia	48.37 124	P	P	03 19 29.4 +0.8
BDFB	Braeia	48.37 124	LR	LR	03 41 44.1
CPUP	Villa Florida	48.55 142	LR	LR	03 41 09.9
YKA	Yellowknife Ar	53.78 345	P	P	03 20 07.2 -1.2
YKB5	Yellowknife Ar	53.78 345	eP	P	03 20 07.2 -1.2
PAX	Paxon	64.75 335	eP	P	03 21 27.3 +2.9
IL1	Eielson Array	66.06 336	eP	P	03 21 31.4 -1.4
ILAR	Eielson Array	66.06 336	P	P	03 21 31.8 -1.0
ILB	Eielson Array	66.06 336	eP	P	03 21 31.8 -1.0
RND	Reindeer	66.33 335	eP	P	03 21 34.4 -0.2
ESDC	Sonsea Array	77.99 52	P	P	03 22 42.7 -2.1
AS31	Alice Springs	138.46 248	ePKP	PKP	03 30 14.0 +1.6
ASAR	Alice Springs	138.46 248	PKP	PKP	03 30 14.0 +1.6
WR1	Warramunga Arr	138.47 254	ePKP	PKP	03 30 15.0 +2.5
WR1	Warramunga Arr	138.47 254	PKP	PKP	03 30 15.0 +2.5
CM31	Chiang Mai Arr	148.85 347	ePKP	PKP	03 30 32.9 -1.6
CMAR	Chiang Mai Arr	148.85 347	PKP	PKP	03 30 32.9 -1.6

IDC 02 03:12:34.1-1.6, 0.88S:128.00E, h0km, mb4.0/2,
 mb1 4.1/4, mb1mx3.7/39, mbtpm3.9/4, ML3.7/2, MS3.7/2,
 Ms1 3.7/2, ms1mx2.7/47, Error ellipse: s-maj=108.4km
 s-min=22.0km az=70.0, Halmahera

Code	Station Name	Δ°	AZ°	Phase ID	h	m	s	ISC	Time	Res
FITZ	Fitzroy Crossi	17.27	188	Op	ISC				03 16 36.5	-0.3
WRA	Warramunga Arr	19.94	162	P	P				03 17 07.9	0.0
ASAR	Alice Springs	23.36	166	P	P				03 17 44.6	+0.1
URZ	Urewera	58.36	136	LR	LR				03 49 35.3	
MKAR	Makanchi Array	62.05	326	P	P				03 22 56.6	0.0
MKAR	Makanchi Array	62.05	326	P	P				03 23 36.8	-0.3
AKTO	Aktubinsk	78.04	322	LR	LR				04 00 21.2	

NIED 02 03:17:00.45:80N:142:80E, h360km, Mw4.4 Best
 double couple: M=740000:1015: NP1φs:104.00000°,
 δ37.00000°, λ:175.00000°. NP2φs:198.00000°, δ87.00000°,
 λ53.00000°.

JMA 02 03:17:09.7:0.2, 45:80N:142:76E, h344km, 2km, M4.5
 MOS 02 03:17:09.3:0.9, 45:91N:142:58E, h340km, mb4.2/39,
 Error ellipse: s-maj=8.3km s-min=6.1km az=96.1
 IDC 02 03:17:09.9:0.5, 45:93N:142:62E, h334km, 5km, mb3.6/22,
 mb1 3.8/31, mb1mx3.7/42, mbtpm4.4/31, Error ellipse:
 s-maj=10.1km s-min=8.8km az=173.0
 ISCJB 02 03:17:09.6:0.1, 45:97N:142:60E, 0:03,
 h339km, 1km, mb4.1/115, Error ellipse: s-maj=3.7km
 s-min=3.2km az=165.8
 SKHL 02 03:17:10.3:0.4, 45:91N:142:61E, h343km, 21km, mb4.9/2,
 ms4.7/4
 NEIC 02 03:17:10.8:0.2, 45:89N:142:59E, mb4.2/85, Error
 ellipse: s-maj=6.3km s-min=3.5km az=157.0
 ISC 02 03:17:09.9:0.4, 45:82N:104:142:64E, 0:04, h337km, 4km,
 n275, σ192/322, mb4.2/115, 27C-17D, Hokkaido region

Code	Station Name	Δ°	AZ°	Phase ID	h	m	s	ISC	Time	Res
JWK2	Keihoku	0.72	226	Op	ISC				03 17 54.3	+1.0
JWK2	Keihoku	0.72	226	eP	P				03 18 28.4	+0.4
JSE	Soyaes	0.86	182	Op	P				03 17 54.2	+0.4
JSE	Soyaes	0.86	182	eP	P				03 18 28.1	-0.8
YSS	Yuzh-Sakhalins	1.14	4	eP	S				03 17 55.4	+0.7
YSS	Yuzh-Sakhalins	1.14	4	eP	S				03 18 28.4	+2.3
YSS	Yuzh-Sakhalins	1.14	4	Op	P				03 17 55.4	+0.7
YSS	Yuzh-Sakhalins	1.14	4	Op	P				03 17 55.6	
YSS	600nm, 0.3s			iS	S				03 18 30.1	-0.6
YSS	600nm, 0.3s			A	A				03 18 31.5	
YSS	2um, 4.2s			A	A				03 18 31.5	
YSS	800nm, 0.7s			A	A				03 18 31.5	
YSS	530nm, 0.7s			A	A				03 17 55.5	+0.8
YSS	Yuzh-Sakhalins	1.14	4	Op/PN	P				03 18 30.2	-0.5
YSS	Yuzh-Sakhalins	1.14	4	iS	S				03 18 30.2	-0.5
YSS	comp=Z,360nm,0.4s			pmx	pmx					
YSS	comp=N,800um,0.7s			smx	smx					
YSS	comp=E,530nm,0.9s			smx	smx					
YSS	comp=Z,2um,4.2s			smx	smx					
JRR	Rishiri	1.16	234	eP	P				03 17 56.0	+1.1
JRR	Rishiri	1.16	234	iS	S				03 18 32.1	+1.1
KHLM	Kholmok	1.30	342	Op	P				03 17 56.2	+0.6
KHLM	Kholmok	1.30	342	Op	P				03 17 56.2	+0.6
KHLM	comp=Z,550nm,0.2s			iS	S				03 18 32.0	-0.1
KHLM	comp=Z,550nm,0.2s			A	A				03 18 33.7	
KHLM	comp=Z,850nm,0.5s			A	A				03 18 33.7	
JSS	Shosan	1.53	202	eP	P				03 17 57.9	+1.0
JSS	Shosan	1.53	202	iS	S				03 18 36.1	+1.5
JYG	Yagishiri	1.64	212	Op	P				03 17 58.4	+0.8
JYG	Yagishiri	1.64	212	eP	P				03 18 38.7	+0.2
ASAJ	Asahikawa	1.71	181	Op	P				03 17 59.0	+0.9
ASAJ	Asahikawa	1.71	181	Op	P				03 18 37.7	+1.1
ASAJ	Asahikawa	1.71	181	eP	P				03 17 58.8	+0.7
ASAJ	Asahikawa	1.71	181	eP	P				03 18 36.3	-0.4
ASAJ	Asahikawa	1.71	181	eP	P				03 17 58.9	+0.9
ASAJ	Asahikawa	1.71	181	eP	P				03 18 37.5	+0.9
JMP	Maruseppu	1.89	178	Op	P					

2d 3h

Table of astronomical observations for 2d 3h, listing object names (e.g., MSHR Mys Shultsa), coordinates, magnitudes, and other parameters.

2012 OCT

Table of astronomical observations for 2012 OCT, listing object names (e.g., KBK Karagaybulak), coordinates, magnitudes, and other parameters.

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Table of astronomical observations for 68, listing object names (e.g., RYN Ryan), coordinates, magnitudes, and other parameters.

MOS 02 03:33:26.0, 9, 18.72S x 174.88W, h75km, mb5.4/45, Error ellipse: s-maj=8.4km s-min=6.7km az=51.1, BJI 02 03:33:26.7, 18.42S x 174.52W, h95km, mb5.2/43, ISCJB 02 03:33:32.9, 0.1, 18.84S x 02:174.90W, 0.02, h134km, mb5.0/345, Error ellipse: s-maj=3.5km s-min=2.0km

2d 3h

Table with columns: Station, Name, Frequency, Power, Class, and Signal. Includes stations like SMMC Simmler, PMPB Monarch Peak, PMPB Yreka Blue Hor, etc.

2012 OCT

Table with columns: Station, Name, Frequency, Power, Class, and Signal. Includes stations like GLA Glamis, WAKR Walker, YBHE Yreka Blue Hor, etc.

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Table with columns: Station, Name, Frequency, Power, Class, and Signal. Includes stations like LCMT Little Creek M, LCMT E04D Cinebar, CCUT Cedar City, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like BGNE Belgrade, 341A Kuthwood, 140A Cam and Jess, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like F37A Hinrichs Farm, X47A Russelville, TIXI Tixi, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like VSR Storozevoje, VSR Divnogorie, LSZ Lusaka, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, I, S, C, h, m, s, Res, ISC. Includes stations like HGHN Heimansgroeve, NKC Novy Kostel, VRAC Vranov, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, I, S, C, h, m, s, Res, ISC. Includes stations like TTG Podgorica, SSB Saint Sauveur, KRUS Krusevo, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, I, S, C, h, m, s, Res, ISC. Includes stations like JOSI, BHGR Bahadurgarh, BHGR Thamer Wai, etc.

MEX 02 03:39:01.4, 0.4, 247.0M, 110.53W, h5km, MD3.6, Baja

Table with columns: Code, Station Name, Az, El, Op, Phase, I, S, C, h, m, s, Res, ISC. Includes stations like LPIG La Paz, LPIG Sierra La Lagu, etc.

IDC 02 03:45:26.1, 0.8, 32.27N; 76.33E, h0km, mb4.2/16, mb1.4/18, mb1mx4.2/18, mbtmp4.2/18, ML4.02, MS3.7/2, Ms1.3/7.2, ms1mx2.8/46, Error ellipse: s-maj=19.5km s-min=17.3km az=36.0

ISC/JB 02 03:45:27.4, 0.2, 32.39N; 0.02; 76.49E; 0.03, h14km, ML4.3/29, MS3.7/2, Error ellipse: s-maj=3.9km s-min=2.6km az=146.6

CM31	Chiang Mai Arr	25.65 296	eP	P	06 30 59.3 +1.1
CMAR	Chiang Mai Arr	25.65 296	P	P	06 30 59.5 +1.4
CMAR	4.4nm,0.6s,baz=123,slow=7.7,SNR=78		PcP	PcP	06 34 29.5 +1.3
CMAR	comp=Z,1.1um,18.9s,baz=116,slow=37		LR	LR	06 41 18.8
KCSI	Kotacane, Aceh	25.72 261	P	P	06 30 58.7 -0.2
KMI	Kuning	25.73 313	P	P	06 31 00.1 +1.1
KMI			pP	pP	06 31 10.5 -0.1
KMI			sP	sP	06 31 17.0 +1.2
KMI			PnPn	PnS	06 31 43.3 +6.2
KMI			S	S	06 35 25.7 +0.4
KMI			sS	sS	06 35 46.3 +1.6
KMI	comp=Z,1.6nm,1.0s		pmx	pmx	
KMI	comp=Z,260nm,4.7s		pmx	pmx	
KMI	comp=N,630nm,16.2s		LR	LR	
KMI	comp=E,1.1um,15.8s		LR	LR	
KMI	comp=Z,1.1um,16.9s		LR	LR	
JNU	Nakatsue	25.74 15	P	P	06 30 56.8 -2.0
JNU	Nakatsue	25.74 15	eP	P	06 30 57.2 -1.6
CMMT	Chiang Mai	25.77 296	P	P	06 30 59.9 +0.7
CHTO	Chiang Mai	25.77 296	eP	P	06 30 60.0 +0.7
CHTO	Chiang Mai	25.77 296	eP	P	06 30 59.9 +0.7
CHTO	Chiang Mai	25.77 296	eP	P	06 31 00.0 +0.7
CHTO	Chiang Mai	25.77 296	eP	P	06 31 00.0 +0.7
LHMI	Lhok Sumawe	26.24 265	P	P	06 31 06.6 +3.1
LHMI	Lhok Sumawe	26.24 265	eP	P	06 31 03.9 +0.3
LHMI	Lhok Sumawe	26.24 265	eP	P	06 31 19.4 -1.0
FITZ	Fitzroy Crossi	26.30 175	P	P	06 31 03.8 -0.1
FITZ	Fitzroy Crossi	26.30 175	eP	P	06 31 03.9 -0.1
FITZ	Fitzroy Crossi	26.30 175	eP	P	06 43 40.5
FITZ	Fitzroy Crossi	26.30 175	eP	P	06 31 04.0 0.0
TPTI	Gunungsitoli	26.35 261	P	P	06 31 02.0 -2.5
GSI	Gunungsitoli	26.44 256	eP	P	06 31 05.3 0.0
TJN	Taejon	26.44 256	eP	P	06 31 04.6 -0.8
XAN	Xi'an	28.83 335	P	P	06 31 19.7 -1.5
XAN			pP	pP	06 31 25.6 -1.0
XAN			S	S	06 36 22.5 +8.8
XAN	comp=Z,30nm,0.9s		pmx	pmx	
XAN	comp=Z,140nm,8.2s		LR	LR	
XAN	comp=Z,510nm,16.7s		LR	LR	
XAN	comp=Z,530nm,14.2s		LR	LR	
XAN	comp=Z,420nm,14.7s		LR	LR	
CD2	Chengdu	28.94 324	P	P	06 31 27.3 -0.3
CD2			pP	pP	06 31 38.5 -0.7
CD2			sP	sP	06 31 43.7 -0.7
CD2			S	S	06 36 16.8 +1.3
CD2	comp=Z,40nm,0.6s		pmx	pmx	
CD2	comp=Z,150nm,4.6s		pmx	pmx	
CD2	comp=Z,1.1um,16.9s		LR	LR	
CD2	comp=Z,1.1um,18.4s		LR	LR	
CD2	comp=Z,1.1um,16.9s		LR	LR	
KS15	Wonju Array Si	29.36 8	eP	P	06 31 30.5 -0.6
KSAR	Wonju Array Be	29.36 8	P	P	06 31 30.6 -0.5
KSAR	Wonju Array Be	29.36 8	P	P	06 31 30.6 -0.5
KSAR	Wonju Array Be	29.36 8	P	P	06 31 30.6 -0.6
KSAR	Wonju Array Be	29.36 8	P	P	06 44 26.9
KS01	Wonju Array Si	29.39 8	eP	P	06 31 30.4 -1.0
MBWA	Marble Bar	29.43 187	eP	P	06 31 31.3 -0.7
PMG	Port Moresby	29.62 126	P	P	06 31 34.4 +0.7
PMG	Port Moresby	29.62 126	eP	P	06 31 32.9 -0.8
COEN	Coen	29.67 138	P	P	06 31 34.0 -0.1
INU	Inuyama	29.78 23	eP	P	06 31 33.0 -1.9
WRAB	Tennant Creek	30.09 159	eP	P	06 31 37.9 +0.1
WRAB	Tennant Creek	30.09 159	eP	P	06 31 37.7 -1.1
WR1	Warramunga Arr	30.10 159	eP	P	06 31 36.7 -1.1
WRA	Warramunga Arr	30.10 159	eP	P	06 44 54.0
WRA	Warramunga Arr	30.10 159	eP	P	06 31 36.9 -1.0
WB2	Dalian	30.54 358	eP	P	06 31 40.7 -0.9
DL2			sP	sP	06 31 56.3 -2.1
DL2			S	S	06 36 40.7 +0.4
DL2	comp=Z,32nm,0.5s		pmx	pmx	
DL2	comp=Z,310nm,15.3s		LR	LR	
DL2	comp=Z,880nm,19.1s		LR	LR	
DL2	comp=Z,560nm,15.8s		LR	LR	
MAJO	Matsushiro	31.29 24	eP	P	06 31 45.9 -2.4
MAJO	Matsushiro	31.29 24	eP	P	06 31 45.1 -3.2
MAJO	Matsushiro	31.29 24	eP	P	06 31 45.9 -2.4
MAT	Matsushiro	31.29 24	P	P	06 36 48.4 -3.8
MAT	Matsushiro	31.29 24	P	P	06 31 45.5 -2.8
MJAO	Matsu Arr-Jizo	31.31 24	P	P	06 31 45.9 -2.5
MJAO	Matsu Arr-Jizo	31.31 24	P	P	06 31 56.0 -0.5
BJT	Baijiatuu	32.24 350	eP	P	06 31 56.0 -0.5
BJT	Baijiatuu	32.24 350	eP	P	06 31 56.0 -0.5
BJT	Baijiatuu	32.24 350	eP	P	06 31 55.9 -0.8
BJI	Beijing	32.26 350	iP	P	06 32 18.4 +4.8
BJI	Beijing	32.26 350	iP	P	06 32 18.4 +4.8
BJI	Beijing	32.26 350	iP	P	06 32 18.4 +4.8
BJI	Beijing	32.26 350	iP	P	06 32 18.4 +4.8
BJI	Beijing	32.26 350	iP	P	06 32 18.4 +4.8
LZH	Lanzhou	32.85 330	eP	P	06 32 03.1 +1.0
LZH	Lanzhou	32.85 330	eP	P	06 32 17.3 -1.7
LZH	Lanzhou	32.85 330	eP	P	06 32 23.4 -1.0
LZH	Lanzhou	32.85 330	eP	P	06 33 19.2 +2.2
LZH	Lanzhou	32.85 330	eP	P	06 37 26.2 +9.4
LZH	Lanzhou	32.85 330	eP	P	06 39 24.9 +8.7
LZH	Lanzhou	32.85 330	eP	P	06 32 03.1 +1.0
LZH	Lanzhou	32.85 330	eP	P	06 32 17.3 -1.7
LZH	Lanzhou	32.85 330	eP	P	06 32 23.4 -1.0
LZH	Lanzhou	32.85 330	eP	P	06 33 19.2 +2.2
LZH	Lanzhou	32.85 330	eP	P	06 37 26.2 +9.4
LZH	Lanzhou	32.85 330	eP	P	06 39 24.9 +8.7
LZH	Lanzhou	32.85 330	eP	P	06 32 03.1 +1.0
LZH	Lanzhou	32.85 330	eP	P	06 32 17.3 -1.7
LZH	Lanzhou	32.85 330	eP	P	06 32 23.4 -1.0
LZH	Lanzhou	32.85 330	eP	P	06 33 19.2 +2.2
LZH	Lanzhou	32.85 330	eP	P	06 37 26.2 +9.4
LZH	Lanzhou	32.85 330	eP	P	06 39 24.9 +8.7
LZH	Lanzhou	32.85 330	eP	P	06 32 03.1 +1.0
LZH	Lanzhou	32.85 330	eP	P	06 32 17.3 -1.7
LZH	Lanzhou	32.85 330	eP	P	06 32 23.4 -1.0
LZH	Lanzhou	32.85 330	eP	P	06 33 19.2 +2.2
LZH	Lanzhou	32.85 330	eP	P	06 37 26.2 +9.4
LZH	Lanzhou	32.85 330	eP	P	06 39 24.9 +8.7
LZH	Lanzhou	32.85 330	eP	P	06 32 03.1 +1.0
LZH	Lanzhou	32.85 330	eP	P	06 32 17.3 -1.7
LZH	Lanzhou	32.85 330	eP	P	06 32 23.4 -1.0
LZH	Lanzhou	32.85 330	eP	P	06 33 19.2 +2.2
LZH	Lanzhou	32.85 330	eP	P	06 37 26.2 +9.4
LZH	Lanzhou	32.85 330	eP	P	06 39 24.9 +8.7
LZH	Lanzhou	32.85 330	eP	P	06 32 03.1 +1.0
LZH	Lanzhou	32.85 330	eP	P	06 32 17.3 -1.7
LZH	Lanzhou	32.85 330	eP	P	06 32 23.4 -1.0
LZH	Lanzhou	32.85 330	eP	P	06 33 19.2 +2.2
LZH	Lanzhou	32.85 330	eP	P	06 37 26.2 +9.4
LZH	Lanzhou	32.85 330	eP	P	06 39 24.9 +8.7
LZH	Lanzhou	32.85 330	eP	P	06 32 03.1 +1.0
LZH	Lanzhou	32.85 330	eP	P	06 32 17.3 -1.7
LZH	Lanzhou	32.85 330	eP	P	06 32 23.4 -1.0
LZH	Lanzhou	32.85 330	eP	P	06 33 19.2 +2.2
LZH	Lanzhou	32.85 330	eP	P	06 37 26.2 +9.4
LZH	Lanzhou	32.85 330	eP	P	06 39 24.9 +8.7
LZH	Lanzhou	32.85 330	eP	P	06 32 03.1 +1.0
LZH	Lanzhou	32.85 330	eP	P	06 32 17.3 -1.7
LZH	Lanzhou	32.85 330	eP	P	06 32 23.4 -1.0
LZH	Lanzhou	32.85 330	eP	P	06 33 19.2 +2.2
LZH	Lanzhou	32.85 330	eP	P	06 37 26.2 +9.4
LZH	Lanzhou	32.85 330	eP	P	06 39 24.9 +8.7
LZH	Lanzhou	32.85 330	eP	P	06 32 03.1 +1.0
LZH	Lanzhou	32.85 330	eP	P	06 32 17.3 -1.7
LZH	Lanzhou	32.85 330	eP	P	06 32 23.4 -1.0
LZH	Lanzhou	32.85 330	eP	P	06 33 19.2 +2.2
LZH	Lanzhou	32.85 330	eP	P	06 37 26.2 +9.4
LZH	Lanzhou	32.85 330	eP	P	06 39 24.9 +8.7
LZH	Lanzhou	32.85 330	eP	P	06 32 03.1 +1.0
LZH	Lanzhou	32.85 330	eP	P	06 32 17.3 -1.7
LZH	Lanzhou	32.85 330	eP	P	06 32 23.4 -1.0
LZH	Lanzhou	32.85 330	eP	P	06 33 19.2 +2.2
LZH	Lanzhou	32.85 330	eP	P	06 37 26.2 +9.4
LZH	Lanzhou	32.85 330	eP	P	06 39 24.9 +8.7
LZH	Lanzhou	32.85 330	eP	P	06 32 03.1 +1.0
LZH	Lanzhou	32.85 330	eP	P	06 32 17.3 -1.7
LZH	Lanzhou	32.85 330	eP	P	06 32 23.4 -1.0
LZH	Lanzhou	32.85 330	eP	P	06 33 19.2 +2.2
LZH	Lanzhou	32.85 330	eP	P	06 37 26.2 +9.4
LZH	Lanzhou	32.85 330	eP	P	06 39 24.9 +8.7
LZH	Lanzhou	32.85 330	eP	P	06 32 03.1 +1.0
LZH	Lanzhou	32.85 330	eP	P	06 32 17.3 -1.7
LZH	Lanzhou	32.85 330	eP	P	06 32 23.4 -1.0
LZH	Lanzhou	32.85 330	eP	P	06 33 19.2 +2.2
LZH	Lanzhou	32.85 330	eP	P	06 37 26.2 +9.4
LZH	Lanzhou	32.85 330	eP	P	06 39 24.9 +8.7
LZH	Lanzhou	32.85 330	eP	P	06 32 03.1 +1.0
LZH	Lanzhou	32.85 330	eP	P	06 32 17.3 -1.7
LZH	Lanzhou	32.85 330	eP	P	06 32 23.4 -1.0
LZH	Lanzhou	32.85 330	eP	P	06 33 19.2 +2.2
LZH	Lanzhou	32.85 330	eP	P	06 37 26.2 +9.4
LZH	Lanzhou	32.85 330	eP	P	06 39 24.9 +8.7
LZH	Lanzhou	32.85 330	eP	P	06 32 03.1 +1.0
LZH	Lanzhou	32.85 330	eP	P	06 32 17.3 -1.7
LZH	Lanzhou	32.85 330	eP	P	06 32 23.4 -1.0
LZH	Lanzhou	32.85 330	eP	P	06 33 19.2 +2.2
LZH	Lanzhou	32.85 330	eP	P	06 37 26.2 +9.4
LZH	Lanzhou	32.85 330	eP	P	06 39 24.9 +8.7
LZH	Lanzhou	32.85 330	eP	P	06 32 03.1 +1.0
LZH	Lanzhou	32.85 330	eP	P	06 32 17.3 -1.7
LZH	Lanzhou	32.85 330	eP	P	06 32 23.4 -1.0
LZH	Lanzhou	32.85 330	eP	P	06 33 19.2 +2.2
LZH	Lanzhou	32.85 330	eP	P	06 37 26.2 +9.4
LZH	Lanzhou	32.85 330	eP	P	06 39 24.9 +8.7
LZH	Lanzhou	32.85 330	eP	P	06 32 03.1 +1.0
LZH	Lanzhou	32.85 330	eP	P	06 32 17.3 -1.7
LZH	Lanzhou	32.85 330	eP	P	06 32 23.4 -1.0
LZH	Lanzhou	32.85 330	eP	P	06 33 19.2 +2.2
LZH	Lanzhou	32.85 330	eP	P	06 37 26.2 +9.4
LZH	Lanzhou	32.85 330	eP	P	06 39 24.9 +8.7
LZH	Lanzhou	32.85 330	eP	P	06 32 03.1 +1.0
LZH	Lanzhou	32.85 330	eP	P	06 32 17.3 -1.7
LZH	Lanzhou	32.85 330	eP	P	06 32 23.4 -1.0
LZH	Lanzhou	32.85 330	eP	P	06 33 19.2 +2.2
LZH	Lanzhou	32.85 330	eP	P	06 37 26.2 +9.4
LZH	Lanzhou	32.85 330	eP	P	06 39 24.9 +8.7
LZH	Lanzhou	32.85 330	eP	P	06 32 03.1 +1.0
LZH	Lanzhou	32.85 330	eP	P	06 32 17.3 -1.7
LZH	Lanzhou	32.85 330	eP	P	06 32 23.4 -1.0
LZH	Lanzhou	32.85 330	eP	P	06 33 19.2 +2.2
LZH	Lanzhou	32.85 330	eP	P	06 37 26.2 +9.4
LZH	Lanzhou	32.85 330	eP	P	06 39 24.9 +8.7
LZH	Lanzhou	32.85 330	eP	P	06 32 03.1 +1.0
LZH	Lanzhou	32.85 330	eP	P	06 32 17.3 -1.7
LZH	Lanzhou	32.85 330	eP	P	06 32 23.4 -1.0
LZH	Lanzhou	32.85 330	eP	P	06 33 19.2 +2.2
LZH	Lanzhou	32.85 330	eP	P	06 37 26.2 +9.4
LZH	Lanzhou	32.85 330	eP	P	

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like 109C, CPE, CPBX, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like NV01, NVAR, NVAR, etc.

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

s-min=12.0km az=88.0
 MOS 02 09:32:47.2, 1.8, 4.45S, 35.78E, h10km, mb4.9/21, Error
 ellipse: s-maj=12.6km s-min=6.1km az=86.9
 ISCJB 02 09:32:47.0, 0.3, 4.47S, 0.04, 35.88E, 0.06, h10km,
 mb4.5/50, MS3.9/18, Error ellipse: s-maj=8.9km
 s-min=5.0km az=11.0
 BUJ 02 09:32:47.0, 4.70S, 36.10E, h5km, mb4.7/6, mb4.7/3
 NEIC 02 09:32:48.4, 0.3, 4.57S, 35.89E, h10km, mb4.7/18, Error
 ellipse: s-maj=10.4km s-min=6.8km az=101.0
 ISC 02 09:32:48.9, 0.4, 4.43S, 0.04, 35.77E, 0.05, h10km, n156,
 r1587/160, mb4.6/50, MS3.9/18, 3C-1D, Tanzania

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
NAI	Nairobi	3.30	18	Op	ISC	09 33 39.2	-1.7
NAI	Nairobi	3.30	18	eP	Pn	09 33 39.2	-1.7
KMBO	Kilima Mbogo	3.60	24	iP	S	09 33 43.3	-1.8
KMBO	Kilima Mbogo	3.60	24	iS	Sn	09 34 27.1	-0.8
KMBO	Kilima Mbogo	3.60	24	Pn	Sn	09 33 42.6	-2.4
KMBO	191nm, 0.3s, baz=199, slow=15, SNR=79						
KMBO	148nm, 0.3s, baz=269, slow=20, SNR=11						
KMBO	320nm, 0.3s, baz=276, slow=21, SNR=14				Lg	09 34 34.6	
KMBO	Kilima Mbogo	3.60	24	eP	Pn	09 33 45.1	0.0
KMBO	Kilima Mbogo	3.60	24	eS	Pn	09 34 24.9	-2.9
KMBO	Kilima Mbogo	3.60	24	iP	S	09 33 43.3	-1.8
KMBO	Kilima Mbogo	3.60	24	iS	Sn	09 34 27.1	-0.8
KMBO	Kilima Mbogo	3.60	24	Pn	Sn	09 33 43.3	-1.8
KMBO	Kilima Mbogo	3.60	24	iP	S	09 34 27.1	-0.8
KMBO	Kilima Mbogo	3.60	24	iS	Sn	09 33 45.1	0.0
KMBO	Kilima Mbogo	3.60	24	Pn	Sn	09 34 24.9	-2.9
MBAR	Mbarara	6.30	307	eP	Pn	09 34 23.2	+0.2
MBAR	22m, 0.3s, baz=179, slow=7, SNR=28						
MBAR	240nm, 0.3s, baz=183, slow=4, SNR=9.1				Sn	09 35 33.3	-1.2
MBAR	480nm, 0.3s, baz=197, slow=16, SNR=21				Lg	09 36 07.8	
MBAR	3.418nm, 19.1s, baz=138, slow=41				LR	09 37 14.6	
MBAR	Mbarara	6.30	307	eP	Sg	09 35 33.2	-1.2
MBAR	Mbarara	6.30	307	eS	Sg	09 36 07.4	-0.4
MBAR	Mbarara	6.30	307	iP	Sn	09 35 33.2	-1.2
MBAR	Mbarara	6.30	307	iS	Sn	09 36 07.4	-0.4
LODK	Lodwar	8.17	357	iP	Pn	09 34 44.4	+1.6
LODK	baz=175, slow=16				e	09 34 46.4	
LODK					Sg	09 36 51.7	-8.1
LODK					eS	09 36 53.8	-6.0
LODK					Pn	09 35 52.9	-2.5
LSZ	Lusaka	13.10	214	Pn	Sn	09 38 16.8	-4.6
LSZ	1.1nm, 0.3s, baz=35, slow=12, SNR=21						
LSZ	7.7nm, 0.3s, baz=313, slow=22, SNR=3.7				Lg	09 39 34.4	
LSZ	1.8nm, 0.3s, baz=286, slow=20, SNR=12						
LSZ	comp=Z, 349nm, 21.2s, baz=56, slow=34				LR	09 40 11.7	
AAE	Adis Abeba	13.70	13	eP	S	09 39 01.0	+1.8
BLWY	Bulawayo	17.10	203	iP	P	09 36 49.2	-0.9
BLWY	Bulawayo	17.10	203	iP	P	09 36 49.2	-0.9
BLWY	Bulawayo	17.10	203	iP	P	09 36 49.2	-0.9
ATD	Arta Tunnel	17.35	24	P	P	09 36 54.5	+1.7
ATD	0.5nm, 0.3s, baz=179, slow=7.3, SNR=5.7						
ATD	comp=Z, 221nm, 19.3s, baz=166, slow=35				LR	09 43 03.5	
MATP	Matopo	17.40	203	iP	Pn	09 36 51.8	-0.3
MATP	Matopo	17.40	203	iP	Pn	09 36 47.8	-4.3
MATP	0.6nm, 0.3s, baz=31, slow=13, SNR=10				LR	09 43 50.8	
MATP	comp=Z, 523nm, 18.6s, baz=29, slow=38						
MATP	Matopo	17.40	203	iP	Pn	09 36 51.8	-0.3
MATP	Matopo	17.40	203	iP	Pn	09 36 51.8	-0.3
OPO	Ambohidratompo	19.55	142	P	Pn	09 36 57.4	-1.5
OPO	0.3nm, 0.3s, baz=308, slow=13, SNR=10						
ABPO	Ambohimpunan	18.31	143	iP	P	09 37 06.6	+3.0
LBTB	Lobatse	22.68	205	iP	P	09 37 49.6	-1.2
LBTB	Lobatse	22.68	205	iP	P	09 37 49.6	-1.2
LBTB	Lobatse	22.68	205	iP	P	09 37 49.6	-1.2
LBTB	Lobatse	22.68	205	iP	P	09 37 49.3	-1.5
LBTB	comp=Z, 53nm, 1.0s				pmx		
TSUM	Tsumeb	23.03	229	P	P	09 37 55.1	+0.5
TSUM	comp=Z, 11nm, 1.1s, baz=58, slow=13, SNR=5.1						
TSUM	comp=Z, 596nm, 19.3s, baz=118, slow=38				LR	09 47 19.4	
TSUM	Tsumeb	23.03	229	P	P	09 37 55.2	+0.6
BOSA	Boshof	26.04	201	iP	P	09 38 22.8	+0.1
BOSA	Boshof	26.04	201	iP	P	09 38 22.4	-0.2
BOSA	comp=Z, 10nm, 0.8s, baz=21, slow=9.5, SNR=14				LR	09 48 54.4	
BOSA	comp=Z, 333nm, 19.6s, baz=24, slow=37						
BOSA	Boshof	26.04	201	iP	P	09 38 22.8	+0.1
BOSA	Boshof	26.04	201	iP	P	09 38 22.8	+0.1
TORD	Torodi Arr, Be	38.08	298	P	P	09 40 08.5	+0.3
TORD	comp=Z, 1.4nm, 1.0s, baz=129, slow=11, SNR=5.0				LR	09 56 23.2	
TOA1	Torodi Arr, Sit	38.08	298	eP	P	09 40 08.5	+0.3
TAM	Tamanrasset	40.06	314	P	P	09 40 28.1	+3.2
TAM	comp=Z, 4.5nm, 1.1s						
TAM	Tamanrasset	40.06	314	eP	P	09 40 28.1	+3.2
TAM	comp=Z, 5.0nm, 1.1s				pmx		
IDI	Anoyia	40.81	346	P	P	09 40 33.4	+2.6
IDI	comp=Z, 5.7nm, 0.8s, baz=157, slow=9.6, SNR=4.7						
IDI	Anoyia	40.81	346	eP	P	09 40 35.4	+4.6
DBIC	Dimbokro	42.02	285	LR	LR	09 57 39.3	
DBIC	comp=Z, 43nm, 20.3s, baz=88, slow=35						
ITM	Ithomi	43.36	344	eP	P	09 40 55.6	+4.1
ITM	comp=Z, 19nm, 1.1s						
BR101	Keskin Array S	43.98	358	eP	P	09 40 58.0	+1.3
BR101	Keskin Array B	43.98	358	eP	P	09 40 58.0	+1.3
BRTR	Keskin Array B	43.98	358	eP	P	09 40 58.0	+1.3
BRTR	comp=Z, 0.7nm, 0.6s, baz=174, slow=4.3, SNR=5.5						
BRTR	Keskin Array B	43.98	358	eP	P	09 40 58.0	+1.3
FNA	Florina	46.89	345	eP	P	09 41 19.1	-0.5
FNA	comp=Z, 16nm, 1.2s						
FNA	Florina	46.89	345	eP	P	09 41 19.1	-0.5
FNA	comp=Z, 16nm, 1.2s				pmx		
GEYT	Alibeck	46.98	24	LR	LR	10 02 49.4	
GEYT	comp=Z, 136nm, 19.9s, baz=240, slow=38						
NEY	Nejtrino	47.88	7	P	pmx	09 41 30.4	+3.0
NEY	comp=Z, 4.5nm, 1.1s						
NCK	Nalchik	48.23	8	iP	P	09 41 30.4	+0.5
NCK	comp=Z, 10.0nm, 0.8s				pmx		
KBZ	Khabaz	48.37	7	LR	LR	10 02 24.3	
KBZ	comp=Z, 110nm, 19.5s, baz=185, slow=37						
KIV	Kislovodsk	48.57	7	eP	pmx	09 41 31.3	-1.3
KIV	comp=Z, 9.0nm, 1.0s				MLR		
DIVS	Divibare	50.35	345	eP	P	09 41 47.3	+1.1
DIVS	comp=Z, 6nm, 1.0s						
MLR	Muntele Rosu	50.47	351	P	P	09 41 50.5	+3.3
MLR	comp=Z, 2.3nm, 0.6s, baz=215, slow=8.3, SNR=2.6						
BUR04	Bucovina Ar. S	52.66	351	eP	P	09 42 04.6	+1.1
BUR08	Bucovina Ar. S	52.66	351	eP	P	09 42 05.2	+1.5
PSZ	Piszkesteto	53.96	347	eP	P	09 42 13.6	+0.6
PSZ	comp=Z, 13nm, 1.1s						
PSZ	Piszkesteto	53.96	347	eP	P	09 42 13.6	+0.6
PSZ	comp=Z, 13nm, 1.1s				pmx		
AK11	Malin Array Si	55.19	355	eP	P	09 42 21.1	-0.6
KIEV	Kiev	55.20	355	eP	P	09 42 22.1	+0.3
KIEV	comp=Z, 12nm, 1.0s						
KIEV	Kiev	55.20	355	iP	P	09 42 21.6	-0.2
KIEV	comp=Z, 14nm, 1.0s				pmx		
AKASG	Malin Array Be	55.20	355	P	P	09 42 21.9	+0.1
AKASG	comp=Z, 9.8nm, 1.0s, baz=179, slow=6.7, SNR=14						
AKASG	Malin Array Be	55.20	355	eP	pmx	09 42 25.1	+3.3
AKASG	comp=Z, 8.0nm, 0.9s						
AKBB	Malin Array Si	55.20	355	eP	P	09 42 22.2	+0.4
AKBB	comp=Z, 13nm, 1.0s						
AKBB	Malin Array Si	55.20	355	eP	pmx	09 42 22.2	+0.4
AKBB	comp=Z, 13nm, 1.0s				pmx		

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
DAVOX	Davos/Dischmat	55.90	339	P	P	09 42 27.4	+0.3
DAVOX	comp=Z, 2.1nm, 0.5s, baz=150, slow=21, SNR=3.3						
VRAC	Vranov	56.06	345	P	P	09 42 27.8	-0.3
VRAC	comp=Z, 3.3nm, 0.5s, baz=209, slow=7.2, SNR=6.2						
MORC	Moravsky Berou	56.25	346	eP	P	09 42 29.9	+0.4
MORC	comp=Z, 4.5nm, 0.9s						
MORC	Moravsky Berou	56.25	346	eP	P	09 42 29.9	+0.4
MORC	comp=Z, 5.0nm, 0.9s				pmx		
GERES	GERESS Array B	56.44	343	P	P	09 42 31.2	+0.3
GERES	comp=Z, 6.6nm, 1.0s, baz=168, slow=6.8, SNR=14						
GERES	GERESS Array B	56.44	343	eP	P	09 42 30.1	-0.8
GERES	comp=Z, 7.0nm, 0.9s				pmx		
KHC	Kasperske Hory	56.73	343	eP	P	09 42 32.9	0.0
KHC	comp=Z, 4.9nm, 1.0s						
KHC	Kasperske Hory	56.73	343	eP	P	09 42 32.9	0.0
KHC	comp=Z, 5.0nm, 1.0s				pmx		
KK31	Karatay Array	56.79	30	eP	P	09 42 35.5	+2.2
KKAR	Karatay Array	56.79	30	eP	P	09 42 35.5	+2.2
ESDC	Sonseca Array	57.11	324	P	P	09 42 36.8	+1.0
ESDC	comp=Z, 5.6nm, 0.8s, baz=133, slow=7.0, SNR=26						
CLL	Collm	58.28	22	P	P	09 42 47.0	-0.6
CLL	comp=Z, 5.5nm, 0.9s, baz=168, slow=6.8, SNR=14						
OBN	Obninsk	59.34	11	eP	P	09 42 51.9	+0.9
OBN	comp=Z, 8.0nm, 1.4s						
OBN	Obninsk	59.34	11	eP	S	09 50 51.0	-8.4
OBN	comp=Z, 8.0nm, 1.4s				MLR		
MOS	Moscow	59.98	1	eP	P	09 42 55.5	+0.1
VSU	Vasula	63.11	355	iP	P	09 43 18.7	+2.2
VSU	comp=Z, 48nm, 1.2s				pmx		
ARU	Arti	63.46	14	iP	P	09 43 18.0	-0.9
ARU	comp=Z, 4.7nm, 0.7s, baz=292, slow=7.7, SNR=4.8				S	09 51 51.1	-0.7
BRVK	Borovyoe	64.24	22	iP	pmx	09 43 24.6	+0.5
BRVK	comp=Z, 1.1nm, 1.2s						
SYO	Syowa Base	64.53	1781	eP	P	09 43 25.0	-0.7
SYO	comp=Z, 1.0nm, 1.0s						
SYO	Syowa Base	64.53	1781	eP	P	09 43 29.6	+3.9
MAKZ	Makanchi	65.28	33	eP	P	09 43 30.0	-1.1
MAKZ	comp=Z, 4.7nm, 1.1s						
MAKZ	Makanchi	65.28	33	eP	P	09 43 30.0	-1.1
MAKZ	comp=Z, 5.0nm, 1.1s				pmx		
MK01	Makanchi Array	65.44	33	eP	P	09 43 30.3	-1.8
MK31	Makanchi Array	65.45	33	eP	P	09 43 30.8	-1.3
MK32	Makanchi Array	65.45	33	eP	P	09 43 30.8	-1.3
MKAR	Makanchi Array						

2d 11h

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like GLA, BELC, MURC, ECXN, ZAX, IRM, etc.

KRAR 02 10:18:29.0-1.53:50N-87.61E, M2.3, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014)

NMC 02 10:18:33.7-1.9:53:44N-87.58E, h0km, mb3.7, mwp3.4, 11C-3D, Error ellipse: s-maj=15.3km s-min=7.4km az=66.0, Suspected Mining explosion., Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like ZAAO, KURK, KURB, KURBB, MK31, MAKZ, etc.

ISC/JB 02 10:24:08.6-0.4, 7.67S:0.05x128.31E:0.05, h142km, mb3.9/11, Error ellipse: s-maj=8.7km s-min=4.8km az=38.4

DJA 02 10:24:11.9-0.4, 8.5:4.712E, h146km, 14km, M4.5/10, mb4.6/6, mB4.9/5, MLV4.7/10, Mw(MB)4.2/5

IDC 02 10:24:11.2-0.8, 7.46S:128.07E, h162km, 7km, mb3.7/11, mb1.3/9/14, mb1mx3.7/4.3, mbmp4.3/14, Error ellipse: s-maj=13.7km s-min=9.6km az=92.0

ISC 02 10:24:09.5-0.5, 7.59S:0.05x128.17E:0.05, h142km, n32, c2511/45, mb4.1/11, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like SAUI, BNDI, AAI, SOEI, BATI, etc.

2012 OCT

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like VVDA, ILAR, PDAR, ULM, etc.

NIED 02 10:27:00, 39:80N:143:50E, h23km, Mw3.7 Best double couple: M0.348000x10^14 NP1.0e176.00000, 833.00000, 7.55.00000. NP2.0e35.00000, 663.00000, 1.10.00000. JMA 02 10:27:25.1-0.2, 39:82N:143:51E, h24km, M3.6, Off east coast of Honshu

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

ISC/JB 02 10:43:24.6-0.7, 50:32N:0:05:18.81E:0:03, h0km, Error ellipse: s-maj=6.7km s-min=3.1km az=3.9

IPEC 02 10:43:25.2-0.2, 50:36N:18:90E, h2km, 2km, ML2.1/3, Error ellipse: s-maj=2.7km s-min=1.1km az=170.0

WAR 02 10:43:25.6, 50:36N:18:92E, h1km, Mw2.7

ISC 02 10:43:25.8-0.8, 50:25N:0:05:18.87E:0:03, h0km, m16, c055/31, Poland

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

TEH 02 10:47:36.1, 35:29N:58:44E, h10km, ML3.5

THR 02 10:47:36.9-0.6, 35:33N:58:41E, h18km, 9km, ML3.7

ISC/JB 02 10:47:37.3-0.9, 35:26N:0:04:58.46E:0:05, h10km, Error ellipse: s-maj=5.5km s-min=5.0km az=20.2

ISC 02 10:47:36.9-0.9, 35:28N:0:03:59.49E:0:04, h10km, n29, c1552/29, Northern and central Iran

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

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

MAN 02 10:49:46.8, 11:58N:124:36E, h56km, mb4.3, ML3.2, MS2.9, Leyte

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

MEX 02 10:55:37.0-0.7, 15:46N:93:71W, h75km, 9km, MD3.6, Near coast of Chiapas

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

MAN 02 10:55:47.5, 8:15N:122:90E, h12km, mb3.7, ML2.4, MS1.9, 1C-2D, Mindanao

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

IDC 02 11:05:06.7-4.6, 12:85S:75:68W, h0km, mb3.6/3, mb1.3/8.4, mb1mx3.6/3.2, mbtmp3.5/4, ML3.5/1, MS3.1/3, Ms1.3/1.3, ms1mx2.9/1.6, Error ellipse: s-maj=211.0km s-min=27.2km az=31.0, Central Peru

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

2d 11h

Table with columns: Station, Frequency, Power, Direction, etc. Includes stations like SJI, SBA, VDA, VNA, SOEI, etc.

2012 OCT

Table with columns: Station, Frequency, Power, Direction, etc. Includes stations like DAC, MLAC, TIN, M02C, RUBR, etc.

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Table with columns: Station, Frequency, Power, Direction, etc. Includes stations like WUUA, WUUAZ, PSUT, F05D, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ILGA, BUR08, KSP, etc.

PRU 02 11:37:51.0, 0.0, 49.68N x 17.77E, h0km, M4.7, Czech and Slovak Republics

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MORC, VRAC, KRUC, etc.

NIED 02 11:37:00, 39.80N, 143.40E, h17km, Mw4.6 Best double couple: M7, 71000, 1015 NP1, 175, 00000, 614, 00000, 1, 46, 00000. NP2, 140, 00000, 880, 00000, 1, 100, 00000. IDC 02 11:37:47.0, 0.6, 39.70N, 143.31E, h0km, mb4.4/2.7, mb1 4.5/31, mb1mx4.4/5.7, mbtmp4.4/31, ML3.8/3, MS4.1/16, Ms1 4.1/16, ms1mx3.7/41, Error ellipse: s-maj=15.2km s-min=13.0km az=101.0

JMA Felt J1, ISCJB 02 11:37:50.1, 0.8, 39.79N, 143.02E, h24km, 5km, M4.6/86, MS4.3/25, Error ellipse: s-maj=4.9km s-min=3.1km az=38.3 BUJ 02 11:37:50.8, 39.67N, 143.01E, h23km, mb4.8/56, mb4.9/40, Ms4.4/49, Ms7 4.3/46 MOS 02 11:37:51.7, 1.1, 39.81N, 143.30E, h36km, mb4.9/40, MS4.0/11, Error ellipse: s-maj=7.9km s-min=4.9km az=103.3 NEIC 02 11:37:53.1, 1.4, 39.74N, 143.23E, h32km, 10km, mb4.7/29, Error ellipse: s-maj=6.2km s-min=4.2km az=130.0 NEIC Recorded (1 JMA) in Istanbul and Myanmar. ISC 02 11:37:52.4, 0.7, 39.80N, 143.04E, h30km, 4km, n236, e139/254, mb4.7/86, MS4.3/26, 14C-2D, Off east coast of Honshu

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JTH, MIYJ, JANG, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CN2, PETK, etc.

Table with columns: ZAK, comp-Z, pmax, pmax, and numerical values. Includes entries like LZH Lanzhou, GYA Guiyang, CD2 Chengdu, etc.

Table with columns: ILI, Eielson Array, ILAR, Eielson Array, ILB, Eielson Array, BRDH, Bariachala, etc. Includes numerical values and flags like eP, pP, sP, etc.

Table with columns: AKBB, Malin Array Si, KIEV, Kiev, PD31, Pinedale Array, etc. Includes numerical values and flags like eP, pmax, etc.

NIED 02 11:39:00,39:70N,143:40E,h23km,Mw3.9 Best double couple: M7.48000x1014 NP1:8185.00000,827.00000,167.00000. NP2:80.300000,865.00000,101.00000. JMA 02 11:39:41.8-0.2,39:75N,143:36E,h22km,M3.8, Off east coast of Honshu

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time Res, h m s, ISC. Includes entries like JTH Tanohata, MIYJ Miyakonagasawa, etc.

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time Res, h m s, ISC. Includes entries like KRSC 02 11:40:15.1-1.3, 49:89N,157:76E, etc.

ISCJB 02 11:48:45.0,4.0,26.63N;0.1x126.31E;0.09,h120km,9km, mb3.77, Error ellipse: s-maj=21.4km s-min=3.8km az=141.8

JMA 02 11:48:46.9,0.2,26.53N;126.37E,h119km,2km,M3.8 IDC 02 11:48:49.7,9.7,26.79N;126.26E,h138km,58km,M3.4/7, mb1 3.5/8,mb1mx3.2/60,mbtmp3.9/8, Error ellipse: s-maj=102.0km s-min=25.7km az=1.0

ISC 02 11:48:46.2,1.1,26.63N;0.1x126.31E;0.10,h118km,12km, n23,+094/33,mb3.67/7,Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JKE Kume jima 2, JAGN Aguni-jima, JAGS Tamagusuku3, etc.

SKO 02 11:53:26.1,41.71N;22.37E,h15km,M0.9,ML1.3,1C, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like STIP Stip, VAY Valandovo, etc.

DDA 02 12:04:54.6,40.37N;27.21E,h6km,ML3.1 ISC 02 12:04:57.8,40.12N;27.30E,h8km,ML2.0/B Yellowknife Ar 78.91 2 P

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KRBG Karabiga-Canak, LKPK Lapseki, etc.

MAN 02 12:50:12.3,9.33N;122.48E,h16km,mb4.0,ML2.8,MS2.4, 2D,Negros

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SNPH Sibulan, GUIM Jordan, etc.

IDC 02 13:14:17.4,0.8,24.72N;109.94W,h0km,mb3.9/4, mb1 4.1/7,mb1mx3.8/41,mbtmp3.8/7,ML4.2/2,MS3.4/16, Ms1 3.4/16,ms1mx3.2/41, Error ellipse: s-maj=21.9km s-min=8.3km az=116.0

ISCJB 02 13:14:18.0,0.2,24.71N;0.02x110.14W;0.03,h15km, mb4.0/5,MS3.4/11, Error ellipse: s-maj=3.7km s-min=2.9km az=155.0

MEX 02 13:14:18.1,0.2,24.87N;110.37W,h10km,MD4.1 NEIC 02 13:14:19.0,4.0,24.87N;110.12W,h10km,mb4.0/45, MD4.1(MEX), Error ellipse: s-maj=4.5km s-min=3.7km az=60.0

ISC 02 13:14:19.0,0.6,24.66N;0.04x110.05W;0.08,h15km, n226,+019/1217,mb4.1/5,MS3.4/12,Baja California

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LPG La Paz, LPIG La Paz, etc.

Main table with columns: TXAR, TUC, 214A, 121A, MNTX, 113A, GLA, IKP, Y14A, SWSC, X16A, X18A, LENM, Y12C, BAR, BNM, MONP2, LAZ, LPM, PC3, PDMC, IRM, FRD, XPFO, PFO, BELC, ANMO, ANMO, ANMO, JCT, WUAZ, WUAZ, W13A, SC12, GMRC, MSTX, LDFC, TUQ, U15A, ABTX, GSC, GSC, EDW2, SHOC, AMTX, KNB, MVO, SHPR, LCMT, LRMC, SBC, PKCU, MPMC, FURC, SZCU, CCUT, ISA, ISA, PKM, DAC, TPNV, TPNV, MTPU, PV01, PV13, PV18, PV18, PV17, SDCO, CWC, PV11, PV19, PV19, PV12, PV14, PV10, PV15, PV15, PV22, PV21, MSU, WMOK, WMOK, PSUT, SRU, R11A, R11A, SMC0, P17A, Q2A, P18A, NLU, NVAR, O20A, ISCO, DUG, DUG, RYN, KVN, WAKR, CMIG, CTU, YERR

Main table with columns: BGU, 140A, TCAT, PNTR, VCNR, SPUT, 241A, BMN, PAHR, HWUT, X39A, PHWY, HVU, MIAR, MIAR, 242A, BEKR, W39A, ORV, V39A, W40A, HHAR, BW06, BW06, PD31, PDAR, PDAR, AHID, K22A, K22A, 143A, T38A, KSU1, UALR, U39A, V40A, V40A, W41B, REDW, TPWA, U40A, T39A, S38A, LSHW, FXWY, V41A, MOOW, WVOR, MOD, HLID, HLID, IMW, S39A, S39A, FLWY, U40A, U40A, V42A, M04C, J08A, Q38A, Q2A, T41A, YBH, YHH, S41A, MCMT, T42A, T42A, Y46A, J05D, APG, R41A, BOZ, BOZ, T43A, BMO, R42A, S43A, Q41A, ECSD, HRY, LAO, Q43A, X50B

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EGMT Eagleton, 152A Waverly Hill, W50A Signal Mountai, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes NNC 02 13:26:14.0-4.8, 37.94N-71.73E, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes MEX 02 13:26:33.8-0.5, 16.34N-98.38W, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes IDC 02 13:26:42.4-2.0, 3.64N-123.13E, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes ISCJB 02 13:39:20.1-0.8, 18.41N-109.145E, etc.

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

ISCJB 02 13:42:09.0-2.0, 23.61N-102.121E, h48km, 4km, Error ellipse: s-maj=2.9km s-min=2.0km az=141.6

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes Code Station Name, Azimuth, Phase ID, Time, Res. Includes Code Station Name, Azimuth, Phase ID, Time, Res.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes CHN2 Minshiang, CHN265, WCHH Zhanghua, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Copiap, Las Campanas, Vinchina, La Serena, etc.

ISC 02 14:36:05.1+1.2, 35.88N:69.18E, h0km, mb3.7/6, mb1 3.7/8, mb1mx3.5/3.1, mbtmp3.6/8, ML2.0/2, Error ellipse: s-maj=29.2km s-min=24.6km az=179.0

ISC/CB 02 14:36:09.6+0.5, 36.12N:0.04+68.91E, 0.05, h35km, mb3.6/5, Error ellipse: s-maj=6.3km s-min=5.6km az=24.4

ISC 02 14:36:11.5+6.7, 36.20N:68.61E, h22km, 133km, mb4.0, mpv3.7, Error ellipse: s-maj=128.8km s-min=26.8km

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Cherat, Thame Wali, Chirah Chowk, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Warramunga Arr, Silverton, Koster, etc.

ISC/CB 02 14:49:59.5+0.5, 17.1S:0.1x178.60W:0.09, h453km, mb3.5/1.1, Error ellipse: s-maj=17.1km s-min=9.0km

ISC 02 14:50:01.3+2.2, 17.13S:178.57W, h461km, 27km, mb3.2/1.1, mb1 3.4/1.2, mb1mx3.2/3.4, mbtmp4.0/1.2, Error ellipse: s-maj=22.7km s-min=13.7km az=143.0

ISC 02 14:50:00.5+0.6, 17.1S:0.1x178.5W:0.1, h453km, n16, r199/19, mb3.4/1.1, Fiji Islands region

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

ISC/CB 02 14:55:28.9+0.3, 3.61S:0.04x101.46E:0.04, h50km, mb4.5/4.1, MS3.3/2, Error ellipse: s-maj=7.3km s-min=3.9km az=38.6

NEIC 02 14:55:31.0+3.0, 8.356S:101.53E, h57km, 5km, mb4.5/9, Error ellipse: s-maj=11.5km s-min=4.4km az=49.0

ISC 02 14:55:34.2+2.7, 3.40S:101.66E, h75km, 24km, mb4.1/2.3, mb1 4.2/2.5, mb1mx4.0/4.1, mbtmp4.4/2.5, MS3.2/4, MS1 3.3/4, ms1mx2.8/3.5, Error ellipse: s-maj=24.4km s-min=10.6km az=50.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Maura Aman, Be, Pulau Pagai, etc.

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

ISC/CB 02 14:59:59.5+0.5, 17.1S:0.1x178.60W:0.09, h453km, mb3.5/1.1, Error ellipse: s-maj=17.1km s-min=9.0km

ISC 02 14:50:01.3+2.2, 17.13S:178.57W, h461km, 27km, mb3.2/1.1, mb1 3.4/1.2, mb1mx3.2/3.4, mbtmp4.0/1.2, Error ellipse: s-maj=22.7km s-min=13.7km az=143.0

ISC 02 14:50:00.5+0.6, 17.1S:0.1x178.5W:0.1, h453km, n16, r199/19, mb3.4/1.1, Fiji Islands region

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

ISC/CB 02 14:55:28.9+0.3, 3.61S:0.04x101.46E:0.04, h50km, mb4.5/4.1, MS3.3/2, Error ellipse: s-maj=7.3km s-min=3.9km az=38.6

NEIC 02 14:55:31.0+3.0, 8.356S:101.53E, h57km, 5km, mb4.5/9, Error ellipse: s-maj=11.5km s-min=4.4km az=49.0

ISC 02 14:55:34.2+2.7, 3.40S:101.66E, h75km, 24km, mb4.1/2.3, mb1 4.2/2.5, mb1mx4.0/4.1, mbtmp4.4/2.5, MS3.2/4, MS1 3.3/4, ms1mx2.8/3.5, Error ellipse: s-maj=24.4km s-min=10.6km az=50.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Maura Aman, Be, Pulau Pagai, etc.

MW5.0/89 Moment Tensor Solution. s30.c33: s89.c125; Duration: 0 Moment tensor: Scale 10^16Nm; M=0.40±.14; Mw=0.99±.14; Mw=0.58±.12; Mw=0.55±.21; Mw=3.18±.10; Mw=0.48±.21; Best double couple: M3.34100±.016; NP1=0.354,00000±.683,00000±.173,00000±. NP2: 0.263,00000±.682,00000±.173,00000±. Principal axes: T 3.6080, Plg10.0000, Azm218.0000; N -0.5330, Plg80.0000, Azm33.0000; P -3.0740, Plg1.0000, Azm128.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular

moment-rate function ISCJB 02 15:04:50.14.0.2, 70.55S, 0.03E, h10km, mb3.2/1, MS4.0/18 Error ellipse: s-maj=13.4km s-min=8.9km az=22.3

NEIC 02 15:04:51.4.0.4.0.2, 40S, 85.61W, h10km, mb4.4/7, Error ellipse: s-maj=11.7km s-min=8.0km az=209.0

IDC 02 15:04:51.3.0.3.0.4, 21S, 85.60W, h0km, mb3.9/6, mb1 4.2/7, mb1mx4.0/28, mbtmp3.9/7, ML3.3/1, MS3.9/20, Ms1 3.9/20, ms1mx3.9/25, Error ellipse: s-maj=85.9km s-min=29.6km az=9.0

ISC 02 15:04:51.6.0.8.4, 10.33S, 0.18E, h5.6W, 0.11, h10km, n43, s168/24, mb4.1/10, MS3.9/1, MS3.8/1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their coordinates.

IDC 02 15:11:17.8.1.1, 27.42N, 140.12E, h428km, 12km, mb3.2/11, mb1 3.4/15, mb1mx3.2/48, mbtmp4.0/15, Error ellipse: s-maj=19.9km s-min=12.6km az=73.0

JMA 02 15:11:19.0.0.1, 27.75N, 140.64E, h423km, M3.7, ISC 02 15:11:16.6.0.6, 27.55N, 0.07E, 140.1E, 0.1, h400km, n29, s2506/35, mb3.6/12, Bonin Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations in the Bonin Islands region.

Table with columns: ILAR, ArcES Array, YKA, KBZ, FINES, MINA, NOA, PLCA, LPAZ. Lists seismic stations in the North Island region.

WEL 02 15:22:36.2.38S, 9.180W, h33km, ML4.3/18, East of North Island

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists numerous seismic stations in the North Island region.

IDC 02 15:35:19.9.1.8, 18.47S, 176.46W, h270km, mb3.2/5, mb1 3.4/6, mb1mx3.1/32, mbtmp3.9/6, Error ellipse: s-maj=32.6km s-min=14.9km az=123.0

ISCJB 02 15:35:20.3.0.9, 18.4S, 0.2E, 176.2W, 0.2, h300km, mb3.2/4, Error ellipse: s-maj=34.7km s-min=9.8km az=137.9

ISC 02 15:35:21.1.1.1, 18.4S, 0.2E, 176.2W, 0.2, h300km, n8, s225/10, mb3.4/4, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations in the Fiji Islands region.

Table with columns: ASAR, FITZ, ILAR, BRTR, GERES. Lists seismic stations in the South Island region.

ISCJB 02 15:42:19.0.0.7, 20.55S, 0.03E, 69.0W, 0.2, h133km, 9km, mb3.2/1, Error ellipse: s-maj=24.0km s-min=5.2km az=178.6

GUC 02 15:42:19.1.0.5, 20.54S, 68.95W, h121km, 4km, ML3.8, IDC 02 15:42:20.4.2.9, 20.62S, 68.36W, h121km, 29km, mb3.2/2, mb1 3.3/4, mb1mx3.2/22, mbtmp3.7/4, Error ellipse: s-maj=55.5km s-min=28.6km az=110.0

ISC 02 15:42:19.0.1.0, 20.53S, 0.04E, 68.8W, 0.1, h119km, 11km, n18, s098/27, 9C, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations in the South Island region.

IDC 02 15:42:37.2.5.3, 35.16N, 69.83E, h0km, mb3.7/3, mb1 3.8/4, mb1mx3.4/42, mbtmp3.7/4, ML3.7/1, MS3.8/1, Ms1 3.8/1, ms1mx2.5/45, Error ellipse: s-maj=97.4km s-min=40.8km az=178.0

NNC 02 15:43:10.3.7.0, 36.92N, 69.97E, h165km, 147km, mb3.0, mp3.9, Error ellipse: s-maj=67.6km s-min=53.6km az=27.0

ISC 02 15:42:59.2.2.1, 36.2N, 0.17E, 0.1, h124km, n18, s326/21, 4C-6D, Hindu Kush region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations in the Hindu Kush region.

IDC 02 15:46:04.5.0.8, 10.78S, 113.80E, h0km, mb4.2/10, mb1 4.4/13, mb1mx4.1/38, mbtmp4.3/13, ML4.2/3, MS3.1/4, Ms1 3.1/4, ms1mx2.7/32, Error ellipse: s-maj=29.0km s-min=14.2km az=58.0

NEIC 02 15:46:05.8.0.3, 10.79S, 113.77E, h10km, mb4.6/12, Error ellipse: s-maj=8.8km s-min=4.8km az=42.0

ISCJB 02 15:46:07.2.0.3, 10.82S, 0.03E, 113.79E, 0.04, h33km, mb4.4/21, MS3.1/3, Error ellipse: s-maj=5.8km s-min=4.4km az=149.3

DJA 02 15:46:09.4.0.5, 11.5S, 4.11E, h23km, M4.5/16, ML4.5/16

ISC 02 15:46:09.4.0.5, 10.30S, 0.06E, 113.85E, 0.06, h35km, n63, s150/63, mb4.4/21, MS3.0/3, South of Jawa

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations in the South of Jawa region.

2d 17h

Table with columns: Code, Station Name, Az, El, AzE, Phase ID, Time, Res. Includes stations like SOEI, BATI, BAUMATA, etc.

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Table with columns: Code, Station Name, Az, El, AzE, Phase ID, Time, Res. Includes stations like WMOQ, PEAOB, NIBL, etc.

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Table with columns: Code, Station Name, Az, El, AzE, Phase ID, Time, Res. Includes stations like GRJI, SBUU, BLJI, etc.

Table with columns: ID, Name, Value, Count, Status, and other details. Includes entries like Pinardele Array, Maddock, BFSC Mount Baldy Ra, etc.

Table with columns: ID, Name, Value, Count, Status, and other details. Includes entries like S22A 4UR Ranch, Cre, G40A Rib Lake, F43A Big Bay de Noc, etc.

Table with columns: ID, Name, Value, Count, Status, and other details. Includes entries like S39A Bolivar, O51A Patafata, R41A Rosebud, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Beattyville, Brasilia, BDFB, Sharon Grove, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Strider, Saluda, Saluda, Norrel Spur, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Quitman, Delano Plantar, Lake Charles, etc.

MAN 02:17:45:50.5, 7.43N:126.86E, h50km, mb4.4, ML3.3, MS3.1, 2C-10, Mindanao. Includes a table with columns: Mode, Station Name, Frequency, Power, Modulation, Phase ID, Time, Res, and other details.

2d 18h

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like NB200, NOA, SOKA, NA001, etc.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like SSB, SSB, SSB, THTN, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like TEZP, ZIRO, TAWA, etc.

WEL 02 18:59:04.7-0.5, 34°S 7°18'0W, h33km, M.L4.7/22, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like MXZ, GLKZ, WMGZ, etc.

ISC/JB 02 19:04:44.1-1.5, 36°86N, 0°04'141.51E, h4km, m3km, mb3.3/2, Error ellipse: s-maj=6.7km az=5.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like ONAJ, JFK, JFFD, etc.

BUJ 02 19:15:59.5, 37°18N, 71°85E, h123km, mb4.6/43, mB4.8/31

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like SFK, KBL, KURK, etc.

Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like SFK, KBL, KURK, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like NIL, KSH, TSH, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like ABKAR, GUN, CHBR, etc.

Table with columns: Station Name, Time, Res, ISC, Op, Phase ID, H, m, s, ISC. Includes stations like TNTI Ternate, TULEG Thule, TOAD Torodi Arr. Sit, etc.

Table with columns: Station Name, Time, Res, ISC, Op, Phase ID, H, m, s, ISC. Includes stations like MJAR, MJAR, MAT Matushiro, etc.

MAN 02 19:29:17.7, 7.99N:126.45E, h17km, mb3.9, ML2.7, MS2.3, 2D, Mindanao

Table with columns: Code, Station Name, Time, Res, ISC, Op, Phase ID, H, m, s, ISC. Includes stations like MATI Mati, BUTP Butuan, etc.

IDC 02 19:31:59.0; 1.4, 1.31N:126.99E, h0km, mb3.6/4, mb1 3.7/5, mb1mx3.5/38, mbtmp3.6/5, ML3.2/1, Error ellipse: s-maj=102.7km s-min=19.2km az=72.0

ISCJB 02 19:32:06.2; 0.9, 1.35N:126.9E; 0.1, h103km, mb3.6/4, Error ellipse: s-maj=16.0km s-min=7.6km az=152.9

DJA 02 19:32:07.6; 0.4, 1.1N:3.12E, h45km, M3.9/9, mb2.2/1, ML3.8/9

ISC 02 19:32:08.3; 0.9, 1.31N:126.99E; 0.09, h103km, n12, c#304/14, mb3.5/4, Halmahera

Table with columns: Code, Station Name, Time, Res, ISC, Op, Phase ID, H, m, s, ISC. Includes stations like TMTI Ternate, TMTI, TMTI Labuha, etc.

ISCJB 02 19:41:26.5; 0.2, 64.95S:0.0; 4.177E; 0.1, h10km, mb5.2/57, MS5.0/142, Error ellipse: s-maj=8.9km s-min=4.9km az=158.5

IDC 02 19:41:26.0; 0.6, 64.78S:177.84E, h0km, mb4.6/11, mb1 4.7/11, mb1mx4.6/24, mbtmp4.7/11, ML5.5/1, MS4.9/23, Mb1 4.9/23, ms1mx4.8/25, Error ellipse: s-maj=26.4km s-min=15.7km az=52.0

NEIC 02 19:41:29.4; 3.1, 64.97S:177.83E, h18km, mb5.6/52, MS5.1/113, MW5.5, Error ellipse: s-maj=9.3km s-min=5.5km az=68.0, Moment Tensor Solution. s9 Moment tensor: Scale 10^17Nm; Mr:0.06; Mw:2.17; Ms:2.23; Mv:0.07; Mh:0.87; Ml:0.26; Best double couple: M:2.40000e+17 Np1:0.560000e+17, 0.860000e+17, -1.750000e+17, NP2:0.3260000e+17, 0.850000e+17, -1.400000e+17. Principal axes: T: 3.2400, P1g1:0.0000, Azm1:91.0000; N: 0.0900, P1g4:0.0000, Azm9:0.0000; P: -2.00, P1g3:0.0000, Azm2:1.0000;

BJJ 02 19:41:29.3; 64.74S:178.38E, h17km, mb5.6/7, Ms5.2/6, Ms7.4/9.4

GCMT 02 19:41:30.4; 0.1, 64.85S:0.0; 1.777E; 0.02, h19km, MW5.6/127, Moment Tensor Solution. s97,c157; s127,c294; Duration: 1.55 Moment tensor: Scale 10^17 Nm; Mr:0.36e+03; Mw:2.69e+04; Ms:2.33e+03; Mv:1.17e+09; Mh:0.86e+03; Ml:0.36e+07; Best double couple: M:2.86600e+17 Np1:0.3260000e+17, 0.810000e+17, 1.700000e+17, NP2:0.2330000e+17, 0.870000e+17, 1.700000e+17. Principal axes: T: 3.2440, P1g1:0.0000, Azm1:90.0000; N: -0.7570, P1g7:0.0000, Azm354:0.0000; P: -2.4890, P1g5:0.0000, Azm58:0.0000. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/marine waves, cutoff=50s. Triangular moment-rate function

ISC 02 19:41:28.3; 0.3, 64.92S:0.06; 178.23E; 0.08, h10km, n344, c#197/203, mb5.3/57, MS5.0/142, 4C-12D, Balleny Islands region

Table with columns: Code, Station Name, Time, Res, ISC, Op, Phase ID, H, m, s, ISC. Includes stations like SBA Scott Base, VNSA Vanda, etc.

Table with columns: Station Name, Time, Res, ISC, Op, Phase ID, H, m, s, ISC. Includes stations like THZ Topouse, SNZO South Karori, etc.

MAN 02 19:29:17.7, 7.99N:126.45E, h17km, mb3.9, ML2.7, MS2.3, 2D, Mindanao

Table with columns: Code, Station Name, Time, Res, ISC, Op, Phase ID, H, m, s, ISC. Includes stations like MATI Mati, BUTP Butuan, etc.

IDC 02 19:31:59.0; 1.4, 1.31N:126.99E, h0km, mb3.6/4, mb1 3.7/5, mb1mx3.5/38, mbtmp3.6/5, ML3.2/1, Error ellipse: s-maj=102.7km s-min=19.2km az=72.0

ISCJB 02 19:32:06.2; 0.9, 1.35N:126.9E; 0.1, h103km, mb3.6/4, Error ellipse: s-maj=16.0km s-min=7.6km az=152.9

DJA 02 19:32:07.6; 0.4, 1.1N:3.12E, h45km, M3.9/9, mb2.2/1, ML3.8/9

ISC 02 19:32:08.3; 0.9, 1.31N:126.99E; 0.09, h103km, n12, c#304/14, mb3.5/4, Halmahera

Table with columns: Code, Station Name, Time, Res, ISC, Op, Phase ID, H, m, s, ISC. Includes stations like TMTI Ternate, TMTI, TMTI Labuha, etc.

ISCJB 02 19:41:26.5; 0.2, 64.95S:0.0; 4.177E; 0.1, h10km, mb5.2/57, MS5.0/142, Error ellipse: s-maj=8.9km s-min=4.9km az=158.5

IDC 02 19:41:26.0; 0.6, 64.78S:177.84E, h0km, mb4.6/11, mb1 4.7/11, mb1mx4.6/24, mbtmp4.7/11, ML5.5/1, MS4.9/23, Mb1 4.9/23, ms1mx4.8/25, Error ellipse: s-maj=26.4km s-min=15.7km az=52.0

NEIC 02 19:41:29.4; 3.1, 64.97S:177.83E, h18km, mb5.6/52, MS5.1/113, MW5.5, Error ellipse: s-maj=9.3km s-min=5.5km az=68.0, Moment Tensor Solution. s9 Moment tensor: Scale 10^17Nm; Mr:0.06; Mw:2.17; Ms:2.23; Mv:0.07; Mh:0.87; Ml:0.26; Best double couple: M:2.40000e+17 Np1:0.560000e+17, 0.860000e+17, -1.750000e+17, NP2:0.3260000e+17, 0.850000e+17, -1.400000e+17. Principal axes: T: 3.2400, P1g1:0.0000, Azm1:91.0000; N: 0.0900, P1g4:0.0000, Azm9:0.0000; P: -2.00, P1g3:0.0000, Azm2:1.0000;

BJJ 02 19:41:29.3; 64.74S:178.38E, h17km, mb5.6/7, Ms5.2/6, Ms7.4/9.4

GCMT 02 19:41:30.4; 0.1, 64.85S:0.0; 1.777E; 0.02, h19km, MW5.6/127, Moment Tensor Solution. s97,c157; s127,c294; Duration: 1.55 Moment tensor: Scale 10^17 Nm; Mr:0.36e+03; Mw:2.69e+04; Ms:2.33e+03; Mv:1.17e+09; Mh:0.86e+03; Ml:0.36e+07; Best double couple: M:2.86600e+17 Np1:0.3260000e+17, 0.810000e+17, 1.700000e+17, NP2:0.2330000e+17, 0.870000e+17, 1.700000e+17. Principal axes: T: 3.2440, P1g1:0.0000, Azm1:90.0000; N: -0.7570, P1g7:0.0000, Azm354:0.0000; P: -2.4890, P1g5:0.0000, Azm58:0.0000. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/marine waves, cutoff=50s. Triangular moment-rate function

ISC 02 19:41:28.3; 0.3, 64.92S:0.06; 178.23E; 0.08, h10km, n344, c#197/203, mb5.3/57, MS5.0/142, 4C-12D, Balleny Islands region

Table with columns: Code, Station Name, Time, Res, ISC, Op, Phase ID, H, m, s, ISC. Includes stations like SBA Scott Base, VNSA Vanda, etc.

NIED 02 19:17:00, 36.90N:141.40E, h5km, Mw4.0 Best double couple: Mo:1.03000e+10 Np1:0.40000e+10, 0.380000e+10, -1.000000e+10, NP2:0.1960000e+10, 0.530000e+10, -1.820000e+10

ISCJB 02 19:17:11.9; 0.6, 36.87N:141.41E; 0.05, h10km, mb3.9/9, Error ellipse: s-maj=6.3km s-min=5.5km az=157.1

JMA 02 19:17:12.5; 0.1, 36.88N:141.39E, h29km, M3.9, IDC 02 19:17:12.2; 0.8, 36.79N:141.56E, h0km, mb3.9/9, mb1 4.1/12, mb1mx3.8/70, mbtmp3.9/12, ML2.7/3, MS3.1/2, Ms1 3.1/2, ms1mx2.6/49, Error ellipse: s-maj=20.5km s-min=18.8km az=105.0

ISC 02 19:17:13.7; 0.8, 36.87N:141.32E; 0.06, h10km, n27, c#144/23, mb4.0/9, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Time, Res, ISC, Op, Phase ID, H, m, s, ISC. Includes stations like ONAJ Iwakimizuishi, JFK Kawauchi, etc.

NIED 02 19:17:00, 36.90N:141.40E, h5km, Mw4.0 Best double couple: Mo:1.03000e+10 Np1:0.40000e+10, 0.380000e+10, -1.000000e+10, NP2:0.1960000e+10, 0.530000e+10, -1.820000e+10

ISCJB 02 19:17:11.9; 0.6, 36.87N:141.41E; 0.05, h10km, mb3.9/9, Error ellipse: s-maj=6.3km s-min=5.5km az=157.1

JMA 02 19:17:12.5; 0.1, 36.88N:141.39E, h29km, M3.9, IDC 02 19:17:12.2; 0.8, 36.79N:141.56E, h0km, mb3.9/9, mb1 4.1/12, mb1mx3.8/70, mbtmp3.9/12, ML2.7/3, MS3.1/2, Ms1 3.1/2, ms1mx2.6/49, Error ellipse: s-maj=20.5km s-min=18.8km az=105.0

ISC 02 19:17:13.7; 0.8, 36.87N:141.32E; 0.06, h10km, n27, c#144/23, mb4.0/9, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Time, Res, ISC, Op, Phase ID, H, m, s, ISC. Includes stations like ONAJ Iwakimizuishi, JFK Kawauchi, etc.

NIED 02 19:17:00, 36.90N:141.40E, h5km, Mw4.0 Best double couple: Mo:1.03000e+10 Np1:0.40000e+10, 0.380000e+10, -1.000000e+10, NP2:0.1960000e+10, 0.530000e+10, -1.820000e+10

ISCJB 02 19:17:11.9; 0.6, 36.87N:141.41E; 0.05, h10km, mb3.9/9, Error ellipse: s-maj=6.3km s-min=5.5km az=157.1

JMA 02 19:17:12.5; 0.1, 36.88N:141.39E, h29km, M3.9, IDC 02 19:17:12.2; 0.8, 36.79N:141.56E, h0km, mb3.9/9, mb1 4.1/12, mb1mx3.8/70, mbtmp3.9/12, ML2.7/3, MS3.1/2, Ms1 3.1/2, ms1mx2.6/49, Error ellipse: s-maj=20.5km s-min=18.8km az=105.0

ISC 02 19:17:13.7; 0.8, 36.87N:141.32E; 0.06, h10km, n27, c#144/23, mb4.0/9, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Time, Res, ISC, Op, Phase ID, H, m, s, ISC. Includes stations like ONAJ Iwakimizuishi, JFK Kawauchi, etc.

2d 19h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like TRQA, TROA, JAY, MMRI, PEL, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KVTX, MTJD, MNTX, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like NIL, SCIA, ECSD, etc.

PBDV	Barranco-do-Ve	152.04 169	ePKPab	PKPab	20 01 31.1 -1.2
MORF	Marlete	152.04 168	ePKPab	PKPbc	20 01 23.4 +0.6
PVAQ	Vaqueiros	152.22 170	ePKPpdf	PKPbc	20 01 24.4 +1.1
PVAQ	Vaqueiros	152.22 170	eLR	LR	20 01 24.4 +1.1
comp=Z,316nm,20.0s					
PTEO	Sao Teotonio	152.28 168	ePKPpdf	PKPbc	20 01 24.5 +1.3
PTEO	Sao Teotonio	152.28 168	ePKPab	PKPab	20 01 31.2 -2.0
PCVE	Castro Verde	152.42 169	ePKPpdf	PKPbc	20 01 24.9 +1.3
PCVE	Castro Verde	152.42 169	ePKPab	PKPab	20 01 31.0 -2.8
CART	Cartagena	152.62 181	ePKPpdf	PKPpdf	20 01 15.4 -1.6
CART	Cartagena	152.62 181	ePKPbc	PKPbc	20 01 23.6 -0.4
KREJ	Beja	152.82 169	ePKPab	PKPbc	20 01 26.5 +2.0
PBUS	Kruszevo	152.98 220	iP	PKPbc	20 01 30.5 +5.7
STIP	Stip	153.02 222	iP	PKPbc	20 01 30.1 +5.3
PBAR	Barrancos	153.03 171	ePKPpdf	PKPpdf	20 01 21.3 +3.7
EVO	Evora	153.31 169	ePKPpdf	PKPpdf	20 01 20.5 +2.5
EVO	Evora	153.31 169	ePKPbc	PKPbc	20 01 28.2 +2.7
TIR	Tirane	153.33 217	iP	PKPab	20 01 32.7 -4.9
MATE	Matera	153.45 213	iP	PKPab	20 01 32.0 -6.0
VTS	Vitoshu	153.54 224	ePKPpdf	PKPpdf	20 01 17.9 -0.5
VTS	Vitoshu	153.54 224	ePKPbc	PKPbc	20 01 25.7 -0.4
TLB	Topolu	153.78 234	iP	PKPbc	20 01 26.0 -0.1
TLB	Topolu	153.78 234	iP	PKPbc	20 01 32.1 +5.8
PMRV	Marv???	154.25 170	ePKPpdf	PKPbc	20 01 27.9 +0.3
PMRV	Marv???	154.25 170	ePKPab	PKPab	20 01 40.9 -0.6
PMRV	Marv???	154.25 170	eLR	LR	20 01 54.8
comp=Z,310nm,18.0s					
PTOM	Tomas	154.36 168	ePKPpdf	PKPbc	20 01 28.7 +1.0
PTOM	Tomas	154.36 168	ePKPab	PKPab	20 01 41.3 -0.6
PAB	San Pablo	154.54 175	ePKPpdf	PKPpdf	20 01 21.0 +1.2
PAB	San Pablo	154.54 175	ePKPbc	PKPbc	20 01 29.9 +1.6
PAB	San Pablo	154.54 175	eLR	LR	20 01 29.9 +1.6
comp=Z,742nm,20.0s					
PCBR	Castelo Branco	154.66 170	ePKPpdf	PKPbc	20 01 24.2 -4.2
PCBR	Castelo Branco	154.66 170	ePKPab	PKPbc	20 01 35.5 +7.2
ESDC	Sonsecia Array	154.68 176	PKP	PKPpdf	20 01 18.2 -1.7
comp=Z,0.1nm,0.3s,baz=189,slow=1.5,SNR=8					
ESDC	Sonsecia Array	154.68 176	PKPbc	PKPpdf	20 01 29.1 +0.6
ESLA	Sonsecia Array	154.68 176	ePKPpdf	PKPpdf	20 01 21.7 +1.7
MTE	Manteigas	155.21 169	ePKPpdf	PKPpdf	20 01 25.2 +4.5
MTE	Manteigas	155.21 169	eLR	LR	20 01 25.2 +4.5
comp=Z,372nm,20.0s					
MVO	Moncorvo	156.01 170	eLR	LR	20 01 56.01.9
comp=Z,454nm,20.0s					
PBRG	Braganca	156.66 171	ePKPpdf	PKPpdf	20 01 30.4 +7.9
BZS	Buzias	156.77 225	iP	PKPab	20 01 58.2 +6.1
DRGR	Dracena	157.48 228	iP	PKPab	20 01 57.9 +5.9
AKASG	Malin Array B	158.51 243	PKPab	PKPab	20 01 59.4 -0.1
KIEV	Kiev	158.51 243	PFAKE	LR	20 01 40.0 +1.6
KIEV	Kiev	158.51 243	LR	LR	20 01 40.0 +1.6
comp=Z,354nm,21.0s					
OBN	Obninsk	158.82 261	PFAKE	LR	20 01 40.0 +1.5
OBN	Obninsk	158.82 261	LR	LR	20 01 40.0 +1.5
comp=Z,204nm,21.0s					
OBKA	Obir	159.50 214	ePKPab	PKPab	20 02 04.9 +0.9
comp=Z,5.9nm,1.1s					
SOKA	Soboth	159.55 215	ePKPab	PKPab	20 02 04.9 +0.7
comp=Z,9.1nm,1.0s					
ARSA	Arzberg	159.96 216	ePKPab	PKPab	20 02 06.9 +0.9
comp=Z,7.7nm,0.9s					
ABTA	Abtalfattersbach	160.19 210	ePKPab	PKPab	20 02 06.6 -0.4
comp=Z,8.8nm,1.3s					
SFJD	Kangerlussuaq	160.40 62	PFAKE	LR	20 01 40.0 +1.4
SFJD	Kangerlussuaq	160.40 62	LR	LR	20 01 40.0 +1.4
comp=Z,549nm,19.0s					
CONA	Conrad Observa	160.50 218	ePKPab	PKPab	20 02 07.7 -0.7
comp=Z,15nm,1.3s					
FETA	Feichten	160.81 207	ePKPab	PKPab	20 02 08.7 -1.1
comp=Z,5.8nm,1.1s					
MOA	Molin	160.83 215	ePKPab	PKPab	20 02 09.0 -0.8
comp=Z,7.8nm,0.9s					
JAVC	Velka Javorina	160.86 222	ePKP	PKPab	20 02 09.9 0.0
JAVC	Velka Javorina	160.86 222	ePKPbc	PKPbc	20 02 16.1
WTTA	Wattenberg	160.86 209	ePKPab	PKPab	20 02 08.6 -1.4
comp=Z,5.0nm,0.9s					
MOTA	Moosalm	161.05 208	ePKPab	PKPab	20 02 09.5 -1.3
comp=Z,5.5nm,0.9s					
RETA	Reutte	161.25 207	ePKPab	PKPab	20 02 10.0 -1.6
comp=Z,7.5nm,1.2s					
KRUC	Moravsky	161.40 220	ePKP	PKPab	20 02 10.7 -1.4
KRUC	Moravsky	161.40 220	ePKPbc	PKPbc	20 02 17.3
VRAC	Vranov	161.56 221	ePKP	PKPab	20 02 17.9 +5.0
OKC	Ostrava-Krasne	161.59 224	AMS	AMS	21 21 10.0
comp=Z,400nm,19.9s					
TREC	Trest	161.85 219	AMS	AMS	21 19 00.0
comp=Z,700nm,17.4s					
GERES	GERES Array B	161.89 215	PKP	PKPpdf	20 01 25.3 -3.1
GERES	GERES Array B	161.89 215	PKPbc	PKPbc	20 02 15.4 +1.0
comp=Z,0.2nm,0.5s,baz=171,slow=2.6,SNR=6.9					
KHC	Kasperke Hory	162.19 215	ePKPab	PKPab	20 02 20.3 +4.6
KHC	Kasperke Hory	162.19 215	eSS	SS	20 26 25.3 +5.4
KHC	Kasperke Hory	162.19 215	AMS	AMS	21 22 10.0
comp=Z,500nm,15.3s					
BFO	Black Forest	162.50 203	PFAKE	LR	20 01 40.0 +1.1
BFO	Black Forest	162.50 203	LR	LR	20 01 40.0 +1.1
comp=Z,30nm,19.0s					
DPC	Dobruska-Polom	162.58 222	ePKPab	PKPab	20 02 18.4 +1.0
DPC	Dobruska-Polom	162.58 222	ePKPbc	PKPbc	20 02 22.9 +1.0
DPC	Dobruska-Polom	162.58 222	AMS	AMS	21 26 20.0
comp=Z,400nm,19.9s					
GOPG	GOP Pecny, Ondr	162.60 218	AMS	AMS	21 27 40.0
comp=Z,600nm,20.9s					
PRU	Pruhonice	162.74 218	eSS	SS	20 26 31.6 +6.1
PRU	Pruhonice	162.74 218	AMS	AMS	21 24 50.0
comp=Z,400nm,20.9s					
PVCC	Panska Ves	163.22 218	AMS	AMS	21 25 10.0
comp=Z,500nm,20.5s					
NKC	Novy Kostel	163.48 214	AMS	AMS	21 16 30.0
comp=Z,600nm,21.8s					
CLL	Collm	164.34 216	ePKPpdf	PKPpdf	20 01 32.0 +1.5
CLL	Collm	164.34 216	ePKPab	PKPab	20 01 32.0 +1.5
CLL	Collm	164.34 216	iP/PPKpab	sPKPab	20 02 30.6 +1.1
comp=Z,13nm,1.2s					
CLL	Collm	164.34 216	ePPS	PPS	20 19 48.0
CLL	Collm	164.34 216	eSS	SS	20 26 42.0 0.0
CLL	Collm	164.34 216	e(PSS)	(PSS)	20 27 53.0
CLL	Collm	164.34 216	eSSS	SSS	20 30 05.0
CLL	Collm	164.34 216	eSSSS	SSSS	20 37 24.0
CLL	Collm	164.34 216	e	e	20 40 36.0
CLL	Collm	164.34 216	e	e	21 28 00.0
comp=Z,400nm,19.6s					
KBS	Kingsbay	165.38 350	PFAKE	LR	20 01 40.0 +9.3
KBS	Kingsbay	165.38 350	LR	LR	20 01 40.0 +9.3
comp=Z,471nm,21.0s					
KEV	Kevo	167.99 306	PFAKE	LR	20 01 40.0 +7.2
KEV	Kevo	167.99 306	LR	LR	20 01 40.0 +7.2
comp=Z,786nm,21.0s					
ESK	Eskdalemuir	170.34 175	PFAKE	LR	20 01 50.0 +1.5
ESK	Eskdalemuir	170.34 175	LR	LR	20 01 50.0 +1.5
comp=Z,997nm,20.0s					

319A	Douglas	6.72 7	ePn	Pn	19 44 44.7 -1.5
ZAIG	Zacatecas	7.22 104	ePn	Pn	19 44 54.0 +0.8
TX31	Lajitas Ar. Si	7.43 50	ePn	Pn	19 44 54.2 -1.6
TX31	Lajitas Ar. Si	7.43 50	eSn	Sn	19 44 54.2 -1.6
TXAR	Lajitas Array	7.43 50	eSn	Sn	19 44 54.7 -1.1
1.0nm,0.3s,baz=223,slow=13,SNR=2					
TXAR	Lajitas Array	7.43 50	Sn	Sn	19 46 17.3 -2.9
2.4nm,0.3s,baz=222,slow=22,SNR=17					
214A	Organ Pipe Nat	7.62 343	P	Pn	19 44 58.4 0.0
baz=162					
TUC	Tucson	7.62 356	ePn	Pn	19 44 57.7 -0.8
TUC	Tucson	7.62 356	P	Pn	19 44 57.9 -0.6
baz=177					
EPT	El Paso	7.77 24	ePn	Pn	19 45 01.8 +1.2
121A	Cookes Peak, D	8.10 14	P	Pn	19 45 07.0 +1.9
1.0nm,0.3s,baz=222,slow=22,SNR=14					
MNXT	Cornudas Mount	8.17 30	ePn	Pn	19 45 07.4 +1.4
113A	Mohawk Valley	8.66 339	ePn	Pn	19 45 13.1 +0.5
GLD2	Guadalupe Moun	9.07 33	ePn	Pn	19 45 20.3 +1.9
GLA	Glamis	9.29 335	ePn	Pn	19 45 22.5 +1.2
GLA	Glamis	9.29 335	P	Pn	19 45 22.9 +1.6
baz=153					
IKP	In-Ko-Pah, Jac	9.50 328	P	Pn	19 45 26.1 +1.8
baz=146					
Y14A	Yucca Flats	9.55 346	ePn	Pn	19 45 28.1 +3.1
SW54	Sam W. Stewart	9.60 330	ePn	Pn	19 45 26.9 +1.3
baz=148					
LNIG	Linares	9.73 86	ePn	Pn	19 45 30.4 +3.0
X16A	Lo Mia Camp, P	9.77 354	ePn	Pn	19 45 29.1 +1.0
Y22D	Y22D PASSCAL I	9.77 354	ePn	Pn	19 45 29.1 +1.0
BAR	Barrett	9.80 326	ePn	Pn	19 45 29.3 +0.9
Y12C	Blythe	9.81 338	ePn	Pn	19 45 30.0 +1.6
Y12C	Blythe	9.81 338	P	Pn	19 45 30.3 +1.9
baz=157					
X18A	Streak	9.82 1	ePn	Pn	19 45 29.7 +1.0
MON2	Monument Peak	9.85 328	P	Pn	19 45 30.5 +1.4
baz=145,SNR=8.4					
LENM	Lemitar	9.86 16	ePn	Pn	19 45 30.2 +0.9
BNM	Barren Site	9.93 17	ePn	Pn	19 45 32.1 +1.8
CPX	Cap Rock	9.94 32	ePn	Pn	19 45 22.2 8.8
LAZ	Ladron	10.02 15	ePn	Pn	19 45 32.1 +0.3
BC3	Big Chuckawall	10.07 334	P	Pn	19 45 33.7 +1.6
baz=152,SNR=15					
LPM	Los Pinos Moun	10.08 17	ePn	Pn	19 45 34.6 +2.3
PDMC1	Parker Dam,Lak	10.20 341	P	Pn	19 45 35.9 +2.2
baz=160					
833A	Chaparral WMA,	10.31 67	ePn	Pn	19 45 36.6 +1.3
IRM	Iron Mountain	10.39 337	P	Pn	19 45 36.4 +1.9
baz=155					
W18A	Petrified Fore	10.41 2	ePn	Pn	19 45 39.4 +2.5
W18A	Petrified Fore	10.41 2	P	Pn	19 45 39.2 +2.3
baz=183					
FRD	Ford Ranch, An	10.43 329	P	Pn	19 45 38.7 +1.7
baz=146					
XPFO	Picosa Flat	10.46 330	ePn	Pn	19 45 39.5 +2.1
PFO	Pinyon Flats 0	10.46 330	ePn	Pn	19 45 39.3 +1.9
PFO	Pinyon Flats 0	10.46 330	P	Pn	19 45 39.0 +1.6
baz=147					
BELC	Belle Mtn, Jos	10.59 333	P	Pn	19 45 41.1 +1.9
baz=150,SNR=6.0					
ANMO	Albuquerque	10.73 17	Pn	Pn	19 45 43.4 +2.3
0.0nm,0.3s,baz=201,slow=14,SNR=9.5					
ANMO	Albuquerque	10.73 17	LR	LR	19 49 57.6
comp=Z,302nm,18.1s,baz=154,slow=36					
ANMO	Albuquerque	10.73 17	Pn	Pn	19 45 43.9 +2.7
ANMO	Albuquerque	10.73 17	P	Pn	19 45 43.6 +2.4
baz=199					
WUAZ	Wupatki	10.86 355	ePn	Pn	19 45 45.1 +2.3
WUAZ	Wupatki	10.86 355	P	Pn	19 45 44.9 +2.0
baz=175					
JCT	Junction City	10.86 56	ePn	Pn	19 45 45.0 +2.2
JCT	Junction City	10.86 56	P	Pn	19 45 45.9 +3.0
baz=241					
W13A	Hualapai Mount	10.88 344	ePn	Pn	19 45 45.8 +2.6
GMRC	Granite Mounta	11.14 336	P	Pn	19 45 48.5 +1.7
baz=154					
LDFC	Landfair	11.21 339	ePn	Pn	19 45 51.0 +3.2
MSX	Muleshoe	11.28 33	ePn	Pn	19 45 49.0 +0.3
MSX	Muleshoe	11.28 33	P	Pn	19 45 51.7 +3.0
baz=218					
HEC	Hector,Ludlow	11.44 334	P	Pn	19 45 52.7 +1.9
baz=151					
MWC	Mount Wilson	11.73 326	ePn	Pn	19 45 55.7 +0.8
TUQ	Turquoise Moun	11.82 336	ePn	Pn	19 45 58.0 +2.0
baz=154,SNR=5.4					
SNCC	San Nicolas Is	11.83 318	ePn	Pn	19 45 55.5 -0.5
U15A	North Rim	11.86 352	ePn	Pn	19 46 00.3 +3.7
GSC	Goldstone, Bar	12.04 333	ePn	Pn	19 46 01.1 +2.0
GSC	Goldstone, Bar	12.04 333	P	Pn	19 46 01.5 +2.2
baz=150,SNR=6.9					
ABTX	Abilene, Hawle	12.17 47	ePn	Pn	19 46 01.6 +0.9
EDW2	Edwards Air Fo	12.22 3			

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Table with columns: ID, Name, Az, El, P, R, Time, Res. Includes stations like S38A Stockton, MOOW Moose Ponds, WVOR Wild Horse Val, etc.

Table with columns: ID, Name, Az, El, P, R, Time, Res. Includes stations like X52A Dahlonke, M44A Midewin, SFIN Midewin, etc.

MEX 02 19:44:52.7-0.5, 16:23N-98:00W, h12km, 7km, MD3.5, Oaxaca

Table with columns: Code, Station Name, Az, El, P, R, Time, Res. Includes stations like PNIG Pinotepa, YNIG Yunguilla, TLIG Tlapa, etc.

NNC 02 19:45:04.0-2.3, 37:60N-71:57E, h165km, 31km, mb2.5, mpv3.5, Error ellipse: s-maj=2.4, 1km s-min=18.0km bz=63.0

ISC 02 19:45:03.2-3.3, 37:55N-02:71.4E-0.1, h109km, n11, 0184/17, 5C-7D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, El, P, R, Time, Res. Includes stations like SFK Sufi-Kurgan, SFK Sufi-Kurgan, AML Almayush, etc.

KRSC 02 19:46:19.4-1.8, 49:37N-156:50E, h48km, 24km, ML3.9, Kuril Islands

Table with columns: Code, Station Name, Az, El, P, R, Time, Res. Includes stations like SKR Severo-Kuril's, SKR Severo-Kuril's, PAU Pauzhetka, etc.

IDC 02 19:50:30.9-1.8, 51:52N-178:31W, h0km, mb3.4/5, mb1 3.9/6, mb1mx3.5/6.2, mbtmp3.6/6, ML4.1/1, MS3.3/1, MS1 3.3/3, ms1mx2.5/3.5, Error ellipse: s-maj=64.5km s-min=24.5km az=176.0

ISCJB 02 19:59:31.9-0.6, 51:47N-0:07:178.01W, 0.04, h10km, mb3.6/4, MS3.3/1, Error ellipse: s-maj=10.0km s-min=3.3km az=170.7

NEIC 02 19:59:32.7-0.0, 51:55N-178:05W, h6km, ML3.8(AEIC), After AICZ

ISC 02 19:59:31.7-0.9, 51:66N-1:178.20W-0:03, h10km, n38, 01936/35, mb3.7/4, Andeanof Islands

Table with columns: Code, Station Name, Az, El, P, R, Time, Res. Includes stations like TASE Tanaga Southea, TAPA Tanaga Point A, TAFP Tanaga Falls P, etc.

Table with columns: ID, Name, Az, El, P, R, Time, Res. Includes stations like H11N2 WAKE ISLAND Hy 33.86 206, H11N3 WAKE ISLAND Hy 33.87 206, etc.

ROM 02 20:00:10.8-0.3, 39:397N-0:008:15:99E, 0:01, h8km, 1km, ML1/2, Southern Italy

Table with columns: Code, Station Name, Az, El, P, R, Time, Res. Includes stations like MMN Mormanno, MMN Mormanno, MMN Mormanno, etc.

ISCJ 02 20:11:36.0-0.6, 4:9S-0:1:151.0E-0.1, h155km, mb3.8/7, Error ellipse: s-maj=23.3km s-min=7.2km az=43.3

IDC 02 20:11:37.1-4.3, 4:49S-150:60E, h147km, 40km, mb3.3/4, mb1 3.6/5, mb1mx3.2/4.5, mbtmp3.5/5, MS3.8/1, Ms1 3.8/1, ms1mx3.2/1.3, Error ellipse: s-maj=94.0km s-min=28.1km az=131.0

NEIC 02 20:11:37.4-0.8, 5:16S-151:43E, h170km, 7km, mb4.2/4, Error ellipse: s-maj=32.6km s-min=8.6km az=120.0

ISC 02 20:11:37.3-0.9, 4:9S-0:2:151.1E-0.2, h155km, n16, 01823/21, mb3.6/7, New Britain region

Table with columns: Code, Station Name, Az, El, P, R, Time, Res. Includes stations like RABL Rabaul, RABL Rabaul, RABL Rabaul, etc.

IDC 02 20:19:47.2-1.3, 39:46N-55:34E, h0km, mb3.7/6, mb1 3.9/13, mb1mx3.7/4.0, mbtmp3.8/13, ML3.6/6, MS3.3/3, MS1 3.3/3, ms1mx2.8/4.5, Error ellipse: s-maj=20.4km s-min=10.7km az=175.0

TEH 02 20:19:47.9, 38:60N-55:57E, h10km, ML4.0, THR 02 20:19:47.4, 0.5, 38:65N-55:50E, h14km, 8km, ML3.9

ISCJB 02 20:19:47.9-0.2, 38:68N-0:02:55:0E-0.2, h10km, mb4.1/14, MS3.6/2, Error ellipse: s-maj=3.6km s-min=2.3km az=22.1

NEIC 02 20:19:48.6-0.5, 38:47N-55:66E, h10km, mb4.1/19, Error ellipse: s-maj=4.1, 1km s-min=5.0km az=179.0

NNC 02 20:19:48.6-4.3, 39:79N-55:50E, h0km, mb-4.8, mpv4.8, Error ellipse: s-maj=54.9km s-min=20.3km az=53.0

AZER 02 20:19:57.3-0.8, 38:31N-54:47E, h15km, m4/3, Error ellipse: s-maj=12.3km s-min=5.6km az=28.0

ISC 02 20:19:48.1-0.5, 38:59N-0:04:55:55E-0.04, h10km, n125, 0238/146, mb4.2/14, 28C-22D, Iran-Turkmenistan border region

Table with columns: Code, Station Name, Az, El, P, R, Time, Res. Includes stations like MRVT Maraveh tapeh, MRVT Maraveh tapeh, MRVT Maraveh tapeh, etc.

CMB	Columbia Colle	35.11	97	eP	P	00 57 18.0 +0.8
YERR	Yerington	35.19	94	eP	P	00 57 19.0 +0.9
HLID	Hailey	35.34	84	eP	P	00 57 20.1 +0.8
HLID	Hailey	35.34	84	P	P	00 57 20.0 +0.8
WAKR	Walker	35.38	95	eP	P	00 57 20.4 +0.7
BMN	Battle Mountai	35.50	91	eP	P	00 57 21.0 +0.3
EKH	Elkhorn Ranch	35.55	99	eP	S	00 57 22.7 +1.8
EKH	Elkhorn Ranch	35.55	99	eP	S	01 02 54.2 +0.4
MCMT	McKenzie Canyo	35.56	81	eP	P	00 57 21.9 +0.6
EGMT	Eagleton	35.71	75	eP	P	00 57 22.7 +0.4
EGMT	Eagleton	35.71	75	P	P	00 57 22.6 +0.3
KVN	Kaiserville	35.83	93	eP	P	00 57 24.3 +0.8
RYN	Ryan	35.85	94	eP	P	00 57 25.2 +1.6
BOZ	Bozeman (W)	35.87	79	eP	P	00 57 24.2 +0.4
BOZ	Bozeman (W)	35.87	79	P	P	00 57 24.0 +0.2
NV01	Mina Array Sit	36.11	94	eP	P	00 57 27.2 +1.2
NVAR	Mina Array	36.11	94	P	P	00 57 27.1 +1.2
NVAR	Mina Array	0.5nm,0.6s,baz=272,slow=2.3,SNR=4.7			PcP	00 59 50.9 -0.2
NVAR	Mina Array	comp=Z,60nm,18.9s,baz=76,slow=33			LR	01 10 33.3
NV11	Mina Array Sit	36.19	94	eP	P	00 57 26.9 +0.3
YHB	Yorba Butte	36.59	80	eP	P	00 57 30.6 +0.6
YHB	Yorba Butte	36.59	80	eP	P	00 57 39.1 -2.4
YMR	Madison River	36.77	80	eP	P	00 57 33.2 +1.6
YHM	Holmes Hill	36.77	80	eP	P	00 57 32.2 +0.5
GCMT	Greycliff	36.78	72	eP	P	00 57 33.2 +0.4
H17A	Grant Village	37.16	80	eP	P	00 57 37.2 +2.3
H17A	Grant Village	37.16	80	P	P	00 57 36.6 +1.7
FLWY	Flagg Ranch	37.26	81	eP	P	00 57 37.3 +1.6
FXWY	Fox Creek	37.31	82	eP	P	00 57 37.5 +1.2
HVU	Hansel Valley	37.35	85	eP	P	00 57 36.7 +0.2
TPAW	Teton Pass	37.45	82	eP	P	00 57 38.8 +1.4
RLMT	Red Lodge	37.52	79	eP	P	00 57 38.0 0.0
RLMT	Red Lodge	37.52	79	P	P	00 57 38.8 +0.8
CWC	Cottonwood Cre	37.55	97	P	P	00 57 39.9 +1.7
PKM	Mcperson Peak	37.57	100	P	P	00 57 39.9 +1.5
REDW	Red Top Meadow	37.58	82	eP	P	00 57 38.6 +0.1
GRAC	Grapevine Rang	37.60	95	P	P	00 57 40.3 +1.8
BGU	Big Grassy Mou	37.72	87	eP	P	00 57 40.8 +1.3
AHID	Auburn Hatcher	37.78	83	eP	P	00 57 41.3 +1.2
R11A	Troy Canyon, C	37.79	92	eP	P	00 57 41.0 +0.8
R11A	Troy Canyon, C	37.79	92	P	P	00 57 41.0 +0.8
ISA	Isabella, Lake	37.84	98	eP	P	00 57 41.2 +0.7
ISA	Isabella, Lake	37.84	98	P	P	00 57 41.2 +0.7
DAC	Darwin (Calif)	37.95	96	eP	P	00 57 42.0 +0.4
MPMC	Manus Prospec	38.16	96	P	P	00 57 44.7 +1.4
HWUT	Hardware Ranch	38.18	85	eP	P	00 57 44.6 +1.1
FURC	Furnace Creek	38.26	95	P	P	00 57 45.3 +1.4
DUG	Dugway, Tooele	38.30	88	eP	P	00 57 45.4 +1.0
DUG	Dugway, Tooele	38.30	88	P	P	00 57 45.4 +1.0
TPNV	Topopah Spring	38.30	94	P	P	00 57 45.7 +1.1
TPNV	Topopah Spring	38.30	94	P	P	00 57 45.6 +1.1
LRMC	Laurel Mtn Rad	38.43	97	P	P	00 57 47.1 +1.5
LAO	LASA Array	38.45	75	eP	P	00 57 46.6 +1.0
LAO	LASA Array	38.45	75	P	P	00 57 46.4 +0.9
TCT	Toone Canyon	38.57	85	eP	P	00 57 47.0 +0.2
EDW2	Edwards Air Fo	38.66	98	P	P	00 57 48.5 +1.1
BW06	Boulder Array	38.70	82	eP	P	00 57 48.3 +0.4
BW06	Boulder Array	38.70	82	P	P	00 57 48.3 +0.4
PD31	Pinedale Array	38.70	82	eP	P	00 57 48.3 +0.4
PDAR	Pinedale Array	38.70	82	P	P	00 57 48.2 +0.4
PDAR	Pinedale Array	comp=Z,58nm,18.4s,baz=284,slow=35			LR	01 13 17.6
PDAR	Pinedale Array	38.70	82	eP	P	00 57 47.6 -0.3
PSUT	Pine Spring	38.71	90	eP	P	00 57 48.9 +0.8
JLU	Jordanella	38.86	86	eP	P	00 57 50.4 +1.1
NLU	North Lily Min	38.89	87	eP	P	00 57 50.5 +1.1
GSC	Goldstone, Bar	39.08	97	eP	P	00 57 52.4 +1.4
GSC	Goldstone, Bar	39.08	97	P	P	00 57 52.4 +1.4
H11N2	WAKE ISLAND Hy	39.10	222	T	T	01 09 27.9
H11N3	WAKE ISLAND Hy	39.11	222	T	T	01 09 28.4
H11N1	WAKE ISLAND Hy	39.12	222	T	T	01 09 29.3
FCC	Fort Churchill	39.19	52	eP	P	00 57 51.5 +0.1
FMP	Fort Macarthur	39.29	100	P	P	00 57 55.1 +2.5
BFS	Mount Baldy Ra	39.30	99	P	P	00 57 54.1 +1.2
CIS	Catalina Isla	39.44	100	P	P	00 57 55.9 +2.1
TUQ	Turquoise Moun	39.51	96	P	P	00 57 55.7 +1.1
CCUT	Cedar City	39.65	91	eP	P	00 57 56.1 +0.3
HCU	Hector, Ludlow	39.68	97	eP	P	00 57 57.6 +1.6
MSU	Marysville	39.74	89	eP	P	00 57 56.9 +0.3
TMUT	Trail Mountain	39.82	87	eP	P	00 57 58.8 +1.5
P17A	Butcher Ranch,	39.99	87	eP	P	00 57 59.9 +1.3
MTPU	Mount Pierson	40.04	90	eP	P	00 57 59.8 +0.6
LCMT	Little Creek M	40.07	92	eP	P	00 57 60.0 +0.7
GMRC	Granite Mounta	40.12	96	P	P	00 58 00.7 +1.0
P18A	Preston Nutter	40.19	86	eP	P	00 58 01.8 +1.3
LDRC	Landfair	40.24	96	eP	P	00 58 01.4 +0.7
USRK	Ussuriysk Ar.	40.28	283	LR	LR	01 16 34.5
H11S1	WAKE ISLAND Hy	40.29	221	T	T	01 01 03.2
H11S2	WAKE ISLAND Hy	40.30	221	T	T	01 04 53.1
H11S3	WAKE ISLAND Hy	40.30	221	T	T	01 04 47.0

KNB	Kanab	40.32	91	eP	P	00 58 01.4 0.0
FRD	Ford Ranch, An	40.45	99	P	P	00 58 03.6 +1.2
PFO	Pinyon Flats 0	40.45	98	P	P	00 58 03.7 +1.3
BELC	Belle Mtn. Jos	40.45	98	P	P	00 58 03.7 +1.2
K22A	Casper	40.57	80	eP	P	00 58 03.5 +0.1
K22A	Casper	40.57	80	P	P	00 58 03.1 -0.3
IRM	Iron Mountain	40.86	97	P	P	00 58 06.8 +1.1
W13A	Hualapai Mount	40.97	94	eP	P	00 58 07.0 +0.3
W13A	Barrett	40.98	100	eP	P	00 58 18.9 +0.5
BAR	Barrett	40.98	100	eP	P	00 58 07.5 +0.8
BAR	Barrett	2.3nm,0.8s			P	00 58 19.5 +1.2
BC3	Big Chuckwall	41.02	97	P	P	00 58 07.7 +0.6
U15A	North Rim	41.02	92	eP	P	00 58 08.5 +1.2
O20A	White River Ci	41.08	84	eP	P	00 58 08.1 +0.4
O20A	White River Ci	41.08	84	P	P	00 58 07.8 +0.2
RSSD	Black Hills	41.17	76	eP	P	00 58 08.2 -0.2
RSSD	Black Hills	41.17	76	P	P	00 58 08.1 -0.2
MJAR	Matsushiro Arr	41.31	269	LR	LR	01 13 37.5
IKP	In-Ko-Pah, Jac	41.34	99	P	P	00 58 10.8 +1.2
PDMC1	Parker Dam, Lak	41.36	96	P	P	00 58 10.6 +1.0
Y12C	Blythe	41.51	96	eP	P	00 58 12.2 +1.2
Y12C	Blythe	41.51	96	P	P	00 58 11.7 +0.8
PV09	Paradox Valley	41.58	87	eP	P	00 58 12.2 +0.4
PV21	Cone Mtn., Par	41.63	87	eP	P	00 58 12.7 +0.5
PV23	Carpenter Ridg	41.68	87	eP	P	00 58 13.2 +0.5
PV10	Paradox Valley	41.71	87	eP	P	00 58 13.8 +0.9
PV14	Lion Creek, Pa	41.73	87	eP	P	00 58 13.4 +0.5
PV22	Blue Mesa, Pa	41.76	86	eP	P	00 58 13.8 +0.5
PV20	West Nyswonger	41.78	87	eP	P	00 58 13.0 -0.3
PV19	Morning Glory	41.79	87	eP	P	00 58 13.8 +0.3
GLA	Glamis	41.82	97	eP	P	00 58 14.1 +0.6
GLA	Glamis	41.82	97	eP	P	00 58 26.4 +1.3
GLA	Glamis	41.82	97	P	P	00 58 14.5 +0.9
PV17	East Wray Mesa	41.82	87	eP	P	00 58 14.3 +0.5
PV16	Nyswonger Mesa	41.83	87	eP	P	00 58 14.3 +0.5
PV11	David Mesa, Pa	41.86	87	eP	P	00 58 14.7 +0.6
PV05	Paradox Valley	41.87	87	eP	P	00 58 15.0 +0.9
PV18	Skein Mesa, Pa	41.88	87	eP	P	00 58 14.5 +0.3
PV12	Saucer Basin,	41.89	87	eP	P	00 58 14.9 +0.6
PV03	Paradox Valley	41.91	87	eP	P	00 58 14.6 +0.2
N23A	Red Feather La	41.98	82	eP	P	00 58 15.7 +0.6
N23A	Red Feather La	41.98	82	P	P	00 58 15.0 0.0
PV13	Radium Mtn., P	41.98	87	eP	P	00 58 15.4 +0.3
PV02	Paradox Valley	42.00	87	eP	P	00 58 15.7 +0.4
PV01	Paradox Valley	42.15	87	eP	P	00 58 16.6 +0.2
WUAZ	Wupatki	42.19	92	eP	P	00 58 17.8 +1.0
WUAZ	Wupatki	42.19	92	P	P	00 58 17.7 +1.0
Y14A	Wickenburg	42.29	95	eP	P	00 58 18.6 +1.2
Y14A	Wickenburg	7.7nm,1.1s			P	00 58 30.4 +1.3
ULM	Lac du Bonnet	42.36	64	P	P	00 58 15.6 -2.2
ULM	Lac du Bonnet	1.6nm,0.6s,baz=297,slow=1.4,SNR=5.0			LR	01 15 21.6
SMCO	Snowmass	42.44	84	eP	P	00 58 19.1 +0.1
113A	Mohawk Valley,	42.65	97	eP	P	00 58 20.3 +0.1
MVCO	Mesa Verde	42.80	88	eP	P	00 58 21.9 +0.1
MVCO	Mesa Verde	42.80	88	P	P	00 58 21.8 +0.1
ISCO	Idaho Springs	42.86	83	eP	P	00 58 22.2 -0.1
ISCO	Idaho Springs	42.86	83	P	P	00 58 21.8 -0.5
X16A	Lo Mia Camp, P	42.90	93	eP	P	00 58 23.0 +0.5
AGMN	Agassiz Nation	43.44	67	eP	P	00 58 26.2 -0.3
AGMN	Agassiz Nation	43.44	67	P	P	00 58 25.9 -0.6
S22A	4UR Ranch, Cre	43.45	86	eP	P	00 58 28.1 +1.1
S22A	4UR Ranch, Cre	43.45	86	P	P	00 58 27.8 +0.7
X18A	Snowflake	43.72	92	eP	P	00 58 29.4 +0.3
SUSD	Miller	43.93	73	P	P	00 58 29.8 -0.7
SDCO	Great Sand Dun	44.24	85	eP	P	00 58 33.5 0.0
SDCO	Great Sand Dun	44.24	85	P	P	00 58 33.7 +0.3
TUC	Tucson	44.76	95	eP	P	00 58 37.8 +0.5
TUC	Tucson	44.76	95	P	P	00 58 38.0 +0.7
T25A	Trinidad	45.30	85	eP	P	00 58 42.4 +0.6
T25A	Trinidad	18nm,1.1s			P	00 58 42.3 +0.6
LAZ	Ladron	45.50	90	eP	P	00 58 44.1 +0.8
ANMO	Albuquerque	45.54	89	eP	P	00 58 44.2 +0.6
ANMO	Albuquerque	45.54	89	P	P	00 58 43.7 +0.1
ECSD	EROS Data Cent	45.70	72	eP	P	00 58 43.5 -1.0
ECSD	EROS Data Cent	45.70	72	P	P	00 58 43.3 -1.3
LENM	Lenoir	45.76	90	eP	P	00 58 45.7 +0.3
BNN	Barren Site	45.98	89	eP	P	00 58 48.0 +0.9
BGNE	Belgrade	46.26	76	P	P	00 58 48.5 -0.5
121A	Cookes Peak, D	46.40	92	P	P	00 58 51.2 +0.8
NRIK	Noril'sk	46.47	332	LR	LR	01 21 23.1
F37A	Hinrichs Farm,	46.74	68	P	P	00 58 52.1 -0.6
KSR	Kearney Army	46.88	278	P	P	00 58 51.0 -2.9
KSR	Kearney Army	1.6nm,1.0s,baz=57,slow=8.9,SNR=2.7			PcP	01 00 26.2 +0.2
KSR	Kearney Army	0.7nm,0.5s,baz=60,slow=2.8,SNR=2.5			P	00 58 51.0 -3.2
KSAR	Wonju Array Be	46.92	278	P	P	01 00 26.2 0.0
SPMN	Marine on St.	46.95	68	P	P	00 58 53.5 -0.8
CBKS	Cedar Bluff	46.98	80	eP	P	00 58 54.5 -0.2
CBKS	Cedar Bluff	46.98	80	P	P	00 58 54.8 +0.1
F38A	Pierce - Schro	47.02	67	P	P	00 58 54.5 -0.4
E39A	Mellen	47.49	66	P	P	00 58 58.2 -0.3
G38A	Ridgeland	47.51	68	P	P	00 58 57.5 -1.2

F39A	Loretta
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342A	Winchester	51.96	72	P	P	00 59 30.7	-1.8
HHAR	Hobbs	52.10	78	eP	P	00 59 32.2	-1.5
R41A	Rosebud	52.23	74	P	P	00 59 32.7	-1.9
S0NM	Songino Array	52.24	302	P	P	00 59 32.0	-2.8
S0NM	1.3nm,0.8s,baz=77,slow=7.6,SNR=2.9			PcP	P	01 00 45.1	-0.6
S0NM	1.7nm,0.9s,baz=95,slow=3.0,SNR=5.8			ScP	P	01 04 39.0	-0.1
S0NM	comp=Z,78nm,21.0s,baz=16,slow=36			LR	LR	01 22 06.1	
U39A	Green Forest	52.30	78	P	P	00 59 33.3	-1.9
Q42A	Golden Eagle	52.30	73	P	P	00 59 33.8	-1.3
T40A	Mansfield	52.34	76	P	P	00 59 33.2	-2.3
P43A	Skaggs, Pawnee	52.39	72	P	P	00 59 34.3	-1.5
S41A	Jillico Farms	52.49	75	P	P	00 59 34.4	-2.2
V39A	Pettigrew	52.58	78	P	P	00 59 35.8	-1.5
R42A	Luebbering	52.58	74	P	P	00 59 35.4	-1.8
L46A	Eue Claire	52.63	68	P	P	00 59 35.8	-1.7
O44A	Mansfield	52.65	71	P	P	00 59 36.1	-1.6
JCT	Junction City	52.66	88	eP	P	00 59 37.5	-0.4
JCT	Junction City	52.66	88	P	P	00 59 37.1	-0.9
U40A	Yellville	52.69	77	P	P	00 59 36.0	-2.0
N45A	Kentland	52.73	69	P	P	00 59 36.9	-1.4
Q43A	New Douglas	52.76	73	P	P	00 59 37.4	-1.1
T41A	Mountain View	52.85	76	P	P	00 59 36.8	-2.5
K47A	Vermontville	52.91	66	P	P	00 59 38.8	-0.8
S42A	Caledonia	52.92	74	P	P	00 59 37.6	-2.2
W39A	Magazine	52.94	79	eP	P	00 59 39.1	-0.7
W39A	Magazine	52.94	79	P	P	00 59 38.7	-1.2
WHTX	Lake Whitney	52.99	84	eP	P	00 59 40.5	+0.2
WHTX	Lake Whitney	52.99	84	P	P	00 59 40.0	-0.3
O45A	Potomac	53.01	70	P	P	00 59 39.1	-1.2
P44A	Sand Creek, WI	53.02	71	P	P	00 59 39.4	-1.1
R43A	Red Bud	53.08	73	P	P	00 59 39.4	-1.5
V40A	Witts Springs	53.08	78	eP	P	00 59 39.0	-2.1
V40A	Witts Springs	53.08	78	P	P	00 59 39.1	-1.9
N46A	Monticello	53.13	69	P	P	00 59 39.9	-1.4
Q44A	Meyer Farm, Va	53.18	72	P	P	00 59 40.1	-1.5
X39A	Fountain Ranch	53.22	80	P	P	00 59 40.9	-1.1
U41A	Viola	53.24	77	P	P	00 59 39.9	-2.2
L47A	Sherwood	53.26	67	P	P	00 59 40.6	-1.6
SFIN	Lafayette	53.28	70	P	P	00 59 41.0	-1.3
W40A	Ferguson Farm	53.36	78	eP	P	00 59 42.1	-0.8
W40A	Ferguson Farm	53.36	78	P	P	00 59 41.8	-1.2
S43A	Fulton Ridge	53.48	74	P	P	00 59 42.2	-1.7
V41A	Mountainview	53.49	77	P	P	00 59 41.8	-2.2
MIAR	Mount Ida	53.51	79	eP	P	00 59 43.6	-0.6
MIAR	Mount Ida	53.51	79	P	P	00 59 43.2	-0.9
R44A	Waltonville	53.59	73	P	P	00 59 43.1	-1.6
U42A	Reviden	53.64	76	P	P	00 59 42.6	-2.4
Q45A	Warren Harvey	53.68	72	P	P	00 59 44.1	-1.2
T43A	Greenville	53.69	75	P	P	00 59 43.4	-1.9
L48A	N Adams	53.71	67	P	P	00 59 44.0	-1.5
N47A	Urbana	53.73	68	P	P	00 59 43.7	-1.9
P46A	Rosedale	53.73	70	P	P	00 59 44.0	-1.6
W41B	Gary Mavity, V	53.86	78	P	P	00 59 45.0	-1.7
M48A	Edgerton	53.86	67	P	P	00 59 45.1	-1.5
S44A	Carbondale	53.87	74	P	P	00 59 45.0	-1.6
O47A	Sheridan	53.89	69	P	P	00 59 45.0	-1.9
V42A	Cord	53.92	77	P	P	00 59 45.1	-2.0
X40A	Basin Creek Fa	53.99	79	P	P	00 59 46.0	-1.6
R45A	Skyilar, Fairfri	54.02	72	P	P	00 59 46.3	-1.4
T44A	Benton	54.09	74	P	P	00 59 46.3	-2.0
HHC	Hu-ho-hao-te	54.11	292	eP	Pmax	00 59 50.5	+2.0
HHC	comp=Z,18nm,1.1s			Pmax	Pmax		
N48A	Decatur	54.11	68	P	P	00 59 46.6	-1.9
S45A	Carrier Mills	54.27	73	P	P	00 59 47.4	-2.2
M49A	Liberty Center	54.28	67	P	P	00 59 48.0	-1.6
P47A	Martinsville	54.35	70	P	P	00 59 48.4	-1.7
O48A	Farmland	54.45	69	P	P	00 59 48.8	-2.1
R46A	Gibson Southern	54.51	72	P	P	00 59 50.0	-1.3
Z40A	Long Farm, Mag	54.52	80	P	P	00 59 51.0	-0.5
N49A	Columbus Grove	54.54	67	P	P	00 59 49.9	-1.6
Y41A	Eaglete Beard	54.55	79	P	P	00 59 50.8	-0.8
Q47A	Bedord North L	54.63	71	P	P	00 59 50.9	-1.4
U44B	Burton Farm, H	54.74	75	P	P	00 59 51.5	-1.6
P48A	Milroy	54.84	69	P	P	00 59 51.7	-2.0
Q48A	North Vernon	55.03	70	P	P	00 59 53.3	-1.8
Y42A	Garnett, Star	55.06	79	P	P	00 59 54.3	-1.1
T46A	Princeton	55.10	73	P	P	00 59 54.4	-1.2
X43A	Marvell	55.12	77	P	P	00 59 54.5	-1.3
P49A	Miami Univ. Ec	55.19	69	P	P	00 59 54.3	-2.0
N50A	Nevada	55.22	67	P	P	00 59 54.3	-2.1
141A	Papa Simpson,	55.27	81	P	P	00 59 55.6	-1.3
S47A	Hartford	55.30	72	P	P	00 59 55.9	-1.2
W44A	Shelby Farms P	55.31	76	P	P	00 59 56.1	-1.0
M51A	Elyria	55.36	66	P	P	00 59 55.8	-1.7

424A	Norrel Spur, H	55.37	79	P	P	00 59 56.7	-0.9
O50A	Cable	55.38	68	P	P	00 59 56.0	-1.6
U46A	Springville	55.41	74	P	P	00 59 56.6	-1.3
HKT	Hockley	55.42	85	eP	P	00 59 57.4	-0.5
N51A	Ashland	55.54	66	P	P	00 59 57.2	-1.6
PLVO	Plevna	55.55	59	eP	P	00 59 58.7	-0.1
X44A	Greenhaw	55.56	77	P	P	00 59 57.6	-1.4
T47A	Sharon Grove	55.59	73	eP	P	00 59 58.0	-1.2
T47A	Sharon Grove	55.59	73	P	P	00 59 57.8	-1.3
P50A	Jamestown	55.65	68	P	P	00 59 57.9	-1.7
W45A	Hickory Valley	55.66	76	P	P	00 59 58.5	-1.2
241A	Mo Tay, Goldon	55.68	81	P	P	00 59 58.7	-1.1
ACSO	Alum Creek Sta	55.68	67	P	P	00 59 58.4	-1.4
S48A	Wiedeman Farm,	55.73	71	P	P	00 59 58.6	-1.5
WVT	Waverly	55.77	74	eP	P	00 59 59.6	-0.9
WVT	Waverly	55.77	74	P	P	00 59 59.4	-1.0
V46A	Holladay	55.84	74	P	P	00 59 59.6	-1.3
U47A	Clarksville	55.87	73	P	P	00 59 59.9	-1.3
T48A	Bowling Green	55.91	72	P	P	01 00 00.4	-1.0
O51A	Pataskala	55.95	67	P	P	01 00 00.3	-1.4
OXF	Oxford	55.99	76	eP	P	01 00 01.2	-0.8
OXF	Oxford	55.99	76	P	P	01 00 00.4	-1.6
NJ2	Nanjing	56.00	279	eP	Pmax	01 00 05.1	+2.9
ERPA	Erie	56.02	64	P	P	01 00 01.2	-1.0
341A	Kurthwood	56.02	82	P	P	01 00 01.6	-0.7
TRQ	Mont Tremblant	56.03	57	eP	P	01 00 00.9	-1.4
X45A	UM Field Stati	56.06	76	P	P	01 00 01.0	-1.5
S49A	Springfield	56.08	71	P	P	01 00 01.1	-1.5
Q50A	Georgetown	56.08	69	P	P	01 00 01.2	-1.4
242A	Grayson	56.11	80	P	P	01 00 02.2	-0.7
W46A	Michie	56.15	75	P	P	01 00 02.1	-1.1
V47A	Nunally	56.16	74	P	P	01 00 01.8	-1.5
U48A	Cassie Pea, Po	56.25	73	P	P	01 00 03.0	-0.9
Z44A	Pea Ridge, Bel	56.26	78	P	P	01 00 03.0	-1.0
R50A	Paris	56.27	70	P	P	01 00 02.8	-1.3
Q51A	Peebles	56.31	68	eP	P	01 00 03.5	-0.9
Q51A	Peebles	56.31	68	P	P	01 00 03.0	-1.3
Y45A	Yeager Farm, C	56.37	77	P	P	01 00 03.3	-1.4
O52A	Adamsville	56.39	67	P	P	01 00 03.3	-1.5
T49A	Edmonton	56.41	72	P	P	01 00 03.5	-1.6
PLAL	Pickwick Lake	56.43	75	eP	P	01 00 03.8	-1.4
X46A	Booneville	56.44	76	P	P	01 00 03.7	-1.5
W47A	Westport	56.52	75	P	P	01 00 04.3	-1.6
M54A	Oil Creek Stat	56.61	64	P	P	01 00 05.3	-1.1
V48A	Smith Brothers	56.63	74	P	P	01 00 05.0	-1.6
S50A	Richmond	56.65	70	P	P	01 00 05.4	-1.4
R51A	Hillsboro	56.68	69	P	P	01 00 05.8	-1.2
U49A	Red Boiling Sp	56.68	72	P	P	01 00 05.4	-1.5
Y46A	Houston	56.76	77	P	P	01 00 06.4	-1.1
N54A	Molone State	56.82	65	P	P	01 00 06.2	-1.7
T50A	Nancy	56.87	71	P	P	01 00 06.8	-1.5
X47A	Russville	56.89	75	P	P	01 00 06.6	-1.9
LNIG	Linaires	56.94	92	eP	P	01 00 07.7	-1.3
Q52A	Bidwell	56.96	68	P	P	01 00 07.1	-1.8
W48A	Pulaski	56.99	74	P	P	01 00 07.5	-1.6
244A	Avery, Jackson	56.99	79	P	P	01 00 08.6	-0.6
145A	Houston Renfro	57.03	78	P	P	01 00 08.4	-1.1
P53A	Whipple	57.08	67	P	P	01 00 08.3	-1.4
LONY	Lak Ozonia	57.13	58	P	P	01 00 08.7	-1.3
S51A	Beattyville	57.14	70	P	P	01 00 08.7	-1.5
V49A	Michnville	57.14	73	P	P	01 00 08.4	-1.8
ARCES	ARCES Array B	57.27	355	P	P	01 00 09.4	-1.3
U50A	Jamestown	57.29	72	P	P	01 00 09.5	-1.8
Y47A	UCPARC, Winfie	57.33	76	P	P	01 00 10.0	-1.6
344A	Westbrook Farm	57.38	80	eP	P	01 00 11.8	-0.2
344A	Westbrook Farm	57.38	80	P	P	01 00 11.8	-0.2
X48A	Hartselle	57.41	75	P	P	01 00 10.1	-2.0
T51A	Hartselle	57.41	71	P	P	01 00 10.5	-1.6
146A	Union	57.52	78	P	P	01 00 12.0	-1.0
V50A	Pikeville	57.67	72	P	P	01 00 12.2	-1.7
Z47A	Carrollton	57.70	77	P	P	01 00 12.3	-1.9
Y48A	Jasper	57.72	75	P	P	01 00 12.2	-2.1
X49A	Woodville	57.78	74	P	P	01 00 13.0	-1.7
U51A	La Follette	57.79	71	P	P	01 00 12.9	-1.9
MCWV	Mont Chateau	57.81	66	P	P	01 00 13.5	-1.4
T52A	Hallie	57.86	70	P	P	01 00 13.8	-1.4
Z48A	Northport	57.88	76	P	P	01 00 13.5	-1.9
W50A	Signal Mountai	57.88	73	P	P	01 00 13.8	-1.7
ZALV	Zalesovo Beam	57.89	319	P	P	01 00 13.4	-1.8
ZALV	Zalesovo Beam	57.89	319	ScP	ScP	01 05 03.7	+0.2
ZALV	Zalesovo Beam	57.89	319	eP	ScP	01 05 03.7	+0.2
TZTN	Tazewell	57.94	71	P	P	01 00 14.6	-1.3
O56A	Blue Knob Stat	58.08	64	P	P	01 00 15.8	-1.0
BINY	Binghamton	58.09	61	P	P	01 00 16.2	-0.7

U52A	Thorn Hill	58.15	71	P	P	01 00 15.7	-1.6
SSPA	Standing Stone	58.18	64	P	P	01 00 16.5	-1.0
Y49A	Blount Mountai	58.20	75	P	P	01 00 15.5	-2.2</

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KURCH, BVAR, ACES, FINES, NOA, NA001, HFS, AKASG, KIEV, ILGA, BR131, BRTR, BUR04, CLL, GERES, TORD, TORD.

PLV 03 03:18:42.51.2, 20.98N, 107.00E, h7km, 5km, ML 4.4
BUJ 03 03:18:44.6, 20.97N, 107.02E, h6km, ML 4.7, Ms3.8/5, Ms7.3/4

Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists numerous stations including BGV, MTZV, LSVB, CBV, HBVN, DHV, CBVB, MCVV, VYTB, TTVN, NCV, MUVB, VIVB, CCVB, CLVV, BMV, CKVB, SPV, LCVN, GYA, GZH, CD2, GDT, GTA.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LEM, WRA, ASAR, STKA, MKAR, KURBB.

IDC 03 03:22:22.31.3, 3.63N, 123.00E, h0km, mb3.8/5, mb1 3.9/5, mb1mx3.6/50, mbtmp3.8/5, MS3.5/1, Ms1 3.5/1, ms1mx2.6/27, Error ellipse: s-maj=204.1km s-min=19.1km az=63.0, Celebes Sea

ISK 03 03:28:19.6, 39.02N, 040.69E, h11km, ML2.6/7
IASPEI 03 03:28:20.0, 0.9, 39.02N, 03.40E, 0.03, 0.03, h10km, 5km, Error ellipse: s-maj=4.9km s-min=4.1km az=84.5, GT5 selection from ISC bulletin GT5 identified by Bond'jr and McLaughlin (2009) selection criteria Bond'jr and McLaughlin, A new ground truth data set for seismic studies, <Seism. Res. Let.>, <6>80-<6>, 465-472, 2009

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BNGB, BGOL, BNGL, YEDU, ECAT, HANI, ERZN, SVAN, PTK, EKAR, GURU, DYBB, SVRC, SRTM, BAYT, MAZI, SIRT, URFA.

ISCJCB 03 03:28:20.0, 4, 39.04N, 0.02, 0.04, h6km, 3km, Error ellipse: s-maj=5.0km s-min=3.0km az=166.8
DDA 03 03:28:20.0, 8, 39.04N, 0.07, h3km, ML2.2
ISC 03 03:28:20.0, 8, 39.03N, 0.03, 0.03, h9km, 5km, n19, <089>29, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PNIG, TLIG, MEIG, PLIG, TPIG.

MEX 03 03:30:42.8, 0.4, 15.95N, 98.75W, h18km, 22km, MD3.8, Off coast of Guerrero

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CAHL, SIH, OHAK, KJL, PLK3, MGLS, PLK4, ACHA, ANCK, KABU, KAKN, KAKN, PLK1, KAWH, CNCT, PLBL, KDKA, KDKA.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FOAH, ANNE, ANPK, ANNW, VNHG, VNSS, ILS, CNMP, BRLK, RED, RDWB, SDPT, SPCG, RCO1, PWL, TT01, GOAT, CAST.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BMRM, BPAW, BALM, PNL, ILAR, ILAR, ILB, IM3, YKA, NVAR, NVAR, PDAR, PDAR, TXAR, TXAR, KSRG, ARCES, SONM, ZALV, NB2, NOA, FINES, HFS, KURBB, BVAR, EKA, MKAR, AKASG, GERES.

ISCJCB 03 03:45:09.0, 5.2, 04.04S, 0.08, 69.7E, 0.1, h10km, mb4.3/23, MS3.8/22, Error ellipse: s-maj=15.0km s-min=10.8km az=152.7

IDC 03 03:45:10.3, 1.0, 2.4, 06S, 69.65E, h0km, mb3.8/10, mb1 4.0/10, mb1mx3.8/38, mbtmp3.8/10, MS3.8/22, Ms1 3.8/22, ms1mx3.6/42, Error ellipse: s-maj=33.6km s-min=23.0km az=47.0

NEIC 03 03:45:11.7, 0.4, 24.07S, 69.67E, h10km, mb4.7/13, Error ellipse: s-maj=13.5km s-min=9.7km az=63.0

ISC 03 03:45:11.8, 0.7, 24.05S, 0.1, 69.7E, 0.2, h10km, n61, <1913>38, mb4.3/23, MS3.8/22, Mid-Indian Ridge

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H08S1, H08S2, H08S3, OPO, PAF, PSL, PAKI, H01W2, H01W3, H01W1, BOSB, LEM, MAW, CM31, CMAR, CMAR, RAYN, BATI, ASAR, ASAR, AS31, KBL, WR1, WRA, WRA, WBY2, GEYT, STKA, NRN, ENH, KK31, KKAR, VVND, VVND, SBA, MK31, MK31, MKAR, MKAR, TOAO, TORD, TORD, TORD, TOA1, TOA1, DBIC, ZAAO, ZAAO, ZALV.

ISCJCB 03 03:31:03.6, 0.3, 57.26N, 0.03, 154.80W, 0.05, h71km, 3km, mb3.6/16, Error ellipse: s-maj=5.4km s-min=4.6km az=164.0

NEIC 03 03:31:05.0, 5.0, 1.5, 57.25N, 154.84W, h48km, ML3.3(AEIC), After AEIC

IDC 03 03:31:05.9, 1.1, 57.54N, 154.99W, h57km, 10km, mb3.5/16, mb1 3.6/17, mb1mx3.5/57, mbtmp3.7/17, Error ellipse: s-maj=19.0km s-min=15.0km az=75.0

ISC 03 03:31:05.0, 7, 57.28N, 0.05, 154.84W, 0.04, h63km, 6km, n64, <1517>5, mb3.8/16, Kodiak Island region

Code	Station Name	A°	AZ°	Phase	ID	Time	Res	ISC
						h m s	ISC	
RABL	Rabaul	2.19 343	ePn			06 26 49.8	-2.6	
PMG	Port Moresby	6.38 241	P			06 27 49.7	-0.1	
PMG	251m,0.3s,baz=20,slow=23,SNR=9.5		S			06 29 04.8	+3.4	
PMG	comp=Z,2um,20.0s,baz=46,slow=39		LR			06 30 25.3		
MANU	Manus Island	6.88 308	ePn			06 27 56.4	-0.2	
HNR	Honiara	7.73 114	P			06 28 11.1	+2.6	
HNR	2.6m,0.3s,baz=244,slow=23,SNR=2.3		S			06 29 38.1	+3.2	
HNR	comp=Z,861nm,19.8s,baz=309,slow=34		LR			06 30 44.5		
HNR	Honiara	7.73 114	ePn			06 28 06.8	-1.7	
HNR	comp=Z,861nm,19.8s,baz=309,slow=34		ePn			06 28 11.1	+2.6	
HNR	comp=Z,861nm,19.8s,baz=309,slow=34		ePn			06 29 38.1	+3.2	
HNR	Honiara	7.73 114	eP			06 28 06.8	-1.7	
COEN	Coen	12.14 230	P			06 29 07.6	-1.2	
COEN	comp=Z,12nm,12.14s,SNR=4.7		Pn			06 29 08.2	-0.7	
JAY	Jayapura	12.63 287	P			06 29 15.7	+0.2	
JAY	0.9m,0.3s,baz=222,slow=22,SNR=2.3		LR			06 34 33.0		
MTSU	Mount Surprise	14.37 214	P			06 29 38.5	-0.8	
MTSU	comp=Z,1um,18.7s,baz=353,slow=39		Pn			06 29 49.4	+0.4	
CTA	Charters Tower	15.10 204	P			06 34 48.2		
CTA	0.4nm,0.3s,baz=22,slow=11,SNR=5.7		LR			06 29 48.2	-0.8	
CTA	comp=Z,2um,20.6s,baz=24,slow=34		LR			06 29 48.2	-0.8	
CTA	Charters Tower	15.10 204	eP			06 29 48.2	-0.8	
CTA	comp=Z,24nm,0.8s		Pmax			06 30 37.6	-0.4	
EIDS	Eidsvold	19.02 185	P			06 30 37.6	-0.4	
EIDS	comp=Z,24nm,0.8s		eP			06 30 38.1	+0.3	
QIS	Mount Isa	19.09 221	P			06 30 53.6	+1.1	
RKPI	Ransiki, Papua	19.17 284	P			06 30 53.6	-1.1	
RMQ	Roma	20.43 190	P			06 30 53.8	+0.7	
DZM	Mont Dzumac	20.48 141	eP			06 30 53.8		
DZM	comp=Z,109nm,0.9s,baz=322,slow=8.7,SNR=31		LR			06 30 53.0	0.0	
DZM	comp=Z,903nm,18.2s,baz=317,slow=34		LR			06 35 04.3		
DZM	comp=Z,350nm,1.1s		eLQ			06 35 54.9		
DZM	comp=Z,3um,28.1s		eLR			06 30 53.6	+0.6	
DZM	comp=Z,1um,27.6s		eP			06 30 57.9	-0.8	
DZM	Mont Dzumac	20.48 141	eP			06 30 55.4	-0.4	
FZK	Fak Fak	21.05 278	eP			06 31 03.2	-0.6	
KDU	Kakadu	21.01 251	P			06 31 06.6	+0.1	
GUMU	Guam	21.28 338	P			06 31 12.2	+1.2	
GUMU	comp=Z,102nm,0.9s,baz=172,slow=17,SNR=2.4		LR			06 31 03.6	-0.6	
TARA	Tarawa	21.49 70	eP			06 31 06.6	+0.1	
TARA	comp=Z,193nm,1.2s		P			06 31 12.2	+1.2	
QSLR	Quilpie	21.75 201	P			06 31 12.2	+1.2	
SIJI	Sorong	22.15 283	P			06 31 12.2	+1.2	
SIJI	comp=Z,13nm,0.6s,baz=349,slow=3.1,SNR=4.3		LR			06 31 12.5	-0.2	
MTN	Manton Dam	22.32 251	P			06 31 12.3	-0.4	
MTN	comp=Z,314nm,18.5s,baz=108,slow=43		P			06 35 14.5	-1.4	
WRAB	Tennant Creek	22.46 231	dIP			06 31 13.8	-0.5	
WRAB	comp=Z,66nm,1.0s		Pmax			06 31 11.8	-2.5	
WB2	Warramunga Arr	22.46 231	eP			06 31 13.2	-1.1	
WB2	comp=Z,7.1nm,1.0s		ePcP			06 35 07.5	-0.3	
WB2	comp=Z,7.1nm,1.0s		eP			06 31 13.2	-1.2	
WR1	Warramunga Arr	22.47 231	eP			06 35 17.8	-0.9	
WR1	comp=Z,7.1nm,1.0s		ePcP			06 31 13.2	-1.2	
WRA	Warramunga Arr	22.47 231	P			06 35 07.5	-0.3	
WRA	comp=Z,5.9nm,1.0s,baz=35,slow=22,SNR=4.6		S			06 35 17.8	-0.9	
WRA	comp=Z,6.2nm,1.2s,baz=61,slow=18,SNR=7.0		LR			06 39 35.0		
WRA	comp=Z,976nm,20.9s,baz=60,slow=36		LR			06 31 13.1	-1.3	
WRA	Warramunga Arr	22.47 231	iP			06 31 29.6	-0.1	
WRA	comp=Z,5.6nm,1.0s		P			06 31 29.7	+0.1	
ARMA	Armidale	24.01 182	P			06 31 37.9	-0.9	
ARMA	comp=Z,49nm,1.2s		P			06 31 38.5	-0.6	
AS01	Alice Springs	25.02 224	eP			06 31 38.4	-0.8	
AS31	Alice Springs	25.02 225	eP			06 41 05.1		
ASAR	Alice Springs	25.06 225	P			06 31 41.8	+0.1	
ASAR	comp=Z,23nm,0.8s,baz=58,slow=8.7,SNR=107		LR			06 31 47.8	+0.6	
ASAR	comp=Z,1um,20.4s,baz=69,slow=35		LR			06 31 55.2	+0.3	
KNRA	Kunururra	25.34 246	P			06 32 04.3	+6.9	
CMSA	Cobar Meteorol	25.97 194	P			06 32 00.1	-1.1	
MGCD	Mangrove Creek	26.81 183	P			06 32 00.1	-1.1	
SANI	Sanana	27.06 278	P			06 32 00.1	-1.1	
STKA	Stevens Creek	27.51 201	P			06 32 00.1	-1.1	
STKA	comp=Z,34nm,0.8s,baz=16,slow=9.4,SNR=24		LR			06 42 59.1		
STKA	comp=Z,1um,18.9s,baz=27,slow=36		LR			06 32 00.1	-1.1	
STKA	Stevens Creek	27.51 201	eP			06 32 00.1	-1.1	
STKA	comp=Z,8.1nm,0.8s		Pmax			06 32 00.1	-1.1	
H11S3	WAKE ISLAND Hy	28.20 29	T			07 01 41.7		
H11S2	WAKE ISLAND Hy	28.20 29	T			07 01 49.2		
H11S1	WAKE ISLAND Hy	28.22 29	T			07 01 45.8		
SOEI	Soe	28.45 261	eP			06 32 13.1	+3.2	
SOEI	comp=Z,95nm,0.9s		eP			06 32 08.6	-1.3	
FITZ	Fitzroy Crossi	28.96 244	P			06 32 13.5	-0.8	
FITZ	comp=Z,56nm,0.9s,baz=71,slow=7.8,SNR=33		P			06 32 13.2	-1.1	
FITZ	Fitzroy Crossi	28.96 244	eP			06 45 34.5		
BATI	Baumata	29.08 260	LR			06 32 21.5	-1.1	
HTT	Hallett	29.91 204	P			06 32 21.5	-1.1	
WRKA	Warakuma	29.95 229	P			06 32 30.2	+3.3	
MMRI	Maumere	30.38 264	P			06 32 35.8	-1.1	
MMRI	comp=Z,17nm,0.9s		eP			06 32 31.7	-0.2	
EDFI	Ende, Flores	30.93 264	P			06 32 47.5	+1.8	
ARPS	Mount Arapies	31.93 197	P			06 32 48.7	+2.3	
BKSI	Bulukumba	32.52 270	P			06 32 51.6	+2.5	
BNSI	Bone	32.60 272	P			06 32 51.6	+2.5	
KAPI	Kappang	32.91 271	eP			06 32 51.6	+2.5	
KAPI	comp=Z,51nm,1.3s		Pmax					

SPSI	Sidrap Palu	32.97 272	P			06 32 57.6	+7.9	
TTSI	Tana Toraja	33.02 274	P			06 32 52.3	+2.2	
WBSI	Waikabubak, Su	33.24 262	P			06 32 54.8	+0.6	
MPSI	Mapaga	33.49 280	P			06 32 55.0	-0.3	
FORT	Forest	33.63 221	eP			06 33 02.5	-3.1	
PLAI	Plampang	34.04 264	P			06 33 09.0	-0.4	
MBWA	Marble Bar	35.24 242	eP			06 33 13.8	+0.8	
AFI	Afiamau	35.65 105	P			06 33 34.8	-0.6	
AGY	Agayay City	37.56 303	LR			06 33 34.9	-1.2	
MEEK	Mesathara	38.31 234	P			06 33 38.6	+0.1	
JAGI	Jajag, Banyuwana	38.37 264	P			06 33 53.9	-0.1	
JAGI	Jajag, Banyuwana	38.37 264	eP			06 33 56.1	+0.7	
URZ	Urewera	38.70 149	P			06 34 02.3	+1.8	
RPZ	Rata Peaks	40.57 160	P			06 34 07.1	+2.1	
PWJI	Pagerwojo	40.70 265	P			06 34 21.3	+2.5	
PCJI	Pacitan	41.32 265	P			06 34 23.9	+1.4	
WOJI	Wonogiri, Jawa	41.57 265	P			06 34 23.9	-1.3	
KPJI	Karang Pucung	43.55 266	P			06 34 25.3	-2.4	
CMJI	Cimerak	44.02 265	P			06 34 26.3	-1.8	
JNU	Nakatsue	44.40 333	P			06 34 26.7	+0.7	
JNU	Nakatsue	44.40 333	eP			06 34 27.0	+1.0	
CISI	Cisompet, Garu	44.66 266	P			06 34 27.6	+1.6	
CISI	Cisompet, Garu	44.66 266	eP			06 34 28.3	-1.2	
MJAR	Matsushiro Arr	44.76 343	P			06 34 28.3	-1.2	
MJAR	comp=Z,1.2nm,0.6s,baz=180,slow=4.0,SNR=5.7		PcP			06 34 28.3	-1.2	
MJAR	comp=Z,3.5nm,0.9s,baz=180,slow=4.0,SNR=5.7		PcP			06 34 28.3	-1.2	
MAJO	Matsushiro	44.77 343	eP			06 34 28.3	-1.2	
MAJO	comp=Z,1.57nm,21.9s,baz=180,slow=34		P			06 34 28.3	-1.2	
MAJO	Matsushiro	44.77 343	ePcP			06 34 28.3	-1.2	
MAJO	Matsushiro	44.77 343	eP			06 34 28.3	-1.2	
LEM	Lembang	44.87 267	LR			06 34 28.3	-1.2	
TPI	Tanjungpandan	45.13 272	P			06 34 28.3	-1.2	
PPBI	Pangkal Pinang	46.70 273	P			06 34 28.3	-1.2	
RAR	Rarotonga	48.19 113	P			06 34 28.3	-1.2	
MDSI	Maura Dua	48.42 270	P			06 34 28.3	-1.2	
TJN	Taejon	48.70 333	iP			06 34 28.3	-1.2	
KRSR	Korea Array	49.34 334	P			06 34 28.3	-1.2	
KRSR	comp=Z,1.8nm,0.7s,baz=155,slow=8.6,SNR=8.0		PcP			06 34 28.3	-1.2	
KRSR	comp=Z,2.2nm,1.0s,baz=138,slow=3.6,SNR=4.6		PcP			06 34 28.3	-1.2	
KRSR	comp=Z,117nm,21.6s,baz=169,slow=34		P			06 34 28.3	-1.2	
KSAR	Koror Array Be	49.35 334	P			06 34 28.3	-1.2	
KSAR	comp=Z,117nm,21.6s,baz=169,slow=34		PcP			06 34 28.3	-1.2	
KSAR	Wanji Array Be	49.35 334	P			06 34 28.3	-1.2	

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like YAK, ZAK, TAPN, BOD, ODAN, VANDA, VNSA, TLY, IRK, SBA, RAMN, JIRN, MOY, GUN, PKI, KKN, DMN, GKN, KOLN, DANN, PYUN, HVS, WMQ, FRU, EGAK, DIB, DAWY, EKS2, BESE, SKAG, JIS, WHRY, WRAK, NRIK, NRIK, KKR, DLBC, DLBC, INK, INK, INK, G03D, L04D, H04D, BRVK, BRVK, I04A, D03D, ORV, ORV, M04C, J04D, AFDM, SMMC, CMB, CMB, J05D, B05A, I05D, PKM, G05D, BEKR.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like CCB, MDM, CROM, COLA, COLA, TGL, IL1, ILAR, ILAR, ILB, NVS, NVS, NVS, QSPA, BALM, BALM, BALM, COLD, RIDG, KSH, KSH, KSH, KSH, DOT, MAW, MAW, MAW, MAW, PCA, SCRK, NRN, NRN, NRN, ULHL, TOLK, TOLK, KURK, KURK, TKM2, FYU, KZA, UCH, FRU, FRU, FRU, EGAK, DIB, DAWY, EKS2, BESE, SKAG, JIS, WHRY, WRAK, NRIK, NRIK, KKR, DLBC, DLBC, INK, INK, INK, G03D, L04D, H04D, BRVK, BRVK, I04A, D03D, ORV, ORV, M04C, J04D, AFDM, SMMC, CMB, CMB, J05D, B05A, I05D, PKM, G05D, BEKR.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like PINE, MOD, VCNR, PNTR, VES, WAKR, SYO, SYO, PAHR, YERR, ISA, RYN, HAWA, EDW2, CWC, NV01, NVAR, BFSC, NV11, WVOR, WVOR, WVOR, G08A, LRMC, KVN, KVN, KVN, J08A, DAC, DAC, DAC, D08A, MPMC, MURC, MURC, GRAC, BBRC, E09A, GSC, FRD, FURC, BMN, BMN, BMN, MONP2, PFO, PFO, PFO, XPFO, HEC, IKP, BMO, BMO, BMO, SHOC, F10A, BELC, TPNV, TPNV, TPNV, TPNV, SWSC, TUQ, NEW, NEW, NEW, NEW, GMRC, BC3, R11A, R11A, IRM, SHPR, Y12C, PDMC, W13A, HSLD, PSUT, ABKAR, YKA, YKA, CCUT, LCMT, SZCU, KNB, HVU, HVU, HVU, GEYT.

3Kd 6h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like Pink Cliffs, Mount Pierson, Bozenan (W), etc.

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Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like OXF Oxford, Y45A Yeager Farm, C, X45A UM Field Stati, etc.

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Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like S50A Richmond, ACSO Alum Creek Sta, W51A Cleveland, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and Time/Res. Includes stations like SDMD, CBN, MVL, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and Time/Res. Includes stations like APYU, XAVN, MGAN, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and Time/Res. Includes stations like URFA, PTK, CUKAN, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and Time/Res. Includes stations like IDC, BDFB, TOAD, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and Time/Res. Includes stations like COAL, CORM, YOZ, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and Time/Res. Includes stations like IDC, MRSI, APCI, etc.

3d 8h

DUG	Dugway, Tooele	12.75 103 ePn	Pn	08 19 42.8 +2.9
DUG	Dugway, Tooele	12.75 103 eP	Pn	08 19 42.8 +2.9
DUG	Dugway, Tooele	12.75 103 eP	Pn	08 19 41.9 +2.0
PSUT	Pine Spring	12.80 111 ePn	Pn	08 19 44.1 +3.3
YHB	Horse Brake	12.81 82 ePn	Pn	08 19 43.7 +2.9
SHOC	Shoshone, Teco	12.89 126 P	Pn	08 19 45.3 +3.5
YMR	Madison River	12.98 82 ePn	Pn	08 19 45.9 +2.8
GSC	Goldstone, Bar	13.01 129 ePn	Pn	08 19 46.8 +3.3
GSC	Goldstone, Bar	13.01 129 P	Pn	08 19 46.8 +3.3
GSC	Goldstone, Bar	13.01 129 P	Pn	08 19 45.9 +2.4
YHM	Holmes Hill	13.05 81 ePn	Pn	08 19 46.7 +2.5
FXWY	Fox Creek	13.05 86 ePn	Pn	08 19 47.3 +3.6
IMW	Indian Meadow	13.08 85 ePn	Pn	08 19 48.7 +4.1
HWUT	Hardware Ranch	13.13 96 ePn	Pn	08 19 48.5 +3.3
TPAW	Teton Pass	13.13 87 ePn	Pn	08 19 48.0 +2.8
SHPR	Sheep Range	13.13 121 ePn	Pn	08 19 50.0 +4.5
AHID	Auburn Hatcher	13.16 90 ePn	Pn	08 19 48.7 +3.0
FLWY	Flagg Ranch	13.23 84 ePn	Pn	08 19 50.8 +4.3
REDW	Red Top Meadow	13.23 88 ePn	Pn	08 19 49.8 +3.3
MOOW	Moose Ponds	13.24 86 ePn	Pn	08 19 49.6 +2.9
CTU	Camp Tracy	13.30 100 ePn	Pn	08 19 49.9 +2.3
LOHW	Long Hollow	13.36 86 ePn	Pn	08 19 51.1 +2.8
NLU	North Min	13.36 82 ePn	Pn	08 19 50.2 +2.4
BFSC	Baldy Ra	13.37 135 P	Pn	08 19 48.2 -0.1
SIT	Sitka	13.39 345 ePn	Pn	08 19 51.4 +2.9
SIT	Sitka	13.39 345 ePn	Pn	08 19 51.4 +2.9
TUUT	Toone Canyon	13.42 97 ePn	Pn	08 19 51.4 +2.5
TUQ	Turquoise Moun	13.42 127 P	Pn	08 19 51.9 +2.8
JLU	Jordanelle	13.55 100 ePn	Pn	08 19 53.9 +2.9
HEC	Hector,Ludlow	13.62 129 P	Pn	08 19 53.9 +2.1
CCUT	Cedar City	13.66 114 ePn	Pn	08 19 56.7 +4.3
TCRU	Three Creeks R	13.71 109 ePn	Pn	08 19 56.4 +3.2
BBRC	Big Bear Sloop	13.73 133 P	Pn	08 19 53.3 -0.1
GZCU	Shurtz Canyon	13.82 113 ePn	Pn	08 19 58.4 +3.8
SCMT	Greycliff	13.84 77 ePn	Pn	08 19 57.5 +2.7
EGMT	Eagleton	13.94 68 ePn	Pn	08 19 58.0 +2.0
EGMT	Eagleton	13.94 68 P	Pn	08 19 56.9 +0.9
MSU	Marysvalle	13.95 108 ePn	Pn	08 19 60.0 +3.6
MSU	Marysvalle	13.95 108 eP	Pn	08 20 00.0 +3.6
SC12	San Clemente I	13.95 140 P	Pn	08 19 56.7 +0.5
GMRC	Granite Moun	14.03 128 P	Pn	08 19 58.3 +0.9
LCMT	Little Creek M	14.05 116 ePn	Pn	08 20 01.5 +3.8
MURC	Murieta	14.10 135 P	Pn	08 19 59.7 +1.4
LDFC	Landfair	14.14 126 ePn	Pn	08 20 00.6 +1.6
RLMT	Red Lodge	14.15 80 ePn	Pn	08 20 01.4 +2.3
RLMT	Red Lodge	14.15 80 P	Pn	08 20 00.9 +1.8
MTPU	Mount Pierson	14.18 110 ePn	Pn	08 20 02.9 +3.2
DLBC	Dease Lake	14.21 358 P	Pn	08 20 02.9 +3.2
DLBC	Dease Lake	0.1nm,0.3s,baz=187,slow=12,SNR=26	Sn	08 22 33.8 -3.5
TMUT	Trail Mountain	14.25 104 ePn	Pn	08 20 03.0 +2.5
BW06	Boulder Array	14.27 89 ePn	Pn	08 20 03.2 +2.4
BW06	Boulder Array	14.27 89 P	Pn	08 20 01.1 +2.0
PD31	Pinedale Array	14.27 89 ePn	Pn	08 20 02.6 +1.8
PDAR	Pinedale Array	14.27 89 P	Pn	08 20 03.9 +3.1
PDAR	Pinedale Array	0.1nm,0.3s,baz=280,slow=12,SNR=22	LR	08 25 42.1
PDAR	Pinedale Array	comp-Z,1um,20.3s,baz=284,slow=38	LR	08 20 03.3 +2.5
PNAB	Knab	14.32 115 ePn	Pn	08 20 05.0 +3.6
KNB	Knab	14.32 115 ePn	Pn	08 20 05.0 +3.6
JIS	Junesau Island	14.34 349 ePn	Pn	08 20 06.0 -3.2
PKCU	Pink Cliffs	14.41 112 ePn	Pn	08 20 06.3 +3.5
BELC	Belle Mtn. Jos	14.43 131 P	Pn	08 20 03.8 +1.0
PFO	Pinyon Flats O	14.48 133 ePn	Pn	08 20 06.6 +3.1
PFO	Pinyon Flats O	14.48 133 ePn	Pn	08 20 04.7 +3.1
PFO	Pinyon Flats O	14.48 133 P	Pn	08 20 04.2 +0.6
XPFO	Pison Flat	14.48 133 ePn	Pn	08 20 05.5 +2.0
XPFO	Pison Flat	14.48 133 eP	Pn	08 20 06.0 -4.3
FRD	Ford Ranch, An	14.49 134 P	Pn	08 20 04.3 +0.6
P17A	Butcher Ranch,	14.50 103 ePn	Pn	08 20 06.4 +2.6
109C	Camp Elliot, M	14.72 136 P	Pn	08 20 06.8 +0.1
BESE	Bessie Moutair	14.77 348 ePn	Pn	08 20 10.8 -2.6
P18A	Preston Nuttal	14.78 102 ePn	Pn	08 20 10.5 +2.7
IRM	Iron Mountain	14.78 128 P	Pn	08 20 08.9 +1.3
W13A	Hualapai Moun	14.86 123 ePn	Pn	08 20 12.8 -1.8
BC3	Big Chucckwall	14.98 130 P	Pn	08 20 11.5 +1.1
U15A	North Rim	15.01 116 ePn	Pn	08 20 14.6 -1.9
MONP2	Monument Peak	15.06 135 P	Pn	08 20 12.3 +0.8
BAR	Barrett	15.10 136 ePn	Pn	08 20 12.6 +0.7
PDMCI	Parker Dam,Lak	15.25 126 P	Pn	08 20 15.8 +1.9
SWSC	Sam W. Stewart	15.34 133 P	Pn	08 20 15.1 +0.1
IKP	In-Ko-Pah, Jac	15.41 134 P	Pn	08 20 17.2 +1.1
Y12C	Blythe	15.43 128 ePn	Pn	08 20 18.5 +2.3
Y12C	Blythe	14nm,1.1s	Pn	08 20 18.1 +1.9
SKAG	Skagway	15.69 348 ePn	P	08 20 22.6 -0.8
GLA	Glamis	15.78 130 ePn	Pn	08 20 22.0 +1.2
GLA	Glamis	15.78 130 eP	Pn	08 20 22.0 +1.2
GLA	Glamis	comp-Z,11nm,1.0s	Pmax	08 20 21.4 +0.5
O20A	White River Ci	16.00 98 ePn	P	08 20 25.8 -1.5
O20A	White River Ci	comp-Z,5nm,0.9s	P	08 20 24.1 +0.3
PV09	Paradox Valley	16.05 104 ePn	P	08 20 26.9 -1.1
PV21	Com Mtn., Par	16.13 104 ePn	P	08 20 28.0 -0.8
WUAZ	Wupatki	16.15 117 ePn	P	08 20 29.0 0.0
WUAZ	Wupatki	comp-Z,56nm,1.2s	P	08 20 27.0 +1.3
PV23	Carpenter Ridg	16.16 104 ePn	P	08 20 28.1 -1.1
PV10	Paradox Valley	16.17 104 ePn	P	08 20 29.1 -0.2
Y14A	Wickenburg	16.18 124 ePn	P	08 20 28.8 -0.4
PV14	Lion Creek, Pa	16.19 104 ePn	P	08 20 28.3 -1.1
LAO	LASA Array	16.23 73 ePn	P	08 20 28.5 -1.2
LAO	LASA Array	comp-Z,56nm,1.2s	P	08 20 26.7 +0.2
RWWY	Rawlins	16.23 91 ePn	P	08 20 30.0 0.0
PV20	West Nywonger	16.24 104 ePn	P	08 20 29.4 -0.6
PV19	Morning Glory	16.24 105 ePn	P	08 20 29.2 -0.8
PV05	Paradox Valley	16.27 105 ePn	P	08 20 30.3 -0.1
PV17	East Wray Mesa	16.27 105 ePn	Pn	08 20 28.8 +1.4
PV22	Blue Mesa, Par	16.28 104 ePn	P	08 20 29.4 -1.0
PV16	Nywonger Mesa	16.29 104 ePn	P	08 20 29.9 -0.6
PV18	Skein Mesa, Pa	16.32 105 ePn	P	08 20 30.0 -0.9
PV11	David Mesa, Pa	16.33 104 ePn	P	08 20 30.3 -0.6
PV03	Paradox Valley	16.36 105 ePn	P	08 20 30.0 -1.3
PV12	Saucer Basin,	16.37 104 ePn	P	08 20 31.0 -0.4
PV13	Radium Mtn., P	16.43 105 ePn	P	08 20 31.5 -0.6

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PV02	Paradox Valley	16.46 105 ePn	P	08 20 32.0 -0.5
K22A	Casper	16.48 88 ePn	P	08 20 32.8 +0.2
K22A	Casper	comp-Z,19nm,1.0s	Pn	08 20 31.1 +1.2
113A	Mohawk Valley,	16.58 129 ePn	P	08 20 35.1 +1.6
PV01	Paradox Valley	16.61 105 ePn	P	08 20 33.4 -0.8
WHY	Whitehorse	16.79 350 ePn	P	08 20 36.8 +1.0
X16A	Lo Mia Camp,	16.81 120 ePn	P	08 20 37.6 +1.3
MVCO	Mesa Verde	17.12 107 ePn	P	08 20 40.1 +0.3
MVCO	Mesa Verde	comp-Z,6.0nm,1.0s	P	08 20 39.3 -0.4
PCA	Pinnacle	17.23 341 ePn	P	08 20 42.1 +1.5
SMCO	Snowmass	17.28 99 ePn	P	08 20 41.1 -0.5
HYT	Haines Junctio	17.33 346 ePn	P	08 20 42.5 +0.6
N23A	Red Feather L	17.38 93 ePn	P	08 20 42.4 -0.3
N23A	Red Feather L	comp-Z,27nm,0.9s	Pn	08 20 41.6 +0.3
W18A	Petrified Fore	17.46 115 ePn	P	08 20 45.5 +2.0
W18A	Petrified Fore	comp-Z,21nm,0.9s	P	08 20 44.5 +1.1
PHWY	Pilot Hill	17.60 91 ePn	P	08 20 45.4 +0.3
DGMT	Dagmar	17.68 67 ePn	P	08 20 45.6 -0.1
DGMT	Dagmar	comp-Z,75nm,1.0s	Pn	08 20 45.0 +0.2
X18A	Snowflake	17.68 117 ePn	P	08 20 47.6 +1.7
214A	Org Pipe Nat	17.72 128 P	P	08 20 46.7 +0.4
RSSD	Black Hills	17.97 82 ePn	P	08 20 49.9 +0.8
RSSD	Black Hills	comp-Z,33nm,1.0s	Pmax	08 20 49.9 +0.8
RSSD	Black Hills	comp-Z,33nm,1.0s	Pmax	08 20 49.6 +0.5
ISCO	Idaho Springs	18.00 96 ePn	P	08 20 50.3 +0.7
ISCO	Idaho Springs	comp-Z,23nm,0.8s	Pmax	08 20 50.3 +0.7
ISCO	Idaho Springs	comp-Z,23nm,0.8s	Pmax	08 20 49.6 0.0
S22A	4UR Ranch, Cre	18.00 96 P	P	08 20 51.0 +1.3
S22A	4UR Ranch, Cre	comp-Z,22nm,1.1s	P	08 20 50.3 +0.6
TUC	Tucson	18.65 124 eP	Pn	08 20 58.6 +1.9
TUC	Tucson	comp-Z,8.6nm,1.0s	Pn	08 20 58.6 +1.9
TUC	Tucson	comp-Z,9.0nm,1.0s	Pmax	08 20 57.9 +1.1
Q24A	Divide	18.66 98 eP	Pn	08 20 57.9 +0.8
Q24A	Divide	comp-Z,24nm,1.1s	Pn	08 20 58.0 +0.9
SDCO	Great Sand Dun	18.94 102 eP	Pn	08 21 01.7 +1.1
SDCO	Great Sand Dun	comp-Z,39nm,1.0s	Pn	08 21 02.2 +1.7
LZ	Ladron	19.59 113 eP	Pn	08 21 10.1 +1.8
ANMO	Albuquerque	19.73 110 P	Pn	08 21 09.7 -0.2
ANMO	Albuquerque	comp-Z,0.1nm,0.3s,baz=301,slow=12,SNR=12	LR	08 29 08.7
ANMO	Albuquerque	comp-Z,763nm,20.3s,baz=302,slow=38	LR	08 21 10.1 +0.1
ANMO	Albuquerque	comp-Z,39nm,1.0s	Pmax	08 21 10.5 +0.6
ANMO	Albuquerque	comp-Z,17nm,1.7s	Pmax	08 21 10.3 +0.3
LENM	Lemitar	19.84 113 eP	Pn	08 21 11.9 +0.6
KDAK	Kodiak Island	19.89 321 LR	LR	08 26 54.6
Y22D	IRIS PASSCAL I	19.93 113 eP	Pn	08 21 13.5 +1.2
Y22D	IRIS PASSCAL I	comp-Z,307	Pn	08 21 13.3 +1.0
LPM	Los Pinos Moun	19.98 112 eP	Pn	08 21 12.7 -0.2
T25A	Trinidad	19.99 102 P	Pn	08 21 13.8 +0.8
T25A	Trinidad	comp-Z,51nm,1.1s	Pn	08 21 13.1 +0.1
BNM	Barren Site	20.08 113 eP	Pn	08 21 14.6 +0.5
YKA	Yellowknife Ar	20.12 20 P	Pn	08 21 12.7 +0.5
YKA	Yellowknife Ar	comp-Z,7.5nm,0.9s,baz=211,slow=11,SNR=14	LR	08 28 59.1
OGNE	Ogallala	20.18 90 eP	Pn	08 21 14.2 -0.8
OGNE	Ogallala	comp-Z,4nm,1.0s	P	08 21 14.1 +0.9
YKWS	Yellowknife Ar	20.18 20 eP	Pn	08 21 13.7 -1.0
319A	Douglas	20.21 123 eP	Pn	08 21 16.4 +0.9
121A	Cookes Peak, D	20.35 118 P	P	08 21 16.6 -0.6
FFC	Flin Flon	20.37 49 eP	Pn	08 21 16.3 -0.9
FFC	Flin Flon	comp-Z,104nm,1.1s	Pn	08 21 16.5 -0.6
KSCO	Kaye Shedlock'	20.44 96 eP	Pn	08 21 18.2 0.0
KSCO	Kaye Shedlock'	comp-Z,39nm,1.0s	Pn	08 21 16.8 +0.7
DAWY	Dawson	20.68 347 eP	Pn	08 21 19.9 -0.9
MDND	Maddock	20.73 70 eP	Pn	08 21 20.4 -1.0
MDND	Maddock	comp-Z,27nm,1.1s	P	08 21 19.3 +0.2
RC01	Rabbit Creek A	20.83 331 eP	Pn	08 21 22.6 +0.2
PMR	Palmer	20.98 333 eP	Pn	08 21 23.4 -0.7
PMR	Palmer	comp-Z,31nm,1.0s	Pmax	08 21 23.4 -0.8
PAX	Paxson	20.98 339 eP	Pn	08 21 24.4 +0.1
PAX	Paxson	comp-Z,16nm,1.0s	Pmax	

L39A	Vinton	27.00	81	P	P	08 22 20.0	-0.5
E39A	Mellen	27.02	72	P	P	08 22 20.5	-0.1
N39A	Derby Farms, D	27.03	84	eP	P	08 22 21.5	+0.7
N39A	Derby Farms, D	27.03	84	P	P	08 22 20.3	-0.5
M39A	Webster	27.07	83	P	P	08 22 21.0	-0.2
T38A	Diamond	27.24	93	P	P	08 22 22.9	+0.2
S38A	Stockton	27.26	92	P	P	08 22 23.1	+0.3
F40A	Park Falls	27.40	73	P	P	08 22 24.2	+0.2
K40A	Colesburg	27.44	80	P	P	08 22 24.6	+0.1
E40A	Wakefield	27.46	71	P	P	08 22 24.5	-0.1
G40A	Rib Lake	27.47	74	eP	P	08 22 25.9	+1.2
G40A	Rib Lake	27.47	74	P	P	08 22 25.1	+0.4
H40A	Chili	27.48	76	P	P	08 22 25.2	+0.4
I40A	Norwalk	27.49	77	P	P	08 22 25.2	+0.4
J40A	Soldiers Grove	27.53	78	P	P	08 22 25.5	+0.3
M40A	Post Highland	27.57	83	P	P	08 22 26.2	+0.7
L40A	Anamosa	27.57	81	eP	P	08 22 26.9	+1.3
L40A	Anamosa	27.57	81	P	P	08 22 26.2	+0.7
WHTX	Lake Whitney	27.58	106	eP	P	08 22 26.4	+0.7
WHTX	Lake Whitney	27.58	106	P	P	08 22 25.0	-0.7
S39A	Bolivar	27.65	91	P	P	08 22 26.5	+0.2
N40A	Mertquake, Sal	27.69	84	P	P	08 22 26.7	0.0
HHAR	Hobbs	27.83	94	eP	P	08 22 29.0	+1.0
T39A	Clever	27.90	93	P	P	08 22 28.6	0.0
I41A	Arkdale	27.98	76	eP	P	08 22 30.1	+1.0
I41A	Arkdale	27.98	76	P	P	08 22 29.5	+0.3
H41A	Junction City	27.99	75	eP	P	08 22 30.2	+0.9
H41A	Junction City	27.99	75	P	P	08 22 29.8	+0.2
JFWS	Jewell Farm	28.01	79	eP	P	08 22 29.8	+0.3
JFWS	Jewell Farm	28.01	79	P	P	08 22 29.8	+0.3
JFWS	Jewell Farm	28.01	79	P	P	08 22 29.6	+0.1
COWI	Conover	28.04	72	eP	P	08 22 30.8	+1.1
J41A	Loganville	28.05	78	P	P	08 22 30.1	+0.2
K41A	Shullsburg	28.06	80	P	P	08 22 30.2	+0.3
L41A	Preston	28.08	81	P	P	08 22 30.4	+0.3
E41A	Kenton	28.09	71	P	P	08 22 30.0	-0.2
U39A	Green Forest	28.11	94	P	P	08 22 31.1	+0.6
F41A	Three Lakes	28.13	73	eP	P	08 22 31.7	+1.1
F41A	Three Lakes	28.13	73	P	P	08 22 30.9	+0.4
G41A	Antigo	28.19	74	P	P	08 22 31.3	+0.2
A35B	Jarell	28.21	108	eP	P	08 22 32.6	+1.2
V39A	Pettigrew	28.25	95	P	P	08 22 32.2	+0.4
N41A	Harden Midland	28.27	84	eP	P	08 22 32.8	+1.0
M41A	Milan	28.27	82	P	P	08 22 31.8	0.0
O41A	Passleys Farm	28.45	85	P	P	08 22 33.4	0.0
W39A	Magazine	28.46	96	eP	P	08 22 34.5	+1.0
W39A	Magazine	28.46	96	P	P	08 22 33.8	+0.2
T40A	Mansfield	28.46	92	P	P	08 22 33.0	-0.6
P41A	Barry, Barry	28.49	86	P	P	08 22 33.8	0.0
833A	Chaparral WMA	28.55	114	eP	P	08 22 35.2	+0.8
X39A	Fountain Ranch	28.57	98	P	P	08 22 35.2	+0.7
U40A	Yellville	28.58	93	P	P	08 22 34.5	-0.1
Q41A	Truxton	28.64	87	P	P	08 22 35.4	+0.3
I42A	Draeger Farm	28.69	76	eP	P	08 22 36.8	+1.3
I42A	Draeger Farm	28.69	76	P	P	08 22 35.6	+0.1
J42A	Prairie Point	28.69	79	P	P	08 22 35.7	+0.2
K42A	Columbus	28.69	78	P	P	08 22 35.2	-0.4
L42A	Oliver, Polo	28.69	81	eP	P	08 22 36.5	+1.0
L42A	Oliver, Polo	28.69	81	P	P	08 22 35.8	+0.2
G42A	Mountain	28.70	74	eP	P	08 22 36.5	+0.9
G42A	Mountain	28.70	74	P	P	08 22 35.6	-0.1
F42A	Maple Grove Fa	28.79	72	P	P	08 22 36.6	+0.2
R41A	Rosebud	28.80	89	P	P	08 22 36.4	-0.1
H42A	Shiocton	28.80	75	P	P	08 22 36.2	-0.3
M42A	Sheffield	28.80	82	P	P	08 22 37.0	+0.4
E42A	Champion	28.81	71	P	P	08 22 36.9	+0.3
N42A	Yates City	28.81	83	P	P	08 22 36.8	+0.2
S41A	Jillico Farms	28.83	90	P	P	08 22 36.8	0.0
V40A	Witts Springs	28.86	94	eP	P	08 22 37.4	+0.2
V40A	Witts Springs	28.86	94	P	P	08 22 37.1	-0.1
MIAR	Mount Ida	28.93	97	eP	P	08 22 38.8	+1.0
MIAR	Mount Ida	28.93	97	P	P	08 22 38.8	+1.0
MIAR	Mount Ida	28.93	97	P	P	08 22 38.5	+0.7
W40A	Ferguson Farm	28.97	96	eP	P	08 22 39.2	+1.1
W40A	Ferguson Farm	28.97	96	P	P	08 22 38.4	+0.3
O42A	Bath	29.00	84	P	P	08 22 38.2	-0.1
P42A	Winchester	29.04	86	eP	P	08 22 39.2	+0.5
P42A	Winchester	29.04	86	P	P	08 22 38.3	-0.3
T41A	Mountain View	29.05	91	P	P	08 22 39.2	+0.3
Q42A	Golden Eagle	29.16	87	P	P	08 22 39.5	-0.2
J43A	Natural Harves	29.17	77	P	P	08 22 39.6	-0.2
G43A	Wallace	29.21	73	eP	P	08 22 41.0	+0.8
G43A	Wallace	29.21	73	P	P	08 22 40.1	0.0

R42A	Luebbering	29.22	88	P	P	08 22 40.3	-0.1
I43A	Langenfeld Bro	29.22	76	P	P	08 22 40.2	-0.1
U41A	Vio	29.25	93	P	P	08 22 40.5	-0.2
H43A	Windswept, Lux	29.34	75	eP	P	08 22 42.1	+0.8
H43A	Windswept, Lux	29.34	75	P	P	08 22 41.4	+0.1
V41A	Mountainview	29.34	94	P	P	08 22 41.0	-0.5
HDIL	Hopedale	29.43	83	eP	P	08 22 43.3	+1.1
HDIL	Hopedale	29.43	83	P	P	08 22 42.6	+0.5
S42A	Caledonia	29.43	89	P	P	08 22 41.4	-0.8
E43A	Lone Tree Farm	29.44	71	P	P	08 22 42.1	-0.1
SLM	Saint Louis	29.48	87	eP	P	08 22 42.9	+0.3
SLM	Saint Louis	29.48	87	P	P	08 22 42.9	+0.3
WHAR	Woolly Hollow	29.48	95	eP	P	08 22 43.3	+0.7
O43A	Sue Creek Fa	29.52	84	P	P	08 22 42.7	-0.2
T42A	Van Buren	29.54	91	eP	P	08 22 43.1	0.0
T42A	Van Buren	29.54	91	P	P	08 22 42.6	-0.5
W41B	Gary Mavity, V	29.57	95	eP	P	08 22 44.0	+0.7
W41B	Gary Mavity, V	29.57	95	P	P	08 22 42.9	-0.5
P43A	Skaggs, Pawnee	29.60	85	P	P	08 22 42.7	-1.0
WLAR	White Oak Lake	29.70	98	eP	P	08 22 45.9	+1.3
U42A	Reviden	29.74	92	P	P	08 22 44.3	-0.6
Q43A	New Douglas	29.74	86	P	P	08 22 44.1	-0.8
L44A	Lake County Fo	29.88	79	P	P	08 22 44.6	-1.5
V42A	Cord	29.88	93	P	P	08 22 45.6	-0.5
HKT	Hoeyman	29.91	107	eP	P	08 22 48.3	+1.9
HKT	Hockley	29.91	107	P	P	08 22 48.3	+1.9
F44A	Bay de Noc	29.92	71	P	P	08 22 45.0	-1.4
140A	Cam and Jess,	29.93	101	eP	P	08 22 48.1	+1.5
140A	Cam and Jess,	29.93	101	P	P	08 22 46.6	0.0
Y41A	Eaglette Beard	29.96	98	P	P	08 22 46.9	0.0
S43A	Fulton Ridge,	30.04	89	P	P	08 22 47.1	-0.4
T43A	Greenville	30.09	90	P	P	08 22 47.2	-0.8
PBMO	Poplar Bluff	30.13	91	eP	P	08 22 48.3	0.0
O44A	Mansfield	30.17	83	P	P	08 22 49.0	+0.3
N44A	Piper City	30.18	82	P	P	08 22 48.6	-0.1
Q44A	Meyer Farm, Va	30.25	86	P	P	08 22 49.1	-0.3
P44A	Sand Creek, Wi	30.31	85	P	P	08 22 50.3	+0.3
R44A	Waltonville	30.47	87	P	P	08 22 51.4	+0.1
S44A	Carbondale	30.57	88	P	P	08 22 52.8	+0.6
F45A	CMU Biological	30.60	72	P	P	08 22 52.6	+0.2
O45A	Potomac	30.66	83	P	P	08 22 53.2	+0.2
Q45A	Warren Harvey,	30.87	86	P	P	08 22 54.7	-0.2
LNIG	Linares	30.88	119	eP	P	08 22 55.0	0.0
P45A	Graceland, Par	30.92	84	eP	P	08 22 56.0	+0.7
P45A	Graceland, Par	30.92	84	P	P	08 22 55.3	0.0
341A	Kurthwood	30.95	102	P	P	08 22 56.0	+0.4
OLIL	Olney	30.97	86	eP	P	08 22 56.4	+0.6
R45A	Skyler, Fairfri	31.02	87	P	P	08 22 56.1	-0.2
SFIN	Lafayette	31.06	82	eP	P	08 22 57.7	+1.1
SFIN	Lafayette	31.06	82	P	P	08 22 56.4	-0.2
L46A	Eue Claire	31.07	79	P	P	08 22 56.7	+0.1
F46A	Macinaw City C	31.09	71	P	P	08 22 56.6	-0.2
U44B	Burton Farm, H	31.10	91	P	P	08 22 57.4	+0.5
J46A	Howard City	31.12	76	P	P	08 22 57.2	+0.2
N46A	Monticello	31.14	81	P	P	08 22 57.4	+0.2
K46A	Dor	31.22	77	P	P	08 22 58.1	+0.2
M46A	Old House Fiel	31.23	80	P	P	08 22 58.5	+0.4
P46A	Rosedale	31.27	84	P	P	08 22 58.5	+0.1
Y44A	Strider, Charl	31.63	96	P	P	08 23 02.2	+0.6
S46A	Don Dixon Farm	31.68	87	P	P	08 23 02.1	+0.1
J47A	Sumner	31.72	76	P	P	08 23 02.7	+0.3
O47A	Sheridan	31.77	82	P	P	08 23 02.8	0.0
W45A	Hickory Valley	31.77	93	P	P	08 23 03.2	+0.4
K47A	Vermontville	31.77	77	P	P	08 23 03.3	+0.5
L47A	Sherwood	31.85	79	P	P	08 23 03.7	+0.2
N47A	Urbana	31.88	81	P	P	08 23 03.7	-0.1
OXF	Oxford	31.93	94	eP	P	08 23 05.5	+1.3
OXF	Oxford	31.93	94	P			

052A	Adamsville	comp=Z,18nm,1.1s	34.90	80	P	P	08 23 30.4 +0.3
052A	Adamsville	baz=293	34.90	80	P	P	08 23 28.7 -1.4
U51A	La Follette	baz=297	34.91	87	P	P	08 23 29.7 -0.5
W51A	Cleveland	baz=299	34.95	90	P	P	08 23 30.5 -0.1
Q52A	Bidwell	baz=294	35.05	82	P	P	08 23 30.9 -0.5
Z50A	Ashland	comp=Z,15nm,1.0s	35.06	93	eP	P	08 23 32.0 +0.4
Z50A	Ashland	baz=301,SNR=8.0	35.06	93	P	P	08 23 31.4 -0.2
X51A	Calhoun	comp=Z,23nm,0.9s	35.17	91	eP	P	08 23 33.3 +0.8
X51A	Calhoun	baz=300	35.17	91	P	P	08 23 32.1 -0.3
349A	Repton	baz=304	35.17	97	P	P	08 23 32.1 -0.4
TZTN	Tazewell	baz=297	35.17	87	P	P	08 23 30.9 -1.6
SADO	Sadowa	comp=Z,29nm,1.0s	35.18	71	eP	P	08 23 32.8 +0.4
TS2A	Hallie	baz=297	35.32	85	P	P	08 23 33.3 -0.5
150A	Eclectic	baz=300,SNR=6.8	35.33	94	P	P	08 23 34.3 +0.4
Y51A	Rockmart	baz=300,SNR=5.5	35.35	92	P	P	08 23 34.3 +0.3
U52A	Thorn Hill	baz=297	35.37	87	P	P	08 23 33.8 -0.5
VLD0	Vai d'Or	comp=Z,5.8nm,0.8s	35.42	65	eP	P	08 23 32.6 -1.8
P53A	Whipple	comp=Z,7.7nm,0.8s	35.46	81	eP	P	08 23 36.7 +1.8
P53A	Whipple	baz=284	35.46	81	P	P	08 23 34.9 0.0
250A	Grady	baz=303	35.49	95	P	P	08 23 35.6 +0.4
ALLY	Alegheny Cole	comp=Z,32nm,1.0s	35.52	77	eP	P	08 23 36.0 +0.6
Z51A	Franklin	baz=301	35.57	93	P	P	08 23 35.7 -0.2
W52A	Murphy	baz=299	35.58	89	P	P	08 23 35.3 -0.7
350A	Dozier	baz=304	35.74	96	P	P	08 23 37.6 +0.2
X52A	Dahlonaga	baz=300	35.84	90	P	P	08 23 38.4 +0.1
151A	Opelika	baz=302	35.87	94	P	P	08 23 38.4 -0.1
N54A	Moraine State	comp=Z,16nm,0.9s	35.88	78	eP	P	08 23 38.9 +0.4
N54A	Moraine State	baz=292,SNR=6.1	35.88	78	P	P	08 23 38.6 +0.1
M54A	Oil Creek Stat	comp=Z,20nm,0.9s	35.90	77	eP	P	08 23 39.5 +0.8
M54A	Oil Creek Stat	baz=292	35.90	77	P	P	08 23 38.9 +0.1
U53A	Fall Branch	baz=298	35.95	86	P	P	08 23 39.0 -0.2
Y51A	Midway	baz=303	36.04	95	P	P	08 23 39.7 -0.3
Z52A	Lilburn	comp=Z,22nm,1.1s	36.09	91	eP	P	08 23 41.0 +0.6
Y52A	Lilburn	baz=300	36.09	91	P	P	08 23 40.6 +0.2
W53A	Culowhee	baz=299	36.09	88	P	P	08 23 40.0 -0.5
V53A	Saluda	baz=298	36.11	87	P	P	08 23 40.1 -0.5
Z52A	Williamson	baz=301	36.18	92	P	P	08 23 41.3 +0.1
152A	Waverly Hall	baz=302	36.23	93	P	P	08 23 42.1 +0.5
X53A	Estanolee	baz=300	36.32	90	P	P	08 23 42.8 +0.4
Y53A	Monroe	baz=300	36.44	91	P	P	08 23 43.5 +0.1
252A	Lumpkin	baz=303	36.58	94	P	P	08 23 44.3 -0.2
352A	Blakely	baz=303	36.72	95	P	P	08 23 45.4 -0.4
Z53A	Monticello	baz=301	36.74	91	P	P	08 23 44.8 -1.1
GOGA	Godfrey	baz=301	36.74	91	P	P	08 23 45.1 -0.9
Y53A	Americus	baz=303	36.98	94	P	P	08 23 47.5 -0.5
254A	Tignall	baz=300	37.08	90	P	P	08 23 48.2 -0.6
BLA	Blacksburg	baz=297	37.11	84	P	P	08 23 48.6 -0.6
O56A	Blue Knob Stat	baz=293	37.14	78	P	P	08 23 49.2 -0.2
353A	Camilla	baz=303	37.30	95	P	P	08 23 50.4 -0.3
SSPA	Standing Stone	comp=Z,8nm,1.1s	37.48	77	eP	P	08 23 53.0 -0.9
SSPA	Standing Stone	baz=293	37.48	77	P	P	08 23 51.3 -0.9
254A	Abbeville	baz=303	37.64	93	P	P	08 23 52.7 -0.9
JSC	Jenkinsville	comp=Z,20nm,1.2s	37.89	88	eP	P	08 23 56.0 +0.3
JSC	Jenkinsville	baz=291	37.89	88	eP	P	08 23 56.0 +0.3
BINY	Binghamton	comp=Z,20nm,1.2s	38.21	74	P	P	08 23 57.8 -0.5
LONY	Lake Ozonia	baz=292	38.32	70	P	P	08 23 58.8 -0.4
R58B	Mineral	baz=296	38.59	81	P	P	08 24 01.2 -0.3
MVL	Millersville	comp=Z,9.9nm,0.8s	38.81	77	eP	P	08 24 03.9 +0.6
N59A	State Game Lan	comp=Z,17nm,1.1s	38.84	76	eP	P	08 24 03.8 +0.1
N59A	State Game Lan	baz=293,SNR=5.2	38.84	76	P	P	08 24 03.6 -0.1
FRNY	Flat Rock	comp=Z,21nm,1.0s	38.91	69	eP	P	08 24 04.2 0.0
LUPA	Lehigh Unvers	comp=Z,1.6nm,0.9s	39.25	76	eP	P	08 24 07.7 +0.7
ODNJ	Ogdensburg	comp=Z,19nm,1.1s	39.59	75	eP	P	08 24 10.2 +0.3
656A	Willston	comp=Z,7.2nm,0.5s	39.61	96	eP	P	08 24 10.5 +0.4
MOQ	Mont Orford	baz=291	39.65	68	eP	P	08 24 10.5 +0.1
LBNH	Lisbon	comp=Z,16nm,1.1s, baz=316,slow=5.2,SNR=3.3	40.24	69	P	P	08 24 15.0 -0.2
SCHQ	Schefferville	comp=Z,16nm,1.1s, baz=316,slow=5.2,SNR=3.3	40.48	52	P	P	08 24 16.6 -0.5
SCHQ	Schefferville	baz=291	40.48	52	P	P	08 24 16.6 -0.5
PKMO	Peaks-Kenny Pk	comp=Z,7.54nm,21.2s, baz=283,slow=36	41.63	67	P	P	08 24 26.8 +0.2
WVL	Waterville	comp=Z,9.9nm,0.8s	41.64	68	eP	P	08 24 27.5 +0.8
GGN	Saint George	comp=Z,18nm,1.1s	42.29	66	eP	P	08 24 40.9 +0.7
SEY	Seymchan	46.84 322j	eP	P	P	08 25 08.7 +0.5	
PEA1	Petropavlovsk	47.14 308	eP	P	P	08 25 10.9 +0.3	
PETK	Petropavlovsk	47.14 308	eP	P	P	08 25 10.9 +0.3	
PETK	Petropavlovsk	comp=Z,5.5nm,0.8s, baz=81,slow=9.2,SNR=3.7	47.14	308	P	P	08 25 10.9 +0.3
SUMG	Summit	comp=Z,100nm,21.1s, baz=80,slow=32	48.65	24	eP	P	08 25 22.7 +0.2
SUMG	Summit	comp=Z,63nm,1.1s	48.65	24	eP	P	08 25 22.7 +0.2
SUMG	Summit	comp=Z,48nm,0.8s	48.65	24	eP	P	08 25 22.7 +0.2
SUMG	Summit	comp=Z,63nm,1.1s	48.65	24	eP	P	08 25 22.7 +0.2
DAG	Danmarks Havn	comp=Z,16nm,1.2s	51.76	16	iP	P	08 25 45.0 -0.6
DAG	Danmarks Havn	baz=291	51.76	16	iP	P	08 25 45.0 -0.6
TIXI	Tiksi	comp=Z,25nm,1.2s	52.24	337j	eP	P	08 25 48.2 -1.0
TIXI	Tiksi	comp=Z,8.0nm,1.0s	52.24	337j	eP	P	08 25 48.2 -1.0
TAOE	Nuku Hiva Isla	comp=Z,337nm,26.7s	53.80	194	eLR	LR	08 41 11.7
TAOE	Nuku Hiva Isla	comp=Z,55nm,0.2s	53.80	194	eT	T	08 23 39.3
H11N3	WAKE ISLAND Hy	57.98 267	T	T	T	08 29 04.3	

H11N2	WAKE ISLAND Hy	57.98 267	T	T	T	08 29 56.7	
H11N1	WAKE ISLAND Hy	57.98 267	T	T	T	08 29 57.8	
YSS	Yuzh-Sakhalins	58.49 307j	eP	P	P	08 26 35.1 +0.6	
YSS	Yuzh-Sakhalins	comp=Z,10.0nm,0.5s	58.49	307j	eP	P	08 26 35.1 +0.6
H11S1	WAKE ISLAND Hy	58.91 266	T	T	T	08 30 10.9	
H11S2	WAKE ISLAND Hy	58.92 266	T	T	T	08 30 13.8	
H11S3	WAKE ISLAND Hy	58.93 266	T	T	T	08 30 15.4	
GRNR	Gorny	59.88 313	eP	P	P	08 26 39.1 -5.1	
PMOR	PMoratorio Ree	61.42 201	eT	T	T	08 30 08.7	
VAH	Vaihoo	61.57 200	eT	T	T	08 30 11.6	
ROSC	Ei Rosal	61.90 113	LR	LR	LR	08 55 46.4	
ZEA	Zeya	62.69 319	eP	P	P	08 27 03.4 +0.3	
OTAV	Otavalo	62.72 120	eP	P	P	08 27 05.4 +1.0	
OTAV	Otavalo	comp=Z,4.1nm,1.1s	62.72	120	eP	P	08 27 05.4 +1.0
OTAV	Otavalo	comp=Z,4.0nm,1.1s	62.72	120	eP	P	08 27 05.4 +1.0
KLR	Kul'dur	63.23 314	LR	LR	LR	08 52 53.4	
KLR	Kul'dur	comp=Z,44nm,19.9s, baz=50,slow=34	63.23	314	LR	LR	08 27 07.6 +0.8
NRIK	Norik	63.53 346	P	P	P	08 27 07.4 -1.1	
NRIK	Norik	comp=Z,8.5nm,0.9s, baz=31,slow=24,SNR=14	63.53	346	P	P	08 27 07.4 -1.1
NRIK	Norik	comp=Z,66nm,18.5s, baz=236,slow=38	63.53	346	P	P	08 27 07.4 -1.1
TIAR	Tiare	64.24 201	eT	T	T	08 36 40.3	
PP2T	Papeete2	64.33 202	eLQ	LQ	LQ	08 43 20.2	
PP2T	Papeete2	comp=Z,5.72nm,26.9s	64.33	202	eLQ	LQ	08 43 20.2
PP2T	Papeete2	comp=Z,326nm,26.2s	64.33	202	eLR	LR	08 46 06.2
PP2T	Papeete2	comp=Z,4.5nm,0.3s	64.33	202	eT	T	08 36 46.9
PAE	Paea	64.40 202	eT	T	T	08 36 52.2	
TVO	Taravao	64.43 201	eT	T	T	08 35 67.9	
ARAO	ARCESS Array S	64.99 10	eP	P	P	08 27 16.6 -1.4	
ARCES	ARCESS Array B	64.99 10	eP	P	P	08 27 16.6 -1.4	
BOD	Bodaibo	65.56 328	eP	P	P	08 27 20.3 -1.6	
BOD	Bodaibo	comp=Z,10.0nm,1.3s	65.56	328	eP	P	08 27 20.3 -1.6
USRK	Ussuriysk Ar.	66.22 309	P	P	P	08 27 26.6 +0.3	
USRK	Ussuriysk Ar.	comp=Z,2.0nm,0.8s, baz=35,slow=7.0,SNR=8.4	66.22	309	P	P	08 27 26.6 +0.3
RKT	Rikitea	67.27 186	eLQ	LQ	LQ	08 44 32.2	
RKT	Rikitea	comp=Z,45nm,19.8s, baz=33,slow=35	67.27	186	eLQ	LQ	08 44 32.2
RKT	Rikitea	comp=Z,6.8nm,0.3s	67.27	186	eT	T	08 40 29.3
MJAR	Matsushiro Arr	67.34 299	P	P	P	08 27 33.5 -0.2	
MJAR	Matsushiro Arr	comp=Z,1.2nm,0.6s, baz=51,slow=4.8,SNR=3.1	67.34	299	P	P	08 27 33.5 -0.2
MAJO	Matsushiro	67.34 299	eP	P	P	08 27 33.5 -0.2	
MAJO	Matsushiro	comp=Z,63nm,22.0s, baz=70,slow=31	67.34	299	eP	P	08 27 33.5 -0.2
MAJO	Matsushiro	comp=Z,4.0nm,0.9s	67.34	299j	eP	P	08 27 33.2 -0.5
HIA	Hailar	69.16 319j	eP	P	P	08 27 45.0 +0.1	
HIA	Hailar	comp=Z,3.0nm,0.9s	69.16	319j	eP	P	08 27 45.0 +0.1
TBI	Tubuai	69.81 200	eLQ	LQ	LQ	08 45 29.1	
TBI	Tubuai	comp=Z,260nm,29.0s	69.81	200	eLQ	LQ	08 45 29.1
TBI	Tubuai	comp=Z,259nm,30.0s	69.81	200	eT	T	08 43 38.4
CN2	Changchun	70.05 312	eP	P	P	08 27 53.5 +3.1	
CN2	Changchun	comp=Z,10.0nm,0.8s	70.05	312	eP	P	08 27 53.5 +3.1
NB2	NORSAR Subarra	70.22 19	P	P	P	08 27 50.7 -0.5	
NB200	NORSAR Array B	70.22 19	P	P	P	08 27 50.2 -1.0	
NOA	NORSAR Array B	70.22 19	P	P	P	08 27 50.2 -1.0	
FIA1	FINES Array S	72.75 12	eP	P	P	08 28 05.3 -1.0	
FIA1	FINES Array S	comp=Z,3.4nm,0.9s, baz=332,slow=5.9,SNR=6.1	72.75	12	eP	P	08 28 05.3 -1.0
FIA0	FINES Array S	72.75 12	eP	P	P	08 28 05.7 -0.6	
FIA0	FINES Array S	72.75 12	eP	P	P	08 28 05.8 -0.6	
FINES	FINES Array B	72.75 12	eP	P	P	08 28 05.8 -0.6	
FINES	FINES Array B	comp=Z,16nm,1.1s, baz=1.9,slow=5.7,SNR=12	72.75	12	eP	P	08 28 05.8 -0.6
KSR5	Korea Array	72.97 306	P	P	P	08 28 08.8 +0.7	
KSR5	Korea Array	comp=Z,1.5nm,0.7s, baz=67,slow=6.3,SNR=5.2	72.97	306	P	P	08 28 08.8 +0.7
KS01	Wonju Array Si	72.97 306	eP	P	P	08 28 07.4 -0.7	
KSAR	Wonju Array Be	73.00 306	P	P	P	08 28 08.8 +0.5	
KSAR	Wonju Array Be	comp=Z,6.2nm,0.9s	73.00	306	P	P	08 28 08.8 +0.5
JNU	Nakha	74.13 301	LR	LR	LR	08 58 57.1	
PRGR	Perngore	74.37 3	P	P	P	08 28 14.8 -1.1	
PRGR	Perngore	comp=Z,38nm,0.9s	74.37	3	P	P	08 28 14.8 -1.1
VSU	Vasula	75.69 13f	eP	P	P	08 28 22.4 -1.2	
VSU	Vasula	comp=Z,42nm,1.2s	75.69	13f	eP	P	08 28 22.4 -1.2
PTGA	Pitinga	75.71 105	eP	P	P	08 28 24.7 +0.3	
ULN	Ulaanbaatar	75.83 325f	eP	P	P		

Table with columns for flight codes (e.g., JHO, JYA, JYB), destinations (e.g., Hitachi, Atsumi, Shizuoka), times, and status indicators (e.g., Pn, Sn, P, S).

Table with columns for flight codes (e.g., CN2, NK1, DL2), destinations (e.g., Z, 700nm, 19.0s), times, and status indicators (e.g., LR, P, S).

Table with columns for flight codes (e.g., SONA1, SONM, SONN), destinations (e.g., Songrio Array, Songrio Array, Enshi), times, and status indicators (e.g., P, P, P).

3d 9h

Table with columns: ID, Name, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like NRK, LSA, SRK, SHL, MK01, etc.

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Table with columns: ID, Name, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like DLBC, AB31, ABKAR, etc.

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Table with columns: ID, Name, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like ZEI, KIV, KBZ, etc.

3d 9h

L36A	baz=319,SNR=8.5	85.00	39	P	P	09 52 29.8 +0.1
H40A	Chill	85.09	35	P	P	09 52 30.2 +0.1
G41A	Antigo	85.16	34	P	P	09 52 30.5 +0.1
E43A	Lone Tree Farm	85.16	32	P	P	09 52 30.4 +0.1
I39A	Houston	85.17	36	eP	P	09 52 30.4 -0.1
I39A	Houston	85.17	36	eP	P	09 52 30.3 -0.1
FUORH	Oftopass-Fuorn	85.23	329	eP	P	09 52 32.2 +1.2
H41A	Junction City	85.42	34	P	P	09 52 31.8 +0.1
G42A	Mountain	85.46	33	P	P	09 52 31.8 -0.1
J39A	Decorah	85.48	36	P	P	09 52 31.5 -0.5
I40A	Norwalk	85.55	35	P	P	09 52 32.6 +0.2
F44A	Big Bay de Noc	85.72	32	P	P	09 52 33.5 +0.4
I41A	Arkdale	85.76	35	P	P	09 52 33.7 +0.3
G43A	Wallace	85.77	33	P	P	09 52 33.6 +0.2
SCIA	State Center	85.86	38	eP	P	09 52 35.0 +1.1
SCIA	State Center	85.86	38	eP	P	09 52 34.4 +0.5
J40A	Soldiers Grove	85.88	36	P	P	09 52 33.5 -0.5
K39A	Delweim	85.88	37	P	P	09 52 33.6 -0.4
H42A	Shiocton	86.00	34	P	P	09 52 34.9 +0.4
TAOE	Nuku Hiva Isla	86.01	104	eLR	LR	10 19 49.0
TAOE	Nuku Hiva Isla	86.01	104	eT	T	11 27 31.0
J41A	Loganville	86.24	35	P	P	09 52 35.8 0.0
K40A	Colesburg	86.24	36	P	P	09 52 35.6 -0.1
KSU1	Kansas State U	86.24	42	eP	P	09 52 36.3 +0.4
KSU1	Kansas State U	86.24	42	eP	P	09 52 35.8 -0.1
L39A	Vinton	86.28	37	P	P	09 52 35.9 -0.1
I42A	Drager Farm	86.32	34	P	P	09 52 36.3 +0.1
F45A	CMU Biological	86.33	31	P	P	09 52 36.3 +0.1
H43A	Windswept, Lux	86.36	33	P	P	09 52 36.8 +0.5
MNTX	Cornudas Mount	86.45	52	eP	P	09 52 37.6 +0.5
MNTX	Cornudas Mount	86.45	52	eP	P	09 52 53.0 -3.3
MNTX	Cornudas Mount	86.45	52	eP	P	09 52 37.6 +0.5
MSTX	Muleshoe	86.47	49	P	P	09 52 37.3 +0.3
AMTX	Amarillo	86.47	48	eP	P	09 52 38.5 +1.3
AMTX	Amarillo	86.47	48	eP	P	09 52 38.0 +0.8
JFWS	Jewell Farm	86.48	36	P	P	09 52 37.1 +0.1
F46A	Macinaw City C	86.56	31	P	P	09 52 37.5 +0.2
J42A	Columbus	86.68	35	P	P	09 52 37.8 -0.1
M39A	Webster	86.69	38	P	P	09 52 38.2 +0.2
L40A	Anamosa	86.69	37	eP	P	09 52 38.4 +0.3
L40A	Anamosa	86.69	37	eP	P	09 52 38.0 0.0
K41A	Shullsburg	86.69	36	P	P	09 52 38.1 +0.1
J43A	Natural Harves	86.94	34	P	P	09 52 39.2 0.0
N39A	Derby Farms, D	86.99	38	eP	P	09 52 40.3 +0.8
N39A	Derby Farms, D	86.99	38	eP	P	09 52 39.9 +0.4
K42A	Prairie Point,	87.00	35	P	P	09 52 39.4 -0.2
L41A	Preston	87.02	36	P	P	09 52 39.6 0.0
N40A	Mertquake, Sal	87.43	38	P	P	09 52 42.0 +0.4
M41A	Milan	87.55	37	P	P	09 52 42.3 +0.2
N41A	Hooks Store, C	87.89	40	P	P	09 52 43.6 -0.3
Q38A	Carden Midland	87.92	37	P	P	09 52 43.9 -0.1
N42A	Yates City	88.21	37	P	P	09 52 45.5 +0.2
M43A	Waltham Townsh	88.23	36	P	P	09 52 45.7 +0.3
WMOK	Wichita Mounta	88.24	46	eP	P	09 52 46.0 +0.3
WMOK	Wichita Mounta	88.24	46	eP	P	09 52 46.0 +0.3
WMOK	Wichita Mounta	88.24	46	eP	P	09 52 46.0 +0.3
WMOK	Wichita Mounta	88.24	46	eP	P	09 52 46.0 +0.3
WMOK	Wichita Mounta	88.24	46	eP	P	09 52 46.0 +0.3
O41A	Passleys Farm,	88.36	38	P	P	09 52 47.1 +0.3
N43A	Stutzman Famil	88.53	36	P	P	09 52 47.1 +0.3
J47A	Sumner	88.61	32	P	P	09 52 47.5 +0.3
M44A	Barry, Barry	88.62	38	P	P	09 52 47.7 +0.4
M44A	Barry, Barry	88.62	38	P	P	09 52 47.7 +0.4
M44A	Barry, Barry	88.62	38	P	P	09 52 47.7 +0.4
TBI	Tubuai	88.69	121	eT	T	11 30 50.9
S38A	Stockton	88.75	41	P	P	09 52 47.8 -0.2
HDIL	Hopedale	88.77	36	eP	P	09 52 48.9 +0.8
HDIL	Hopedale	88.77	36	eP	P	09 52 48.5 +0.5
L46A	Eue Claire	88.97	34	P	P	09 52 49.2 +0.3
O43A	Sugar Creek Fa	88.98	37	P	P	09 52 49.3 +0.4
T38A	Diamond	89.00	42	P	P	09 52 49.0 -0.2
K47A	Vermontville	89.00	33	P	P	09 52 49.4 +0.3
S39A	Bolivar	89.01	41	eP	P	09 52 49.2 0.0
S39A	Bolivar	89.01	41	eP	P	09 52 48.8 -0.4
P42A	Winchester	89.03	38	eP	P	09 52 49.7 +0.5
P42A	Winchester	89.03	38	eP	P	09 52 49.4 +0.2
TUL1	Leonard	89.04	43	P	P	09 52 49.6 +0.3
M45A	Boilermakers S	89.05	35	P	P	09 52 49.1 -0.2
Q41A	Truxton	89.09	39	P	P	09 52 50.0 +0.5
N44A	Piper City	89.12	36	P	P	09 52 50.0 +0.4
TX31	Lajitas Ar. Si	89.14	53	eP	P	09 52 50.6 +0.5
TXAR	Lajitas Array	89.14	53	eP	P	09 52 50.7 +0.6
K48A	Perry	89.26	32	P	P	09 52 50.7 +0.5
ABTX	Abilene, Hawke	89.27	48	eP	P	09 52 51.2 +0.7
ABTX	Abilene, Hawke	89.27	48	eP	P	09 52 51.0 +0.5
N45A	Kentland	89.36	35	P	P	09 52 50.5 -0.3
P43A	Skaggs, Pawnee	89.39	37	P	P	09 52 51.1 +0.2

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Q42A	Golden Eagle	89.47	38	P	P	09 52 51.7 +0.4
O44A	Mansfield	89.48	36	P	P	09 52 51.4 +0.1
L47A	Shelwood	89.48	33	P	P	09 52 51.4 +0.1
T39A	Cleaver	89.48	41	P	P	09 52 51.5 +0.1
HPIG	comp=Z,3.9nm,0.8s	89.51	56	eP	P	09 52 52.4 +0.4
R41A	Rosebud	89.53	39	P	P	09 52 51.8 +0.3
N46A	Monticello	89.68	35	P	P	09 52 52.3 0.0
O45A	Potomac	89.75	36	P	P	09 52 53.2 +0.6
HHAR	Hobbs	89.75	42	eP	P	09 52 53.0 +0.3
R42A	Loebersing	89.83	39	P	P	09 52 53.5 +0.4
T40A	Mansfield	89.83	41	P	P	09 52 52.7 -0.4
L48A	N Adams	89.83	33	P	P	09 52 53.6 +0.6
S41A	Jilloco Farms,	89.89	40	P	P	09 52 53.4 0.0
U39A	Green Forest	89.92	42	P	P	09 52 53.4 -0.1
SFIN	Lafayette	89.93	35	P	P	09 52 53.7 +0.3
P44A	Sand Creek, Wi	89.95	37	P	P	09 52 53.7 +0.1
L49A	Milan	89.98	32	P	P	09 52 54.1 +0.5
M48A	Edgerton	90.09	33	P	P	09 52 54.4 +0.4
N47A	Urbana	90.16	34	P	P	09 52 54.6 +0.2
Q44A	Meyer Farm, Va	90.21	37	P	P	09 52 55.0 +0.3
S42A	Caledonia	90.23	39	P	P	09 52 55.2 +0.4
V39A	Pettigrew	90.24	42	P	P	09 52 55.0 0.0
R43A	Red Bud	90.26	38	P	P	09 52 54.9 -0.1
U40A	Yellville	90.27	41	P	P	09 52 55.2 +0.1
T41A	Mountain View	90.30	40	P	P	09 52 55.2 0.0
P45A	Graceland, Par	90.31	36	P	P	09 52 55.5 +0.3
M49A	Liberty Center	90.42	33	P	P	09 52 55.4 -0.3
O47A	Sheridan	90.46	35	P	P	09 52 55.9 -0.1
N48A	Decatur	90.47	34	P	P	09 52 56.0 +0.1
P46A	Rosedale	90.49	36	P	P	09 52 56.4 +0.3
Q45A	Warren Harvey,	90.62	37	P	P	09 52 57.0 +0.4
T42A	Van Buren	90.65	40	eP	P	09 52 57.3 +0.5
T42A	Van Buren	90.65	40	eP	P	09 52 56.9 +0.1
W39A	Magazine	90.66	43	P	P	09 52 57.0 +0.1
R44A	Waltonville	90.69	38	P	P	09 52 57.2 +0.2
V40A	Witts Springs	90.70	42	eP	P	09 52 57.3 +0.1
V40A	Witts Springs	90.70	42	eP	P	09 52 57.1 -0.1
JCT	Junction City	90.71	50	eP	P	09 52 57.7 +0.4
JCT	Junction City	90.71	50	eP	P	09 52 57.7 +0.4
JCT	Junction City	90.71	50	eP	P	09 52 57.5 +0.2
U41A	Vio	90.76	41	P	P	09 52 57.1 -0.2
O48A	Farmland	90.90	34	P	P	09 52 58.0 0.0
X39A	Fountain Ranch	91.00	43	P	P	09 52 58.8 +0.2
WHXT	Lake Whitney,	91.00	47	eP	P	09 52 59.7 +1.1
WHXT	Lake Whitney,	91.00	47	eP	P	09 52 59.2 +0.6
P47A	Martinsville	91.02	35	P	P	09 52 58.4 -0.1
W40A	Ferguson Farm,	91.04	42	eP	P	09 52 59.5 -2.8
W40A	Ferguson Farm,	91.04	42	eP	P	09 52 59.0 +0.3
S44A	Carbondale	91.05	38	P	P	09 52 58.9 +0.3
SIUC	Southern Hill	91.05	38	eP	P	09 52 59.5 +0.8
V41A	Mountainview	91.07	41	P	P	09 52 58.7 -0.1
U42A	Reyden	91.10	40	P	P	09 52 59.0 0.0
PBMO	Poplar Bluff	91.18	40	eP	P	09 52 60.0 +0.7
MIAR	Mount Ida	91.26	43	eP	P	09 53 00.4 +0.7
MIAR	Mount Ida	91.26	43	eP	P	09 53 00.4 +0.7
MIAR	Mount Ida	91.26	43	eP	P	09 53 00.2 +0.5
MIAR	Mount Ida	91.26	43	eP	P	09 53 00.2 +0.5
O49A	Covington	91.32	34	P	P	09 53 00.2 +0.3
Q47A	Bedord North L	91.40	36	P	P	09 53 00.5 +0.2
V42A	Cord	91.45	41	P	P	09 53 00.7 +0.2
W41B	Gary Mavity, V	91.49	42	eP	P	09 53 01.1 +0.4
W41B	Gary Mavity, V	91.49	42	eP	P	09 53 00.9 +0.2
O50A	Cable	91.66	33	P	P	09 53 02.0 +0.5
P49A	Miami Univ. Ec	91.68	34	P	P	09 53 01.9 +0.3
X40A	Basin Creek Fa	91.70	42	P	P	09 53 02.6 +0.8
Q48A	North Vernon	91.72	35	P	P	09 53 02.2 +0.5
Y40A	Okolona	91.82	43	P	P	09 53 02.9 +0.6
ACSO	Alum Creek Sta	91.86	33	P	P	09 53 02.9 +0.4
WCI	Wyandotte Cave	92.03	36	P	P	09 53 03.0 -0.2
O51A	Pataskala	92.10	33	P	P	09 53 03.5 0.0
M54A	Oil Creek Stat	92.16	30	P	P	09 53 03.9 +0.1
T46A	Princeton	92.22	38	P	P	09 53 04.5 +0.3
P51A	Wilmsport	92.45	33	P	P	09 53 05.1 -0.1
N54A	Moraine State	92.49	30	P	P	

3d 12h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Lists various stations like EVR, RLS, GOURA, etc.

NIED 03 11:04:00, 39.40N, 142.00E, h59km, Mw4.0 Best double couple: Mb 1.15000+1.0019, M1.11+1.00000, S36.00000, 1.136+0.0000, N2.140+0.0000, S65.00000, 0.6500000*
ISCJBJ 03 11:04:57.3, 0.5, 39.38N, 0.03, 142.06E, 0.06, h65km, 3km, mb3.9/2.0, Error ellipse: s-maj=8.7km s-min=3.9km az=21.8

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Lists stations like MIYJ, OFUJ, JTH, etc.

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Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Lists stations like KURK, ILAR, ILB, etc.

ISCJBJ 03 11:13:32.0, 0.5, 20.61S, 0.09, 177.6W, 0.1, h350km, mb3.9/1.3, Error ellipse: s-maj=17.5km s-min=8.4km az=32.2
IDD 03 11:13:35.2, 2.2, 20.58S, 177.61W, h366km, 23km, mb3.6/1.3, mb1.3/8.15, mb1.3mx3.7/2.6, mbtmp4.3/1.5, Error ellipse: s-maj=23.1km s-min=12.6km az=141.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Lists stations like AFI, AFI, URZ, etc.

ISCJBJ 03 11:36:30.0, 0.7, 6.81S, 0.06, 128.10E, 0.06, h309km, mb3.7/5, Error ellipse: s-maj=9.9km s-min=7.4km az=140.2
IDD 03 11:36:29.1, 1.3, 6.77S, 128.19E, h278km, 14km, mb3.4/5, mb1.3/6.9, mb1mx3.3/3.0, mbtmp4.2/9, Error ellipse: s-maj=18.4km s-min=13.3km az=102.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Lists stations like BATI, BATI, SIJI, etc.

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mb4.4/4.8, mb1mx4.1/23, mbtmp4.1/8, ML3.8/1, MS3.6/9, Ms1.3/6.9, ms1mx3.4/1.8, Error ellipse: s-maj=27.8km s-min=18.7km az=103.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Lists stations like PLCA, NNA, LPZA, etc.

MEX 03 12:02:44.5, 0.4, 15.90N, 97.21W, h43km, 21km, MD3.7, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Lists stations like PNIG, PNIG, HUIG, etc.

ISCJBJ 03 12:05:58.0, 2.2, 9.50N, 123.23E, h0km, mb3.6/4, mb1.3/8.4, mb1mx3.5/3.4, mbtmp3.6/2.8, MS2.8/2, Ms1.2/8.2, ms1mx2.4/3.1, Error ellipse: s-maj=224.7km s-min=24.3km az=63.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Lists stations like SNPH, GUIM, GUIM, etc.

ISC 03 12:22:35.9, 38.73N, 43.20E, h13km, ML2.6/4
ISCJBJ 03 12:22:37.4, 0.5, 39.37N, 0.02, 142.1E, 0.04, h21km, 6km, Error ellipse: s-maj=5.9km s-min=4.1km az=168.2
DDA 03 12:22:37.3, 38.72N, 43.18E, h7km, ML2.9
ISC 03 12:22:37.0, 0.9, 38.74N, 0.03, 142.0E, 0.04, h17km, 8km, n13, c056/23, Turkey

3d 13h

λ=90.00000°. Principal axes: T Plg35.0000°, Azm235.0000°, N Plg0.0000°, Azm0.0000°, P Plg55.0000°, Azm55.0000°; Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.55 MPa Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism.

NEIC Felt (III) on Nias and at Payakumbuh, Sumatra. MOS 03 13:32:35.8±1.0, 0:35S:97.75E, h20km, mbs.6/75, MS5.3/36 Error ellipse: s-maj=7.3km s-min=4.1km

Δz=11.8 BJI 03 13:32:35.3, 0:34S:97.71E, h10km, mbs.4/69, mbs.8/76, MS6.0/96, MS7.5/88

DJA 03 13:32:35.6±0.2, 0:32S:97.8E, h10km, M5.6/52, mbs.6/50, MLv5.9/19, Mw(mbs)5.5/50, Mwps.6/6

GCMT 03 13:32:36.9±0.1, 0:55S:01:97.25E±0.01, h14km, MW5.5/107, Moment Tensor Solution. s94,c155; s107,c228; Duration: 1s3 Moment tensor: Scale 1017 Nm; Mn:1.24±.03; M00:0.64±.02; M09:-0.59±.02; M03:0.53±.04; M06:0.58±.01; M07:1.38±.06; Best double couple couple: M0:1.91400x1017 NP1:0.1520000, 0.7100000, 1.10200000; NP2:0.3000000, 0.8220000, 1.6000000

Principal axes: T=1.9940, Plg63.0000, Azm60.0000; N=-0.1600, Plg111.0000, Azm328.0000; P=-1.0330, Plg25.0000, Azm233.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function

ISC 03 13:32:37.4±0.5, 0:43S:03:97.66E±0.03, h19km±1km, h19km; p-P, N1099, 0:196/961, mbs.5/224, MS5.5/384, 73C-14D, Southwest of Sumatra

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, h, m, s, Res. Lists various seismic stations like Pulau Batu, Gunungsitoli, Mandailing Nat, etc.

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Main table of seismic events with columns: Station Name, Time, Magnitude, Depth, Location, and various codes. Includes events like PLAI Plampang, MPSP Mapaga, TTSI Tana Toraja, etc.

MAT	Matsushiro	52.58	41	P	P	13 41 47.9	-2.2
MAT	Matsushiro	52.58	41	S	S	13 49 19.6	+3.1
MJB9	Matsushiro Tunnel	52.58	41	eP	S	13 41 49.1	-1.0
MJB9	comp=Z,125nm,1.8s			LR	LR		
MJAR	Matsushiro Arr	52.59	41	P	P	13 41 49.7	-0.4
MJAR	comp=Z,6.3nm,0.8s,baz=237,slow=7.5,SNR=12			LR	LR	14 07 03.7	
OPI	Ambohitrampoto	52.70	247	P	P	13 41 51.9	+0.5
GEYT	Alibeck	52.76	321	P	P	13 41 51.0	-0.4
GEYT	comp=Z,6.4nm,0.9s,baz=163,slow=6.2,SNR=14			LR	LR	14 07 13.4	
GyaOB	ALIBECK ARRAY	52.76	321	eP	P	13 41 50.0	-1.4
GyaOB	comp=Z,3um,19.0s			LR	LR		
IRK	Irkutsk	52.77	5	eP	P	13 41 51.5	+0.3
IRK	comp=Z,138nm,3.2s			eS	S	13 43 52.5	
IRK	comp=Z,138nm,3.2s			eS	S	13 49 20.0	+1.5
ABPO	Ambohimpnom	52.77	246	PFAKE	LR	13 42 00.0	+8.0
ABPO	comp=Z,2um,20.0s			LR	LR		
SEM	Sempalatinisk	52.78	346	eP	P	13 41 51.1	-0.4
SEM	comp=Z,135nm,3.0s			eS	S	13 49 19.5	+0.4
SEM	comp=Z,135nm,3.0s			LR	LR	14 06 30.9	
HIA	Hailar	53.03	18	eP	P	13 41 52.2	-1.0
HIA	comp=Z,65nm,1.2s			LR	LR		
HIA	Hailar	53.03	18	eP	P	13 41 52.2	-1.0
HIA	comp=Z,5um,18.0s			eP	P		
HIA	comp=Z,65nm,1.2s			MLR	MLR		
MDJ	Mudanjiang	53.06	28	P	P	13 41 54.2	+0.7
MDJ	comp=Z,2um,12.9s			pP	pP	13 41 57.4	-2.1
MDJ	comp=Z,2um,12.9s			sP	sP	13 41 58.6	-3.2
MDJ	comp=Z,2um,12.9s			PP	PP	13 43 54.2	+0.7
MDJ	comp=Z,2um,12.9s			S	S	13 49 26.8	+4.1
MDJ	comp=Z,2um,12.9s			sS	sS	13 49 31.4	-1.2
MDJ	comp=Z,48nm,1.7s			MLR	MLR		
MDJ	comp=Z,2um,12.9s			LR	LR		
MDJ	comp=Z,7um,15.9s			LR	LR		
MDJ	comp=Z,10um,16.7s			LR	LR		
MDJ	comp=Z,17um,13.1s			LR	LR		
MDJ	Mudanjiang	53.06	28	eP	P	13 41 53.1	-0.3
MDJ	comp=Z,45nm,1.1s			LR	LR		
OTUK	Ortayu	53.22	339	P	P	13 41 53.8	-0.8
OTUK	comp=Z,21nm,0.8s			pmax	pmax		
KURK	Kurchatov	53.47	345	eP	P	13 41 55.7	-0.6
KURK	comp=Z,104nm,1.5s			LR	LR		
KURK	Kurchatov	53.47	345	P	P	13 41 56.5	+0.1
KURK	comp=Z,3um,18.0s			SNR=27			
KURK	Kurchatov	53.47	345	eP	P	13 41 55.7	-0.6
KURK	comp=Z,104nm,1.5s			pmax	pmax		
KURK	comp=Z,3um,18.0s			MLR	MLR		
USA0B	USSuriysk Arra	53.92	30	eP	P	13 41 59.5	-0.3
USA0B	comp=Z,138nm,0.9s			LR	LR		
USA0B	comp=Z,4um,21.0s			LR	LR		
USRK	USSuriysk Ar	53.92	30	P	P	13 42 00.1	+0.3
USRK	comp=Z,7.9nm,0.7s,baz=231,slow=5.9,SNR=181			LR	LR	14 05 26.8	
CIT	Chita	53.95	12	eP	P	13 42 06.1	+6.2
CIT	comp=Z,135nm,1.5s			pmax	pmax		
BRZS	Berezniki	54.59	340	iP	P	13 42 04.3	-0.3
BRZS	comp=Z,97nm,2.6s			eS	S	13 49 44.1	+0.9
BRZS	comp=Z,97nm,2.6s			LR	LR	14 08 00.9	
DAMY	Dhamar	54.75	288	eP	P	13 42 06.9	+0.2
DAMY	comp=Z,515nm,14.8s			LR	LR		
ZAA0	Zalesovo Array	55.23	351	eP	P	13 42 08.3	-0.8
ZAA0	comp=Z,72nm,0.9s			LR	LR		
ZALV	Zalesovo Beam	55.23	351	P	P	13 42 08.9	-0.1
ZALV	comp=Z,1um,19.0s			S	S	13 49 54.0	+2.5
ZALV	comp=Z,65nm,0.9s,baz=185,slow=6.0,SNR=121			LR	LR	14 10 46.3	
ZALV	comp=Z,0.6nm,0.4s,baz=181,slow=7.2,SNR=3.9			LR	LR		
ZALV	comp=Z,936nm,18.4s,baz=164,slow=42			P	P	13 42 08.0	-1.1
ZALV	Zalesovo Beam	55.23	351	eP	P	13 49 54.0	+2.5
ZALV	comp=Z,1um,19.0s			S	S	13 42 08.0	-1.1
ZALV	Zalesovo Beam	55.23	351	eP	P	13 49 54.1	+2.5
ZALV	comp=Z,1um,19.0s			S	S	13 42 14.6	+1.1
ATD	Arta Tunnel	55.72	284	P	P	13 42 14.6	+1.1
ATD	comp=Z,8.7nm,0.8s,baz=78,slow=9.3,SNR=4.6			LR	LR		
RAYN	Ar Rayn	55.94	299	eP	P	13 42 14.8	-0.1
RAYN	comp=Z,800nm,19.0s			LR	LR		
RAYN	Ar Rayn	55.94	299	iP	P	13 42 15.1	+0.2
RAYN	comp=Z,13nm,1.0s			LR	LR		
RAYN	Ar Rayn	55.94	299	eP	P	13 42 14.8	-0.1
RAYN	comp=Z,9um,18.0s			MLR	MLR		
RAYN	Ar Rayn	55.94	299	eP	P	13 42 14.8	-0.1
RAYN	comp=Z,13nm,1.0s			MLR	MLR		
NVS	Novosibirsk	56.35	350	iP	P	13 42 16.7	-0.4
NVS	comp=Z,9um,18.0s			eS	S	13 50 07.4	+1.0
NVS	comp=N,14nm,1.9s			pmax	pmax		
NVS	comp=E,37nm,1.9s			pmax	pmax		
NVS	comp=Z,96nm,1.9s			pmax	pmax		
NVS	comp=N,79nm,2.5s			smax	smax		
TEY	Ternei	56.89	321	eP	P	13 42 21.1	0.0
TEY	comp=Z,20nm,1.7s			pmax	pmax		
EIDS	Eidsvold	57.16	120	eP	P	13 42 22.7	-0.8
EIDS	comp=Z,241nm,1.8s			LR	LR		
BRVK	Borovoye	57.50	26	iP	P	13 42 25.9	+0.5
BRVK	comp=Z,4um,22.0s			eP	P	13 42 27.1	-1.6
BRVK	Borovoye	57.50	26	iP	P	13 42 27.7	-1.0
BRVK	comp=Z,2um,18.0s			SNR=12			
BRVK	Borovoye	57.50	26	iP	P	13 42 27.6	-1.2
BRVK	comp=Z,2um,18.0s			SNR=12			
ERM	Ermo	58.84	38	PFAKE	LR	13 42 50.0	+1.5
ERM	comp=Z,2um,18.0s			LR	LR		
CAN	Canberra	58.99	132	eP	P	13 42 35.8	-0.4
CAN	comp=Z,159nm,1.5s			LR	LR		
CAN	Canberra	58.99	132	eP	P	13 42 35.8	-0.4
CAN	comp=Z,6um,20.0s			LR	LR		
CAN	comp=Z,159nm,1.5s			MLR	MLR		
CAN	Canberra	58.99	132	eP	P	13 42 35.8	-0.4
CAN	comp=Z,6um,20.0s			MLR	MLR		
AB31	Akbulak array	59.16	332	P	P	13 42 36.4	-0.6
AB31	comp=Z,21nm,0.8s			pmax	pmax		

ABKAR	Akbulak array	59.16	332	eP	P	13 42 35.6	-1.4
ARMA	Armidale	59.21	126	eP	P	13 42 36.7	-1.1
ARMA	comp=Z,79nm,1.4s			LR	LR		
ZEA	Zeya	59.29	20	eP	P	13 42 38.0	+0.2
ZEA	comp=E,37nm,1.4s			eS	S	13 46 10.0	
ZEA	comp=N,49nm,1.6s			eS	S	13 50 48.0	+2.9
ZEA	comp=N,49nm,1.6s			pmax	pmax	13 54 38.0	-2.1
ZEA	comp=N,49nm,1.6s			pmax	pmax		
ZEA	comp=Z,73nm,1.6s			pmax	pmax		
ZEA	comp=Z,73nm,1.6s			pmax	pmax		
ZEA	comp=Z,1um,11.0s			pmax	pmax		
ZEA	comp=E,200nm,12.0s			pmax	pmax		
ZEA	comp=N,500nm,11.0s			pmax	pmax		
ZEA	comp=Z,500nm,7.0s			pmax	pmax		
ZEA	comp=N,1um,10.0s			pmax	pmax		
BOD	Bodaibo	59.52	10	iP	P	13 42 39.0	-0.3
BOD	comp=Z,143nm,1.7s			pmax	pmax		
ASAJ	Asahikawa	59.68	36	eP	P	13 42 39.7	-1.0
ASAJ	comp=Z,312nm,2.0s			LR	LR		
KMBO	Kilima Mboogo	60.41	269	P	P	13 42 47.2	+0.7
KMBO	comp=Z,3.9nm,0.8s,baz=59,slow=14,SNR=7.0			LR	LR	14 04 48.6	
KMBO	Kilima Mboogo	60.41	269	eP	P	13 42 46.6	+0.1
KMBO	comp=Z,1um,20.0s,baz=93,slow=32			P	P		
KMBO	Kilima Mboogo	60.41	269	eP	P	13 42 46.7	+0.1
KMBO	comp=Z,35nm,1.7s			SNR=5.9			
KMBO	Kilima Mboogo	60.41	269	iP	P	13 42 47.4	+0.8
KMBO	Kilima Mboogo	60.41	269	eP	P	13 42 46.6	+0.1
KMBO	comp=Z,35nm,1.7s			pmax	pmax		
GRNR	Gornyy	60.70	27	iP	P	13 42 48.2	+0.7
GRNR	comp=N,55nm,1.0s			pmax	pmax		
GRNR	comp=E,42nm,1.0s			pmax	pmax		
GRNR	comp=Z,100nm,1.0s			pmax	pmax		
NAI	Nairobi	60.86	269	PFAKE	LR	13 43 00.0	+1.0
NAI	comp=Z,2um,21.0s			LR	LR		
YSS	Yuzh-Sakhalins	61.43	34	iP	P	13 42 53.0	+0.4
YSS	comp=Z,2um,21.0s			e	e	13 43 01.7	
YSS	comp=Z,2um,21.0s			e	e	13 43 34.1	
YSS	comp=Z,2um,21.0s			iS	S	13 45 08.1	
YSS	comp=Z,2um,21.0s			eS	S	13 51 14.1	+1.4
YSS	comp=Z,2um,21.0s			eS	S	13 52 43.6	
YSS	comp=Z,2um,21.0s			eS	S	13 55 16.5	+2.7
YSS	comp=N,200nm,5.0s			pmax	pmax		
YSS	comp=N,200nm,5.0s			pmax	pmax		
YSS	comp=Z,700nm,5.0s			pmax	pmax		
YSS	comp=N,700nm,6.6s			smax	smax		
YSS	comp=N,700nm,6.6s			MLR	MLR		
YSS	comp=N,3um,14.0s			MLR	MLR		
YSS	comp=Z,2um,14.0s			MLR	MLR		
YUK	Yuzh-Kuril'sk	61.60	38	eP	P	13 42 45.5	-8.2
YUK	comp=Z,1um,18.0s			e	e	13 43 31.9	
YUK	comp=Z,1um,18.0s			e	e	13 45 04.0	
YUK	comp=Z,1um,18.0s			ePPP	PPP	13 46 33.7	
YUK	comp=Z,1um,18.0s			eS	S	13 51 10.7	-4.3
YUK	comp=Z,1um,18.0s			eSS	SS	13 55 14.1	-2.5
YUK	comp=Z,1um,18.0s			eSSS	SSS	13 58 00.6	
YUK	comp=N,112nm,0.6s			pmax	pmax		
YUK	comp=Z,187nm,0.8s			pmax	pmax		
YUK	comp=E,15nm,0.7s			pmax	pmax		
YUK	comp=Z,1um,17.0s			MLR	MLR		
MAK	Makhachkala	62.27	320	eP	P	13 42 54.0	-4.3
MAK	comp=Z,1um,17.0s			ePPP	PPP	13 46 44.3	
MAK	comp=Z,1um,17.0s			eS	S	13 51 17.9	-5.6
MAK	comp=Z,1um,17.0s			eS	S		
HNR	Honiara	62.61	100	eP	P	13 43 00.4	+2.9
HNR	comp=Z,582nm,1.3s			eP	P	13 43 00.1	-1.0
HNR	Honiara	62.61	100	eP	P	13 43 00.1	-1.0
HNR	comp=Z,582nm,1.3s			pmax	pmax		
GNI	Garni	62.78	317	P	P	13 43 02.6	+0.6
GNI	comp=Z,1um,4.7s			eP	P	13 43 02.2	+0.2
GNI	comp=Z,1um,4.7s			pmax	pmax		
KUR	Kuril'sk	63.45	37	iP	P	13 43 05.1	-1.0
KUR	comp=Z,119nm,1.7s			e	e	13 43 43.4	
KUR	comp=Z,119nm,1.7s			e	e	13 45 25.1	
KUR	comp=Z,119nm,1.7s			ePPP	PPP	13 46 53.7	
KUR	comp=Z,119nm,1.7s			eS	S	13 51 37.8	-0.4
KUR	comp=Z,1um,4.7s			pmax	pmax		
KUR	comp=Z,127nm,1.3s			MLR	MLR		
KUR	comp=Z,1um,14.0s			MLR	MLR		
KUR	comp=N,900nm,15.0s			MLR	MLR		
KUR	comp=E,400nm,17.0s						

3d 13h

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MOTA Moosalm, GRFO Grafenberg, RETA Reutte, etc.

2022 OCT

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like COLA College, WRH Wood River Hill, CCB Clear Creek Bu, etc.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like J05D Fort Rock, OR, M02C Callahan, JTMT Jette, etc.

D41A	comp-Z,1um,21.0s	LR	LR			
P17A	Butcher Ranch, 133.27	30	PFAKE	LR	13 52 00.0 +7.1	
P17A	comp-Z,1um,20.0s					
E38A	The Farm, Brul	133.30	9	PFAKE	LR	13 52 00.0 +7.5
E38A	comp-Z,1um,18.0s					
SZCU	Shurtz Canyon	133.40	34	PFAKE	LR	13 52 00.0 +6.8
SZCU	comp-Z,600nm,19.0s					
PKME	Peaks-Kenny Pk	133.88	347	PFAKE	LR	13 52 00.0 +6.4
PKME	comp-Z,1um,18.0s					
FRD	Ford Ranch, Ann	134.00	41	P	PKPdf	13 51 54.4 +0.1
E43A	Lone Tree Farm	134.06	4	PFAKE	LR	13 52 00.0 +6.1
E43A	comp-Z,2um,21.0s					
COWI	Conover	134.12	7	PFAKE	LR	13 52 00.0 +5.9
COWI	comp-Z,1um,21.0s					
F40A	Park Falls	134.18	8	P	PKPdf	13 51 55.2 +1.0
N23A	Red Feather La	134.38	25	PFAKE	LR	13 52 10.0 +15
N23A	comp-Z,1um,20.0s					
F41A	Three Lakes	134.48	7	PFAKE	LR	13 52 10.0 +15
F41A	comp-Z,1um,22.0s					
G40A	Rib Lake	134.81	8	PFAKE	LR	13 52 10.0 +15
G40A	comp-Z,1um,21.0s					
PV21	Cone Mtn., Par	134.85	30	PFAKE	LR	13 52 10.0 +14
PV21	comp-Z,1um,19.0s					
PV22	Blue Mesa, Par	134.97	30	ePKPdf	PKPdf	13 51 54.2 -1.9
PV22	comp-Z,900nm,19.0s					
PV14	Lion Creek, Pa	134.98	30	PFAKE	LR	13 52 10.0 +14
PV14	comp-Z,2um,20.0s					
ECSD	EROS Data Cent	135.03	15	PFAKE	LR	13 52 10.0 +14
ECSD	comp-Z,1um,21.0s					
G42A	Mountain	135.05	6	PFAKE	LR	13 52 10.0 +14
G42A	comp-Z,1um,19.0s					
FRNY	Flat Rock	135.10	351	PFAKE	LR	13 52 10.0 +14
FRNY	comp-Z,1um,21.0s					
G43A	Wallace	135.11	5	PFAKE	LR	13 52 10.0 +14
G43A	comp-Z,1um,21.0s					
PV11	David Mesa, Pa	135.11	30	PFAKE	LR	13 52 10.0 +14
PV11	comp-Z,1um,19.0s					
PV12	Saucer Basin,	135.13	30	ePKPdf	PKPdf	13 51 54.4 -2.1
PV12	comp-Z,2um,20.0s					
PV13	Radium Mtn., P	135.24	30	PFAKE	LR	13 52 10.0 +13
PV13	comp-Z,1um,18.0s					
LBNH	Lisbon	135.40	349	PFAKE	LR	13 52 10.0 +14
LBNH	comp-Z,1um,20.0s					
ISCO	Idaho Springs	135.43	26	PFAKE	LR	13 52 10.0 +13
ISCO	comp-Z,800nm,19.0s					
H41A	Junction City	135.52	7	PFAKE	LR	13 52 10.0 +13
H41A	comp-Z,1um,19.0s					
GLMI	Grayling	135.74	2	PFAKE	LR	13 52 10.0 +13
GLMI	comp-Z,1um,18.0s					
SADO	Sadowa	135.75	357	PFAKE	LR	13 52 10.0 +13
SADO	comp-Z,1um,21.0s					
H42A	Shiocton	135.76	6	PFAKE	LR	13 52 10.0 +13
H42A	comp-Z,2um,20.0s					
WU1Z	Wupatki	135.85	35	PKPdf	PKPdf	13 51 56.8 -1.0
H43A	Windswept, Lux	135.88	6	PFAKE	LR	13 52 10.0 +13
H43A	comp-Z,1um,19.0s					
OGNE	Ogallala	135.89	22	PFAKE	LR	13 52 10.0 +12
OGNE	comp-Z,2um,18.0s					
I39A	Houston	135.99	10	PFAKE	LR	13 52 10.0 +12
I39A	comp-Z,1um,22.0s					
I41A	Arkdale	136.04	8	PFAKE	LR	13 52 10.0 +12
I41A	comp-Z,1um,20.0s					
NCB	Newcomb	136.04	352	PFAKE	LR	13 52 10.0 +12
NCB	comp-Z,800nm,21.0s					
MVCO	Mesa Verde	136.14	31	PFAKE	LR	13 52 10.0 +12
MVCO	comp-Z,900nm,19.0s					
I13A	Mohawk Valley,	136.29	39	PFAKE	LR	13 52 10.0 +12
I13A	comp-Z,500nm,21.0s					
Q24A	Divide	136.32	26	PFAKE	LR	13 52 10.0 +11
Q24A	comp-Z,800nm,20.0s					
H42A	Draeger Farm,	136.33	7	PFAKE	LR	13 52 10.0 +12
H42A	comp-Z,2um,20.0s					
S22A	4UR Ranch, Cre	136.54	29	PFAKE	LR	13 52 10.0 +11
S22A	comp-Z,1um,19.0s					
BGNE	Belgrade	136.77	17	PFAKE	LR	13 52 10.0 +11
BGNE	comp-Z,2um,22.0s					
HRV	Adam Dzewonski	137.00	348	PFAKE	LR	13 52 10.0 +11
HRV	comp-Z,800nm,19.0s					
JFWS	Jewell Farm	137.11	9	PFAKE	LR	13 52 10.0 +10
JFWS	comp-Z,1um,21.0s					
SDCO	Great Sand Dun	137.16	27	PFAKE	LR	13 52 10.0 +10
SDCO	comp-Z,1um,18.0s					
KSCO	Kaye Shedlock	137.34	23	PFAKE	LR	13 52 10.0 +10
KSCO	comp-Z,1um,20.0s					
X18A	Snowflake	137.37	34	PFAKE	LR	13 52 10.0 +9.3
X18A	comp-Z,600nm,20.0s					
SCIA	State Center	137.56	12	PFAKE	LR	13 52 10.0 +9.4
SCIA	comp-Z,2um,21.0s					
K43A	Burlington	137.57	7	PFAKE	LR	13 52 10.0 +9.5
K43A	comp-Z,1um,22.0s					
L40A	Anamosa	137.78	10	PFAKE	LR	13 52 10.0 +9.0
L40A	comp-Z,1um,22.0s					
BINY	Binghamton	138.02	353	PFAKE	LR	13 52 10.0 +8.6
BINY	comp-Z,1um,18.0s					
L42A	Oliver, Polo	138.08	8	PFAKE	LR	13 52 10.0 +8.5
L42A	comp-Z,1um,18.0s					
T25A	Trinidad	138.16	27	PFAKE	LR	13 52 10.0 +7.9
T25A	comp-Z,1um,20.0s					
AAM	Ann Arbor	138.30	1	PFAKE	LR	13 52 10.0 +8.1
AAM	comp-Z,1um,20.0s					
YLE	Yale	138.42	349	PFAKE	LR	13 52 10.0 +7.9
YLE	comp-Z,800nm,19.0s					
ERPA	Erie	138.44	357	PFAKE	LR	13 52 10.0 +7.8
ERPA	comp-Z,1um,20.0s					
CBKS	Cedar Bluff	138.60	21	PFAKE	LR	13 52 10.0 +7.4
CBKS	comp-Z,1um,20.0s					
KSPA	Keystone Colle	138.63	353	PFAKE	LR	13 52 10.0 +7.5
KSPA	comp-Z,1um,22.0s					
N39A	Derby Farms, D	138.69	12	PFAKE	LR	13 52 10.0 +7.3
N39A	comp-Z,1um,20.0s					

PAL	comp-Z,1um,20.0s					
PAL	Palisades	138.89	350	PFAKE	LR	13 52 10.0 +7.0
M44A	Midewin, Midew	138.90	7	PFAKE	LR	13 52 10.0 +7.0
M44A	comp-Z,2um,19.0s					
ODNJ	Ogdenburg	138.93	351	PFAKE	LR	13 52 10.0 +6.9
ODNJ	comp-Z,1um,19.0s					
ANMO	Albuquerque	138.93	31	ePKPdf	PKPdf	13 52 01.0 -2.6
ANMO	comp-Z,1um,18.0s					
ANMO	Albuquerque	138.93	31	ePKIP	PKPdf	13 52 01.0 -2.6
ANMO	comp-Z,1um,18.0s					
M54A	Oil Creek Stat	139.03	357	PFAKE	LR	13 52 10.0 +6.7
M54A	comp-Z,2um,21.0s					
M46A	Old House Fiel	139.04	5	PFAKE	LR	13 52 10.0 +6.7
M46A	comp-Z,1um,19.0s					
M48A	Edgerton	139.07	3	PFAKE	LR	13 52 10.0 +6.6
M48A	comp-Z,1um,20.0s					
N41A	Harden Midland	139.16	10	PFAKE	LR	13 52 10.0 +6.5
N41A	comp-Z,900nm,20.0s					
M50A	Fremont	139.21	1	PFAKE	LR	13 52 10.0 +6.4
M50A	comp-Z,2um,21.0s					
N59A	State Game Lan	139.26	352	PFAKE	LR	13 52 10.0 +6.2
N59A	comp-Z,1um,19.0s					
BRNJ	Basking Ridge	139.31	351	PFAKE	LR	13 52 10.0 +6.2
BRNJ	comp-Z,1um,20.0s					
KSU1	Kansas State U	139.35	17	PFAKE	LR	13 52 10.0 +6.1
KSU1	comp-Z,1um,20.0s					
LUPA	Lehigh Univers	139.52	352	PFAKE	LR	13 52 20.0 +16
LUPA	comp-Z,100nm,19.0s					
HDIL	Hopedale	139.56	8	PFAKE	LR	13 52 20.0 +16
HDIL	comp-Z,1um,18.0s					
N54A	Moraine State	139.59	357	PFAKE	LR	13 52 20.0 +16
N54A	comp-Z,2um,19.0s					
N49A	Columbus Grove	139.66	2	PFAKE	LR	13 52 20.0 +16
N49A	comp-Z,2um,20.0s					
N51A	Ashland	139.69	0	PFAKE	LR	13 52 20.0 +15
N51A	comp-Z,1um,19.0s					
SSPA	Standing Stone	139.77	355	PFAKE	LR	13 52 20.0 +15
SSPA	comp-Z,1um,21.0s					
SFIN	Lafayette	140.00	6	PFAKE	LR	13 52 20.0 +15
SFIN	comp-Z,1um,20.0s					
PSUB	Penn St. - Bra	140.19	352	PFAKE	LR	13 52 20.0 +15
PSUB	comp-Z,1um,21.0s					
O56A	Blue Knob Stat	140.19	355	PFAKE	LR	13 52 20.0 +14
O56A	comp-Z,1um,20.0s					
P42A	Winchester	140.34	10	PFAKE	LR	13 52 20.0 +14
P42A	comp-Z,1um,21.0s					
ACSO	Alum Creek Sta	140.38	1	PFAKE	LR	13 52 20.0 +14
ACSO	comp-Z,2um,21.0s					
O49A	Covington	140.38	2	PFAKE	LR	13 52 20.0 +14
O49A	comp-Z,2um,20.0s					
P45A	Graceland, Par	140.77	7	PFAKE	LR	13 52 20.0 +14
P45A	comp-Z,1um,20.0s					
SDMD	Soldier's Del	140.88	353	PFAKE	LR	13 52 20.0 +13
SDMD	comp-Z,600nm,20.0s					
MCWV	Mont Chateau	140.89	357	PFAKE	LR	13 52 20.0 +13
MCWV	comp-Z,1um,21.0s					
SLM	Saint Louis	141.29	10	PFAKE	LR	13 52 20.0 +13
SLM	comp-Z,900nm,19.0s					
M37A	Muleshoe	141.52	28	ePKPpre	PKPpre	13 52 03.3
M37A	comp-Z,1um,21.0s					
I39A	Bolivar	141.56	14	ePKPdf	PKPpre	13 52 04.7
I39A	comp-Z,1um,21.0s					
MINTX	Cornudas Mount	142.02	33	ePKPpre	PKPpre	13 52 04.7
MINTX	comp-Z,1um,21.0s					
BDFB	Brasil	142.53	243	PKP	PKPpre	13 52 10.5 +0.1
BDFB	comp-Z,1.6nm,0.4s,baz=131,slow=8.9,SNR=2.6					
WMOK	Wichita Mounta	142.56	23	ePKPpre	PKPpre	13 52 04.4
WMOK	comp-Z,1um,20.0s					
T42A	Van Buren	142.69	12	ePKPpre	PKPpre	13 52 04.9
T42A	comp-Z,1um,20.0s					
W40A	Whits Springs	143.47	14	ePKPpre	PKPpre	13 52 06.2
W40A	comp-Z,1um,20.0s					
W39A	Magassee	143.80	16	ePKPdf	PKPbc	13 52 09.6 0.0
W39A	comp-Z,1um,20.0s					
V43A	Jonesboro	144.00	11	P	PKPbc	13 52 09.5 -0.1

3d 14h

Table with columns: ZSD, Call Sign, Frequency, Power, Mode, and various status indicators. Includes stations like Monticello, Union, Williamson, Sparta, Glynthe, etc.

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Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h m s, ISC. Includes stations like YER Yerkesik, MLSB Milas, AYDN Tasoluk, etc.

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Table with columns: Call Sign, Frequency, Power, Mode, and various status indicators. Includes stations like ASAR, AS01 Alice Springs, WHN, etc.

mb5.1/1,MLV4.2/8
NEIC 03 14:00:38.1,0.7,0.47S;97.60E,h10km,mb4.1/2,Error
ellipse: s-maj=19.2km s-min=6.2km az=62.0

ISC/JB 03 14:00:39.1,0.8,0.49S;0.07E;97.57E;0.10,h33km,
mb4.1/9,Error ellipse: s-maj=16.2km s-min=6.8km
az=146.6

ISC 03 14:00:41.5,1.2,0.45S;0.1976E;0.2,h35km,n34,
c1509/31,mb4.0/9,Southwest of Sumatara

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like PBSI Pulau Batu, GSI Gunungstati, MNSI Mandailing Nat, etc.

Table with columns: UKR, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like UKR Tashtagol, UKR Eitsova, UKR Zaisan, etc.

Table with columns: PRMA, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like PRMA Gorreto, PRMA Gorreto, PRMA Gorreto, etc.

IDC 03 14:01:44.0,9.2,92N;125.89E,h0km,mb3.9/5,
mb1 3.9/6,mb1mx1.6/62,mbtmp3.9/6,ML3.9/1,Error
ellipse: s-maj=1.2km s-min=1.5km az=66.4/3,Error

NEIC 03 14:01:46.1,0.5,2.93N;125.69E,h10km,mb4.0/3,Error
ellipse: s-maj=15.0km s-min=7.7km az=60.0

DJA 03 14:01:48.8,1.5,3.13N;127.82E;h10km,MA.6/5,mb4.8/2,
MLV4.5/5

ISC 03 14:01:45.9,0.8,2.92N;0.09;125.72E;0.08,h10km,n22,
c1515/24,mb3.9/7,Talau Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like SGSI Sangihe, TNTI Ternate, KMSI Cibinong, etc.

MEX 03 14:32:55.0,0.7,16.45N;100.74W,h16km;21km,MD3.9,
Near coast of Guerrero

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like CAIG EI Cayaco, CAIG Acapulco, CAIG Zihuatanejo, etc.

MEX 03 14:36:32.8,9.6,24.79N;110.90W,h19km,MD3.5,Baja
California

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like LPIG La Paz, LPIG Sierra La Lagu, etc.

BUJ 03 14:41:23.0,44.45N;9.50E,h10km,mb4.7/15,MB5.2/6,
MS4.5/2

BGR 03 14:41:26.5,0.9,44.61N;9.78E,h10km,ML4.7/3,Error
ellipse: s-maj=15.6km s-min=13.3km az=169.0

IDC 03 14:41:26.2,0.7,44.76N;9.76E,h0km,mb4.0/14,
mb1 4.1/23,mb1mx4.0/49,mbtmp4.0/23,ML4.2/9,MS3.7/6,
Ms1 3.7/6,ms1mx3.3/46,Error ellipse: s-maj=15.1km
s-min=9.8km az=120.0

GEN 03 14:41:28.9,44.84N;9.74E,h20km;5km,ML4.5
PDG 03 14:41:28.9,1.2,44.86N;9.78E,h24km;1km,ML4.6/11,
Error ellipse: s-maj=0.7km s-min=1.0km az=0.0

LDG 03 14:41:29.6,0.1,44.84N;9.79E,h20km;Mtd3.9/4,ML4.4/2,
Error ellipse: s-maj=2.2km s-min=1.7km az=30.0

BNS 03 14:41:29.0,7.4,48.2N;9.84E,h10km,ML4.0
NEIC 03 14:41:29.4,0.7,44.82N;9.81E,h22km;6km,mb4.5/2,
ML4.4(LDG),ML4.5(ROM),Error ellipse: s-maj=3.7km
s-min=2.6km az=189.0

NEIC Felt [V] at Carpaneto Piacentino; [IV] at Fiorenzuola
d'Arda, Noceto and Salsomaggiore Terme; [III] at
Bergamo, Bologna, Cremona, Genoa, La Spezia,
Mantova, Massa, Modena, Padova, Piacenza, Reggio
nell'Emilia and Verona; [II] at Brescia, Florence, Milan,
Parma, Pisa and Turin. Felt in much of northern Italy.

ROM 03 14:41:29.4,0.1,44.783N;0.006E;9.670E;0.008,
h24km;1km,ML4.5/147

VIE 03 14:41:30.4,1.1,44.80N;9.90E,h19km;13km,mb4.0/18,
m4.4/20,ms4.3/1,Error ellipse: s-maj=9.1km s-min=4.9km
az=37.0 88 km ENE of Genova

PRU 03 14:41:31.8,0.0,45.02N;10.04E,h3km,ML4.5
ISC 03 14:41:29.1,0.8,44.81N;0.02E;9.77E;0.02,h23km;6km,
n534,c2950/669,mb4.2/21,32C-26D,Northern Italy

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like BOB Bobbio (Coli), BOB Bobbio (Coli), BOB Bobbio (Coli), etc.

ERM B Eremo 0.60 130 P S Pn 14 41 51.5 +0.5

NOVE Novellara 0.67 90 P S Pn 14 41 43.5 +0.2

NOVE Novellara 0.67 90 P S Pn 14 41 56.0 +3.0

NOVE Novellara 0.67 90 P S Pn 14 41 43.4 +0.2

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

ISC/JB 03 14:02:11.9,1.0,59.5S;0.1;24.7W;0.3,h10km,mb3.8/4,
Error ellipse: s-maj=24.8km s-min=13.8km az=157.5

IDC 03 14:02:11.8,1.1,59.36S;24.83W,h0km,mb3.8/4,
mb1 4.0/4,mb1mx3.8/27,mbtmp3.8/4,Error ellipse:
s-maj=38.2km s-min=30.9km az=147.0

ISC 03 14:02:13.9,0.9,59.5S;0.1;24.8W;0.2,h10km,n10,
c1525/10,mb3.8/4,South Sandwich Islands region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like VN1A Neumayer-Stat, VN1A Neumayer-Olymp, etc.

ISC/JB 03 14:20:25.1,0.8,50.24N;0.03;88.01E;0.06,h11km,Error
ellipse: s-maj=6.6km s-min=3.8km az=32.3

ASRS 03 14:20:25.3,1.1,49.99N;88.05E,h15km
NNC 03 14:20:29.2,1.3,50.08N;87.77E,h0km,mb4.0,mpv3.5,
Error ellipse: s-maj=11.6km s-min=1.1km az=101.0

SOME 03 14:20:33.9,50.13N;88.32E,h0km
ISC 03 14:20:28.7,0.8,50.12N;0.04;88.03E;0.04,h11km,n17,
c2535/35,12C-6D,Southwestern Siberia

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like AKAR Aktash, UKR Ust'-Kan, etc.

ERM B Eremo 0.60 130 P S Pn 14 41 51.5 +0.5

NOVE Novellara 0.67 90 P S Pn 14 41 43.5 +0.2

NOVE Novellara 0.67 90 P S Pn 14 41 56.0 +3.0

NOVE Novellara 0.67 90 P S Pn 14 41 43.4 +0.2

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

NOVE Novellara 0.67 90 P S Pn 14 41 55.4 +2.4

3d 15h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Saint Gilles, Thalala, Florida, etc.

MEX 03 15:08:51.1, 0.4, 20.15N-105.32W, h20km±15km, MD3.9, Near coast of Jalisco. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Puento Sto Nin, NEIC 03, etc.

ISCJCB 03 15:08:58.2, 0.5, 24.89N, 0.03, 122.46E, 0.02, h7km, 3km, Error ellipse: s-maj=5.2km s-min=2.7km az=10.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Santiao Chiao, Karatay Array, etc.

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

NNC 03 15:21:13.8, 3.4, 36.99N, 70.40E, h0km, mb3.9, mpv3.6, 4C-4D, Error ellipse: s-maj=29.0km s-min=24.7km az=144.0, Hindu Kush region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Sufi-Kurgan, Manas, etc.

ISCJCB 03 15:28:06.1, 0.3, 43.01N, 0.02, 69.72E, 0.02, h0km, mb3.6/3, Error ellipse: s-maj=2.7km s-min=2.3km az=175.4

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

3d 17h

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like Isabella, Lake, Columbia Colle, ORV, YBHK, WAKR, etc.

MEX Q3 15:56:41.7, 0.8, 16:19N, 97:56W, h20km, 536km, MD3.8, Oaxaca

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like PNIG, VHO, HUIG, etc.

PRU Q3 16:05:55.2, 0.0, 50:23N, 19:29E, h0km, Poland

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like OJC, OKC, NIE, etc.

UCR Q3 16:07:36.1, 1.4, 12:28N, 87:28W, h69km, 24km, ML3.7, Near coast of Nicaragua

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like CRIN, COPN, MOMM, etc.

YARS Q3 16:26:57.0, 0.2, 57:53N, 0:01, 128:10E, h10km, 3km, Southeastern Siberia

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like ALDR, CGD, CLNS, etc.

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Main table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like YVAM, TNDR, YKLR, etc.

ISC/JB 03 17:03:07.0, 0.4, 24:87N, 0:02, 122:46E, 0:02, h6km, 9km, Error ellipse: s-maj=4.0km s-min=2.4km az=21.2

JMA Q3 17:03:07.0, 0.1, 24:81N, 122:45E, h0km, M2.2, TAP Q3 17:03:08.3, 24:86N, 122:39E, h9km, 1km, ML2.7, C

ISC Q3 17:03:07.9, 1.0, 24:85N, 0:03, 122:45E, 0:02, h9km, 9km, n49, c051178, Taiwan region

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like KCSI, GSI, MNSI, etc.

DDA Q3 17:00:15.9, 37:05N, 26:76E, h7km, M12.6, ISC/JB Q3 17:00:16.0, 0.5, 37:06N, 0:03, 26:78E, 0:03, h8km, 5km, Error ellipse: s-maj=4.7km s-min=3.8km az=167.8

ATH Q3 17:00:16.5, 37:10N, 26:76E, h29km, 1km, ML1.9/3, Error ellipse: s-maj=2.5km s-min=1.2km az=115.0

ISK Q3 17:00:17.2, 37:11N, 26:78E, h8km, ML2.5/2, ISC Q3 17:00:16.6, 1.2, 37:09N, 0:03, 26:80E, 0:02, h12km, 10km, n21, c111136, Dodecanese Islands

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like BODT, BDRM, NIS1, etc.

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Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like EOS1, TWB1, EGS, etc.

MAN Q3 17:07:50.1, 6:32N, 125:74E, h25km, mb4.1, ML2.9, MS2.5, 1D, Mindanao

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like DMPH, MATI, DDDP, etc.

DDMP Musuan 1.24 328 eS Sn 17 08 17.5 +2.7 Pn 17 08 11.3 -0.6 Sb 17 08 28.3 -0.3

BGR 03 17:17:58.6; 1.6, 44:70N; 9:67E, h10km, ML3.5/2, Error ellipse: s-maj=25.6km s-min=18.9km az=172.0
ISCJB 03 17:18:00.9; 0.2, 44:81N; 0:01; 9:69E; 0:02, h27km; 2km, Error ellipse: s-maj=2.2km s-min=1.7km az=163.0
ROM 03 17:18:00.8; 0.1, 44:79N; 0:006; 9:670E; 0:008, h26km, ML3.2/97
LDG 03 17:18:01.9, 44:79N; 9:94E, h30km
GEN 03 17:18:01.0, 44:81N; 9:65E, h24km; 4km, ML3.2
PRU 03 17:18:02.4; 0.0, 45:01N; 9:99E, h0km
ISC 03 17:17:59.5; 0.0, 44:85N; 0:01; 9:75E; 0:01, h16km; 8km, n189, s1542/227, Northern Italy

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Op, ISC, Time, Res, ISC. Rows include stations like Bobbio (Coli), Gorreto, Parma, Castellone, Maissana, Eremo, Novellara, Palmaria, Port, etc.

Main table with columns: Station Name, Code, Delta A, AZ, Phase ID, Op, ISC, Time, Res, ISC. Rows include stations like Sassorosso, Concesio, Villacollemand, Merate, Piancastagn, Ravarino, Rocchetta Tana, Bagni Di Lucca, Massa Finalese, Mastiano, Popiglio, Sermidè, etc.

Table with columns: Station Name, Code, Delta A, AZ, Phase ID, Op, ISC, Time, Res, ISC. Rows include stations like Baldone, Mugio, Rovere, Varese, Roncone, Malga Bissina, Rocca Rossa, Mastiano, etc.

3d 17h

BERNI	comp=E,596µm,0.9s	1.57	7	P	Pg	17 18 29.8	0.0
BERNI	comp=E,442µm,0.4s			AML	AML		
BERNI	comp=N,488µm,0.5s			AML	AML		
BERNI	comp=N,488µm,0.5s			AML	AML		
PANI	comp=E,442µm,0.4s	1.64	42	ePg	Pb	17 18 28.7	-0.8
TUE	comp=E,301µm,0.6s	1.64	350	P	Pg	17 18 30.0	-1.2
TUE	comp=N,304µm,0.4s			AML	AML		
TUE	comp=E,402µm,0.6s			AML	AML		
TUE	comp=N,370µm,0.4s			AML	AML		
TUE	comp=E,402µm,0.6s			AML	AML		
TUE	comp=N,370µm,0.4s			AML	AML		
TUE	comp=N,304µm,0.4s			AML	AML		
SATI	comp=E,313µm,0.7s	1.67	308	P	Pb	17 18 30.6	+0.3
SATI	comp=N,204µm,0.8s			AML	AML		
SATI	comp=N,204µm,0.8s			AML	AML		
SATI	comp=E,313µm,0.7s			AML	AML		
BRMO	comp=E,235µm,0.6s	1.68	15	P	Pg	17 18 30.5	-1.4
BRMO	comp=N,192µm,0.3s			AML	AML		
BRMO	comp=N,192µm,0.3s			AML	AML		
BRMO	comp=E,235µm,0.6s			AML	AML		
CARE	comp=N,305µm,0.4s	1.71	23	ePn	Pb	17 18 30.4	-0.3
CIRO	comp=N,305µm,0.4s	1.71	297	P	Pn	17 18 28.6	-0.4
CIRO	comp=N,305µm,0.4s			AML	AML		
CIRO	comp=N,305µm,0.4s			AML	AML		
MMK	comp=E,224µm,1.6s	1.74	314	P	Pn	17 18 30.1	+0.8
MMK	comp=N,228µm,0.4s			AML	AML		
MMK	comp=N,228µm,0.4s			AML	AML		
MMK	comp=N,228µm,0.4s			AML	AML		
MMK	comp=N,228µm,0.4s			AML	AML		
MMK	comp=N,228µm,0.4s			AML	AML		
BHB	comp=E,224µm,0.7s	1.77	271	P	Pn	17 18 30.1	+0.5
BHB	comp=N,529µm,0.6s			AML	AML		
BHB	comp=N,529µm,0.6s			AML	AML		
BHB	comp=N,529µm,0.6s			AML	AML		
CSNT	comp=N,507µm,0.6s	1.77	141	P	Pb	17 18 30.9	-0.7
CSNT	comp=N,507µm,0.6s			AML	AML		
CSNT	comp=N,507µm,0.6s			AML	AML		
CSNT	comp=N,507µm,0.6s			AML	AML		
CSNT	comp=N,507µm,0.6s			AML	AML		
CSNT	comp=N,507µm,0.6s			AML	AML		
CGRP	comp=N,1100µm,0.6s	1.77	54	ePn	Pn	17 18 30.4	+0.7
CGRP	comp=N,1100µm,0.6s	1.77	54	P	Pn	17 18 30.4	+0.7
CGRP	comp=N,1100µm,0.6s			AML	AML		
CGRP	comp=N,1100µm,0.6s			AML	AML		
CGRP	comp=N,1100µm,0.6s			AML	AML		
FUSIO	comp=N,1100µm,0.6s	1.77	335	P	Pb	17 18 31.0	-0.8
FUSIO	comp=N,233µm,0.3s			AML	AML		
FUSIO	comp=N,233µm,0.3s			AML	AML		
FUSIO	comp=N,233µm,0.3s			AML	AML		
SFI	comp=N,390µm,1.5s	1.78	121	P	Pb	17 18 32.1	+0.3
SFI	comp=N,390µm,1.5s			AML	AML		
SFI	comp=N,390µm,1.5s			AML	AML		
SFI	comp=N,390µm,1.5s			AML	AML		
SFI	comp=N,390µm,1.5s			AML	AML		
SFI	comp=N,390µm,1.5s			AML	AML		
ENR	comp=N,518µm,1.5s	1.78	250	P	Pn	17 18 30.7	+0.9
ENR	comp=N,518µm,1.5s			AML	AML		
ENR	comp=N,518µm,1.5s			AML	AML		
ENR	comp=N,518µm,1.5s			AML	AML		
NEGI	comp=N,479µm,0.7s	1.78	236	P	Pn	17 18 29.4	-0.3
NEGI	comp=N,479µm,0.7s			AML	AML		
NEGI	comp=N,479µm,0.7s			AML	AML		
NEGI	comp=N,479µm,0.7s			AML	AML		
RSP	comp=N,204µm,1.3s	1.79	280	P	Pn	17 18 29.0	-0.9
RSP	comp=N,204µm,1.3s			AML	AML		
RSP	comp=N,204µm,1.3s			AML	AML		
RSP	comp=N,204µm,1.3s			AML	AML		
RSP	comp=N,204µm,1.3s			AML	AML		
SAOF	comp=N,392µm,1.4s	1.79	242	P	Pn	17 18 30.1	+0.2
SAOF	comp=N,392µm,1.4s			AML	AML		
SAOF	comp=N,392µm,1.4s			AML	AML		
SAOF	comp=N,392µm,1.4s			AML	AML		
SAOF	comp=N,392µm,1.4s			AML	AML		

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SAOF	comp=N,392µm,1.4s			AML	AML		
SAOF	comp=N,392µm,1.4s			AML	AML		
SAOF	comp=N,392µm,1.4s			AML	AML		
OZOL	comp=N,382µm,0.8s	1.80	30	ePn	Pb	17 18 31.7	-0.6
FUORN	comp=N,382µm,0.8s	1.80	11	P	Pb	17 18 32.6	+0.3
FUORN	comp=N,407µm,0.6s			AML	AML		
FUORN	comp=N,407µm,0.6s			AML	AML		
FUORN	comp=N,407µm,0.6s			AML	AML		
DOI	comp=N,1295µm,0.8s	1.82	260	AML	AML		
DOI	comp=N,1295µm,0.8s			AML	AML		
DOI	comp=N,1295µm,0.8s			AML	AML		
STV	comp=N,1295µm,0.8s	1.84	252	P	Pn	17 18 31.2	+0.7
STV	comp=N,308µm,0.5s			AML	AML		
STV	comp=N,308µm,0.5s			AML	AML		
STV	comp=N,308µm,0.5s			AML	AML		
STV	comp=N,308µm,0.5s			AML	AML		
MOSI	comp=N,1140µm,0.9s	1.85	17	P	Pb	17 18 33.1	0.0
MOSI	comp=N,1140µm,0.9s			AML	AML		
MOSI	comp=N,1140µm,0.9s			AML	AML		
MOSI	comp=N,1140µm,0.9s			AML	AML		
PZZ	comp=N,904µm,0.6s	1.91	260	P	Pn	17 18 32.3	+0.7
PZZ	comp=N,904µm,0.6s			AML	AML		
PZZ	comp=N,904µm,0.6s			AML	AML		
PZZ	comp=N,904µm,0.6s			AML	AML		
PZZ	comp=N,904µm,0.6s			AML	AML		
MTLO	comp=N,586µm,0.7s	1.91	59	ePn	Pb	17 18 32.5	-1.6
TRIF	comp=N,586µm,0.7s	1.93	154	P	Pn	17 18 32.3	+0.6
TRIF	comp=N,178µm,0.6s			AML	AML		
TRIF	comp=N,178µm,0.6s			AML	AML		
TRIF	comp=N,178µm,0.6s			AML	AML		
TRIF	comp=N,178µm,0.6s			AML	AML		
TRIF	comp=N,178µm,0.6s			AML	AML		
APPI	comp=N,898µm,0.4s	1.93	32	P	Pb	17 18 33.3	-1.1
APPI	comp=N,898µm,0.4s			AML	AML		
APPI	comp=N,898µm,0.4s			AML	AML		
APPI	comp=N,898µm,0.4s			AML	AML		
APPI	comp=N,898µm,0.4s			AML	AML		
DAVOX	comp=N,898µm,0.4s	1.93	3	P	Pb	17 18 34.5	0.0
DAVOX	comp=N,898µm,0.4s			AML	AML		
DAVOX	comp=N,898µm,0.4s			AML	AML		
DAVOX	comp=N,898µm,0.4s			AML	AML		
DAVOX	comp=N,898µm,0.4s			AML	AML		
DAVOX	comp=N,898µm,0.4s			AML	AML		
SBF	comp=N,354µm,0.3s	1.93	240	ePg	Pn	17 18 32.0	+0.2
SBF	comp=N,354µm,0.3s			AML	AML		
SBF	comp=N,354µm,0.3s			AML	AML		
SBF	comp=N,354µm,0.3s			AML	AML		
SBF	comp=N,354µm,0.3s			AML	AML		
LSO	comp=N,338µm,0.5s	1.95	289	P	Pn	17 18 31.6	-0.6
LSO	comp=N,338µm,0.5s			AML	AML		
LSO	comp=N,338µm,0.5s			AML	AML		
LSO	comp=N,338µm,0.5s			AML	AML		
LSO	comp=N,338µm,0.5s			AML	AML		
LSO	comp=N,338µm,0.5s			AML	AML		
KOSI	comp=N,583µm,0.8s	1.97	35	P	Pb	17 18 33.6	-1.6
KOSI	comp=N,583µm,0.8s			AML	AML		
KOSI	comp=N,583µm,0.8s			AML	AML		
KOSI	comp=N,583µm,0.8s			AML	AML		
KOSI	comp=N,583µm,0.8s			AML	AML		
CRE	comp=N,583µm,0.8s	2.01	127	P	Pn	17 18 34.1	+1.2
CRE	comp=N,583µm,0.8s			AML	AML		
CRE	comp=N,583µm,0.8s			AML	AML		
CRE	comp=N,583µm,0.8s			AML	AML		
CRE	comp=N,583µm,0.8s			AML	AML		
CRE	comp=N,583µm,0.8s			AML	AML		
MON	comp=N,396µm,0.5s	2.01	237	Pn	Pn	17 18 33.4	+0.6
ISO	comp=N,396µm,0.5s	2.04	252	Pn	Pn	17 18 34.1	+0.8
ISO	comp=N,396µm,0.5s	2.09	244	Pn	Pn	17 18 35.0	+0.9
MBDF	comp=N,396µm,0.5s	2.12	268	ePg	Pn	17 18 35.8	+1.3
MBDF	comp=N,396µm,0.5s			AML	AML		
PARC	comp=N,132µm,0.5s	2.13	261	Pn	Pn	17 18 35.4	+0.8
PARC	comp=N,132µm,0.5s	2.16	123	P	Pn	17 18 36.5	+1.6
PARC	comp=N,132µm,0.5s			AML	AML		
PARC	comp=N,132µm,0.5s			AML	AML		
PARC	comp=N,132µm,0.5s			AML	AML		
PARC	comp=N,132µm,0.5s			AML	AML		
ABSI	comp=N,538µm,0.7s	2.17	30	P	Pb	17 18 36.7	-1.9
ABSI	comp=N,538µm,0.7s			AML	AML		
ABSI	comp=N,538µm,0.7s			AML	AML		
ABSI	comp=N,538µm,0.7s			AML	AML		
ABSI	comp=N,538µm,0.7s			AML	AML		
BNI	comp=N,96µm,1.3s	2.19	276	P	Pn	17 18 36.2	+0.7
BNI	comp=N,96µm,1.3s			AML	AML		
BNI	comp=N,96µm,1.3s			AML	AML		
BNI	comp=N,96µm,1.3s			AML	AML		
BNI	comp=N,96µm,1.3s			AML	AML		
CAFI	comp=N,130µm,0.5s	2.21	133	P	Pn	17 18 37.2	+1.6
CAFI	comp=N,130µm,0.5s			AML	AML		
CAFI	comp=N,130µm,0.5s			AML	AML		
CAFI	comp=N,130µm,0.5s			AML	AML		
CAFI	comp=N,130µm,0.5s			AML	AML		
PLONS	comp=N,185µm,0.9s	2.21	353	AML	AML		
PLONS	comp=N,185µm,0.9s			AML	AML		
PLONS	comp=N,185µm,0.9s			AML			

Table with columns: MOTA, Moosalm, 2.66, 20, ePn, Pb, 17 18 45.3 -1.7, etc. Lists various stations and their coordinates.

Table with columns: LNSS, comp=N,97um,0.6s, AML, AML, etc. Lists stations and their coordinates.

Table with columns: H08S1, Diego Garcia H, 36.27, 40, T, T, 18 14 28.0, etc. Lists stations and their coordinates.

MAN 03 17:41:37.1, 12:52N:123:59E, h58km, mb4.6, ML3.5, MS3.3, 2C-2D, Luzon

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc. Lists station data for MAN.

ISCJB 03 17:48:23.0, 2.0, 8, 32:62N, 0:07:76:7E, 0:1, h14km, mb3.4/4, Error ellipse: s-maj=17.5km s-min=4.2km az=147.6

IDC 03 17:48:23.0, 2.0, 2.6, 32:54N:76:56E, h0km, mb3.5/5, mb1 3.6/7, mb1mx3.4/5.2, mbtmp3.6/7, ML3.5/2, Error ellipse: s-maj=55.8km s-min=24.7km az=54.0

NNC 03 17:48:30.7, 3.5, 32:65N:76:39E, h51km, 31km, mb3.9, mp4.4, Error ellipse: s-maj=33.9km s-min=25.2km az=73.0

ISC 03 17:48:24.9, 0.9, 32:53N:0:07:76:5E, 0:1, h14km, n25, r139Z, mb3.5/4, 4C-4D, Kashmir-India border region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc. Lists station data for ISC.

IDC 03 17:57:59.3, 1.4, 8:81N:76:71W, h0km, mb3.6/4, mb1 3.9/5, mb1mx3.6/2, mbtmp3.6/5, ML1.8/1, MS3.2/1, Ms1 3.2/2, ms1mx2.4/2, Error ellipse: s-maj=121.0km s-min=25.0km az=57.0

RSNC 03 17:58:04.0, 0.8, 8:40N:77:10W, h29km, 5km, ML3.9, Mw3.7

ISC 03 17:57:59.8, 2.3, 8:42N:0:05:77:15W, 0:03, h2km, 16km, n21, c214/29, mb3.5/4, 2C, Panama-Colombia border region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc. Lists station data for ISC.

3d 18h

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like U39A Green Forest, R42A Rosebud, Q414 Golden Eagle, etc.

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Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like WWT Waverly, V46A Holladay, PKME Peaks-Kenny Pk, etc.

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Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like 151A Opelika, Z52A Williamson, 251A Midway, etc.

MEX 03 18:36:31.9; 0.3, 167.0N; 96.78W, h47km, 5km, MD3.6, Oaxaca

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes VHO Vista Hermosa.

IDC 03 18:45:29.2; 1.0, 40.03N; 19.67E, h0km, mb3.7/11, mb1 3.7/18, mb1mx3.6/49, nbtmp3.6/18, ML3.8/6, MS3.0/3, Ms1 3.0/3, ms1mx2.4/46, Error ellipse: s-maj=17.3km

ATH 03 18:45:31.6; 40.17N; 19.73E, h12km, 1km, ML3.5/18, Error ellipse: s-maj=1.2km, s-min=0.8km, az=115.0

THE 03 18:45:32.2; 40.15N; 19.77E, h0km, 1km, ML3.4/10, Error ellipse: s-maj=2.0km, s-min=0.7km, az=284.0

TIR 03 18:45:32.2; 40.10N; 19.81E, h9km, MD3.8/10, PDG 03 18:45:32.0; 0.5, 40.14N; 19.72E, h10km, 1km, ML3.6/11, Error ellipse: s-maj=0.5km, s-min=0.8km, az=0.0

ISC 03 18:45:32.2; 0.9, 40.16N; 0.01x19.77E; 0.02, h16km, 6km, n196, az90/254, mb3.7/10, 22C-8D, Albania

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes SRN Sarande, VLO Viora, KASSIOP Kassiopi, etc.

PENT	Pentalofos	1.05	88	P	Pb	18 45 51.8	-0.3
PENT	Tirane	1.19	41	P	Pb	18 46 07.7	+0.9
TIR	Tirane	1.19	4	P	Pb	18 45 53.6	+0.6
TIR	comp=E,6744µm,0.6s			AML	AML	18 46 18.3	
TIR	comp=N,6195µm,0.6s			AML	AML	18 46 19.3	
TIR	Tirane	1.19	4	P	Pb	18 45 57.1	+2.0
TIR	Ohrid	1.23	39	P	Pb	18 45 15.2	+5.1
OHR	Ohrid	1.23	39	P	Pb	18 45 15.2	+5.1
OHR	Florina	1.38	63	P	Pb	18 45 58.3	-0.4
FNA	comp=N,5144µm,0.6s			AML	AML	18 46 26.1	
FNA	Florina	1.38	63	P	Pb	18 45 57.2	+0.4
FNA	Florina	1.38	63	P	Pb	18 46 18.3	+1.6
FNA	Florina	1.38	63	P	Pb	18 46 20.0	+3.3
BIA	Bitola	1.47	54	S	Sg	18 46 21.3	+1.8
BIA	Bitola	1.47	54	P	Pb	18 46 00.2	-0.1
BIA	Bitola	1.47	54	P	Pb	18 46 22.9	+3.5
LKD2	Lefkada island	1.53	153	P	Pb	18 46 00.6	+0.4
LKD2	comp=N,4724µm,0.6s			AML	AML	18 46 22.3	+0.7
LKD2	Lefkada island	1.53	153	P	Pb	18 46 00.2	0.0
LKD2	Kozani	1.54	84	P	Pb	18 46 01.3	+0.5
KZN	comp=N,1837µm,0.9s			AML	AML	18 46 25.6	
KZN	Kozani	1.54	84	P	Pb	18 46 01.0	+0.6
KZN	Kozani	1.54	84	P	Pb	18 46 22.0	+2.0
KZN	Kozani	1.54	84	P	Pb	18 46 02.7	+0.4
KZN	Kozani	1.54	84	P	Pb	18 46 03.2	+0.4
KZN	Kozani	1.54	84	P	Pb	18 46 02.9	+0.1
KZN	Kozani	1.54	84	P	Pb	18 46 04.1	-0.6
KZN	Kozani	1.54	84	P	Pb	18 46 04.4	-0.5
KZN	Kozani	1.54	84	P	Pb	18 46 03.5	-0.4
KZN	Kozani	1.54	84	P	Pb	18 46 07.7	+0.6
KZN	Kozani	1.54	84	P	Pb	18 46 34.8	+4.1
KZN	Kozani	1.54	84	P	Pb	18 46 05.7	+0.5
KZN	Kozani	1.54	84	P	Pb	18 46 30.5	-0.5
KZN	Kozani	1.54	84	P	Pb	18 46 35.3	
KZN	Kozani	1.54	84	P	Pb	18 46 38.6	
KZN	Kozani	1.54	84	P	Pb	18 46 05.2	0.0
KZN	Kozani	1.54	84	P	Pb	18 46 29.7	+1.8
KZN	Kozani	1.54	84	P	Pb	18 46 06.7	-1.5
KZN	Kozani	1.54	84	P	Pb	18 46 32.5	+0.9
KZN	Kozani	1.54	84	P	Pb	18 46 28.4	-1.3
KZN	Kozani	1.54	84	P	Pb	18 46 05.6	-0.9
KZN	Kozani	1.54	84	P	Pb	18 46 31.5	+1.4
KZN	Kozani	1.54	84	P	Pb	18 46 40.1	
KZN	Kozani	1.54	84	P	Pb	18 46 40.9	
KZN	Kozani	1.54	84	P	Pb	18 46 05.4	+1.4
KZN	Kozani	1.54	84	P	Pb	18 46 38.6	+4.2
KZN	Kozani	1.54	84	P	Pb	18 46 09.9	+0.2
KZN	Kozani	1.54	84	P	Pb	18 46 39.0	+0.2
KZN	Kozani	1.54	84	P	Pb	18 46 39.0	+4.0
KZN	Kozani	1.54	84	P	Pb	18 46 08.7	+0.3
KZN	Kozani	1.54	84	P	Pb	18 46 41.9	
KZN	Kozani	1.54	84	P	Pb	18 46 45.0	
KZN	Kozani	1.54	84	P	Pb	18 46 08.6	+0.3
KZN	Kozani	1.54	84	P	Pb	18 46 29.7	+1.8
KZN	Kozani	1.54	84	P	Pb	18 46 11.1	-0.6
KZN	Kozani	1.54	84	P	Pb	18 46 45.5	+7.1
KZN	Kozani	1.54	84	P	Pb	18 46 08.5	-0.9
KZN	Kozani	1.54	84	P	Pb	18 46 37.5	-1.4
KZN	Kozani	1.54	84	P	Pb	18 46 08.1	-1.3
KZN	Kozani	1.54	84	P	Pb	18 46 07.7	+0.6
KZN	Kozani	1.54	84	P	Pb	18 46 51.3	
KZN	Kozani	1.54	84	P	Pb	18 46 51.4	
KZN	Kozani	1.54	84	P	Pb	18 46 07.0	+0.6
KZN	Kozani	1.54	84	P	Pb	18 46 09.2	-0.5
KZN	Kozani	1.54	84	P	Pb	18 46 08.9	-0.8
KZN	Kozani	1.54	84	P	Pb	18 46 09.1	-1.7
KZN	Kozani	1.54	84	P	Pb	18 46 47.3	
KZN	Kozani	1.54	84	P	Pb	18 46 50.0	
KZN	Kozani	1.54	84	P	Pb	18 46 10.4	-0.5
KZN	Kozani	1.54	84	P	Pb	18 46 02.2	0.2
KZN	Kozani	1.54	84	P	Pb	18 46 10.8	-0.9
KZN	Kozani	1.54	84	P	Pb	18 46 38.6	-0.3
KZN	Kozani	1.54	84	P	Pb	18 46 10.7	-1.6
KZN	Kozani	1.54	84	P	Pb	18 46 41.4	-2.8
KZN	Kozani	1.54	84	P	Pb	18 46 12.2	-0.8
KZN	Kozani	1.54	84	P	Pb	18 46 53.2	
KZN	Kozani	1.54	84	P	Pb	18 46 54.0	
KZN	Kozani	1.54	84	P	Pb	18 46 11.4	-1.6
KZN	Kozani	1.54	84	P	Pb	18 46 12.5	-0.6
KZN	Kozani	1.54	84	P	Pb	18 46 12.2	-0.9
KZN	Kozani	1.54	84	P	Pb	18 46 12.3	-1.0
KZN	Kozani	1.54	84	P	Pb	18 46 11.0	-2.3
KZN	Kozani	1.54	84	P	Pb	18 46 10.8	-0.9
KZN	Kozani	1.54	84	P	Pb	18 46 41.3	-3.1
KZN	Kozani	1.54	84	P	Pb	18 46 13.6	-1.2
KZN	Kozani	1.54	84	P	Pb	18 46 14.8	-0.1
KZN	Kozani	1.54	84	P	Pb	18 46 51.9	+2.9
KZN	Kozani	1.54	84	P	Pb	18 46 15.7	-2.4
KZN	Kozani	1.54	84	P	Pb	18 46 54.1	+5.0
KZN	Kozani	1.54	84	P	Pb	18 46 13.7	-1.3
KZN	Kozani	1.54	84	P	Pb	18 46 12.8	+2.1
KZN	Kozani	1.54	84	P	Pb	18 46 13.5	-1.9
KZN	Kozani	1.54	84	P	Pb	18 46 44.8	-0.3
KZN	Kozani	1.54	84	P	Pb	18 46 15.2	-0.5
KZN	Kozani	1.54	84	P	Pb	18 46 46.9	+1.0
KZN	Kozani	1.54	84	P	Pb	18 46 13.6	-2.3
KZN	Kozani	1.54	84	P	Pb	18 46 50.1	-0.9
KZN	Kozani	1.54	84	P	Pb	18 46 13.9	-2.3
KZN	Kozani	1.54	84	P	Pb	18 46 47.1	+0.6
KZN	Kozani	1.54	84	P	Pb	18 46 14.5	-1.7
KZN	Kozani	1.54	84	P	Pb	18 46 14.1	-2.3
KZN	Kozani	1.54	84	P	Pb	18 46 47.2	+0.5
KZN	Kozani	1.54	84	P	Pb	18 46 12.9	+1.0
KZN	Kozani	1.54	84	P	Pb	18 46 14.7	-1.7
KZN	Kozani	1.54	84	P	Pb	18 46 57.0	
KZN	Kozani	1.54	84	P	Pb	18 46 58.1	
KZN	Kozani	1.54	84	P	Pb	18 46 15.5	-1.0
KZN	Kozani	1.54	84	P	Pb	18 46 15.0	-2.1
KZN	Kozani	1.54	84	P	Pb	18 46 14.8	-2.5
KZN	Kozani	1.54	84	P	Pb	18 46 15.4	-1.8
KZN	Kozani	1.54	84	P	Pb	18 46 16.4	-1.2
KZN	Kozani	1.54	84	P	Pb	18 46 15.5	+2.3
KZN	Kozani	1.54	84	P	Pb	18 46 15.7	+2.3
KZN	Kozani	1.54	84	P	Pb	18 46 15.7	+2.2
KZN	Kozani	1.54	84	P	Pb	18 46 15.7	+2.3
KZN	Kozani	1.54	84	P	Pb	18 46 16.7	+2.1
KZN	Kozani	1.54	84	P	Pb	18 46 51.8	-0.5
KZN	Kozani	1.54	84	P	Pb	18 46 18.3	-1.7
KZN	Kozani	1.54	84	P	Pb	18 46 52.7	+0.3
KZN	Kozani	1.54	84	P	Pb	18 46 18.5	-1.9
KZN	Kozani	1.54	84	P	Pb	18 46 53.2	-0.3
KZN	Kozani	1.54	84	P	Pb	18 46 17.8	-2.6
KZN	Kozani	1.54	84	P	Pb	18 46 52.9	-0.5
KZN	Kozani	1.54	84	P	Pb	18 46 18.4	-2.7
KZN	Kozani	1.54	84	P	Pb	18 46 17.4	+1.7
KZN	Kozani	1.54	84	P	Pb	18 46 18.4	+2.5
KZN	Kozani	1.54	84	P	Pb	18 46 16.7	+0.8

NEO	Neokhori	2.80	107	P	Pn	18 46 18.6	+2.3
NEO	Kalavryta, Ach	2.81	138	P	Pn	18 46 19.3	+2.8
NEO	Sohi	2.81	75	P	Pn	18 46 19.5	+2.9
NEO	Polygyros	2.82	84	P	Pb	18 46 19.9	+2.3
NEO	Polygyros	2.82	84	P	Pb	18 46 18.9	+2.2
NEO	Bratogost	2.89	342	P	Pn	18 46 19.3	+2.0
NEO	Bratogost	2.89	342	P	Pn	18 46 19.1	+1.4
NEO	Lokris	2.92	120	P	Pn	18 46 20.5	+2.5
NEO	Goura	2.99	137	P	Pn	18 46 21.6	+2.5
NEO	Skiahiotis	3.02	108	P	Pn	18 46 21.4	+2.1
NEO	Skiahiotis-Makis	3.03	149	P	Pn	18 46 21.2	+4.4
NEO	KKB Krupnik	3.04	55	P	Pb	18 46 23.6	-2.2
NEO	Srsi	3.06	71	P	Pn	18 46 23.1	+3.2
NEO	Srsi	3.06	71	P	Pn	18 46 22.9	+2.9
NEO	Prodromos	3.09	127	P	Pn	18 47 00.6	-2.9
NEO	Unac-Piva	3.11	348	P	Pn	18 46 20.5	+2.7
NEO	Unac-Piva	3.11	348	P	Pn	18 47 02.4	-2.6
NEO	Ston	3.12	331	P	Pn	18 46 22.2	+1.4
NEO	Ston	3.12	331	P	Pn	18 46 21.9	+1.2
NEO	Ston	3.12	331	P	Pn	18 46 21.7	+0.6
NEO	Pljevlja	3.18	355	P	Pn	18 46 24.9	-3.5
NEO	Pljevlja	3.18	355	P	Pn	18 47 04.0	-3.0
NEO	Loutraki	3.28	130	P	Pn	18 46 25.4	+2.5
NEO	Alonissos	3.32	106	P	Pn	18 46 26.0	+2.5
NEO	Alonissos	3.32	106	P	Pn	18 46 25.1	+1.6
NEO	Musomiste	3.33	63	P	Pn	18 46 27.4	+3.4
NEO	Nevrokopi	3.33	68	P	Pn	18 46 26.9	+3.2
NEO	Ithomi	3.42	150	P	Pn	18 46 27.3	+2.4
NEO	Vlachokerasia	3.45	143	P	Pn	18 46 28.1	+2.8
NEO	Vitohsa	3.55	46	P	Pn	18 46 28.9	+2.1
NEO	Vitohsa	3.55	46	P	Pn	18 47 05.9	+3.1
NEO	Erétria	3.67	117	P	Pn	18 46 30.9	+2.6
NEO	Lazići	3.71	356	P	Pn	18 46 33.7	-3.7
NEO	Didima	3.79	133	P	Pn	18 46 31.6	+1.7
NEO	Penteli	3.82	122	P	Pn	18 46 32.9	+2.6
NEO	Dionisos Attik	3.85	121	P	Pn	18 46 32.6	+1.9
NEO	Fluviathens	3.89	125	P	Pn	18 46 34.8	+2.8
NEO	Divraba	3.94	2	P	Pn	18 46 34.3	+1.3
NEO	Rozhen	4.05	66	P	Pn	18 46 38.0	+4.3
NEO	Kurdzhali	4.53	69	P	Pn	18 46 42.9	+2.8
NEO	Banja Luka	4.97	338	P	Pn	18 46 50.8	+4.7
NEO	Banja Luka	4.97	338	P	Pn	18 46 50.7	+4.6
NEO	Spring	5.00	0	P	Pn	18 46 50.7	+4.6
NEO	Herculane	5.11	212	P	Pn	18 46 50.5	+2.5
NEO	Aquila	5.28	297	P	Pn	18 46 54.9	+4.5
NEO	Udubina	5.28	327	P	Pn	18 46 53.2	+2.8
NEO	Udubina	5.28	327	P	Pn	18 47 53.8	+2.9
NEO	Udubina	5.28	327	P	Pn	18 47 04.0	+3.1
NEO	Udubina	5.28	327	P	Pn	18 46 57.8	+2.7
NEO	Udubina	5.28	327	P	Pn	18 46 58.1	+2.0
NEO	Udubina	5.28	327	P	Pn	18 48 0	

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Oni, Vedeno, Kuba-Taba, Botlikh, Neytrino, etc.

MOS 03.21:02:34.71, 3.5:60S:151.16E, h33km, mb5.3/13, Error ellipse: s-maj=11.2km s-min=7.7km az=65.7

ISC/JB 03.21:02:36.70, 9.5:80S:0.04x151.16E:0.03, h49km, 8km, mb4.6/91, MS3.8/21, Error ellipse: s-maj=6.8km

GCMT 03.21:02:38.50, 4.5:98S:0.02x151.32E:0.03, h35km, 1km, MW4.9/64, Moment Tensor Solution. s27.c29: 567.0

NEIC 03.21:02:38.50, 4.5:73S:151.20E, h56km, 7km, mb5.0/48 Error ellipse: s-maj=7.6km s-min=5.2km az=131.0

DJA 03.21:02:45.0, 1.9, 6'S:11x15.1E:1.2, h97km, 11km, M5.2/12, mb5.0/12, mb5.5/4, MLv5.4/1, Mw(mb)4.9/4

ISC 03.21:02:40.6, 0.7, 5.88S:0.04x151.24E:0.04, h74km, 6km, n214, s196/212, mb4.98, 7C-3D, New Britain region

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Rabaul, Port Moresby, Honiara, Jayapura, etc.

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Tagaytay City, Urewera, Rata Peaks, Narogin (SRO), Nukatsue, etc.

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

Table with columns: XpF0, P, 95.13, 57, eP, P, 21 15 57.3 +1.0. Includes stations like Pison Flat, Hector Ludlow, Shoshone, Teco, Topopah Spring, etc.

MEX 03 21:12:31.1-0.5, 16.46N-98.45W, h13km, MD3.7, Near coast of Guerrero. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

NORS 03 21:44:44.6-0.0, 40.72N-48.37E, h4km, MPVA3.4. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

KRSC 03 22:14:57.2-1.1, 49.60N-156.75E, h8km, 20km, ML3.9, Kuril Islands. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

RUS AVH Koychak 3.88 18 eP Pn 22 16 25.8 -3.2. KRER Avryashkii 3.92 18 eP Pn 22 16 01.7 +3.9

SJA 03 22:19:07.5-0.6, 28.27S-67.45W, h136km, 3km, ML3.5, MW4.9, La Rioja Province. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

DJA 03 22:21:53.3-1.3, 8°S, 9°12'E, h10km, M3.7/3, MLv3.7/3, Banda Sea. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

ASRS 03 22:23:17.9-1.4, 46.78N-98.18E, h15km, Ms4.6/1. Includes text: IDC 03 22:23:19.7-0.5, 46.87N-98.01E, h0km, mb4.3/28, mb1.4/32, mb1mx4.3/63, mbtmp4.3/32, ML3.5/4, MS3.9/21, Ms1.3/9.21, ms1mx3.7/41, Error ellipse: s-maj=13.8km s-min=9.2km az=10.0.

ZAK ZAK 5.07 43 eP Pn 22 24 37.0 -1.5. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

HVS Khovu-Aksy 5.12 329D iP Pn 22 24 39.3 +0.1. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

SONM Songoing Array 5.90 77 eP Pn 22 24 47.4 -2.6. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

CERR Cheremushki 7.34 328 eP Pn 22 25 10.2 +0.5. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

AKAR Akash 7.65 301 eP Pn 22 25 14.7 +0.7. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

SKR Severo-Kuril's 1.16 340 P Pn 22 15 19.0 -0.5. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

Table with columns: ARTR Artybash 8.52 310 eSg Sn 22 27 50.8 -4.9. Includes stations like ARTR, TASR, Tashtagol, Ust'-Kan, Ust'-Kan, Eitsova, Makanchi Array, Zalesovo Array, Zalesovo Beam, Lanzhou, Semipalatinsk, Novosibirsk, Kurchatov, Podgornoye, Taldygorgan, Uzunbulak, Kokpek, Saty, Przhval'sk, Bodaiho, Hailu, Beijing, Bajituau, Medeo, Alma-Ata, Xian.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like HNTI Hanita, OFRI Ofer, MMA6B Mount Meron ar, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like ASKAR Akbulak array, SNA4 Sanae, VNA2 Neumayer-Watz, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like PTGA comp=Z,12nm,0.8s, PTGA comp=Z,59nm,1.1s, etc.

3d 22h

X48A	Hartselle	49.73 348	P	P	22 57 44.0	-2.4
W53A	Cullowhee	49.80 353	P	P	22 57 44.1	-3.0
W52A	Murphy	49.83 352	eP	P	22 57 46.0	-1.3
W52A	Murphy	49.83 352	P	P	22 57 43.7	-3.5
X47A	Russelville	49.96 347	P	P	22 57 45.5	-2.6
W51A	Cleveland	50.02 351	P	P	22 57 46.8	-1.8
Z41A	Richland Creek	50.03 342	eP	P	22 57 47.2	-1.5
Z41A	Richland Creek	50.03 342	P	P	22 57 47.2	-1.5
HPIG		50.12 325	eP	P	22 57 50.3	+0.5
W50A	Signal Mountai	50.15 350	eP	P	22 57 47.5	-2.1
W50A	Signal Mountai	50.15 350	P	P	22 57 47.9	-1.7
W49A	Belvidere	50.23 349	P	P	22 57 48.1	-2.1
V53A	Saluda	50.25 353	eP	P	22 57 48.9	-1.5
V53A	Saluda	50.25 353	P	P	22 57 48.9	-1.5
CPCT	Cooper Cave	50.27 351	eP	P	22 57 50.4	-0.1
OXF	Oxford	50.30 347	eP	P	22 57 49.1	-1.6
HOPE	Hope Point	50.36 151	eP	P	22 57 52.9	+1.9
W48A	Pulaski	50.37 349	P	P	22 57 49.5	-1.8
PLAL	Pickwick Lake	50.45 347	eP	P	22 57 51.1	-0.7
WHTX	Lake Whitney	50.49 336	P	P	22 57 50.5	-1.7
V52A	Sevierville	50.52 352	P	P	22 57 50.8	-1.6
V50A	Pikeville	50.57 351	P	P	22 57 51.1	-1.6
V51A	Loudon	50.59 351	eP	P	22 57 51.9	-1.0
V51A	Loudon	50.59 351	P	P	22 57 50.7	-2.2
W47A	Westpoint	50.61 348	P	P	22 57 51.3	-1.8
V49A	McMinnville	50.80 350	P	P	22 57 52.6	-1.9
U53A	Fall Branch	50.91 353	P	P	22 57 53.3	-2.1
V48A	Smith Brothers	50.94 349	eP	P	22 57 53.7	-1.9
V48A	Smith Brothers	50.94 349	P	P	22 57 53.4	-2.1
TXAR	Lajitas Array	50.98 329	P	LR	22 57 55.6	-0.5
TXAR	Lajitas Ar. Si	50.98 329	P	LR	23 18 15.5	
TX31	Thorn Hill	51.03 353	P	P	22 57 55.9	-0.2
U52A	La Follette	51.11 352	P	P	22 57 54.8	-1.5
U51A	La Follette	51.11 352	P	P	22 57 55.0	-1.9
V47A	Nunnely	51.16 348	P	P	22 57 55.9	-1.3
TZTN	Tazewell	51.21 352	eP	P	22 57 56.3	-1.3
TZTN	Tazewell	51.21 352	P	P	22 57 56.7	-0.8
U50A	Jamestown	51.26 351	P	P	22 57 55.9	-2.1
MIAR	Mount Ida	51.46 342	eP	P	22 57 58.5	-1.0
MIAR	Mount Ida	51.46 342	P	P	22 57 58.5	-1.0
MIAR	Mount Ida	51.46 342	P	P	22 57 58.5	-1.0
MIAR	Mount Ida	51.46 342	P	P	22 57 58.5	-1.0
WVT	Waverly	51.51 348	P	P	22 57 58.7	-1.1
BLA	Blacksburg	51.55 356	P	P	22 57 59.0	-1.1
X39A	Fountain Ranch	51.60 341	P	P	22 57 59.5	-1.0
U48A	Cassie Pea, Po	51.63 349	P	P	22 57 59.7	-1.0
W41B	Gary Mavity, V	51.66 343	eP	P	22 57 59.1	-0.8
W41B	Gary Mavity, V	51.66 343	P	P	22 57 59.9	-1.1
T51A	Gray	51.67 352	P	P	22 57 59.3	-1.7
T52A	Hallie	51.70 353	P	P	22 58 00.1	-1.1
WHAR	Woolly Hollow	51.78 343	eP	P	22 58 01.0	-0.8
T50A	Nancy	51.85 351	P	P	22 58 00.2	-2.1
W40A	Ferguson Farm	51.91 342	eP	P	22 58 02.7	-0.1
ABTX	Abilene, Hawle	51.92 335	eP	P	22 58 02.8	-0.2
ABTX	Abilene, Hawle	51.92 335	P	P	22 58 02.0	-1.0
T49A	Edmonton	52.04 351	eP	P	22 58 02.0	-1.8
T49A	Edmonton	52.04 351	P	P	22 58 02.4	-1.4
W39A	Magazine	52.13 342	eP	P	22 58 04.4	-0.1
R58B	Mineral	52.18 358	P	P	22 58 03.7	-1.0
T48A	Bowling Green	52.19 350	P	P	22 58 03.8	-1.1
T47A	Sharon Grove	52.20 349	eP	P	22 58 04.3	-0.7
T47A	Sharon Grove	52.20 349	P	P	22 58 03.4	-1.6
V41A	Mountainview	52.21 344	P	P	22 58 03.5	-1.5
S51A	Beattyville	52.29 353	eP	P	22 58 02.7	-3.0
T46A	Princeton	52.40 348	P	P	22 58 05.8	-0.7
V40A	Witts Springs	52.41 343	eP	P	22 58 05.6	-1.0
V40A	Witts Springs	52.41 343	P	P	22 58 06.1	-0.5
S50A	Richmond	52.44 352	P	P	22 58 04.9	-1.8
U42A	Reverend	52.50 345	P	P	22 58 05.1	-2.1
S48A	Wiedeman Farm	52.67 350	P	P	22 58 07.2	-1.3
S49A	Springfield	52.67 351	P	P	22 58 07.3	-1.1
U41A	Viola	52.67 344	P	P	22 58 06.5	-2.0
V39A	Pettigrew	52.69 342	P	P	22 58 07.3	-1.3
PBMO	Poplar Bluff	52.71 346	eP	P	22 58 07.1	-1.6
S47A	Hartford	52.75 349	P	P	22 58 07.6	-1.4
U40A	Yellville	52.94 343	P	P	22 58 08.9	-1.6
R51A	Hillsboro	52.94 353	P	P	22 58 08.8	-1.7
T43A	Greenville	52.96 346	P	P	22 58 08.8	-1.7
R50A	Paris	53.02 352	P	P	22 58 09.2	-1.8
T42A	Van Buren	53.11 345	eP	P	22 58 10.1	-1.6
T42A	Van Buren	53.11 345	P	P	22 58 09.9	-1.8
U39A	Green Forest	53.14 343	P	P	22 58 10.4	-1.5
R49A	Shelbyville	53.15 351	P	P	22 58 10.3	-1.7
HHAR	Hobbs	53.18 342	eP	P	22 58 11.4	-0.9
WCI	Wyandotte Cave	53.27 350	eP	P	22 58 12.2	-0.6

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WCI	Wyandotte Cave	53.27 350	eP	P	22 58 12.2	-0.6
WCI	Wyandotte Cave	53.27 350	P	P	22 58 10.4	-2.4
S44A	Carbondale	53.31 347	P	P	22 58 11.6	-1.6
SIUC	Southern Illin	53.33 347	eP	P	22 58 11.5	-1.8
R48A	Northridge Ran	53.36 351	P	P	22 58 11.3	-2.2
R47A	Wooly Knot Far	53.37 350	P	P	22 58 11.5	-2.1
S43A	Fulton Ridge,	53.38 346	P	P	22 58 11.8	-1.8
TUL1	Leonard	53.42 340	eP	P	22 58 13.2	-0.9
TUL1	Leonard	53.42 340	P	P	22 58 12.4	-1.6
WMOK	Wichita Mounta	53.43 337	eP	P	22 58 13.3	-0.7
WMOK	Wichita Mounta	53.43 337	P	P	22 58 13.4	-0.7
WMOK	Wichita Mounta	53.43 337	P	P	22 58 12.4	-1.7
Q52A	Bidwell	53.45 354	P	P	22 58 11.8	-2.4
Q51A	Peebles	53.63 353	P	P	22 58 13.0	-2.5
R45A	Skylar, Fairir	53.69 348	P	P	22 58 13.5	-2.4
T39A	Cleaver	53.71 343	P	P	22 58 14.3	-1.8
S42A	Caledonia	53.74 346	P	P	22 58 14.9	-1.4
MNTX	Cornudas Mount	53.76 329	eP	P	22 58 15.5	-1.1
MNTX	Cornudas Mount	53.76 329	P	P	22 58 15.0	-1.6
S41A	Jillico Farms,	53.80 345	P	P	22 58 15.0	-1.8
R44A	Waltonville	53.81 347	P	P	22 58 14.9	-1.9
Q49A	Aurora	53.81 352	P	P	22 58 15.3	-1.5
Q48A	North Vernon	53.86 351	P	P	22 58 15.0	-2.2
P53A	Whipple	53.89 355	P	P	22 58 15.4	-2.0
Q47A	Bedord North L	53.98 350	P	P	22 58 15.9	-2.1
T38A	Diamond	53.99 342	P	P	22 58 17.1	-1.1
R43A	Red Bud	54.02 347	P	P	22 58 16.0	-2.3
P51A	Whitesport	54.05 353	P	P	22 58 16.9	-1.6
OLIL	Olney	54.08 349	eP	P	22 58 16.9	-1.8
P52A	Corning	54.10 354	P	P	22 58 17.0	-1.9
MVL	Millersville	54.19 360	eP	P	22 58 19.4	-0.1
BLO	Bloomington	54.22 350	eP	P	22 58 22.8	+3.0
BLO	Bloomington	54.22 350	P	P	22 58 22.8	+3.0
R42A	Luebbering	54.22 346	P	P	22 58 18.2	-1.6
Q45A	Warren Harvey,	54.25 349	P	P	22 58 17.2	-2.7
P50A	Jamestown	54.26 353	P	P	22 58 17.7	-2.4
P49A	Miami Univ. Ec	54.30 352	P	P	22 58 17.8	-2.6
S39A	Bolivar	54.32 343	eP	P	22 58 19.1	-1.5
S39A	Bolivar	54.32 343	P	P	22 58 18.8	-1.7
P48A	Milroy	54.33 351	P	P	22 58 18.0	-2.6
R41A	Rosebud	54.38 345	P	P	22 58 18.8	-2.2
MSTX	Muleshoe	54.41 333	eP	P	22 58 20.5	-0.9
MSTX	Muleshoe	54.41 333	P	P	22 58 18.7	-2.8
Q44A	Meyer Farm, Va	54.43 348	P	P	22 58 18.9	-2.4
S38A	Stockton	54.43 343	P	P	22 58 19.5	-1.8
P47A	Martinsville	54.49 350	P	P	22 58 19.6	-2.1
O56A	Blue Knob Stat	54.50 358	eP	P	22 58 21.2	-0.7
O56A	Blue Knob Stat	54.50 358	P	P	22 58 20.5	-1.4
O52A	Adamsville	54.55 355	P	P	22 58 21.0	-1.2
Q43A	New Douglas	54.61 347	P	P	22 58 21.0	-1.6
O51A	Pataskala	54.66 354	P	P	22 58 22.2	-0.8
Q42A	Golden Eagle	54.77 346	P	P	22 58 22.2	-1.6
O50A	Cable	54.77 353	P	P	22 58 22.0	-1.8
ACSO	Alum Creek Sta	54.78 354	P	P	22 58 22.2	-1.6
P45A	Graceland, Par	54.78 349	eP	P	22 58 21.6	-2.2
P45A	Graceland, Par	54.78 349	P	P	22 58 21.7	-2.1
LUPA	Lehigh Univers	54.79 1	eP	P	22 58 23.9	0.0
SSPA	Standing Stone	54.84 358	eP	P	22 58 23.0	-1.3
SSPA	Standing Stone	54.84 358	P	P	22 58 22.0	-2.2
O49A	Covington	54.90 352	P	P	22 58 22.5	-2.2
O48A	Farmland	55.08 352	P	P	22 58 23.9	-2.1
N59A	State Game Lan	55.10 0	eP	P	22 58 26.2	0.0
N59A	State Game Lan	55.10 0	P	P	22 58 24.9	-1.3
PAL	Palisades	55.23 2	P	P	22 58 26.1	-0.9
P43A	Skaggs, Pawnee	55.24 348	P	P	22 58 25.7	-1.5
N54A	Moraine State	55.26 357	P	P	22 58 26.0	-1.3
P42A	Winchester	55.37 347	P	P	22 58 26.4	-1.7
N51A	Ashland	55.40 354	P	P	22 58 26.5	-1.8
O45A	Potomac	55.48 349	P	P	22 58 26.7	-2.2
SFIN	Lafayette	55.50 350	P	P	22 58 26.9	-2.1
Q38A	Cooks Store, C	55.59 344	P	P	22 58 28.0	-1.7
N49A	Columbus Grove	55.60 353	eP	P	22 58 32.4	+2.7
N49A	Columbus Grove	55.60 353	P	P	22 58 28.2	-1.5
P41A	Barry, Barry	55.61 346	P	P	22 58 28.2	-1.7
1						

LCMT	Little Creek M	61.95 327 eP	P	22 59 14.7 +0.4
HEC	Hector Ludlow	62.08 323 P	P	22 59 15.6 +0.5
E38A	The Farm, Brul	62.34 348 P	P	22 59 18.0 +1.6
E38A	The Farm, Brul	62.34 348 P	P	22 59 17.0 +0.6
CCUT	Cedar City	62.42 327 eP	P	22 59 18.4 +1.0
BFSC	Mount Baldy Ra	62.45 322 P	P	22 59 18.0 +0.4
MSU	Maryvale	62.54 329 eP	P	22 59 18.6 +0.4
MSU	Maryvale	62.54 329 eP	P	22 59 18.6 +0.4
P17A	Butcher Ranch,	62.58 330 eP	P	22 59 18.4 0.0
SHPR	Sheep Range	62.62 325 eP	P	22 59 19.3 +0.6
GSC	Goldstone, Bar	62.69 323 eP	P	22 59 19.9 +0.8
GSC	Goldstone, Bar	62.69 323 eP	P	22 59 19.9 +0.8
GSC	Goldstone, Bar	62.69 323 P	P	22 59 19.9 +0.8
GSC	Goldstone, Bar	62.69 323 P	P	22 59 19.9 +0.8
TAOE	Nuku Hiva Isla	62.70 267 eLR	LR	23 17 55.5
TAOE	Nuku Hiva Isla	62.70 267 eT	T	00 07 15.4
SHOC	Shoshone, Teco	62.81 324 P	P	22 59 20.6 +0.8
EDW2	Edwards Air Fo	63.09 322 P	P	22 59 22.5 +0.7
K22A	Casper	63.30 335 eP	P	22 59 22.8 -0.3
PSUT	Pine Spruce	63.41 328 eP	P	22 59 24.7 +0.7
SCZ2	Santa Cruz Isl	63.49 320 P	P	22 59 24.7 +0.4
TPNV	Topopah Spring	63.54 325 eP	P	22 59 25.6 +0.7
TPNV	Topopah Spring	63.54 325 eP	P	22 59 25.6 +0.7
TPNV	Topopah Spring	63.54 325 P	P	22 59 24.9 0.0
RSSD	Black Hills	63.59 338 P	P	22 59 25.1 0.0
MLMC	Manual Prospec	63.62 323 P	P	22 59 25.0 -0.4
JPLU	Jordanella	63.80 331 eP	P	22 59 27.2 +0.7
ISA	Isabella, Lake	63.92 322 eP	P	22 59 27.8 +0.6
ISA	Isabella, Lake	63.92 322 eP	P	22 59 27.8 +0.6
ISA	Isabella, Lake	63.92 322 P	P	22 59 27.2 -0.1
DUG	Dugway, Tooele	64.15 330 P	P	22 59 28.6 -0.1
R11A	Troy Canyon, C	64.19 326 eP	P	22 59 29.5 +0.4
R11A	Troy Canyon, C	64.19 326 P	P	22 59 29.2 +0.1
PKM	Mpchsner Peak	64.20 321 P	P	22 59 29.4 +0.2
CWC	Cottonwood Cre	64.22 323 P	P	22 59 29.6 +0.3
SMMC	Simmler	64.59 321 P	P	22 59 32.3 +0.7
HWUT	Hardware Ranch	64.64 331 eP	P	22 59 31.3 -0.7
BW06	Boulder Array	64.67 333 P	P	22 59 31.5 -0.7
PD31	Pinedale Array	64.67 333 P	P	22 59 31.6 -0.5
PDAR	Pinedale Array	64.67 333 P	P	22 59 31.1 -1.1
PDAR	Pinedale Array	64.67 333 P	P	22 59 27.0
PDAR	Pinedale Array	64.67 333 P	P	22 59 30.4 -1.7
AGMN	Agassiz Nation	64.89 346 P	P	22 59 32.5 -0.8
AHSD	Auburn Hatcher	65.34 332 eP	P	22 59 36.4 -0.2
MDND	Madlock	65.46 343 P	P	22 59 36.3 -0.6
DRLN	Deer Lake	65.57 13 eP	P	22 59 37.2 -0.4
NV11	Minna Array Sit	65.66 325 eP	P	22 59 39.1 +0.5
NV01	Minna Array Sit	65.74 325 eP	P	22 59 39.2 0.0
NVAR	Minna Array Bea	65.74 325 P	P	22 59 39.6 +0.4
LOHW	Long Hollow	65.80 333 eP	P	22 59 39.9 -0.4
TPAW	Teton Pass	65.85 333 eP	P	22 59 39.9 0.0
FXWY	Fox Creek	66.00 333 eP	P	22 59 40.4 -0.4
FLWY	Flag Ranch	66.22 334 eP	P	22 59 42.4 +0.2
MYLM	Yosemite Lake	66.23 323 eP	P	22 59 38.8 -3.3
H17A	Grant Village	66.41 334 P	P	22 59 43.1 -0.4
RLMT	Red Lodge	66.46 335 eP	P	22 59 43.0 -0.6
RLMT	Red Lodge	66.46 335 P	P	22 59 43.1 -0.6
YERR	Yerington	66.65 325 eP	P	22 59 45.8 +0.8
ULM	Lac du Bonnet	66.72 346 P	P	22 59 42.6 -2.4
ULM	Lac du Bonnet	66.72 346 eP	P	22 59 43.3 -1.4
ULM	Lac du Bonnet	66.72 346 eP	P	22 59 43.3 -1.4
YHM	Holmes Hill	66.85 334 eP	P	22 59 47.1 +0.8
YHB	Horse Butte	66.96 334 eP	P	22 59 47.9 +1.0
GCMT	Greyhilt	67.17 335 eP	P	22 59 48.8 +0.7
PAHR	Pah Rah Range	67.23 325 eP	P	22 59 49.5 +0.9
HLID	Hailey	67.49 331 eP	P	22 59 50.4 +0.1
HLID	Hailey	67.49 331 P	P	22 59 50.2 -0.1
MCMT	McKenzie Canyo	67.73 333 eP	P	22 59 52.3 +0.3
BOZ	Bozeman (W)	67.82 334 eP	P	22 59 51.7 -0.6
BOZ	Bozeman (W)	67.82 334 eP	P	22 59 51.7 -0.6
BOZ	Bozeman (W)	67.82 334 P	P	22 59 51.8 -0.4
BEKR	Beckworth	67.89 325 eP	P	22 59 53.5 +0.7
DLMT	Dillon	68.06 333 eP	P	22 59 55.3 +1.6
ORV	Oroville	68.32 324 eP	P	22 59 55.9 +0.6
ORV	Oroville	68.32 324 eP	P	22 59 55.9 +0.6
VNA3	Neumayer Olymp	68.92 161 P	P	22 59 59.7 +1.0
EGMT	Eagleton	69.03 337 P	P	22 59 59.4 -0.2
VNA1	Neumayer-Stat	69.19 161 P	P	23 00 01.7 +1.5
TBI	Tubuai	69.24 250 eS	S	23 09 04.8 -1.4
TBI	Tubuai	69.24 250 eLR	LR	23 20 59.2
TBI	Tubuai	69.24 250 eT	T	00 15 29.3
MOD	Modoc Plateau	69.26 326 eP	P	23 00 01.3 0.0
OCD	Mt. Diablo Mer	69.47 324 P	P	23 00 02.6 0.0
SH20	Schefferville	69.49 6 LR	LR	23 31 49.0
VNA2	Neumayer-Watz	69.50 161 P	P	23 00 03.6 +1.1
MSO	Missoula	69.78 333 eP	P	23 00 05.3 +0.9
MSO	Missoula	69.78 333 P	P	23 00 04.2 -0.2

TIAR	Tiarei	69.97 256 eT	T	00 16 22.3
M04C	Macdoel	70.01 325 P	P	23 00 05.8 -0.2
PP2T	Papeete2	70.18 256 eS	S	23 09 13.6 -3.9
PP2T	Papeete2	70.18 256 eLR	LR	23 21 25.3
PP2T	Papeete	70.18 256 LR	LR	23 22 10.4
M02C	Callahan	70.31 324 P	P	23 00 07.3 -0.4
YBH	Blue Hor	70.46 325 P	P	23 00 06.9 -1.7
L04D	Klamath Falls	70.56 325 P	P	23 00 08.7 -0.6
J05D	Fort Rock, OR	70.71 327 P	P	23 00 10.2 0.0
PINE	Pine Mountain	70.90 327 eP	P	23 00 12.0 +0.6
G08A	Pilot Rock	70.96 330 eP	P	23 00 11.8 +0.2
SNA4	Sanae	71.14 161 P	P	23 00 13.4 +1.1
SNA4	Sanae	71.14 161 eP	P	23 00 12.9 +0.5
SNA4	Sanae	71.14 161 eP	P	23 00 13.1 +0.8
J04D	Umuqua Nationa	71.14 326 P	P	23 00 13.0 +0.1
E09A	Wood Farm, Sta	71.45 331 eP	P	23 00 14.3 -0.1
WALA	Wahluke Lakes	71.51 335 eP	P	23 00 14.9 0.0
I04A	Tendick Farm,	71.68 327 P	P	23 00 15.8 -0.2
HAWA	Hanford	72.03 330 eP	P	23 00 18.8 +0.9
G05D	Wamic, OR	72.10 328 P	P	23 00 18.2 -0.2
NEW	Newport	72.28 333 P	P	23 00 19.0 -0.4
NEW	Newport	72.28 333 P	P	23 00 19.0 -0.4
NEW	Newport	72.28 333 P	P	23 00 19.5 +0.1
B08A	Colville Reser	73.35 332 P	P	23 00 25.5 -0.3
PMO2	Porto Moniz, M	73.38 49 eP	P	23 00 29.0 +2.6
LON	Longmire	73.39 329 eP	P	23 00 27.3 +1.2
LON	Longmire	73.39 329 eP	P	23 00 27.3 +1.2
LIC	Lamto	73.51 79 eP	P	23 00 26.9 -0.5
TIC	Toumodi	73.64 79 eP	P	23 00 27.8 -0.4
GSM	Grass Mountain	73.70 330 eP	P	23 00 28.0 0.0
GSM	Grass Mountain	73.70 330 eP	P	23 00 28.0 0.0
DBIC	Dimbokro	73.70 79 eP	P	23 00 29.1 0.0
DBIC	Dimbokro	73.70 79 eP	P	23 00 29.1 0.0
DBIC	Dimbokro	73.70 79 eP	P	23 00 32.5 +3.4
KBIC	Dimbokro	73.82 79 eP	P	23 00 29.0 -0.2
D03D	Eldon	74.57 329 P	P	23 00 31.3 -1.5
B05A	Bryant	74.58 330 P	P	23 00 32.6 -0.3
QSPA	South Pole Qui	75.68 180 eP	P	23 00 40.8 +1.6
NVL	N'azarevskaya	75.81 160 eP	P	23 00 41.9 +2.2
MORF	Marlete	81.66 48 eP	P	23 01 14.4 -1.9
TORD	Torodi Ar, Bea	81.86 74 P	P	23 01 12.7 -1.3
TORD	Torodi Ar, Bea	81.86 74 P	P	23 01 12.7 -1.3
PBDV	Barranco-do-Ve	82.16 48 eP	P	23 01 16.9 +1.8
MESJ	Messejana	82.20 48 eP	P	23 01 15.7 +0.5
MESJ	Messejana	82.20 48 eP	P	23 01 15.7 +0.5
MESJ	Messejana	82.20 48 eP	P	23 01 17.3 +1.8
PVAO	Vaqueiros	82.38 48 eLR	LR	23 00 31.5
YKA	Yellowknife Ar	82.38 343 P	P	23 01 14.3 -1.2
VNDA	Vanda	82.48 191 P	P	23 01 17.2 +1.2
VNDA	Vanda	82.48 191 P	P	23 00 59.4
PBEJ	Beja	82.53 48 eP	P	23 01 19.5 +2.5
EVO	Evora	82.64 47 eP	P	23 01 18.9 +1.4
PTOM	Tomar	82.82 46 eP	P	23 01 19.5 +1.1
PCAS	Casmilo, Conde	82.94 46 eP	P	23 01 20.3 +1.2
PESTR	Estreito	83.08 47 eP	P	23 01 21.1 +1.3
PBAR	Barrancos	83.19 48 eP	P	23 01 21.7 +1.3
PMRV	Marv???	83.45 47 eP	P	23 01 22.2 +0.4
PMRV	Marv???	83.45 47 eLR	LR	23 31 44.1
PCBR	Castelo Branco	83.56 46 eP	P	23 01 23.0 +0.7
PVIS	Viseu	83.64 45 eP	P	23 01 23.2 +0.5
MTE	Manteigas	83.75 46 eP	P	23 01 24.2 +0.9
MTE	Manteigas	83.75 46 eLR	LR	23 31 57.3
PCAG	Gavielra, Arco	83.92 44 eLR	LR	23 31 59.6
PGAV	Gavielra, Arco	83.92 44 eLR	LR	23 01 24.9 +0.5
POLO	Lamas de Olo	83.99 45 eP	P	23 01 25.1 +0.5
MVO	Moncorvo	84.43 45 eP	P	23 01 28.3 +1.5
MVO	Moncorvo	84.43 45 eLR	LR	23 32 19.8
DLBC	Dease Lake	84.86 335 eP	P	23 01 28.8 +0.3
PRBG	Braganca	84.89 45 eP	P	23 01 29.5 +0.5
SYO	Syowa Base	85.43 161 eP	P	23 01 31.6 +0.4
SYO	Syowa Base	85.43 161 eP	P	23 01 34.8 +0.2
ESDC	Sonca Array	85.98 36 P	P	23 01 34.8 +0.2
ESDC	Sonca Array	85.98 36 P	P	23 35 30.0
ES19	SOLNECA Array	86.04 47 eP	P	23 01 34.8 0.0
KIP	Kipapa	87.79 293 eP	P	23 01 44.5 +0.8
TSUM	Tsumbe	88.82 109 eP	P	23 01 48.4 -0.5
SUMG	Summit	90.34 11 eP	P	23 01 55.2 +0.1
SUMG	Summit	90.34 11 eP	P	23 01 55.0 -0.1
SUMG	Summit	90.34 11 iP	P	23 01 55.0 -0.1
INK	Inuvik	92.06 342 P	P	23 02 01.3 -1.2
BOSA	Boshof	92.93 120 P	P	23 02 07.8 0.0
BOSA	Boshof	92.93 120 P	P	23 40 34.2
MAW	Mawson	92.93 165 P	P	23 02 06.9 +0.1
MAW	Mawson	92.93 165 P	P	23 40 31.7
KEST	Keating	94.78 54 eLR	LR	23 45 00.1
ILAR	Eielson Array	94.99 336 P	P	23 02 15.2 -0.9

ILAR	ILAR	94.99 336 LR	LR	23 48 08.2
FETA	Feichten	98.38 44 iP	P	23 02 31.1 -1.0
RETA	Reichenbach	98.50 43 iP	P	23 02 32.5 -0.1
MOTA	Moosalm	98.70 43 iP	P	23 02 33.6 0.0
WATA	Walderberg	99.01 43 iP	P	23 02 35.1 +0.2
WTTA	Wattenberg	99.03 44 iP	P	23 02 35.9 +0.8
ABTA	Abtaltersbach	99.52 44 iP	P	23 02 37.6 +0.4
CLL	Collin	100.60 40 eP	P	23 02 43.0 +1.0
GERES	GERESS Array B	100.69 42 eP	P	23 02 42.0 -0.3
OBN	Obrnsnik	114.75 36 iPK/PK	PK/P	23 07 35.7 +1.5
OBN	Obrnsnik	114.75 36 iPK/PK	PK/P	23 07 35.7 +1.5
OBN	Obrnsnik	114.75 36 iPK/PK	PK/P	23 07 35.7 +1.5
H11N3	WAKE ISLAND Hyt19	119.72 285 T	T	01 18 36.3
H11N2	WAKE ISLAND Hyt19	119.74 285 T	T	01 18 37.4
H11N1	WAKE ISLAND Hyt19	119.74 285 T	T	01 18 37.6
H11S2	WAKE ISLAND Hyt19	119.74 283 T	T	01 18 44.7
H11S1	WAKE ISLAND Hyt19	119.80 283 T	T	01 18 47.2
H11S3	WAKE ISLAND Hyt19	119.81 283 T	T	01 18 41.7
KBZ	Khabaz	120.84 48 PKP	PK/P	23 07 47.0 +0.8
SEY	Sevchenko	120.92 326 ePK/P	PK/P	23 07 46.2 +0.3
ASAR	Alice Springs	132.00 218 PK/P	PK/P	23 08 06.5
ASAR	Alice Springs	132.00 218 PK/P	PK/P	23 08 06.5
BRVK	Borovoy	133.27 27 iPK/P	PK/P	23 08 10.9 +1.2
WRA	Warramunga Arr	134.48 222 PKP	PK/P	23 08 13.4 +0.4
WRAB	Tennant Creek	134.48 222 iPK/P	PK/P	23 08 13.1 0.0
ASAJ	Asahikawa	135.72 320 PKP	PK/P	23 08 14.0 -0.6
ZALV	Zalesovo Beam	137.86 17 PK/P	PK/P	23 08 13.7
ZALV	Zalesovo Beam	137.86 17 PK/P	PK/P	23 08 13.7
KLR	Kul'dur	138.45 332 PKP	PK/P	23 08 17.6 -1.9
KURK	Kurchatov	138.50 24 ePK/P	PK/P	23 08 19.8 +0.3
KURK	Kurchatov	138.50 24 ePK/P	PK/P	23 08 19.8 +0.3
KURK	Kurchatov	138.50 24 ePK/P	PK/P	23 08 19.8 +0

MEX 04 00:33:45.8±1.2, 16.48N-94.36W, h131km, 32km, MD3.8, Oaxaca

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
Op	ISC				h m s	ISC
Op	Pn				00 34 10.5	-0.5
Op	Sb				00 34 28.1	-2.1
Op	Pn				00 34 15.2	-3.0
Op	Sb				00 34 15.6	-2.1
Op	Pn				00 34 40.8	-1.2
Op	Sb				00 34 23.1	-1.2

IDC 04 00:05:7.3, 0.1736S, 177.42W, h0km, mb3.6/3, mb1 3.9/3, mb1mx3.6/26, mbtmp3.6/3, Error ellipse: s-maj=344.8km s-min=34.2km az=159.0, Fiji Islands region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
Op	ISC				h m s	ISC
Op	Pn				00 48 28.5	-0.1
Op	Sb				00 48 29.9	-0.2
Op	Pn				00 52 43.1	0.0

IDC 04 00:51:23.0±2.4, 0.1279S, 167.06E, h265km, 252km, mb3.2/5, mb1 3.4/5, mb1mx3.1/36, mbtmp3.8/6, Error ellipse: s-maj=202.2km s-min=70.4km az=149.0, Santa Cruz Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
Op	ISC				h m s	ISC
Op	Pn				00 57 35.6	0.0
Op	Sb				00 58 35.0	+0.6
Op	Pn				01 03 27.1	0.0

MEX 04 00:56:39.7±0.5, 16.011N-97.11W, h16km, 99gkm, MD3.5, Oaxaca

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
Op	ISC				h m s	ISC
Op	Pn				00 56 56.6	-1.9
Op	Sb				00 57 09.6	-1.7
Op	Pn				00 57 08.6	-4.4
Op	Sb				00 57 08.4	-4.0
Op	Pn				00 57 57.3	-3.5
Op	Sb				00 57 10.4	-4.7

ISK 04 01:07:58.9, 39°16N-29°11E, h5km, ML3.0/42
ISCJB 04 01:07:59.7, 0.4, 39°15N, 0.02-29°08E, 0.02, h2km, 3km, Error ellipse: s-maj=3.9km s-min=3.0km az=171.9

DDA 04 01:07:59.1, 39°13N-29°09E, h7km, ML3.6
THE 04 01:08:00.1, 39°11N-29°06E, h0km, ML2.9/3, Error ellipse: s-maj=1.4km s-min=0.4km az=216.0

ISC 04 01:07:59.8±0.9, 39°13N, 0.02-29°08E, 0.02, h9km, 6km, n72, c0885/85, Turkey

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
Op	ISC				h m s	ISC
Op	Pn				01 08 04.4	+0.6
Op	Sb				01 08 03.2	0.0
Op	Pn				01 08 05.5	0.0
Op	Sb				01 08 05.2	-0.1
Op	Pn				01 08 06.0	+0.2
Op	Sb				01 08 07.4	-1.0
Op	Pn				01 08 10.6	-0.8
Op	Sb				01 08 12.3	-0.4
Op	Pn				01 08 14.1	-0.3
Op	Sb				01 08 24.1	-0.3
Op	Pn				01 08 14.5	-0.4
Op	Sb				01 08 17.5	-0.2
Op	Pn				01 08 17.5	-0.2
Op	Sb				01 08 19.4	+0.1
Op	Pn				01 08 19.6	0.0
Op	Sb				01 08 33.4	+0.3
Op	Pn				01 08 19.2	-0.2
Op	Sb				01 08 20.5	-0.4
Op	Pn				01 08 20.3	-0.4
Op	Sb				01 08 37.9	+1.5
Op	Pn				01 08 22.9	-0.3
Op	Sb				01 08 23.4	-0.4
Op	Pn				01 08 24.5	-0.3
Op	Sb				01 08 24.4	-0.2
Op	Pn				01 08 26.2	+0.1
Op	Sb				01 08 27.5	+0.3
Op	Pn				01 08 26.5	-0.2
Op	Sb				01 08 26.9	-0.2
Op	Pn				01 08 28.8	+0.1
Op	Sb				01 08 27.9	-0.1
Op	Pn				01 08 30.8	+0.3
Op	Sb				01 08 34.2	+0.2
Op	Pn				01 08 31.1	0.0
Op	Sb				01 08 30.2	+0.3
Op	Pn				01 08 30.9	-0.8
Op	Sb				01 08 31.9	+0.1
Op	Pn				01 08 29.7	-0.5
Op	Sb				01 08 37.9	+0.4
Op	Pn				01 08 32.9	-0.4
Op	Sb				01 08 34.8	-0.7
Op	Pn				01 08 56.9	-0.6
Op	Sb				01 08 33.2	-0.5
Op	Pn				01 08 33.6	-0.9
Op	Sb				01 08 34.2	-0.9
Op	Pn				01 08 34.2	-0.9
Op	Sb				01 08 34.2	-1.1
Op	Pn				01 08 33.9	-1.4
Op	Sb				01 08 35.9	-1.0
Op	Pn				01 08 34.4	+0.1
Op	Sb				01 09 05.3	-0.5
Op	Pn				01 08 35.7	+1.0
Op	Sb				01 08 36.3	-1.2
Op	Pn				01 08 37.0	-0.9
Op	Sb				01 08 36.9	-1.0
Op	Pn				01 08 37.8	-1.0
Op	Sb				01 08 36.9	+1.0
Op	Pn				01 08 37.9	-1.5
Op	Sb				01 08 36.4	+0.1
Op	Pn				01 09 04.7	+1.2
Op	Sb				01 08 37.8	+1.2
Op	Pn				01 08 38.7	-1.8
Op	Sb				01 08 37.0	-0.4
Op	Pn				01 08 42.3	-1.3
Op	Sb				01 08 40.4	-0.9
Op	Pn				01 08 39.5	+0.8
Op	Sb				01 08 40.9	-1.9
Op	Pn				01 08 41.7	+1.7
Op	Sb				01 08 41.5	+1.2
Op	Pn				01 08 40.3	-0.2
Op	Sb				01 08 40.2	-0.2
Op	Pn				01 08 41.5	+0.9
Op	Sb				01 08 43.2	-1.6
Op	Pn				01 08 42.7	+1.9
Op	Sb				01 08 40.0	0.0
Op	Pn				01 08 45.0	+1.9
Op	Sb				01 08 47.0	-0.2
Op	Pn				01 09 23.0	+1.3
Op	Sb				01 08 48.3	+0.1
Op	Pn				01 09 25.9	+1.1
Op	Sb				01 08 49.2	+0.1

ISK 04 01:17:42.5, 38°71N-43°17E, h4km, ML2.5/2
ISCJB 04 01:17:43.7±0.4, 38°72N, 0.02-43°17E, 0.03, h6km, 8km, Error ellipse: s-maj=4.6km s-min=4.0km az=8.3

DDA 04 01:17:43.9, 38°70N-43°23E, h7km, ML2.7
ISC 04 01:17:43.6±1.0, 38.72N, 0.03-43.16E, 0.03, h10km, 10km, n15, c0878/26, Turkey

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
Op	ISC				h m s	ISC
Op	Pn				01 17 48.3	+0.4
Op	Sb				01 17 48.8	+0.3
Op	Pn				01 17 53.3	+0.8
Op	Sb				01 17 49.8	-0.5
Op	Pn				01 17 56.0	-1.2
Op	Sb				01 17 51.7	-0.7
Op	Pn				01 17 58.4	+0.1
Op	Sb				01 17 51.7	-0.1
Op	Pn				01 17 58.6	-0.9
Op	Sb				01 17 51.2	-0.6
Op	Pn				01 17 58.4	-1.2
Op	Sb				01 17 56.7	-0.8
Op	Pn				01 18 07.8	-0.6
Op	Sb				01 17 56.9	-0.6
Op	Pn				01 18 08.5	+0.1
Op	Sb				01 17 57.6	-0.4
Op	Pn				01 18 08.5	+0.7
Op	Sb				01 17 59.9	-0.6
Op	Pn				01 18 11.9	+0.1
Op	Sb				01 18 07.1	+0.5
Op	Pn				01 18 13.3	+0.2
Op	Sb				01 18 04.2	+0.5
Op	Pn				01 18 21.0	+2.1
Op	Sb				01 18 09.1	-0.4
Op	Pn				01 18 11.0	+0.2
Op	Sb				01 18 13.8	-0.5

MAN 04 01:55:16.0, 13°09N-120°33E, h28km, mb5.8, ML4.9, MS5.3

MOS 04 01:55:16.9±0.9, 13°30N-120°71E, h47km, mb5.4/60, MS4.2/7, Error ellipse: s-maj=9.4km s-min=4.5km az=122.1

BUI 04 01:55:17.6, 13°21N-120°67E, h55km, mb4.9/61, MB4.9/46, MS4.5/57, MS7.4/51

GCMT 04 01:55:17.7±0.4, 13°21N, 0.03-120°35E, 0.03, h50km, 3km, MW5.0/56, Moment Tensor Solution, s20c21: s56c80; Duration: 0 Moment tensor: Scale 1016N; M33, 19t, 29t; Mw, 1.83±.21; Mww, 5.03±.21; Mm0, 96±.13; Mw, 0.85±.10; Mm, 0.91±.24; Best double couple: M44, 48500±1016 NP1, 151.00000°, 857.00000°, 60.00000°. NP2: 18.00000°, 844.00000°, 128.00000°. Principal axes: T 3.7110, P16g64.0000°, Azm7.0000°; N 1.5370, P1g25.0000°, Azm169.0000°; P -5.2590, P1g7.0000°, Azm262.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISCJB 04 01:55:18.6±0.3, 13°20N, 0.02-120°65E, 0.03, h62km, 3km, mb5.1/52, Error ellipse: s-maj=4.7km s-min=3.2km az=156.9

IDC 04 01:55:20.6±1.4, 13°25N-120°66E, h69km, 12km, mb4.5/28, Mb1 4.6/28, mb1mx4.5/34, mbtmp4.7/28, MS4.0/22, MS1 4.0/22, ms1mx3.9/29, Error ellipse: s-maj=14.5km s-min=9.4km az=71.0

NEIC 04 01:55:21.7±0.5, 13°25N-120°66E, h77km, 4km, mb5.1/83, Error ellipse: s-maj=4.8km s-min=3.2km az=70.0

NEIC Felt [IV PIVS] at Pinamalayan and San Jose. Also felt at Calapan, Mambura and Victoria. Felt [IV PIVS] at Batangas; [III PIVS] at Pagsanjan; [II PIVS] at Malabon and Quezon City; [I PIVS] at Tagaytay, Luzon. Felt [II] at Manila. Also felt at Bacoor and San Pablo.

ISC 04 01:55:19.9±0.4, 13°11N, 0.02-120°43E, 0.03, h58km, 3km, h58km; p-P, n592, c1952/645, mb5.2/170, MS4.1/34, 59C-18D, Mindoro

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
Op	ISC				h m s	ISC
Op	Pn				01 55 38.1	-1.2
Op	Sb				01 55 55.8	+1.8
Op	Pn				01 55 35.6	-3.9
Op	Sb				01 55 51.3	-2.8
Op	Pn				01 55 41.6	-1.9
Op	Sb				01 56 03.5	+2.3
Op	Pn				01 55 45.1	-2.4
Op	Sb				01 56 05.8	-2.7
Op	Pn				01 55 50.8	-2.1
Op	Sb				01 56 18.7	+0.6
Op	Pn				01 55 49.5	-3.6
Op	Sb				01 56 21.9	+3.4
Op	Pn				01 55 52.0	-3.7
Op	Sb				01 56 16.4	-6.8
Op	Pn				01 55 56.3	-2.1
Op	Sb				01	

Table with columns for call sign, name, frequency, mode, and other technical details. Includes stations like BRTR, ILAR, ARAO, etc.

Table with columns for call sign, name, frequency, mode, and other technical details. Includes stations like OJC, KECS, PSZ, etc.

Table with columns for call sign, name, frequency, mode, and other technical details. Includes stations like GERES, GEA0, MOA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Indian Mountain, Porcupine Dome, Pinnacle, Peninsula, Eagle, Dawson, Bunt Mountain, Inuvik, Spitsbergen Ar, ARCES Array B, Songino Array, FINESS Array B, Hagfors, Eskdalemuir Ar, Kurchatov Arra, Kurchatov Arra, Malin Array Be.

IDC 04 03:35:13.3±11.0, 50.03S:112.55E, h0km, mb3.8/2, mb1 4.1/2, mb1mx3.6/36, mbtmp3.8/2, MS3.3/1, Ms1 3.3/1, ms1mx2.7/29, Error ellipse: s-maj=495.2km s-min=56.1km az=108.0, Southeast Indian Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NAWAO Narrogin (SRO), ASAR Alice Springs, WRA Warramunga Arr, TXAR Lajitas Array.

IDC 04 03:35:55.8±2.2, 37.23N:123.07E, h0km, mb3.8/3, mb1 3.7/5, mb1mx3.4/69, mbtmp3.6/5, ML3.5/2, Error ellipse: s-maj=86.1km s-min=16.7km az=8.0, Northeastern China

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KSRS Korea Array, KSRS, KSRS, KSRS, SONM Songino Array, MKAR Makanchi Array, KURBB Kurchatov Arra, FINES FINESS Array B.

ISCJB 04 03:44:55.8±0.3, 8.41S:0.05E:158.53E:0.06, h150km, mb4.3/28, Error ellipse: s-maj=8.8km s-min=7.1km az=30.6

IDC 04 03:44:56.0±1.3, 8.42S:158.56E, h138km, mb15km, mb3.9/16, mb1 4.1/16, mb1mx3.9/46, mbtmp4.3/16, Error ellipse: s-maj=19.5km s-min=12.3km az=129.0

NEIC 04 03:44:57.2±1.1, 8.43S:158.61E, h150km, 11km, mb4.6/18, Error ellipse: s-maj=13.0km s-min=13.0km az=135.0

ISC 04 03:44:57.1±0.5, 8.41S:0.08E:158.61E:0.08, h150km, n57, r105/53, mb4.4/27, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, HNR, HNR, HNR, HNR, COEN Coen, CTA Charters Tower, CTAO Charters Tower, EIDS Eidsvold, ARMA Armadale, WB2 Warramunga Arr, WR1 Warramunga Arr, WRA Warramunga Arr, H11S3 WAKE ISLAND Hy, H11S2 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, AS01 Alice Springs, AS31 Alice Springs, ASAR Alice Springs, STKA Stephens Creek, H11N1 WAKE ISLAND Hy, H11N3 WAKE ISLAND Hy, H11N2 WAKE ISLAND Hy, BBOO Buckleboo, FITZ Fitzroy Crossi, MJAR Matsushiro Arr, MAJO Matsushiro, KSRS Korea Array, KS15 Wonju Array Si, KSAR Wonju Array Be, KLD Kuldur, VNR VANDR, SEY Seymchan, SONAO Songino Arra, SONM Songino Array, SONA1 Songino Array, KDK Kodiak Island, IM3 Indian Mountain, MCK McKinley, CCB Clear Creek Bu, IL1 Eielson Array, ILAR Eielson Array.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ILB Eielson Array, HYT Haines Junction, MK01 Makanchi Array, MK32 Makanchi Array, MKAR Makanchi Array, PMPB Monarch Peak, BEKA Beckworth, INK Inuvik, INK Inuvik, NV01 Mina Array Sit, NVAR Mina Array Bea, KVN Kaiserville, PD31 Pinedale Array, PDAR Pinedale Array, PV14 Lion Creek, Pa.

BJI 04 03:51:32.5, 10.80S:114.00E, h8km, mb4.7/37, mb5.1/23, Mb4.7/9, Mb5.7/4, 4/5

NEIC 04 03:51:34.8±0.2, 10.63S:114.04E, h10km, mb4.8/29, Error ellipse: s-maj=7.7km s-min=4.9km az=52.0

NEIC Felt [I] at Kuta. ISCJB 04 03:51:34.8±1.0, 10.74S:0.02E:113.94E:0.02, h26km, 7km, mb4.7/78, MS3.6/10, Error ellipse: s-maj=4.6km s-min=3.4km az=43.9

MOS 04 03:51:36.2±0.9, 10.53S:114.16E, h33km, mb4.9/34, Error ellipse: s-maj=12.2km s-min=6.9km az=120.1

DJA 04 03:51:37.0±0.7, 11.53S:114.4E, h12km, 7km, M5.0/24, mb5.1/10, mb5.3/6, MLV5.0/24, Mw(MB)4.8/6, Mwp5.8/1

IDC 04 03:51:39.2±0.2, 10.53S:114.13E, h43km, 19km, mb4.3/28, mb1 4.4/31, mb1mx3.5/52, mbtmp4.6/31, ML 4.7/3, MS3.4/10, Ms1 3.4/10, ms1mx3.2/33, Error ellipse: s-maj=13.3km s-min=9.7km az=54.0

ISC 04 03:51:42.2±0.2, 10.75S:0.04E:113.97E:0.04, h16km, 13km, n492, 01917/480, mb4.8/78, MS3.6/11, 11C-4D, South of Jawa

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like IGBI Denpasar, JAGI Jajag, Banyuwa, JAGI Jajag, Banyuwa, DNP Denpasar, GMJ Gumukmas, SRBI Singaraja, BLJI Banyuglugur, PWJI Pagerwojo, TWSI Taliwang, Sumb, KMSI Kailiang, PCJI Pacitan, GRJI Gresik, WOJI Wonogiri, NGJI Ngawi, PLAI Plampang, UGM Wanagama, UGM Wanagama, TBJI Tambak Boyo, SMRI Semarang, WBSI Waikabubak, Su, KPJI Karang Pucung, CMIJ Cisomet, Garu, CISI Cisomet, Garu, LEM Lembang, LEM Lembang, EDPI Ende, Flores, EKSI Eukumbra, MMRI Mlauru, CGJI Cibinong, BATI Baunata, SOEI Soe, MBWA Marble Bar, MBWA Marble Bar, GIRL Giralila, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, SANI Sanana, KNRA Kununurra, MTN Mantou Dam, MTN Mantou Dam, MORW Morawa, WRKA Warakurna, FAKI Fak Fak, SJI Sorong, SUI SUI, BLDU BLDU, PSI Prapat, PSI Prapat, PSI Prapat, WR1 Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, WRAB WRAB, WB2 Warramunga Arr, RKPI Ransiki, Papua, NAWAO Narrogin (SRO), NAWAO Narrogin (SRO).

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NAWAO Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, AS31 Alice Springs, AS31 Alice Springs, TRTT Trang, FORT Forrest, FORT Forrest, QIS Mount Isa, SRAK Srakaw, NAYO Nakorpanom, PANO Nakorpanom, UTHA Uthaitai, BBOO Buckleboo, PBKT Sadao, MTSU Mount Surong, CM01 Chiang Mai Arr, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CMAT Chiang Mai, CHTO Chiang Mai, CHTO Chiang Mai, CHTO Chiang Mai, STKA Stephens Creek, STKA Stephens Creek, STKA Stephens Creek, CMSA Cobar Meteorol, RMQ Roma, KMI Kunming, KMI Kunming, KMI Kunming, KMI Kunming, GYA Guiyang, GYA Guiyang, GUMO Guam, YNG Young, H0S2 Diego Garcia H, H0S3 Diego Garcia H, H0S1 Diego Garcia H, WHN Wuhan, SHL Shillong, SHL Shillong, CD2 Chengdu, NJ2 Nanjing, XAN Xi'an, XAN Xi'an, LSA Lhasa, LSA Lhasa, RAMN Ramite, JIRN Jiri, GUN Gumbi, PKIN Phulchoki, DMN Daman, LZH Lanzhou, LZH Lanzhou, LZH Lanzhou, LZH Lanzhou, GKN Gorkha, KOLN Koldanda, DANN Dangsang, PYUN Pluthan, KS15 Wonju Array Si, KSRS Korea Array, KS01 Wonju Array Si, HHC Hu-ho-hao-te, HHC Hu-ho-hao-te, GTA Gaotai, GTA Gaotai, GTA Gaotai, GTA Gaotai, MDJ Mudanjian, MDJ Mudanjian, MDJ Mudanjian, USA0B Ussuriysk Arr, USA0B Ussuriysk Arr, USRK Ussuriysk Arr, USRK Ussuriysk Arr.

4d 3h

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like ULN Ulanbaatar, SONA0 Songino Array, and many others.

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Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like VORD Divnogorie, TORO Torodi Ar. Bea, and many others.

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Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like R43A Red Bud, M48A Edgerton, and many others.

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Mode, Frequency, and other parameters. Includes stations like U48A Cassie Pea, R51A Hillsboro, Q52A Bidwell, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Mode, Frequency, and other parameters. Includes stations like 152A Waverly Hall, 251A Midway, GOGA Godfrey, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Power, Mode, Frequency, and other parameters. Includes stations like JMHJ Haha-jima-NKT, CBJJ Chichi jima, etc.

ISC 04 04:04:29.4, 3.1, 18.149S, 168.60E, h75km, 26km, mb4.2/16, m-bj1 4.4/18, mb1mx4.2/40, mbmp4.6/18, Error ellipse: s-maj=24.9km s-min=14.5km az=85.0

Table with columns: Code, Station Name, Azimuth, Elevation, Power, Mode, Frequency, and other parameters. Includes stations like DZM Mont Dzumac, DZM Mont Dzumac, HNR Honiara, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Power, Mode, Frequency, and other parameters. Includes stations like HNR Honiara, HNR Honiara, HNR Honiara, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Power, Mode, Frequency, and other parameters. Includes stations like CTZ Charters Tower, CTZ Charters Tower, URZ Urewera, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Power, Mode, Frequency, and other parameters. Includes stations like BKZ Black Stump Fm, BFZ Birch Farm, SNZO South Koror, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Power, Mode, Frequency, and other parameters. Includes stations like THZ Tophouse, KHZ Kahutara, LTZ Lake Taylor, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Power, Mode, Frequency, and other parameters. Includes stations like COEN Coen, RPZ Rata Peaks, LBZ Lake Benmore, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Power, Mode, Frequency, and other parameters. Includes stations like WBZ Warramunga Arr, WRI Warramunga Arr, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Power, Mode, Frequency, and other parameters. Includes stations like AS01 Alice Springs, AS31 Alice Springs, ASAR Alice Springs, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Mode, Frequency, and other parameters. Includes stations like SEY Semyrchan, ULN Ulanbataar, GTA Gaotai, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Mode, Frequency, and other parameters. Includes stations like SONAD Songoing Array, SONM Songoing Array, SONAI Songoing Array, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Mode, Frequency, and other parameters. Includes stations like ILAR Eielson Array, ILB Eielson Array, SNA SNA, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Mode, Frequency, and other parameters. Includes stations like GEC2 GERES Array S, GERES GERES Array S, ARSA Arzberg, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Mode, Frequency, and other parameters. Includes stations like MOA Mollin, SOKA Soboth, BLY Banja Luka, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Mode, Frequency, and other parameters. Includes stations like KBA Kolobreispner, BEBN Eben Emael, MEM Membach, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Mode, Frequency, and other parameters. Includes stations like ITM Ithomi, WATA Walderalm, ABTA Abfaltersbach, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Mode, Frequency, and other parameters. Includes stations like WTTA Wattenberg, MOTA Moosalm, WLF Waalferdam, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Mode, Frequency, and other parameters. Includes stations like RETA Reutte, DOU Doubes, BFO Black Forest, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Mode, Frequency, and other parameters. Includes stations like DAVA Danuels, FUORNI Openpass-Fuorn, TUE Tuetzen, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Mode, Frequency, and other parameters. Includes stations like TORD Torodi Arr, TOA1 Torodi Arr, ISK 04 04:11:49.2, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Power, Mode, Frequency, and other parameters. Includes stations like SMG Samos, SMG Samos, SMG Samos, etc.

4d 6h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Singaraja, Pagerwojo, Talwang, Sumb.

ISC 04 04:50:41.7:1.4, 50.222N:0.08x19.24E:0.05, h0km, n5, o54/10, Poland

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Ojcow, Niedzica, Liptovska Anna, Moravsky Berou, Vyhne.

BER 04 04:58:33.0:0.5, 71.02N:6.65W, h0km, 520km, ML2.7

ISC 04 04:58:31.5:0.5, 71.1N:0.3:6.5W:0.2, h9km, n5, o36/19,

4C, Jan Mayen Island region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Jan Mayen East, Jan Mayen West, Jan Mayen, Jan Mayen.

NIED 04 04:58:36.40N:142.60E, h8km, Mw4.2 Best double couple: M1.890000:1.075 NP1=206.00000: 838.000000, 1.92.000000. NP2=23.00000: 852.000000: 1.88.000000.

ISCJB 04 04:58:40.1:0.6, 36.40N:0.05:142.59E:0.06, h19km, mb3.9/14, MS3.6/5, Error ellipse: s-maj=8.0km

s-min=5.6km az=43.9

JMA 04 04:58:41.6:0.2, 36.43N:142.57E, h57km, M3.8

ISC 04 04:58:53.3:2.5, 36.13N:141.82E, h102km, 22M3, mb3.6/14, mb1 3.7/18, mb1mx3.6/40, mbtmp4.0/18, MS3.4/8, Ms1 3.5/8, ms13mx3.1/44, Error ellipse: s-maj=20.5km

s-min=16.5km az=80.0

ISC 04 04:58:42.4:0.3, 36.40N:0.06:142.54E:0.08, h19km, n43, r165/38, mb4.0/14, MS3.6/5, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Chosi, Iwakimizuishiy, Hitachinakayam, Hitachi, Otama, Boso 1, Asahikawa, Nakatsue, Matsushiro, Matushiro, Matsushiro, Sado, Asahikawa, Matsushiro, Matsushiro, Sado, Asahikawa, Nakatsue, Matsushiro, Matsushiro, Sado, Asahikawa.

USRSK Ussuriysk Ar. 11.20 317 P Pn 05 01 23.6 +2.2

KRSR Korea Array B 11.75 280 P Pn 05 01 31.6 +2.7

KRSR 0.2nm, 0.3s, baz=99, slow=13, SNR=14

KRSR comp=Z, 56nm, 18.3s, baz=72, slow=36

KRSR Kul'dur 15.05 332 P Pn 05 02 18.2 -0.9

KRSR baz=124, slow=12, SNR=6.4

PETK Petropavlovsk-19 18.21 28 P Pn 05 03 22.1 +8.9

MA2 Magadan 23.30 10 LR Pn 05 14 02.0

H112 WAKE ISLAND HY 27.05 121 T T 05 32 38.6

H111 WAKE ISLAND HY 27.05 121 T T 05 32 41.9

H113 WAKE ISLAND HY 27.07 121 T T 05 32 44.5

SEY Seycham 27.25 10 P Pn 05 04 31.7 +6.7

SONM Songino Array 28.99 305 P Pn 05 04 40.5 +0.5

CMAR Chiang Mai Arr 42.22 257 LR Pn 05 26 35.0

ZALV Zalesovo Beam 43.01 313 P Pn 05 06 40.0 -0.4

MKAR Makanchi Array 45.22 303 P Pn 05 06 58.1 -0.2

ILAR Eielson Array 49.55 313 P Pn 05 07 30.3 -1.4

WRA Warramunga Arr 56.57 189 P Pn 05 08 23.3 -1.5

ASAR Alice Springs 60.29 189 P Pn 05 08 49.3 -0.5

FINES FINESS Array B 69.79 333 P Pn 05 09 51.1 0.0

FINES comp=Z, 48nm, 18.1s, baz=76, slow=38

KBZ Khabaz 72.00 311 P Pn 05 10 05.0 +0.2

NVAR Mina Array Bea 74.64 54 P Pn 05 10 26.2 +5.4

NOA NORSTAR Array B 75.12 338 P Pn 05 10 22.6 -0.3

NOA comp=Z, 44nm, 18.3s, baz=245, slow=39

AKASG Malin Array Be 75.35 329 P Pn 05 10 23.8 -0.6

RAR Rarotonga 79.06 127 LR Pn 05 12 28.6

BRTR Keskin Array B 79.95 312 P Pn 05 10 51.6 +1.2

GERES GERES Array B 83.72 329 P Pn 05 11 09.4 -0.7

LPAZ La Paz 146.22 62 PKPbc PKPdf 05 18 21.8 0.0

SJA 04 05:04:16.5:0.7, 32.53S:73.02W, h40km, 247km, ML3.2, MW3.5, Off coast of central Chile

Code Station Name Azimuth Phase ID Time Res

ROC1 El Roble 1.75 105 i P Pn 05 04 45.8 +1.2

AUSP Uspallata 3.09 85 i P Pn 05 05 08.8 +2.6

RTLS Leoncito 3.24 78 i P Pn 05 05 07.8 +2.7

RTLS comp=Z, 77nm, 0.6s

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Table with columns: ARCO, CERRO ARCO, ASAL, AAGR, RTCV, Salagasta, Agrelto, Cerro Valdivia, Time, Res.

ISC 04 05:19:44.5:5.6, 21.59S:179.58W, h648km, 66km, mb3.1/8, mb1 3.3/8, mb1mx3.0/43, mbtmp4.2/8, Error ellipse: s-maj=37.4km s-min=21.5km az=58.0, Fiji

Code Station Name Azimuth Phase ID Time Res

CTA Charters Tower 31.93 266 P Pn 05 25 20.4 0.0

STKA Stephens Creek 35.99 245 P Pn 05 25 54.3 +0.4

ASAR Chase Springs 42.84 258 P Pn 05 26 48.5 0.0

WRA Warramunga Arr 43.00 264 P Pn 05 26 49.2 -0.5

JAY Yajapura 43.02 291 P Pn 05 26 50.3 +0.4

VNDA Vanda 56.71 185 P Pn 05 28 28.5 +0.3

QSPA South Pole Qui 68.49 180 P Pn 05 29 43.7 -0.2

TXASR Lajitas Array 88.88 58 P Pn 05 31 32.3 +0.2

AKAG Malin Array B 143.22 329 PKP PKPbc 05 38 04.2 -0.6

BRTR Keskin Array B 146.44 310 PKPbc PKPbc 05 38 14.8 -0.2

ISCJB 04 05:43:54.1:0.5, 17.65S:0.1:178.68W:0.09, h547km, mb4.2/13, Error ellipse: s-maj=16.4km s-min=10.9km az=162.7

ISC 04 05:43:55.6:1.5, 17.63S:178.64W, h556km, 18km, mb3.6/12, mb1 3.7/14, mb1mx3.5/34, mbtmp4.5/14, Error ellipse: s-maj=18.6km s-min=11.3km az=163.0

ISC 04 05:43:54.9:0.6, 17.65S:0.1:178.64W:0.10, h547km, n23, o92/24, mb4.1/13, Fiji Islands region

Code Station Name Azimuth Phase ID Time Res

AFI Afiamalu 7.56 62 P Pn 05 45 49.7 +1.2

RAO Raoul Island 11.61 177 P Pn 05 46 29.4 +0.1

DZM Mont Dzumac 14.71 250 P Pn 05 47 02.6 +1.0

PPT Papeete 27.70 94 P Pn 05 48 59.7 -0.1

CTA Charters Tower 32.28 260 P Pn 05 49 47.5 -0.2

STKA Stephens Creek 38.58 241 P Pn 05 50 31.9 +0.6

JAY Yajapura 42.61 286 P Pn 05 51 04.5 +0.8

WRA Warramunga Arr 44.47 259 P Pn 05 51 17.1 -0.9

WRA Alice Springs 44.66 254 P Pn 05 51 19.3 -0.2

ASAR 4.4nm, 0.4s, baz=105, slow=4.1, SNR=630

SJUI Sorong 51.95 283 P Pn 05 52 14.1 +0.2

FITZ Fitzroy Crossi 52.86 260 P Pn 05 52 20.0 -0.3

MJAR Matsuiro Arr 67.53 323 P Pn 05 53 56.8 -0.2

PETK Petropavlovsk-73 335 P Pn 05 54 30.8 -0.1

MAW Maxwell 84.07 200 P Pn 05 55 27.3 -0.6

ILAR Eielson Array 85.64 13 P Pn 05 55 34.2 -1.2

TXAR Lajitas Array 88.02 58 P Pn 05 55 39.3 +1.1

CMAR Chiang Mai Arr 86.57 290 P Pn 05 55 59.1 +1.6

MKAR Makanchi Array 108.77 314 PKIP PKIP 06 01 20.6 -1.6

ARCES ARCES Array B 125.98 350 PKP PKPdf 06 01 53.6 -0.8

FINES FINESS Array B 132.84 344 PKP PKPbc 06 02 05.8 -1.8

BRTR Keskin Array B 144.41 315 PKP PKPbc 06 02 29.1 -0.4

GERES GERES Array B 147.26 345 PKPbc PKPbc 06 02 36.7 -0.5

TORD Torodi Arr 175.56 184 PKPbc PKPbc 06 04 44.4 +0.1

NEIC 04 06:11:04.0:0.4, 24.06S:66.90W, h160km, 3km, mb4.8/245, MD4.8(SJA), Error ellipse: s-maj=4.7km s-min=3.2km az=73.0

SJA 04 06:11:04.1:0.5, 24.10S:67.17W, h192km, 4km, ML3.8, MW4.8

ISC 04 06:11:05.6:1.3, 24.04S:66.87W, h172km, 10km, mb4.1/15, mb1 4.3/21, mb1mx4.3/22, mbtmp4.6/21, MS3.2/3, Ms1 3.3/3, ms1mx2.9/21, Error ellipse: s-maj=14.1km s-min=9.5km az=65.0

ISCJB 04 06:11:07.1:0.2, 23.80S:0.04:66.72W:0.04, h200km, mb4.7/255, Error ellipse: s-maj=6.2km s-min=3.8km az=138.3

GUC 04 06:11:07.0:2.5, 23.84S:67.71W, h234km, 12km, ML5.2

ISC 04 06:11:05.1:0.6, 24.11S:0.04:67.15W:0.04, h173km, 5km, n763, r190/791, mb4.8/261, 6C-2D, Chile-Argentina border region

Code Station Name Azimuth Phase ID Time Res

SLA San Lorenzo 1.62 112 i P Pn 06 11 39.4 +1.5

SLA comp=Z, 2um, 0.5s

HJA Humaquia 1.83 61 i P Pn 06 12 05.4 +2.2

HJA comp=Z, 600nm, 0.6s

HZA Zapla 1.91 94 i P Pn 06 12 09.7 +2.2

HZA comp=Z, 2um, 0.6s

AZAP Limon Verde 2.20 312 e Pn 06 11 46.1 +1.7

LVC Cafayete 2.26 152 i P Pn 06 11 46.7 +0.9

FSA comp=Z, 263nm, 0.5s

YJA Yavi 2.45 38 i P Pn 06 11 48.7 +1.4

YJA comp=Z, 117nm, 0.4s

PB06 IPOC Station P 2.63 302 i P Pn 06 11 50.5 +1.4

PB06 comp=E, 8um, 0.3s

PB14 IPOC Station P 3.01 260 i P Pn 06 11 54.3 +0.4

PB14 comp=E, 4um, 0.5s

PB14 IPOC Station P 3.07 294 i P Pn 06 11 55.1 +0.7

PB05 comp=E, 1um, 0.1s

AHML Horco Molle 3.13 149 i P Pn 06 11 56.1 +1.1

AHML comp=Z, 128nm, 0.7s

AHML IPOC Station P 3.15 310 e Pn 06 12 30.4 0.0

PB03 IPOC Station P 3.15 310 e Pn 06 12 33.7 -1.1

PB03 comp=E, 6um, 0.4s

PB10 IPOC Station P 3.17 280 i P Pn 06 11 55.7 +0.1

PB10 IPOC Station P 3.17 280 i P Pn 06 11 56.6 +1.0

PB10 comp=Z, 2um, 0.6s

186

Table with columns: PB10, comp=E, IJM, IAML, Time, Res. Includes stations like IPOC Station P, IPOC Station P.

comp=N, 4um, 0.5s

PB07 IPOC Station P 3.46 313 i P Pn 06 12 00.0 +0.6

PB07 IPOC Station P 3.47 324 e Pn 06 12 03.2 +0.3

PB01 IPOC Station P 3.74 324 i P Pn 06 12 06.8 -1.1

PB01 comp=E, 4um, 0.2s

PB02 IPOC Station P 3.76 317 e Pn 06 12 03.1 0.0

GO03 Copiap 4.44 218 e Pn 06 12 11.3 -0.5

GO04 Choya 4.48 165 i P Pn 06 12 12.7 +0.5

comp=Z, 35nm, 0.4s

MNMC Minye Minye 5.45 335 e Pn 06 12 25.2 0.0

LCO Las Campanas 5.82 212 e Pn 06 13 25.8 -2.2

TOLO Tololo Observa 6.85 207 e Pn 06 12 28.6 -1.3

GO04 La Paz 7.84 353 P Pn 06 13 57.2 -3.9

LPAZ comp=Z, 7.4nm, 0.3s, baz=154, slow=5.7, SNR=265

LPAZ comp=Z, 1.3nm, 0.3s, baz=337, slow=2, SNR=9.3

LPAZ comp=Z, 1.04nm, 18.3s, baz=240, slow=41

CPUP comp=Z, 1.1nm, 0.3s, baz=285, slow=11, SNR=41

CPUP comp=Z, 1.12nm, 21.2s, baz=209, slow=37

ROC1 Villa Florida 9.16 106 e Pn 06 13 11.8 -2.0

ROC1 El Roble 9.46 200 e Pn 06 13 16.9 -1.0

SIV San Ignacio 9.89 306 e Pn 06 13 21.2 -4.7

GO05 Hualae0 11.63 200 e Pn 06 13 46.6 +0.7

TR0A TROA 14.59 164 e Pn 06 14 22.6 0.4

NNA Nana 15.17 321 P Pn 06 14 32.4 +0.6

NNA comp=Z, 1.3nm, 0.3s, baz=163, slow=11, SNR=9.6

SAMU Samu 15.55 15 e Pn 06 14 33.3 -2.1

GO06 Curarehue 15.85 192 e Pn 06 14 39.6 +0.4

PLCA comp=Z, 1.3nm, 0.8s

PLCA comp=Z, 0.7nm, 0.3s, baz=37, slow=8.6, SNR=14

SPB Sao Paulo 16.05 92 P Pn 06 15 02.0 -1.3

BDFB Brasilia 19.86 68 P Pn 06 15 22.0 -1.1

BDFB Brasilia 19.86 68 e Pn 06 15 22.2 -0.9

ATAH Athermal 20.03 326 P Pn 06 15 27.0 +1.7

PTGA Pitinga 24.26 18 P Pn 06 16 05.3 -1.2

PTGA comp=Z, 3.2nm, 0.4s, baz=224, slow=7.5, SNR=8.6

FLOE Florencia 24.24 341 e Pn 06 16 29.4 +0.3

FLOE comp=Z, 48nm, 0.9s

CRUC San Jose del G 27.03 348 e Pn 06 16 28.1 -3.2

CRUC La Cruz 27.24 338 e Pn 06 16 39.4 +5.7

SOTA Sotablanco 27.66 339 e Pn 06 16 40.1 +2.5

PCON Cinco Dias 27.78 340 e Pn 06 16 39.4 +0.8

POPC Popayan, Colom 28.07 339 e Pn 06 16 43.4 +2.5

MARP Paez Belalcaza 28.13 341 e Pn 06 16 43.4 +1.9

HORO Saladito 28.94 340 e Pn 06 16 48.0 -0.6

YOTC Yotoco, Valle 29.33 341 e Pn 06 16 52.7 +0.8

ROSC El Rosal 29.61 345 P Pn 06 16 55.5 +0.8

ROSC comp=Z, 6.3nm, 0.5s, baz=195, slow=7.6, SNR=13

ROSC El Rosal 29.61 345 i P Pn 06 16 55.1 +0.5

ROSC comp=Z, 8.1nm, 0.6s

USHA Ushuaia 30.70 181 P Pn 06 16 54.7 +0.5

352A	Blakely	57.84	342	P	P	06	20	38.4	-0.1
254A	Abbeville	57.84	344	P	P	06	20	38.4	-0.1
351A	Pinckney	57.84	341	P	P	06	20	38.6	0.0
449A	Pace	57.85	340	P	P	06	20	38.8	+0.1
LNIG	Linares	57.91	325	eP	P	06	20	39.4	+0.1
ZAIG	Zacatecas	57.92	321	eP	P	06	20	40.0	+0.3
RGRS	Roger Stewart	58.05	347	eP	P	06	20	40.7	+0.7
156A	Sylvania	58.09	346	P	P	06	20	40.7	+0.4
253A	Americus	58.17	343	P	P	06	20	41.2	+0.4
350A	Dozier	58.19	341	P	P	06	20	40.9	-0.2
NHSC	New Hope	58.24	347	eP	P	06	20	41.5	+0.2
NHSC	New Hope	58.24	347	P	P	06	20	42.1	+0.8
252A	Lumpkin	58.27	342	P	P	06	20	41.2	-0.4
155A	Kite	58.28	345	P	P	06	20	41.7	+0.1
447A	Lucedale	58.36	338	P	P	06	20	41.9	-0.3
349A	Repton	58.39	340	P	P	06	20	42.5	+0.1
154A	Montrose	58.43	344	eP	P	06	20	42.7	+0.1
154A	Montrose	58.43	344	P	P	06	20	42.6	-0.1
251A	Midway	58.55	342	P	P	06	20	42.9	-0.6
446A	Poplarville	58.60	338	P	P	06	20	44.0	+0.1
153A	Fort Valley	58.65	344	P	P	06	20	43.8	-0.3
250A	Grady	58.69	341	P	P	06	20	44.1	-0.4
Z55A	Blythe	58.78	345	P	P	06	20	45.2	+0.2
347A	Saraland	58.88	339	P	P	06	20	45.5	-0.3
445A	Amite	58.89	337	P	P	06	20	46.3	+0.4
152A	Waverly Hall	58.90	343	eP	P	06	20	45.5	-0.4
152A	Waverly Hall	58.90	343	P	P	06	20	45.4	-0.5
151A	Opelika	58.94	342	P	P	06	20	45.5	-0.6
249A	Camden	58.95	340	P	P	06	20	46.1	-0.2
Z54A	Sparta	58.96	345	P	P	06	20	46.0	-0.3
Z53A	Monticello	59.18	344	P	P	06	20	47.2	-0.6
150A	Eclectic	59.21	341	P	P	06	20	47.6	-0.4
248A	Dixon Mills	59.25	340	P	P	06	20	48.2	-0.2
GOGA	Godfrey	59.28	344	eP	P	06	20	47.6	-0.8
GOGA	Godfrey	59.28	344	P	P	06	20	48.1	-0.4
SNAA	Sanae	59.29	161	eP	P	06	20	49.1	+0.9
SNAA	Sanae	59.29	161	eP	P	06	20	49.0	+0.8
Z52A	Williamson	59.31	343	P	P	06	20	48.2	-0.5
149A	Jones	59.43	341	P	P	06	20	48.8	-0.8
247A	Quitman	59.50	339	P	P	06	20	49.7	-0.3
Y54A	Tignal	59.52	345	P	P	06	20	50.1	-0.1
JSC	Jenkinsville	59.60	346	eP	P	06	20	50.8	+0.1
Z51A	Franklin	59.64	343	P	P	06	20	50.6	-0.4
442A	Mamou	59.66	335	P	P	06	20	52.4	+1.3
344A	Westbrook Farm	59.68	337	eP	P	06	20	50.9	-0.4
344A	Westbrook Farm	59.68	337	P	P	06	20	51.3	0.0
148A	Greensboro	59.71	340	P	P	06	20	50.9	-0.6
Y53A	Monroe	59.73	344	P	P	06	20	51.2	-0.4
Z50A	Ashland	59.79	342	eP	P	06	20	51.3	-0.7
Z50A	Ashland	59.79	342	P	P	06	20	51.5	-0.5
Y52A	Libburn	59.86	344	eP	P	06	20	52.2	-0.3
Y52A	Libburn	59.86	344	P	P	06	20	52.1	-0.3
LRAL	Lakeview Retre	59.90	341	eP	P	06	20	51.5	-1.2
LRAL	Lakeview Retre	59.90	341	P	P	06	20	52.2	-0.6
Z49A	Columbiana	59.91	341	P	P	06	20	52.2	-0.6
245A	Little AP, Sta	59.91	338	P	P	06	20	52.8	0.0
147A	Livingston	59.96	339	P	P	06	20	52.9	-0.2
Y51A	Rockmart	60.16	343	P	P	06	20	54.0	-0.5
244A	Avery, Jackson	60.20	337	P	P	06	20	54.9	+0.1
342A	Flagon Creek P	60.21	335	eP	P	06	20	55.6	+0.8
342A	Flagon Creek P	60.21	335	P	P	06	20	55.9	+1.0
PAULI	Pauline	60.24	346	eP	P	06	20	54.9	-0.2
X53A	Estanollee	60.28	345	P	P	06	20	55.1	-0.2
Y50A	Piedmont	60.33	342	P	P	06	20	55.1	-0.6
Z47A	Carrollton	60.38	340	P	P	06	20	55.5	-0.5
Z48A	Northport	60.38	340	P	P	06	20	55.3	-0.7
HKT	Hockley	60.40	331	eP	P	06	20	56.2	+0.1
145A	Houston Renfro	60.44	338	P	P	06	20	56.7	+0.2
KMSC	Kings Mountain	60.45	347	eP	P	06	20	56.5	+0.1
KMSC	Kings Mountain	60.45	347	P	P	06	20	56.6	+0.2
Y49A	Blount Mountain	60.49	342	eP	P	06	20	55.9	-0.9
Y49A	Blount Mountain	60.49	342	P	P	06	20	56.0	-0.8
341A	Kurthwood	60.50	334	eP	P	06	20	57.2	+0.3
341A	Kurthwood	60.50	334	P	P	06	20	57.5	+0.6
X52A	Dahlonaga	60.52	344	P	P	06	20	56.6	-0.4
Z46A	Louisville	60.65	339	P	P	06	20	57.9	0.0
BG3	Lake Jocassee	60.66	345	eP	P	06	20	58.1	+0.2
833A	Chaparral WMA	60.68	327	eP	P	06	20	58.9	+0.7
833A	Chaparral WMA	60.68	327	P	P	06	20	58.9	+0.7
X51A	Calhoun	60.73	343	eP	P	06	20	58.0	-0.4
X51A	Calhoun	60.73	343	P	P	06	20	58.2	-0.2
242A	Grayson	60.75	336	P	P	06	20	59.3	+0.7
Y48A	Jasper	60.77	341	P	P	06	20	57.9	-0.7
X50B	Fort Payne	60.84	343	P	P	06	20	58.4	-0.8
W53A	Cullowhee	60.88	345	P	P	06	20	59.4	-0.1

Y47A	UCPARC, Winfie	60.96	340	P	P	06	20	59.5	-0.5
W52A	Murphy	60.99	344	eP	P	06	20	59.9	-0.6
W52A	Murphy	60.99	344	P	P	06	20	59.9	-0.2
241A	Mo Tay, Golden	61.01	335	eP	P	06	21	00.8	+0.5
241A	Mo Tay, Golden	61.01	335	P	P	06	21	01.5	+1.2
143A	Socs Landing,	61.05	337	eP	P	06	21	00.9	+0.3
143A	Socs Landing,	61.05	337	P	P	06	21	01.1	+0.6
X49A	Woodville	61.08	342	P	P	06	21	00.2	-0.6
142A	Monroe	61.11	336	P	P	06	21	01.5	+0.5
Z44A	Pea Ridge, Bel	61.23	338	P	P	06	21	01.8	+0.1
X48A	Hartselle	61.23	341	eP	P	06	21	01.4	-0.3
X48A	Hartselle	61.23	341	P	P	06	21	01.4	-0.3
Y46A	Houston	61.26	339	P	P	06	21	01.3	-0.7
W51A	Cleveland	61.27	344	P	P	06	21	01.7	-0.3
V53A	Saluda	61.28	345	eP	P	06	21	01.5	-0.6
V53A	Saluda	61.28	345	P	P	06	21	02.0	+0.1
240A	Hunter Patters	61.36	334	eP	P	06	21	02.7	-0.1
240A	Hunter Patters	61.36	334	P	P	06	21	02.8	+0.2
W50A	Signal Mountai	61.45	343	eP	P	06	21	03.1	-0.2
W50A	Signal Mountai	61.45	343	P	P	06	21	03.0	-0.2
Y45A	Yeager Farm, C	61.47	339	P	P	06	21	03.3	-0.1
NATX	Nacogdoches	61.47	333	eP	P	06	21	04.4	+1.0
NATX	Nacogdoches	61.47	333	P	P	06	21	04.5	+1.0
CPCT	Cooper Cave	61.48	344	eP	P	06	21	03.1	-0.3
TKL	Tulekeches C	61.49	345	eP	P	06	21	03.1	-0.4
141A	Papa Simpson,	61.52	335	P	P	06	21	04.7	+0.9
X47A	Russeville	61.53	341	P	P	06	21	03.0	-0.8
V52A	Sevierville	61.62	345	eP	P	06	21	03.4	-1.0
V52A	Sevierville	61.62	345	P	P	06	21	03.9	-0.4
SWET	Sewanee	61.63	343	eP	P	06	21	04.2	-0.3
W49A	Belvidere	61.63	342	P	P	06	21	04.0	-0.4
V51A	Loudon	61.77	344	eP	P	06	21	05.0	-0.4
V51A	Loudon	61.77	344	P	P	06	21	04.8	-0.7
X46A	Boonville	61.79	340	P	P	06	21	06.9	+1.2
140A	Cam and Jess,	61.81	335	P	P	06	21	06.9	+1.2
V50A	Pikeville	61.84	343	P	P	06	21	05.5	-0.3
W48A	Pulaski	61.84	342	P	P	06	21	05.5	-0.4
435B	Jarrell	61.89	330	P	P	06	21	06.5	+0.3
U53A	Fall Branch	61.89	346	P	P	06	21	05.7	-0.5
X45A	UM Field Stati	61.93	339	P	P	06	21	05.4	-1.1
OXF	Oxford	62.02	339	eP	P	06	21	06.3	-0.7
OXF	Oxford	62.02	339	P	P	06	21	05.8	-1.1
PLAL	Picket Lake	62.03	341	eP	P	06	21	06.1	-1.0
Z41A	Richland Creek	62.07	336	eP	P	06	21	08.0	+0.7
Z41A	Richland Creek	62.07	336	P	P	06	21	07.7	+0.4
U52A	Thorn Hill	62.10	345	P	P	06	21	06.6	-0.9
W47A	Westpoint	62.14	341	P	P	06	21	07.1	-0.7
Y49A	McMinnville	62.14	343	P	P	06	21	07.2	-0.7
Y42A	Garnett, Star	62.21	337	P	P	06	21	08.4	+0.1
U51A	La Follette	62.24	345	P	P	06	21	07.8	-0.7
X44A	Crenshaw	62.25	339	P	P	06	21	08.1	-0.4
BLA	Blacksburg	62.26	348	eP	P	06	21	09.9	+0.2
BLA	Blacksburg	62.26	348	P	P	06	21	09.1	+0.4
CCAR	Cane Creek	62.28	337	eP	P	06	21	09.4	+0.6
TZTN	Tazewell	62.28	345	P	P	06	21	08.3	-0.4
Z40A	Long Farm, Mag	62.29	335	P	P	06	21	09.9	+1.1
W48A	Smith Brothers	62.37	342	eP	P	06	21	08.7	-0.6
W48A	Smith Brothers	62.37	342	P	P	06	21	08.9	-0.4
U50A	Jamestown	62.48	344	P	P	06	21	09.2	-0.8
X43A	Marvell	62.51	338	eP	P	06	21	10.6	+0.3
X43A	Marvell	62.51	338	P	P	06	21	10.6	+0.3
R58B	Mineral	62.56	350	P	P	06	21	10.6	+0.1
W47A	Nunnely	62.65	341	P	P	06	21	10.2	-1.0
JCT	Junction City	62.67	328	eP	P	06	21	11.9	+0.4
JCT	Junction City	62.67	328	P	P	06	21	11.8	+0.4
51A	Gray	62.78	345	P	P	06	21	11.4	-0.6
Y46A	Holladay	62.80	341	P	P	06	21	10.9	-1.2
U49A	Red Boiling Sp	62.81	343	P	P	06			

ACSO	Alum Creek Sta	65.69 347	eP	P	06 21 30.3 -0.6
ACSO	Alum Creek Sta	65.69 347	P	P	06 21 30.4 -0.5
Q45A	Warren Harvey	65.69 342	P	P	06 21 29.8 -1.1
P47A	Martinsville	65.74 344	P	P	06 21 30.1 -1.1
O50A	Cable	65.75 346	P	P	06 21 30.4 -0.8
WMOK	Wichita Mounta	65.78 332	eP	P	06 21 31.1 -0.6
WMOK	Wichita Mounta	65.78 332	P	P	06 21 31.0 -0.6
N54A	Moraine State	65.83 349	eP	P	06 21 32.2 +0.4
N54A	Moraine State	65.83 349	P	P	06 21 31.8 0.0
R42A	Luebbering	65.91 340	P	P	06 21 31.8 -0.5
O49A	Covington	65.94 346	eP	P	06 21 31.8 -0.7
O49A	Covington	65.94 346	P	P	06 21 31.8 -0.7
Q44A	Meyer Farm, Va	65.95 341	P	P	06 21 32.1 -0.4
T38A	Diamond	65.98 336	P	P	06 21 33.1 +0.2
QSPA	South Polo Qui	66.09 180	eP	P	06 21 34.1 +0.7
R41A	Rosebud	66.11 339	P	P	06 21 33.3 -0.3
P45A	Graceland, Par	66.17 343	eP	P	06 21 32.6 -1.4
P45A	Graceland, Par	66.17 343	P	P	06 21 32.6 -1.4
O48A	Farmland	66.20 345	P	P	06 21 33.2 -1.0
S39A	Bolivar	66.22 338	eP	P	06 21 34.1 -0.3
S39A	Bolivar	66.22 338	P	P	06 21 34.4 0.0
N51A	Ashland	66.23 347	P	P	06 21 33.5 -0.8
N50A	Nevada	66.24 347	P	P	06 21 33.7 -0.7
M54A	Oil Creek Stat	66.31 350	P	P	06 21 34.7 -0.1
P48A	Sand Creek, Wi	66.36 342	P	P	06 21 34.2 -0.9
S34A	Stockton	66.37 337	P	P	06 21 35.2 -0.1
Q42A	Golden Eagle	66.41 340	P	P	06 21 34.9 -0.6
O47A	Sheridan	66.43 344	P	P	06 21 34.4 -1.1
MNTX	Cornudas Mount	66.46 325	eP	P	06 21 36.0 0.0
MNTX	Cornudas Mount	66.46 325	P	P	06 21 36.0 0.0
BINY	Binghamton	66.48 353	eP	P	06 21 36.3 +0.3
BINY	Binghamton	66.48 353	P	P	06 21 36.2 +0.3
M51A	Elyria	66.59 348	P	P	06 21 35.8 -0.8
N49A	Columbus Grove	66.61 346	eP	P	06 21 36.1 -0.6
N49A	Columbus Grove	66.61 346	P	P	06 21 36.1 -0.6
Q41A	Truxton	66.67 340	P	P	06 21 36.7 -0.5
N48A	Decatur	66.74 345	P	P	06 21 36.6 -0.9
P43A	Skaggs, Pawnee	66.78 341	P	P	06 21 36.9 -0.9
SFIN	Lafayette	66.80 344	eP	P	06 21 36.5 -1.3
SFIN	Lafayette	66.80 344	P	P	06 21 36.4 -1.5
M50A	Fremont	66.83 347	P	P	06 21 36.9 -1.2
O45A	Potomac	66.84 343	P	P	06 21 36.8 -1.4
N47A	Urbana	66.92 345	P	P	06 21 37.5 -1.1
O44A	Mansfield	66.95 342	P	P	06 21 37.7 -1.2
ERPA	Erie	66.96 350	P	P	06 21 39.0 +0.1
MSTX	Muleshoe	66.96 328	eP	P	06 21 39.6 +0.4
MSTX	Muleshoe	66.96 328	P	P	06 21 39.4 +0.2
P42A	Winchester	66.97 341	eP	P	06 21 38.5 -0.5
M49A	Liberty Center	67.09 346	P	P	06 21 39.1 -0.6
N46A	Monticello	67.19 344	P	P	06 21 39.3 -1.1
AMTX	Amarillo	67.19 330	eP	P	06 21 40.8 +0.1
AMTX	Amarillo	67.19 330	P	P	06 21 40.4 -0.3
MMNY	Mt. Morris Dam	67.25 351	eP	P	06 21 40.5 -0.2
M48A	Edgerton	67.27 346	P	P	06 21 40.1 -0.8
P41A	Barry, Barry	67.27 340	P	P	06 21 40.1 -0.8
O43A	Sugar Creek Fa	67.31 342	P	P	06 21 40.1 -1.1
N45A	Kentland	67.34 343	P	P	06 21 40.0 -1.4
M47A	Cromwell	67.36 345	P	P	06 21 40.7 -0.8
Q38A	Cooks Store, C	67.46 338	P	P	06 21 42.3 +0.2
HDIL	Hopedale	67.56 342	eP	P	06 21 41.6 -1.0
HDIL	Hopedale	67.56 342	P	P	06 21 41.7 -1.0
HSIG	Hopewell	67.57 319	eP	P	06 21 44.7 +1.6
M46A	Old House Field	67.58 344	P	P	06 21 41.7 -1.1
LIC	Lamto	67.61 72	eP	P	06 21 43.4 -0.2
O41A	Passleys Farm,	67.62 341	P	P	06 21 42.1 -1.0
L48A	N Adams	67.64 346	P	P	06 21 42.4 -0.8
L49A	Milan	67.66 347	P	P	06 21 42.7 -0.6
TIC	Toumoudi	67.81 72	eP	P	06 21 44.9 -0.1
L47A	Sherwood	67.84 346	P	P	06 21 43.5 -1.0
N43A	Stutzman Famil	67.88 342	P	P	06 21 44.1 -0.6
KIC	Kosan Boka	67.92 72	eP	P	06 21 45.6 0.0
DBIC	Dimbokoro	67.97 72	P	P	06 21 44.9 -1.0
DBIC	Dimbokoro	67.97 72	LR	LR	06 51 54.3
M44A	Midewin, Midew	67.99 343	P	P	06 21 44.3 -1.1
N42A	Yates City	68.02 341	P	P	06 21 45.0 -0.6
L46A	Eue Claire	68.14 345	P	P	06 21 45.1 -1.1
N41A	Harden Midland	68.15 341	eP	P	06 21 46.1 -0.4
N41A	Harden Midland	68.15 341	P	P	06 21 45.5 -0.9
M43A	Waltham Townsh	68.28 343	P	P	06 21 46.3 -0.9
319A	Douglas	68.34 322	eP	P	06 21 49.8 +1.9
121A	Cookes Peak, D	68.39 324	P	P	06 21 50.2 +1.9
K48A	Perry	68.40 347	P	P	06 21 47.1 -0.8
K47A	Vermontville	68.46 346	P	P	06 21 47.3 -0.9
M42A	Sheffield	68.52 342	P	P	06 21 47.7 -1.0

N40A	Mertquake, Sal	68.54 340	P	P	06 21 48.3 -0.5
KSU1	Kansas State U	68.66 336	eP	P	06 21 49.4 -0.2
KSU1	Kansas State U	68.66 336	P	P	06 21 49.6 0.0
M41A	Milan	68.67 341	P	P	06 21 48.7 -0.9
L44A	Lake County Fo	68.69 344	P	P	06 21 49.3 -0.4
LONY	Lake Ozonia	68.73 354	P	P	06 21 49.5 -0.4
N39A	Derby Farms, D	68.82 340	eP	P	06 21 50.2 -0.3
N39A	Derby Farms, D	68.82 340	P	P	06 21 50.1 -0.5
L43A	Garden Prairie	68.92 343	P	P	06 21 50.5 -0.6
J47A	Summer	68.96 346	P	P	06 21 50.7 -0.7
M40A	Post Highland	68.99 341	P	P	06 21 50.7 -0.9
L42A	Oliver Polo	69.00 342	P	P	06 21 51.1 -0.6
BNN	Barren Site	69.03 326	eP	P	06 21 53.9 +1.6
LPM	Los Pinos Moun	69.16 326	eP	P	06 21 54.7 +1.7
M39A	Webster	69.26 340	P	P	06 21 52.5 -0.8
K43A	Burlington	69.30 343	eP	P	06 21 53.1 -0.4
K43A	Burlington	69.30 343	P	P	06 21 53.0 -0.4
L41A	Preston	69.31 342	P	P	06 21 52.6 -0.9
LAZ	Ladron	69.49 325	eP	P	06 21 56.9 +1.8
J45A	Montague	69.50 345	P	P	06 21 53.5 -1.2
L40A	Anamosa	69.51 341	eP	P	06 21 53.9 -0.9
L40A	Anamosa	69.51 341	P	P	06 21 54.2 -0.6
ANMO	Albuquerque	69.56 326	eP	P	06 21 56.8 +1.2
ANMO	Albuquerque	69.56 326	P	P	06 21 57.1 +1.6
K42A	Prairie Point,	69.64 343	P	P	06 21 55.2 -0.3
CBKS	Cedar Bluff	69.64 333	eP	P	06 21 56.5 +0.7
CBKS	Cedar Bluff	69.64 333	P	P	06 21 56.7 +0.9
K41A	Shullsburg	69.74 342	P	P	06 21 55.8 -0.4
L39A	Vinton	69.80 341	P	P	06 21 56.0 -0.6
TUC	Tucson	69.88 322	eP	P	06 21 58.7 +1.3
TUC	Tucson	69.88 322	P	P	06 21 59.0 +1.6
J43A	Natural Harves	69.95 344	P	P	06 21 57.1 -0.3
JFWS	Jewell Farm	70.01 342	eP	P	06 21 57.9 0.0
JFWS	Jewell Farm	70.01 342	P	P	06 21 57.5 -0.3
K40A	Colesburg	70.07 341	P	P	06 21 57.4 -0.7
J42A	Columbus	70.08 343	P	P	06 21 57.8 -0.4
K39A	Oelwein	70.29 341	P	P	06 21 58.9 -0.7
T25A	Trinidad	70.31 329	eP	P	06 22 01.3 +1.2
T25A	Trinidad	70.31 329	P	P	06 22 01.5 +1.4
I43A	Langenfeld Bro	70.35 344	P	P	06 21 59.4 -0.5
J41A	Loganville	70.36 342	P	P	06 21 59.7 -0.3
GLMI	Graying	70.44 347	eP	P	06 22 00.4 0.0
I42A	Draeger Farm,	70.56 343	eP	P	06 22 00.9 -0.2
I42A	Draeger Farm,	70.56 343	P	P	06 22 00.9 -0.2
J40A	Soldiers Grove	70.59 342	P	P	06 22 00.8 -0.6
L36A	Harm Buss Farm	70.62 339	P	P	06 22 01.4 -0.1
214A	Organ Pipe Nat	70.80 320	P	P	06 22 04.7 +1.8
H43A	Windswept, Lux	70.81 345	eP	P	06 22 02.4 -0.2
H43A	Windswept, Lux	70.81 345	P	P	06 22 02.2 -0.4
J39A	Decorah	70.81 341	P	P	06 22 02.2 -0.5
K37A	Belmond	70.89 340	P	P	06 22 02.5 -0.6
I41A	Arkdale	70.97 343	eP	P	06 22 03.5 -0.1
I41A	Arkdale	70.97 343	P	P	06 22 03.1 -0.5
K40A	Norwalk	71.01 342	P	P	06 22 03.4 -0.5
KSC0	Kaye Shedlock'	71.03 331	eP	P	06 22 01.3 -3.0
K36A	Gilmore City	71.03 339	P	P	06 22 03.9 -0.1
H42A	Shiocton	71.03 344	eP	P	06 22 03.9 -0.1
H42A	Shiocton	71.03 344	P	P	06 22 03.5 -0.5
X18A	Snowflake	71.08 324	eP	P	06 22 06.5 +1.8
I39A	Houston	71.24 342	eP	P	06 22 04.6 -0.6
I39A	Houston	71.24 342	P	P	06 22 04.8 -0.4
BGNE	Belgrade	71.25 336	eP	P	06 22 06.0 +0.6
BGNE	Belgrade	71.25 336	P	P	06 22 06.0 +0.6
SDCO	Great Sand Dun	71.31 329	eP	P	06 22 06.9 +0.7
SDCO	Great Sand Dun	71.31 329	P	P	06 22 07.7 +1.5
F46A	Macinaw City C	71.37 347	P	P	06 22 05.7 -0.2
W18A	Petrified Fore	71.40 324	P	P	06 22 08.1 +1.4
H41A	Junction City	71.42 343	eP	P	06 22 05.3 -1.0
H41A	Junction City	71.42 343	P	P	06 22 06.0 -0.4
F45A	CMU Biological	71.44 347	P	P	06 22 05.8 -0.5
G43A	Wallace	71.53 345	P	P	06 22 06.4 -0.5
H40A	Chillicothe	71.63 343	P	P	06 22 07.1 -0.5
G42A	Mountain	71.69 344	eP	P	06 22 07.5 -0.5
G42A	Mountain	71.69 344	P	P	06 22 07.7 -0.3
X16A	Lo Mia Camp, P	71.81 323	eP	P	06 22 10.7 +1.6
G41A	Antigo	71.86 344	P	P	06 22 08.7 -0.2
F44A	Big Bay de Noc	71.92 346	P	P	06 22 08.8 -0.4
H39A	Augusta	71.93 342	P	P	06 22 08.8 -0.5
113A	Mohawk Valley,	71.94 320	eP	P	06 22 11.5 +1.8
S22A	4UR Ranch, Cre	71.95 328	eP	P	06 22 11.0 +1.0
S22A	4UR Ranch, Cre	71.95 328	P	P	06 22 11.3 +1.3
F43A	Flat Rock, Esc	71.95 345	P	P	06 22 08.9 -0.6
E45A	Wooded Hills,	72.02 347	P	P	06 22 09.6 -0.2
Q24A	Divide	72.12 330	eP	P	06 22 12.4 +1.4
Q24A	Divide	72.12 330	eS	S	06 21 22.6 +3.3
Q24A	Divide	72.12 330	P	P	06 22 12.4 +1.4

G40A	Rib Lake	72.17 343	P	P	06 22 10.6 -0.2
H38A	Maiden Rock	72.21 341	P	P	06 22 10.9 -0.1
F41A	Three Lakes	72.33 344	eP	P	06 22 12.0 +0.3
F41A	Three Lakes	72.33 344	P	P	06 22 11.6 -0.2
Y14A	Wickenburg	72.34 321	eP	P	06 22 13.7 +1.6
MVCO	Mesa Verde	72.36 326	eP	P	06 22 13.8 +1.5
MVCO	Mesa Verde	72.36 326	P	P	06 22 13.9 +1.5
E43A	Lone Tree Farm	72.42 346	eP	P	06 22 12.2 -0.1
E43A	Lone Tree Farm	72.42 346	P	P	06 22 11.9 -0.4
G39A	Hotcombs	72.45 342	P	P	06 22 12.0 -0.4
G38A	Ridgeland	72.54 342	P	P	06 22 12.4 -0.5
WUAZ	Wupatki	72.59 323	eP	P	06 22 15.5 +1.9
WUAZ	Wupatki	72.59 323	P	P	06 22 15.6 +1.9
E42A	Champion	72.69 345	eP	P	06 22 13.7 -0.1
ECSD	EROS Data Cent	72.73 338	eP	P	06 22 14.1 -0.1
ECSD	EROS Data Cent	72.73 338	P	P	06 22 14.1 -0.1
F40A	Park Falls	72.76 343	P	P	06 22 14.2 0.0
GLA	Glamis	72.77 319	eP	P	06 22 16.5 +1.8
GLA	Glamis	72.77 319	P	P	06 22 16.5 +1.8
SPMN	Marine on St.	72.86 341	eP	P	06 22 14.4 -0.5
SPMN	Marine on St.	72.86 341	P		

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like Catalina Islan, Butcher Ranch, MSU Marysville, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like HLID Hailey, MCMT McKenzie Canyon, BOZ Bozeman, etc.

Table with columns: Code, Station Name, Frequency, Mode, Power, and other parameters. Includes stations like LZH Lanzhou, CMAR Chiang Mai Arr, NJ2 Nanjing, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like KURK Kurchatov, MA2 Magadan, NVS Novosibirsk, etc.

KRNET 04 06:42:40.0, 1.4, 40.92N, 74.87E, h11km, mb3.1
NNC 04 06:42:42.5, 1.4, 40.95N, 74.89E, h0km, mb3.6, mpv3.3,
Error ellipse: s-maj=16.8km s-min=6.8km az=122.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like NRN Naryn, ARLS Aral, KZA Kyzart, etc.

Main table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like ARSB baz=86, AML Almayashu, UHLL Ulahol, etc.

IDC 04 06:44:03.4, 0.9, 49.96N, 178.93E, h0km, mb3.9/15,
mb1 4.2/16, mb1mx4.0/44, mbmp3.9/16, ML3.5/2, MS3.3/2,
Ms1 3.3/2, ms1mx2.6/41, Error ellipse: s-maj=26.6km
s-min=16.2km az=178.0
ISCJTB 04 06:44:06.2, 1.8, 50.09N, 0.05E, 178.97E, 0.07,
h27km, 13km, mb3.9/15, MS3.4/2, Error ellipse: s-maj=8.5km
s-min=7.7km az=146.3
NEIC 04 06:44:08.2, 0.0, 50.19N, 179.03E, h30km, ML3.6(AEIC),
After AEIC.
ISC 04 06:44:06.7, 4.6, 50.14N, 0.07E, 179.00E, 0.05, h16km, 29km,
n35, e075/38, mb4.0/15, Rat Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like AMKA Amchitka, CESW Semis' Southwe, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like LSPA Little Sitkin, GALEA Gareloi Lava P, TASE Tasei Southwe, etc.

KNET 04 06:46:36.6, 0.5, 40.78N, 74.88E, h0km, ml2.2, Error
ellipse: s-maj=5.4km s-min=3.5km az=89.0
KRNET 04 06:46:37.2, 0.1, 40.87N, 74.89E, h12km, mb2.7
SOME 04 06:46:37.3, 40.83N, 74.90E, h5km
NINC 04 06:46:40.1, 1.1, 40.88N, 74.92E, h0km, mb3.1, mpv2.9,
Error ellipse: s-maj=12.7km s-min=8.8km az=121.0
ISCJB 04 06:46:43.2, 0.6, 40.94N, 0.04E, 74.69E, 0.04, h10km, Error
ellipse: s-maj=5.8km s-min=4.1km az=139.7
ISC 04 06:46:40.0, 1.0, 40.90N, 0.04E, 74.93E, h10km, n40,
e1949/72, 41C-16D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like NRN Naryn, ARLS Aral, KZA Kyzart, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MNAS Manas, DGS Degeres, MTBS Matutuo, etc.

NIED 04 07:13:00,36.50N,142.60E,h8km,Mw3.9 Best double couple: M7.03000x1014 NP1.32213.00000, 341.00000, 1.03.00000, NP2.016.00000, 351.00000, 7.9.00000. ISCJB 04 07:13:31.7, 1.7, 96.49N, 0.04, 142.52E, 0.06, h2km, 12km, mb3.9/16, MS3.4/1, Error ellipse: s-maj=8.1km s-min=6.1km az=21.3 JMA 04 07:13:32.0, 2.0, 36.46N, 142.56E, h65km, M3.5 IDC 04 07:13:33.8, 0.9, 37.09N, 142.39E, h0km, mb3.9/11, mb1.4/0.13, mb1mx3.8/56, mb1mp3.8/13, ML3.5/2, MS3.3/2, Ms1.3/4.2, ms1mx2.6/34, Error ellipse: s-maj=21.9km s-min=20.3km az=48.0 NEIC 04 07:13:39.2, 0.6, 37.03N, 142.26E, h35km, mb4.3/5, Error ellipse: s-maj=13.1km s-min=10.3km az=157.0 ISC 04 07:13:32.6, 2.6, 36.53N, 0.04, 142.37E, 0.07, h8km, 15km, n58, r154/55, mb4.1/16, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ONAJ Iwakimizuishiy, JHYU Hitachinaka, JHO Hitachi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like NVAR Mina Array Bea, AKASA Malin Array Be, TXAR Lajitas Array, etc.

IDC 04 07:33:06.9, 999.0, 50.51N, 116.43E, h0km, Error ellipse: s-maj=678.7km s-min=211.0km az=107.0, Tuva-Buryatia-Mongolia border region Code Station Name Az Az' Phase ID Op ISC Time Res h m s ISC I45RU USSURIYSK INFR 12.28 115 i P 08 52 40.0 I30JP ISUMI INFRASON 23.03 122 i P 10 07 10.0 I44RU PETROPALVOVSK25.40 68 i P 10 07 40.0

IDC 04 08:28:46.5, 4.6, 25.66N, 56.51E, h0km, mb3.8/4, mb1.4/0.4, mb1mx3.5/49, mb1mp3.3/4, Error ellipse: s-maj=90.2km s-min=38.3km az=123.0 OMAN 04 08:28:46.8, 0.3, 25.83N, 56.55E, h1km, Error ellipse: s-maj=6.3km s-min=1.2km az=258.0 DSN 04 08:28:47.7, 1.3, 25.78N, 56.45E, h5km, ML3.3/10, Error ellipse: s-maj=15.3km s-min=3.6km az=70.0 ISCJB 04 08:28:48.4, 0.4, 25.77N, 0.02, 56.41E, 0.05, h10km, mb3.7/4, Error ellipse: s-maj=7.1km s-min=3.4km az=175.7 TEH 04 08:28:48.9, 25.77N, 56.33E, h12km, ML3.5 ISC 04 08:28:48.3, 0.7, 25.76N, 0.03, 56.49E, 0.05, h10km, n37, r146/40, mb3.8/4, Eastern Arabian Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BANOM Banah, SHME Shamm, MSFE Esma-Masafi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like IKAZ Kazeroun, IMEH Mehriz, IRAM Ramesh, etc.

IDC 04 08:30:25.6, 2.0, 2.18S, 128.26E, h0km, mb3.1/2, mb1.3/5, mb1mx3.3/39, mb1mp3.3/3, ML3.8/1, Error ellipse: s-maj=144.0km s-min=25.9km az=68.0, Ceram Sea Code Station Name Az Az' Phase ID Op ISC Time Res h m s ISC WRA Warramunga Arr 18.63 162 P 08 34 44.3 -0.7 ASAR Alice Springs 22.05 166 P 08 35 22.4 +0.2 MKAR Makaranchi Array 63.27 326 P 08 40 56.3 +0.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ROM 04 08:44:12.7, 0.3, 38.135N, 0.005, 14.872E, 0.006, h9km, 1km, ML2.4/12, Sicily, NOV Novara, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Castanea, Alicudi, Pollina, Scilla, Carlentini, Samo, etc.

ROM 04 08:44:54.0±0.3, 38.138N, 0°06'14.873E±0°00', h8km, 1km, ML2.5/22, Sicily

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Novara, San Fratello, Monte Soro, Vulcano Piano, Milazzo, Port Mandanici, Filicudi I Eol, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Alicudi, Pollina, Motta San Giov, Petralia Sopra, Gibilmanna, Scilla, Lentini, Carlentini, Augusta, Joppolo, Samo, Vizzini, Sortino, Avola, Carolei, Pertek, etc.

ISC 04 08:46:44.9±2.2, 37.0N, 0°11'39.94E±0°08', h10km, n5, c038/7, Jordan-Syria region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Mazidag, Sanliurfa, Sanliurfa_Surc, Pertek, etc.

MEX 04 08:48:09.0±0.7, 24.70N, 110.81W, h10km, MD3.7, Baja California

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes station La Paz.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Stephens Creek, Alice Springs, Warrungu Arr, Malin Array Be, etc.

ISCJB 04 08:58:58.1±0.5, 64.64N, 0°03'33E±0°09', h0km, Error ellipse: s-maj=5.9km s-min=3.5km az=15.2

HEL 04 09:00:00.1±0.1, 64.73N, 30°59E, h0km, ML1.9, Explosion
IDC 04 09:00:01.9±2.5, 64.65N, 30°73E, h0km, mb1 2.8/3, mb1mx2.8/45, mbtmp2.7/3, ML1.9/3, Error ellipse: s-maj=34.4km s-min=8.7km az=100.0

UPP 04 09:00:01.6±3.1, 64.50N, 30°65E, h0km, ML1.7
KOLA 04 09:00:01.1±1.0, 64.73N, 0°03'30.79E±0°06', h0km, n2, c1870/42, Finland-Karelia border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Rieikki, Joensuu, Merijarvi, Sumiainen, Tornio, Apatity Array, Vario, Kalix, Keuruu, FINESS Array S, FINESS Array B, Sjuksmark, Vistaro, Ertisjaerv, Burvik, Haru Haros, VJF, Umeaa, Masungsbyn, Hef, Hetta, Ulittraesk, Dundred, SVAU, ARCES Array B, ARCES Array S, NOARSAR Array B, etc.

ISCJB 04 09:17:10.9±0.5, 20.58S, 0°03'69.05W±0°07', h120km, 7km, mb3.8/3, Error ellipse: s-maj=10.2km s-min=4.8km az=168.4

GUC 04 09:17:10.8±0.6, 20°60S, 69°08W, h116km, 4km, ML3.7
IDC 04 09:17:14.7±2.6, 20°41'38.44W, h139km, 24km, mb3.5/4, mb1 3.6/6, mb1mx3.3/31, mbtmp4.0/6, Error ellipse: s-maj=45.4km s-min=22.9km az=110.0

ISC 04 09:17:10.7±0.8, 20.53S, 0°04'68.96W±0°06', h114km, 8km, n24, c161/34, mb3.9/3, 7C-1D, Chile-Bolivia border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IPOC Station P, Pisagua, IPOC Station P, Minye Minye, IPOC Station P, Limon Verde, IPOC Station P, IPOC Station P, IPOC Station P, IPOC Station P, etc.

4d 14h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NSTT Nanjuang, ESL Shilin, CHGB Renai, etc.

ECX 04 13:12:28.6:0.5, 32.73N:115.53W, h13km, MD2.7, ML2.9
ISCJB 04 13:12:29.4:0.4, 32.75N:115.51W:0.02, h15km, 3km,
Error ellipse: s-maj=3.7km s-min=2.8km az=175.6

NEIC 04 13:12:29.0:0.0, 32.75N:115.50W, h15km, ML2.9(ExC),
ML2.9(PAS), After PAS.
NEIC Fell [I] at Heber and [III] at El Centro and Imperial. Also
fell at Calexico.

MEX 04 13:12:31.4:0.4, 32.81N:115.42W, h16km, 37km, MD3.6
ISC 04 13:12:28.9:0.9, 32.73N:115.49W:0.02, h23km, 7km,
n46, #091/66, 7C-7D, California-Baja California border
region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DREC Desert Rsrch C, WESC Westside Schoo, SWSC Sam W. Stewart, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like 113A Mohawk Valley, MURC Marieta, SPX San Pedro Mart, etc.

IDC 04 13:24:36.0:3.3, 19.11N:95.75E, h0km, mb4.0/6,
mb1.4/0.6, mb1mx3.6/35, mbtmp4.0/6, ML3.3/1, Error
ellipse: s-maj=78.2km s-min=15.4km az=26.0
ISCJB 04 13:24:36.7:1.7, 19.11N:95.6E:0.1, h13km, mb4.0/6,
Error ellipse: s-maj=46.3km s-min=6.6km az=23.3
ISC 04 13:24:37.6:1.1, 19.00N:95.6E:0.1, h13km, n22,
#093/23, mb4.0/6, Myanmar

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CHTO Chiang Mai, CMMT Chiang Mai, CMAR Chiang Mai Arr, etc.

IDC 04 13:29:18.7:2.8, 10.10N:126.23E, h0km, mb3.4/3,
mb1.3/6/3, mb1mx3.4/30, mbtmp3.4/3, MS2.8/1, Ms1.3/0.1,
ms1mx2.4/3, Error ellipse: s-maj=247.6km
s-min=27.4km az=66.0, Philippine Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, WRA Warrungarra Arr, ASAR Alice Springs, etc.

ISC 04 13:44:06.8, 38.85N:26.40E, h6km, ML3.2/13
ISCJB 04 13:44:07.7:0.3, 38.84N:26.43E:0.02, h8km, 3km,
Error ellipse: s-maj=3.2km s-min=2.1km az=169.5
THE 04 13:44:07.5, 38.84N:26.42E, h0km, ML2.6/7, Error
ellipse: s-maj=1.4km s-min=0.5km az=63.0
ATH 04 13:44:07.0, 38.85N:26.49E, h24km, 1km, ML2.7/7, Error
ellipse: s-maj=1.9km s-min=0.9km az=258.0
DDA 04 13:44:07.8, 38.84N:26.46E, h7km, ML3.5
ISC 04 13:44:07.9:0.9, 38.85N:26.45E:0.02, h14km, 7km,
n70, #091/96, Aegean Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FOCM Fo Sa, KREB Karaburun, CAND Candarli, etc.

MEX 04 14:24:09.0:8.4, 24.58N:110.81W, h20km, MD3.6, Baja
California
Code Station Name Az Az' Phase ID Time Res ISC
LPIG La Paz 0.73 141 eP Sb 14 24 21.1 -2.0
LPIG Laz Paz, slow=2.6 eS S 14 24 29.2 -3.6
SLBS Sierra La Lagu 1.27 141 eP S 14 24 29.2 -2.4
SLBS Sierra La Lagu 1.27 141 eS S 14 24 32.4 -4.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DGB DGB, BAYC CANAKKALE, BOZC Bozcaada, etc.

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

ISK 04 13:56:26.7, 34.98N:27.98E, h5km, ML3.6/2
ATH 04 13:56:30.4, 35.01N:27.81E, h14km, 4km, ML2.9/5, Error
ellipse: s-maj=5.8km s-min=1.9km az=225.0
THE 04 13:56:34.1, 35.34N:27.70E, h0km, 3km, ML2.6/2, Error
ellipse: s-maj=5.8km s-min=1.3km az=162.0
ISC 04 13:56:29.7:2.1, 35.12N:27.09E:0.06, h0km, 14km,
n27, #128/32, Dodecanese Islands

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

MEX 04 14:24:09.0:8.4, 24.58N:110.81W, h20km, MD3.6, Baja
California
Code Station Name Az Az' Phase ID Time Res ISC
LPIG La Paz 0.73 141 eP Sb 14 24 21.1 -2.0
LPIG Laz Paz, slow=2.6 eS S 14 24 29.2 -3.6
SLBS Sierra La Lagu 1.27 141 eP S 14 24 29.2 -2.4
SLBS Sierra La Lagu 1.27 141 eS S 14 24 32.4 -4.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LCY Lacayo, TECA Tecapa, San Miguel, etc.

Table with columns: TUZ, KIW, OGWZ, MRZ, SYZ, BFZ, TSZ, KHEZ, VRZ, TUZ. Includes station names like Tuapeka, Kapiti Island, Otaki Gorge, etc.

ISCJB 04 16:09:07.0.0.3.2.19S:0.03:77.80W:0.06, h148km, 4km, mb3.8/10, Error ellipse: s-maj=10.0km s-min=4.9km az=18.4

IGC 04 16:09:07.0.0.5.2.6S:4.78W:1.134km, 4km, MLV4.3/4, IDL 04 16:09:08.2.0.8.2.04S:77.60W, h147km, 7km, mb3.7/10, mb1.3/9.16, mb1mx3.7/4.1, mbtmp4.2/16, Error ellipse: s-maj=16.7km s-min=12.6km az=78.0

ISC 04 16:09:07.0.0.6.2.21S:0.05:77.74W:0.06, h143km, 5km, n82, r153/99, mb3.8/10, Peru-Ecuador border region

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists numerous stations like PUYO, BPAT, RICE, etc.

s-min=8.7km az=169.7 JMA 04 16:17:38.0.4.3.372N:140.093E, h40km, M3.1, ISC 04 16:17:37.6.1.6.3334N:107.1412E:0.2, h58km, n10, r0577.9, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like BSO1, JHU2, BSO3, etc.

IDL 04 16:20:05.0.0.8.2.129S:174.133W, h0km, mb4.2/9, mb1.4/5.9, mb1mx4.2/34, mbtmp4.1/9, MS3.2/2, Ms1.3/2.2, ms1mx2.8/32, Error ellipse: s-maj=31.9km s-min=21.8km az=148.0

NEIC 04 16:20:06.0.0.2.21.36S:174.28W, h10km, mb4.7/26, Error ellipse: s-maj=10.8km s-min=6.1km az=134.0, ISCJB 04 16:20:08.0.0.3.2.126S:0.07:174.98W:0.07, h30km, mb4.5/33, MS3.0/1, Error ellipse: s-maj=11.7km s-min=7.3km az=136.8

ISC 04 16:20:09.4.0.5.2.12S:0.1:174.3W:0.1, h30km, n70, r1504/67, mb4.6/33, Tonga Islands

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists numerous stations like AFI, AFI1, AFI2, etc.

BRTR comp=2.1nm, 1.0s, baz=126, slow=3.2, SNR=6.8 PKPab sPKPdf 16 40 04.2 -14

ISCJB 04 16:25:00.9.0.3.59.00N:0.02:136.74W:0.05, h10km, mb3.6/6, Error ellipse: s-maj=4.1km s-min=2.4km az=137.5, IDC 04 16:25:01.6.0.8.59.15N:136.61W, h0km, mb3.6/6, mb1.3/9.10, mb1mx3.6/4.6, mbtmp3.7/10, ML3.7/4, MS3.0/3, Ms1.3/0.3, ms1mx2.5/32, Error ellipse: s-maj=18.7km s-min=8.4km az=36.0

PGC 04 16:25:03.9.0.0.59.06N:136.73W, h10km, ML4.0/9, 85km west of Haines, AK Southeastern Alaska, NEIC 04 16:25:03.1.0.0.58.98N:136.75W, h4km, ML3.9(AEIC), ML4.0(OT), After AHC.

NEIC Felat at Gustavus, Haines, Juneau and Skagway, ISC 04 16:25:02.1.0.5.59.01N:0.03:136.86W:0.03, h10km, n80, r172/104, mb3.6/6, Southeastern Alaska

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists numerous stations like SKAG, BESE, JIS, etc.

IDL 04 16:17:33.8.2.7.33.25N:140.48E, h0km, mb3.5/2, mb1.3/7.3, mb1mx3.3/4.5, mbtmp3.4/3, ML2.9/1, MS4.0/2, Ms1.4/0.2, ms1mx2.8/31, Error ellipse: s-maj=103.2km s-min=26.8km az=72.0, ISCJB 04 16:17:35.8.1.2.64N:0.07:141.2E:0.2, h58km, mb3.6/2, MS3.9/2, Error ellipse: s-maj=21.9km

AKSB Malin Array S1 145.28 334 ePKPbc PKPbc 16 39 43.1 -0.7, KIEV Malin Array S1 145.29 334 ePKPbc PKPbc 16 39 43.7 -0.3, AK11 Malin Array S1 145.32 334 ePKPbc PKPbc 16 39 51.0 -0.1, BUR04 Bucovina Air S 149.34 334 ePKPbc PKPbc 16 39 56.5 -0.1, CLL Colim comp=2.7, 0nm, 1.2s iPKPab pPKPdf 16 40 00.9 0.0, BR101 Keskin Array B 149.88 314 ePKPbc PKPbc 16 39 57.2 +0.1, BR102 Keskin Array B 149.88 314 ePKPab sPKPdf 16 40 04.2 -1.4, BRTR Keskin Array B 149.88 314 PKPbc PKPbc 16 39 57.2 +0.1, comp=2.1, 8nm, 1.0s, baz=174, slow=2.5, SNR=8.1

H112 WAKE ISLAND Hy 56.08 251 T T 17 34 19.7, H113 WAKE ISLAND Hy 56.09 251 T T 17 34 08.0, H111 WAKE ISLAND Hy 56.10 251 T T 17 34 24.0, H111 WAKE ISLAND Hy 56.11 251 T T 17 35 32.5, H112 WAKE ISLAND Hy 57.25 250 T T 17 35 38.8, H113 WAKE ISLAND Hy 57.25 250 T T 17 35 27.7, AKASG Malin Array B 70.26 9 P P 16 36 13.6 -0.1

4d 17h

Table with 4 columns: Station Name, Azimuth, Phase ID, Time Res. Includes stations like Malin Array Si, Urumqi, Chiang Mai Arr, Vanda.

IDC 04 16:25:33.0-2.4, 14.88Sx175.21W, h270km, 53km, mb3.1/4, mb1 3.4/5, mb1mx3.1/36, mbtmsp3.7/5, Error ellipse: s-maj=265.5km s-min=19.0km az=153.0, Samoa Island region

Table with 4 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Includes stations like AFI Afiamalu, WRA Warramunga Arr, ASAR Alice Springs, NVAR Mina Array Bea, PDAR Pinedale Array, BRTR Keskin Array B.

SJA 04 16:48:16.8-0.8, 31.90Sx68.24W, h110km, 4km, ML2.2, MW3.7, San Juan Province

Table with 4 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Includes stations like RJC Cerro Valdivia, ZON Zonda, RTLL Cerro Villucun, ASAL Salagasta, RTLS Leoncito, ACAN Cantantal, AMOG MIGNA, AUSP Uspallata, ARCO CERRO ARCO, AAGR Agrelo, ACCO Corro Coronel, ACDD Cuesta del Vie, APLL PUNTA DE LOS L, MRA San Martin, MRA GUANDACAO, ACHA CERRO LA CRUZ, RFA San Rafael.

DDA 04 16:56:53.0, 38.15N-39.03E, h7km, M2.9, ISK 04 16:56:52.9, 38.12N-39.04E, h8km, ML2.7/3, ISCJB 04 16:56:53.1-0.5, 38.13N-0.02-39.03E-0.03, h1km, 5km, Error ellipse: s-maj=4.0km s-min=3.8km az=18.1, ISC 04 16:56:53.2-1.1, 38.13N-0.02-39.03E-0.03, h8km, 10km, n17, -0.6/20.9, Turkey

Table with 4 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Includes stations like SVRC Svirice-ELAZID, ELZG Elazig, URFA Urfu, PTX Pertek, AKCD Akcadag, DIYA Diyarbakir, DYBB Diyarbakir, SANL SANLIURFA_Merk, TNCL Tunceli-Merkez, HANI Diyarbakir_Han, KEMA Kemaliye, DARE Darende-Malaty, SURC SANLIURFA_SURC, MAZI Mazidag, SVAN Silvan-Diyarba, GAZ Gaziantep, KMRS Kahramanmaraş.

BUI 04 17:03:09.2, 5.70Nx126.40E, h86km, mb5.0/38, mb5.2/24, Ms4.5/7, Ms7.4/2

MAN 04 17:03:11.3, 5.48Nx126.20E, h71km, mb5.7, ML4.8, MS5.1, ISCJB 04 17:03:12.3-0.3, 5.58N-0.02-126.13E-0.04, h17km, 2km, mb4.6/30, Error ellipse: s-maj=6.7km s-min=3.4km az=171.6

GCMT 04 17:03:12.1-0.3, 5.66N-0.02-126.11E-0.03, h9km, 5km, MW4.8/70, Moment Tensor Solution: s1:c11, s2:c10, Duration: 0 Moment tensor: Scale 10^19Nm; Mr:0.57±.11; Mw:0.97±.12; Ms:1.55±.11; M1:1.25±.05; M2:1.04±.10; M3:0.41±.07; Best double couple: M2:1.5500x10^16 Np1:0.120,000000, s78,000000, s41,000000; NP2: 0.212,300,0000, s50,000000, s165,000000; Principal axes: T 2.1230, P1g36.00000, Azm349.00000; N 0.0610, P1g48.00000, Azm134.00000; P -2.1880, P1g18.00000, Azm245.00000; nsta1 refers to body waves, cut-off=40s. nsta2 refers to surface waves, cut-off=50s. Triangular moment-rate function

IDC 04 17:03:13.0-1.1, 5.58N-125.93E, h110km, 10km, mb4.3/25, mb1 4.5/27, mb1mx4.4/34, mbtmsp4.7/27, MS3.4/12, Ms1 3.4/12, ms1mx3.2/31, Error ellipse: s-maj=16.2km s-min=8.5km az=83.0

NEIC 04 17:03:14.1-0.9, 5.59N-125.91E, h120km, 8km, mb4.9/19, Error ellipse: s-maj=9.5km s-min=5.5km az=82.0

DJA 04 17:03:16.8-0.4, 5.7N-124.7E, h51km, 1km, Ms5.0/18, mb5.4/13, mb5.2/18, MLV5.1/12, Mw(MB)4.8/13, ISC 04 17:03:12.5-0.4, 5.53N-0.03-126.15E-0.04, h99km, 3km, n136, -1.9/17.7, mb4.7/30, 3C-4D, Mindanao

Table with 4 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Includes stations like DDMP Don Marcelino, GSPH General Santos, MATI Mati, DAV Davao City (W), DAV 732nm, 0.3s, baz=108, slow=20, SNR=16, DMPH Davao City-Mi, SKMP Bagumbayan, SGMF Sangihe, SGSI Sangihe, BUKP BUKP.

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Main table with 4 columns: Station Name, Azimuth, Phase ID, Time Res. Includes stations like CGP Cagayan de Oro, BUTP Butuan, PAGZ Pagadian, ZCP Zamboanga City, Tagbilaran, MSLP Masin, SGP Sibulan, TMTI Ternate, LLL Lapu-Lapu, KMSI Cibinong, OCLP Orlino, PLP Palo, BBS Borongan, LBMI Labuha, MRSI Marisa, RCP Roxas, CNP Catarman, LUWI Luwuk, SANI Sanana, APSI Ampaña, OTRP Odiangan, MPSI Mapaga, SWI Sorong, SIJI Sorong, SIJI baze=180, slow=20, SNR=2.7, PVCP Virac, PCI Palu, KDI Kendari, FAKI Fak Fak, TTSI Tana Toraja, RKPI Ransiki, PAPA Papua, SMKI Samkiri, SPSI Sidrap Palu, BNSI Bone, CAUP Cauayan, MTKI Muara Teweh, K APYP Conner, BATI Baumata, BAI Jayapura, LEM Lembeh, FITZ Fitzroy Crossi, PANO Nanorpanom, SKNT Sankinakorn, PMG Port Moresby, NONG Nongkai, CHAI Chauyaphum, WRAB Tennant Creek, WRA Warramunga Arr, PBK Port Moresby, PHET Kaeng Krachan, WHN Wuhan, MBWA Marble Bar, PSI Prapat, JUNU Nakatusae, SRDT SRDT, UTHA Uthaitani, SUKH Sukhothai, UMPA Umpang Tak, PAYA Payao, ENH Enshi, CMAR Chiang Mai Arr, CMAR Chiang Mai, CMAT Chiang Mai, CHTO Chiang Mai, ASAR Alice Springs, TIA Tai'an, KSAR Wunuju Arr, KSRS Korea Array, XAN Xi'an, MAJO Matsushiro, MJAR Matsushiro, MJAR Baijaitau, BNT Shenyang, LZH Lanzhou, LZH Lanzhou, SHL Shillong, USRK Ussuriysk Arr, MDJ Mudanjiang, MDJ Mudanjiang, MDJ Mudanjiang, STKA Stephens Creek.

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Table with 4 columns: Station Name, Azimuth, Phase ID, Time Res. Includes stations like STKA comp=Z, 18nm, 0.9s, baz=337, slow=8.8, SNR=27, LSA Lhasa, GATAI Gaotai, GTA Gaotai, GTA Gaotai, GTA Gaotai, GTA Gaotai, H1S3 WAKE ISLAND Hy 41.57, H1S1 WAKE ISLAND Hy 41.59, H1S2 WAKE ISLAND Hy 41.59, H1N1 WAKE ISLAND Hy 42.06, H1N3 WAKE ISLAND Hy 42.06, YSS Yushan, HIA Hailar, GUN Gumba, PKI Pulchoki, PKIN Pulchoki, KKN Kakani, DMN Dama, ULN Ulaanbaatar, SKN Songia Array, SONM Petropavlovsk, SONM Petropavlovsk, SONM Koldana, DANN Dangising, PYUN Piuthan, PLY Talaya, TETK Tet'yevo, PETK Kurchatov, BRVK Borovoye, NRIK Nauru, GEYT Alibek, ARU Art, COLA College, ILAR Eielson Array, MAW Mawson, MVA Mawson, MVA Mawson, EGAK Eagle, BRTR Keskin Array B, BRTR Keskin Array B, ARCES ARCES Array B, INK Inuvik, FINES FINESS Array B, SYO Syowa Base, NB2 NORSAR Subarra, NB2 NORSAR Subarra, NOA NORSAR Array B, NOA NORSAR Array B, YKA Yellowknife Arr, NVAR Nauru, TORD Torodi Arr, CPUP Villa Florida.

ISCJB 04 17:17:08.6-0.9, 12.5N-0.2-48.2E-0.1, h12km, mb3.7/5, MS3.2/8, Error ellipse: s-maj=26.5km s-min=15.8km az=174.5

IDC 04 17:17:08.5-1.4, 12.53N-48.21E, h0km, mb3.7/5, mb1 4.0/6, mb1mx3.5/35, mbtmsp3.8/6, ML3.8/1, MS3.2/10, Ms1 3.3/10, ms1mx3.0/43, Error ellipse: s-maj=40.3km s-min=20.9km az=14.0

ISC 04 17:17:10.1-1.1, 12.52N-0.2-48.2E-0.1, h12km, n15, -0.88/6, mb3.7/5, MS3.3/8, Eastern Gulf of Aden

Table with 4 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Includes stations like ATD Arta Tunnel, WSAR Wadi Arr, KMBO Kilima Mboyo, ASF Jabal Al Asfar, GEYT Alibek, GNI Garni, BRTR Keskin Array B, KBZ Khabaz, MKAR Makanchi Array, BOSA Bosof, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, MDT Midlett.

4d 21h

Table with columns: ARR, APE, VOIR, ISR, TLB, TIRR, BZS, CFR, PLOR, VRI, WRI. Rows include Arges, Apeiranthos, Topali, Tirusor, Buzias, Carcaui, Prostina, Vricioala, Vricioala.

IDC 04 20:43:36.6:1.7, 24.75N:99.43E, h0km, mb3.4/2, mb1 3.4/3, mb1mx3.1/50, mbtmp3.3/3, ML3.5/1, MS3.1/3, Ms1 3.1/3, ms1mx2.7/30, Error ellipse: s-maj=52.0km s-min=18.8km az=91.0

BUJ 04 20:43:37.2, 24.78N:99.69E, h14km, ML3.6/8, h10km, n12, ISC 04 20:43:36.6:1.1, 24.69N:0.06:99.67E:0.08, h10km, n12, z=507/13, MS3.0/3, Yunnan

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include KMI Kunming, PAYA Payao, CHTO Chiang Mai, CMMT Chiang Mai, LAMP Lampang, CMAR Chiang Mai Arr, CMAR Chiang Mai, WMQ Urumqi, WMQ Urumqi, SONM Songliao Array, SONM Makanchi Array, KLR Kul'dur, BVAR Borovoye Array, JHU Hachijo jima 2.

MAN 04 20:49:59.3, 9.82N:126.30E, h5km, mb3.9, ML2.7, MS2.3, 1C, Mindanao

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include SCPH Surigao, BUTP Butuan, MSLP Maasin, MSLP Musuan, BUKP Butuan.

ISCJB 04 21:01:19.9:0.5, 2.15N:0.05:96.46E:0.05, h28km, mb4.1/19, MS4.0/16, Error ellipse: s-maj=8.8km s-min=5.9km az=138.9

DJA 04 21:01:19.9:0.7, 2.14N:9.96E, h14km, 7km, M4.5/13, mb4.9/1, mb4.4/2, MLV4.6/13, Mw(mb)4.2/1

NEIC 04 21:01:23.9:1.4, 2.27N:96.58E, h50km, 12km, mb4.1/5, Error ellipse: s-maj=13.6km s-min=8.4km az=45.0

IDC 04 21:01:23.6:3.9, 2.22N:96.54E, h47km, 35km, mb3.7/16, mb1 3.9/18, mb1mx3.7/42, mbtmp4.0/18, ML3.9/2, MS3.9/20, Ms1 3.9/20, ms1mx3.7/37, Error ellipse: s-maj=35.8km s-min=13.9km az=56.0

ISC 04 21:01:21.3:0.6, 2.16N:0.05:96.52E:0.06, h28km, n71, z=160/53, mb4.1/19, MS4.0/16, Northern Sumatra

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include SNSI Sinabang, Aceh, GSI Gunungsitoli, KCSI Kotacane, TSI Tuntungan, PSI Prapat, PBI Pulau Batu, LHM Lhok Sumawe, MNSI Mandailing Nat, BKNI Bangkinang, SKLT Songkhla, TRTT Trang, KRAB Krabi, SRAK Srakaw, LEM Lembang, CHAI Chaiyaphum, SUKH Sukhothai, CMAR Chiang Mai Arr, CMAR Chiang Mai, PALK Pallekele, PALK Pallekele, CMMT Chiang Mai, CHTO Chiang Mai, NONG Nongkai, PAYA Payao, SHL Shillong, H0S2 Diego Garcia H, H0S3 Diego Garcia H, H0S1 Diego Garcia H, H0N1 Diego Garcia H, H0N2 Diego Garcia H, H0N3 Diego Garcia H, PKNI Pulchok, PKNI Pulchok, GUN Gumba, DMN Daman, KKN Kakani, LSA Lhasa, GKN Gorkha, KOLN Koldanda, DANM Dangsing, BATI Baumata, ENH Enshi.

2012 OCT

Table with columns: FITZ, WRT, BJA, WRA, ASAR, KSAR, KSRS, KSRS, MKAR, MKAR, SONM, SONM, GEYT, GEYT, KURB, KURK, USRK, ZALV, ZALV, ATD, STKA, STKA, BVAR, KMBO, NRK, BRTR, BRTR, SEY, BOS, FINES, ARCES, GERES, CLL, NOA, Vnda, BLA, TXAR. Rows include various stations and arrays with their respective coordinates and parameters.

IDC 04 21:10:13.2:1.9, 2.04N:96.22E, h0km, mb3.7/5, mb1 3.7/7, mb1mx3.5/35, mbtmp3.6/7, ML3.5/2, Error ellipse: s-maj=54.6km s-min=2.0km az=56.0

ISCJB 04 21:10:15.5:1.1, 1.95N:0.07:96.26E:0.10, h28km, mb3.6/5, Error ellipse: s-maj=15.6km s-min=6.7km az=151.5

DJA 04 21:10:17.2:1.0, 2.1N:6.96E, h10km, M3.7/9, MLV3.7/9 ISC 04 21:10:17.1:1.5, 2.00N:0.1:96.4E:0.1, h28km, n18, z=192/16, mb3.4/5, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include SNSI Sinabang, Aceh, GSI Gunungsitoli, KCSI Kotacane, TSI Tuntungan, PSI Prapat, LHMI Lhok Sumawe, MNSI Mandailing Nat, BKNI Bangkinang, SKLT Songkhla, CMAR Chiang Mai Arr, H0S2 Diego Garcia H, TSI Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, SONM Songliao Array, SONM Songliao Array, ZALV Zalesovo Beam, WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, SONM Songliao Array, SONM Songliao Array, ZALV Zalesovo Beam.

IDC 04 21:23:30.3:1.4, 1.88N:96.26E, h0km, mb3.9/7, mb1 4.0/9, mb1mx3.7/37, mbtmp3.9/9, ML3.6/2, MS3.4/6, Ms1 3.5/6, ms1mx3.1/42, Error ellipse: s-maj=40.1km s-min=19.1km az=50.0

BUJ 04 21:23:32.8, 1.78N:96.42E, h30km, mb4.5/23, mb5.0/11, Ms4.3/3, Ms7.4/0.3

DJA 04 21:23:32.5:0.7, 2.1N:3.96E, h15km, 5km, M4.4/13, ms1.9/18, mb4.7/2, MLV4.2/13, Mw(mb)5.5/1

ISCJB 04 21:23:33.6:0.4, 2.01N:0.04:96.28E:0.05, h28km, mb4.4/26, MS3.6/2, Error ellipse: s-maj=7.2km s-min=5.6km az=136.7

NEIC 04 21:23:36.4:0.9, 1.99N:96.39E, h39km, 8km, mb4.5/14, Error ellipse: s-maj=10.5km s-min=5.2km az=56.0

ISC 04 21:23:35.2:0.6, 1.98N:0.05:96.27E:0.06, h28km, n66, z=158/63, mb4.5/26, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include SNSI Sinabang, Aceh, GSI Gunungsitoli, KCSI Kotacane, TSI Tuntungan, PSI Prapat, PSI Prapat, PBI Pulau Batu, LHMI Lhok Sumawe, MNSI Mandailing Nat, TRTT Trang, KRAB Krabi, TPRI Tanjung Pinang.

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Table with columns: LEM, CISI, STKI, PALK, CM01, CM31, CMAR, CMAR, CHTO, CHTO, CMHT, CMHT, SHL, KMI, KMI, KMI, KMI, KMI, H0S2, H0S3, H0S1, GYA, GYA, LSA, CD2, SOEI, XAN, XAN, XAN, LZH, LZH, LZH, FITZ, NJ2, NJ2, Gaotai, Gaotai, GTA, GTA, GTA, GTA, HHC, HHC, HHC, KSH, KSH, WRA, WRA, NRN, FORT, ASO1, JNU, KSAR, KS01, KSRS, KSRS, MK01, MK31, MKAR, MKAR, MAK2, SONM, SONM, SONM, SONM, ZAAO, ZAAO, ZALV, ZALV, RAYN, STKA, BRVK. Rows include various stations and arrays with their respective coordinates and parameters.

IDC 04 21:47:03.6:3.9, 19.97S:140.55E, h0km, mb3.6/1, mb1 3.1/3, mb1mx3.1/21, mbtmp3.0/3, ML2.3/2, Error ellipse: s-maj=86.9km s-min=36.3km az=134.0, Queensland

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, MKAR Makanchi Array, MKAR Makanchi Array, ZALV Zalesovo Beam, ZALV Zalesovo Beam, STKA Stephens Creek, STKA Stephens Creek, BRVK Borovoye.

IDC 04 21:46:50.9:15.0, 41.45N:149.17E, h0km, mb3.8/2, mb1 3.9/3, mb1mx3.4/40, mbtmp3.9/3, ML2.0/1, Error ellipse: s-maj=368.2km s-min=71.9km az=167.0

ISCJB 04 21:47:31.4:1.6, 44.4N:0.2:146.3E:0.2, h150km, 16km, mb3.6/2, Error ellipse: s-maj=34.9km s-min=14.8km az=2.7

JMA 04 21:47:33.7:0.4, 44.32N:146.21E, h141km, 3km, ML2.9 ISC 04 21:47:31.6:1.9, 44.4N:0.2:146.4E:0.2, h143km, 16km, n12, z=64/17, Kuril Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include NEM2 Nemuro 2, NEM2 Nemuro 2, NIK Nakash, NIK Nakash, JTKR Abashiri-Toko.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like CPUP Villa Florida, CPUP Villa Florida, CPUP Villa Florida, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like EYMN Ely, K36A Gilmore City, L36A Harm Buss Farm, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like MEM Membach, MEM Echery, TX31 Lajitas Ar. Si, etc.

5d 0h

Table of station data for the 5d 0h period, including columns for Code, Station Name, Azimuth, Phase ID, Time, and Residual. Stations listed include H09W1, VTS, CJR, BMN, ARCA, YKA, HUMR, DAC, BUR0, BUR1, BUR2, E09A, IDI, INAR, OZUR, ALN, ALN, ISR, PLOR, VBI, FINES, FINES, SORM, ARCES, LLLB, KIEV, AKASG, ORV, ORV, BR13, BRTR, OBN, OBN, OBN, OBN, INK, INK, INK, VSR, VSR, DAWG, PRGR, KIV, KIV, NCK, NCK, IL1, ILAR, ILB, CCB, MDM, WRH, GNI, GNI, LSZ, LSZ, IM3, BOS, ARU, ARU, ARU, ARU, KMB0, SVE, RAYN, RAYN, ABKAR, VDA, LZH, AS01, ASAR, WB2, WRA.

Table of station data for the IDC 04 23:30:15.5-0.8, 17.52N, 46.37W, h0km, mb3.8/11, mb1 4.0/11, mb1mx3.8/48, mbtmp3.8/11, Error ellipse: s-maj=26.2km s-min=18.0km az=147.0, Northern Mid-Atlantic Ridge.

2012 OCT

Table of station data for the 2012 OCT period, including columns for Code, Station Name, Azimuth, Phase ID, Time, and Residual. Stations listed include TORD, KEST, TXAR, DAVOX, GERES, PDAR, H09W1, AKASG, BRTR, ILAR.

Table of station data for the ROM 04 23:35:33.0-4.0, 43.62N, 0.01x7.27E, 0.03, h12km, 2km, Md1.5/4, Northern Atlantic Ocean. Stations listed include Code, Station Name, Azimuth, Phase ID, Time, and Residual.

Table of station data for the MEX 04 23:49:59.5-1.1, 24.50N, 110.66W, h15km, MD3.6, Baja California. Stations listed include Code, Station Name, Azimuth, Phase ID, Time, and Residual.

ISCJB 05 00:13:57.5-0.5, 34.94N, 0.05x27.95E, 0.05, h10km, mb3.9/13, MS4.9/1, Error ellipse: s-maj=8.3km s-min=5.0km az=38.3, IDC 05 00:13:57.2-1.0, 35.11N, 27.86E, h0km, mb3.9/10, mb1 3.9/15, mb1mx3.8/52, mbtmp3.8/15, ML3.4/5, MS3.1/4, Ms1 3.1/4, mb1mx2.8/64, Error ellipse: s-maj=19.4km s-min=15.7km az=7.0, NEIC 05 00:14:00.1-0.9, 35.06N, 27.98E, h10km, mb4.1/2, Error ellipse: s-maj=14.5km s-min=9.0km az=41.0, ISC 05 00:13:59.9-0.6, 35.03N, 0.06x27.90E, 0.04, h10km, n58, c2509/61, mb3.9/12, Dodecanese Islands.

Table of station data for the ISC 04 23:58:22.8-1.1, 8.17S, 0.06x123.56E, 0.07, h10km, n11, c2711/14, Flores region. Stations listed include Code, Station Name, Azimuth, Phase ID, Time, and Residual.

Table of station data for the MEX 05 00:02:45.3-0.6, 16.34N, 98.28W, h9km, 5km, MD3.8, Near coast of Guerrero. Stations listed include Code, Station Name, Azimuth, Phase ID, Time, and Residual.

ISCJB 05 00:03:35.8-0.7, 17.6N, 0.1x46.5W, 0.1, h12km, mb3.7/9, Error ellipse: s-maj=18.8km s-min=16.8km az=26.8, IDC 05 00:03:35.6-0.8, 17.58N, 46.47W, h0km, mb3.8/9, mb1 4.1/9, mb1mx3.7/63, mbtmp3.8/9, MS3.1/1, Ms1 3.1/1, mb1mx2.7/47, Error ellipse: s-maj=24.3km s-min=20.7km az=118.0, ISC 05 00:03:37.4-0.8, 17.6N, 0.1x46.5W, 0.2, h12km, n16, c0538/9, mb3.8/9, Northern Mid-Atlantic Ridge.

Table of station data for the ISC 05 00:13:14.3-0.7, 17.5N, 0.1x46.5W, 0.1, h12km, mb3.8/9, Error ellipse: s-maj=21.3km s-min=16.8km az=26.8, IDC 05 00:13:14.1-0.8, 17.54N, 46.50W, h0km, mb3.8/9, mb1 4.1/9, mb1mx3.7/50, mbtmp3.8/9, Error ellipse: s-maj=25.0km s-min=20.9km az=121.0, ISC 05 00:13:16.0-0.8, 17.5N, 0.1x46.5W, 0.2, h12km, n16, c05719/9, mb3.9/9, Northern Mid-Atlantic Ridge.

Table of station data for the ISCJB 05 00:13:14.3-0.7, 17.5N, 0.1x46.5W, 0.1, h12km, mb3.8/9, Error ellipse: s-maj=21.3km s-min=16.8km az=26.8, IDC 05 00:13:14.1-0.8, 17.54N, 46.50W, h0km, mb3.8/9, mb1 4.1/9, mb1mx3.7/50, mbtmp3.8/9, Error ellipse: s-maj=25.0km s-min=20.9km az=121.0, ISC 05 00:13:16.0-0.8, 17.5N, 0.1x46.5W, 0.2, h12km, n16, c05719/9, mb3.9/9, Northern Mid-Atlantic Ridge.

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Table of station data for the 214 period, including columns for Code, Station Name, Azimuth, Phase ID, Time, and Residual. Stations listed include PTGA, LPAZ, H10N3, H10N2, H10N1, H10S3, H10S1, H10S2, CPUP, TORD, TXAR, PDAR, H09W1, BRTR, INK, ILAR.

ISCJB 05 00:13:57.5-0.5, 34.94N, 0.05x27.95E, 0.05, h10km, mb3.9/13, MS4.9/1, Error ellipse: s-maj=8.3km s-min=5.0km az=38.3, IDC 05 00:13:57.2-1.0, 35.11N, 27.86E, h0km, mb3.9/10, mb1 3.9/15, mb1mx3.8/52, mbtmp3.8/15, ML3.4/5, MS3.1/4, Ms1 3.1/4, mb1mx2.8/64, Error ellipse: s-maj=19.4km s-min=15.7km az=7.0, NEIC 05 00:14:00.1-0.9, 35.06N, 27.98E, h10km, mb4.1/2, Error ellipse: s-maj=14.5km s-min=9.0km az=41.0, ISC 05 00:13:59.9-0.6, 35.03N, 0.06x27.90E, 0.04, h10km, n58, c2509/61, mb3.9/12, Dodecanese Islands.

Table of station data for the ISCJB 05 00:13:57.5-0.5, 34.94N, 0.05x27.95E, 0.05, h10km, mb3.9/13, MS4.9/1, Error ellipse: s-maj=8.3km s-min=5.0km az=38.3, IDC 05 00:13:57.2-1.0, 35.11N, 27.86E, h0km, mb3.9/10, mb1 3.9/15, mb1mx3.8/52, mbtmp3.8/15, ML3.4/5, MS3.1/4, Ms1 3.1/4, mb1mx2.8/64, Error ellipse: s-maj=19.4km s-min=15.7km az=7.0, NEIC 05 00:14:00.1-0.9, 35.06N, 27.98E, h10km, mb4.1/2, Error ellipse: s-maj=14.5km s-min=9.0km az=41.0, ISC 05 00:13:59.9-0.6, 35.03N, 0.06x27.90E, 0.04, h10km, n58, c2509/61, mb3.9/12, Dodecanese Islands.

Table of station data for the ISCJB 05 00:13:57.5-0.5, 34.94N, 0.05x27.95E, 0.05, h10km, mb3.9/13, MS4.9/1, Error ellipse: s-maj=8.3km s-min=5.0km az=38.3, IDC 05 00:13:57.2-1.0, 35.11N, 27.86E, h0km, mb3.9/10, mb1 3.9/15, mb1mx3.8/52, mbtmp3.8/15, ML3.4/5, MS3.1/4, Ms1 3.1/4, mb1mx2.8/64, Error ellipse: s-maj=19.4km s-min=15.7km az=7.0, NEIC 05 00:14:00.1-0.9, 35.06N, 27.98E, h10km, mb4.1/2, Error ellipse: s-maj=14.5km s-min=9.0km az=41.0, ISC 05 00:13:59.9-0.6, 35.03N, 0.06x27.90E, 0.04, h10km, n58, c2509/61, mb3.9/12, Dodecanese Islands.

Table of station data for the ISCJB 05 00:13:57.5-0.5, 34.94N, 0.05x27.95E, 0.05, h10km, mb3.9/13, MS4.9/1, Error ellipse: s-maj=8.3km s-min=5.0km az=38.3, IDC 05 00:13:57.2-1.0, 35.11N, 27.86E, h0km, mb3.9/10, mb1 3.9/15, mb1mx3.8/52, mbtmp3.8/15, ML3.4/5, MS3.1/4, Ms1 3.1/4, mb1mx2.8/64, Error ellipse: s-maj=19.4km s-min=15.7km az=7.0, NEIC 05 00:14:00.1-0.9, 35.06N, 27.98E, h10km, mb4.1/2, Error ellipse: s-maj=14.5km s-min=9.0km az=41.0, ISC 05 00:13:59.9-0.6, 35.03N, 0.06x27.90E, 0.04, h10km, n58, c2509/61, mb3.9/12, Dodecanese Islands.

Table of station data for the ISCJB 05 00:13:57.5-0.5, 34.94N, 0.05x27.95E, 0.05, h10km, mb3.9/13, MS4.9/1, Error ellipse: s-maj=8.3km s-min=5.0km az=38.3, IDC 05 00:13:57.2-1.0, 35.11N, 27.86E, h0km, mb3.9/10, mb1 3.9/15, mb1mx3.8/52, mbtmp3.8/15, ML3.4/5, MS3.1/4, Ms1 3.1/4, mb1mx2.8/64, Error ellipse: s-maj=19.4km s-min=15.7km az=7.0, NEIC 05 00:14:00.1-0.9, 35.06N, 27.98E, h10km, mb4.1/2, Error ellipse: s-maj=14.5km s-min=9.0km az=41.0, ISC 05 00:13:59.9-0.6, 35.03N, 0.06x27.90E, 0.04, h10km, n58, c2509/61, mb3.9/12, Dodecanese Islands.

Table of station data for the ISCJB 05 00:13:57.5-0.5, 34.94N, 0.05x27.95E, 0.05, h10km, mb3.9/13, MS4.9/1, Error ellipse: s-maj=8.3km s-min=5.0km az=38.3, IDC 05 00:13:57.2-1.0, 35.11N, 27.86E, h0km, mb3.9/10, mb1 3.9/15, mb1mx3.8/52, mbtmp3.8/15, ML3.4/5, MS3.1/4, Ms1 3.1/4, mb1mx2.8/64, Error ellipse: s-maj=19.4km s-min=15.7km az=7.0, NEIC 05 00:14:00.1-0.9, 35.06N, 27.98E, h10km, mb4.1/2, Error ellipse: s-maj=14.5km s-min=9.0km az=41.0, ISC 05 00:13:59.9-0.6, 35.03N, 0.06x27.90E, 0.04, h10km, n58, c2509/61, mb3.9/12, Dodecanese Islands.

ISCJB 05 00:14:53.9-0.7, 19.34N, 0.07x102.28W, 0.04, h1km, mb3.1/2, Error ellipse: s-maj=10.4km s-min=5.7km az=168.9, MEX 05 00:14:57.1-1.8, 19.45N, 102.26W, h16km, 42km, MD4.2

5d 0h

Table with columns: ID, Name, Value, Unit, Status, Error, etc. Includes rows for Y49A Blount Mountain, 449A Pace, 149A Jones, etc.

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Table with columns: ID, Name, Value, Unit, Status, Error, etc. Includes rows for 146A Union, 246A Louisville, 246A Princeton, etc.

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Table with columns: ID, Name, Value, Unit, Status, Error, etc. Includes rows for I42A Draeger Farm, X41A Kaden, Bauxite, etc.

Table with columns: TOAD, Torodi Ar. Sit, 46.59 88 eP, P, 00 24 08.8 -1.2, etc. Includes stations like Torodi Ar. Bea, Belmont, Leonard, etc.

Table with columns: BFO, comp=Z,32nm,1.5s, 53.87 42 i P, LR, 00 25 05.1 +0.3, etc. Includes stations like Black Forest, Guatemala Moun, etc.

Table with columns: KHC, comp=Z,1.1um,18.5s, MLR, MLR, 57.46 43 eP, P, 00 25 29.2 -1.5, etc. Includes stations like GERRSS Array S, Mesa Verde, etc.

5d 0h

Table with columns for station name, frequency, power, and other technical details. Includes stations like LKWy Lake, DPC Dobruska-Polom, NB201 NORSAR Array S, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like OJC Ojcow, W13A Hualapai Mount, NIE Niedzica, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like NEW comp=Z,21nm,1.1s, NEW Newport, LVV L'Vov, etc.

5d 0h

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Table with columns: SVB, MLYT, GRMT, SRRT, ABVI, CDVI, STVI, MTP, HUMP, CBYP, SJG, SJG, SJG, SJG, EMPR, ICMP, OBIP, CRPR, AGP, MPR, BBSR, SDD, SDD, PTGA, PTGA, PTGA, LGNH, SDV, SDV, SDV, RCBR, RCBR, RCBR, CMLA, CMLA, BARC, RUSC, MTDJ, MACI, MOTC, ROSC, HELC, PMOZ, PMOZ, GBN, FUL, PMAR, GUYC, SAML, SAML, SAML, LMN, EMMW, GGN, FLOC, HRV, BDFB, BDFB, BDFB, BDFB, CNNC, WBCV, PAL, PAL, PAL, PAL, 859A, 059A, 059Z, PKME, PKME, 858A, 758A, DWPF, BATG, PQI, LBNH, LBNH, N59A, N59A, 657A, 757A, 857A, 456A, 156A

Table with columns: 656A, 556A, 356A, MOQ, BINY, JSC, JSC, FRNY, 555A, 255A, SSPA, KMSC, Z55A, 655A, 355A, 455A, 155A, BLA, 056A, 056A, Z54A, 254A, 154A, 154A, SIV, Y54A, TIGA, MCWV, 240GA, GOGA, GOGA, GOGA, Z53A, BG3, 453A, 153A, 353A, TRQ, 253A, V53A, V53A, X53A, Y53A, U53A, W53A, N54A, M54A, P53A, P53A, 252A, X52A, Z52A, 352A, 552A, 452A, PLVO, 152A, 152A, T52A, V52A, V52A, TKL, TKL, TKL, ERPA, TZTN, TZTN, S52A, P52A, 451A, 351A, 251A, 151A, Z51A, V51A, V51A, Y51A, CPCT, X51A, X51A, S51A

Table with columns: S51A, W51A, R51A, O51A, P51A, Q51A, 150A, 350A, N51A, N51A, 250A, 250A, MORF, MORF, Z50A, Z50A, V50A, Y50A, PTEO, 450A, W50A, W50A, U50A, X50B, ACSO, S50A, LIS, T50A, Q50A, R50A, P50A, Z49A, BRAL, MESJ, O50A, SWET, Y49A, 449A, 149A, PCVE, 349A, X49A, TGUH, M50A, V49A, 249A, PVAQ, PVAQ, PVAQ, W49A, U49A, T49A, T49A, LRAL, LRAL, PBEJ, S49A, TEIG, EVO, R49A, VLQD, Q49A, PTOM, O49A, P49A, LPAZ, LPAZ, LPAZ, LPAZ, PCAS, 448A, Y48A, X48A, X48A, 148A, N49A, 248A, 348A, W48A, M49A, PESTR, Z48A, S48A, W48A, V48A

MOOW	Moose Ponds	59.57 311	eP	P	00 30 01.3 +0.3
REDW	Red Top Meadow	59.62 310	eP	P	00 30 02.5 +1.1
TMUT	Trail Mountain	59.67 306	PFAKE	LR	00 30 10.0 +8.1
HSIG	comp=Z,75nm,2.0s	59.68 294	eP	P	00 30 01.7 -0.1
TPAW	Teton Pass	59.70 311	eP	P	00 30 02.0 0.0
IMW	Indian Meadow	59.73 311	eP	P	00 30 02.1 -0.1
YHH	Holmes Hill	59.74 312	eP	P	00 30 03.8 +1.6
YHH	comp=Z,40nm,1.9s		LR	LR	
AHID	Auburn Hatcher	59.76 310	eP	P	00 30 02.1 -0.2
AHID	comp=Z,13nm,0.9s		LR	LR	
FXWY	Fox Creek	59.77 311	eP	P	00 30 02.2 -0.2
WUAZ	Wupatki	59.77 301	eP	P	00 30 04.1 +1.6
WUAZ	comp=Z,40nm,1.4s		P	P	00 30 03.4 +0.9
MODS	Modra-Piesok	59.77 44	eP	P	00 30 00.5 -1.6
MODS	comp=Z,182nm,2.7s		pmx	pmx	
MODS	Modra-Piesok	59.77 44	eP	P	00 30 00.5 -1.6
YMR	Madison River	59.81 312	eP	P	00 30 03.5 +0.8
X16A	Lo Mia Camp, P	59.84 300	eP	P	00 30 03.0 -0.1
X16A	comp=Z,58nm,1.8s		eP	P	00 30 04.7 -1.8
TCUT	Toone Canyon	59.90 308	eP	P	00 30 04.1 +0.7
TCUT	comp=Z,39nm,1.3s		LR	LR	
JLU	Jordanelle	59.91 307	eP	P	00 30 04.4 +1.2
JLU	comp=Z,73nm,1.8s		LR	LR	
YHB	Horse Butte	59.98 312	eP	P	00 30 04.4 +0.6
MPU	Maple Canyon	60.02 306	eP	P	00 30 04.5 +0.3
MPU	comp=Z,39nm,1.7s		LR	LR	
HWUT	Hardware Ranch	60.04 308	eP	P	00 30 04.2 0.0
HWUT	comp=Z,32nm,1.5s		LR	LR	
CTU	Camp Tracy	60.14 307	PFAKE	LR	00 30 20.0 +15
MORC	Moravsky Berou	60.14 42	eP	P	00 30 04.0 -0.6
MORC	comp=Z,56nm,1.7s		LR	LR	
MORC	Moravsky Berou	60.14 42	eP	P	00 30 05.1 +0.5
MORC	comp=Z,11m,19.0s		pmx	pmx	00 30 04.0 -0.6
MORC	Moravsky Berou	60.14 42	eP	P	00 30 04.3 -0.3
QLMT	Earthquake Lak	60.15 312	eP	P	00 30 05.8 +0.8
BOZ	Bozeman (W)	60.36 313	eP	P	00 30 07.5 +1.2
BOZ	comp=Z,27nm,1.8s		pmx	pmx	00 30 07.5 +1.2
BOZ	Bozeman (W)	60.36 313	eP	P	00 30 06.4 +0.1
BOZ	comp=Z,27nm,1.8s		pmx	pmx	00 30 06.4 +0.1
NLU	North Lily Min	60.36 306	eP	P	00 30 07.4 +0.9
NLU	comp=Z,21nm,1.5s		LR	LR	
MSU	Marysville	60.41 305	eP	P	00 30 07.8 +0.9
MSU	comp=Z,31nm,2.0s		P	P	00 30 07.8 +0.9
MTRP	Mont Pierson	60.42 304	eP	P	00 30 08.5 +1.4
MORH	Mt r'igy, Hung	60.45 46	eP	P	00 30 06.6 -0.1
U15A	North Rim	60.51 302	eP	P	00 30 08.0 +0.3
U15A	comp=Z,11m,20.0s		eP	P	00 30 09.5 -1.7
OKC	Ostrava-Krasne	60.53 42	eS	S	00 38 28.7 +5.8
OKC	AMS		AMS	AMS	00 54 40.0
HRY	Holter Researc	60.60 314	eP	P	00 30 09.2 +1.3
PDG	Podgorica	60.62 51	eP	P	00 30 08.9 +1.0
TTG	Podgorica	60.62 51	eP	P	00 30 08.8 +0.8
TTG	comp=Z,74nm,1.5s		pmx	pmx	00 30 08.8 +0.8
TCRU	Three Creeks R	60.63 305	PFAKE	LR	00 30 20.0 +12
TCRU	comp=Z,24nm,1.5s		LR	LR	
SPUT	South Promonto	60.69 308	eP	P	00 30 08.8 +0.1
SPUT	comp=Z,71nm,1.5s		LR	LR	
VYHS	Vyhne	60.82 44	eP	P	00 30 08.7 -0.5
VYHS	comp=Z,19nm,1.6s		pmx	pmx	00 30 08.7 -0.5
BUD	Budapest	60.83 45	eP	P	00 30 08.7 -0.6
KNB	Kanab	60.92 303	eP	P	00 30 12.3 +2.0
KNB	comp=Z,9.1nm,0.7s		pmx	pmx	00 30 12.4 +2.0
DUG	Dugway, Tooele	60.93 307	eP	P	00 30 10.3 -0.1
DUG	comp=Z,46nm,1.6s		LR	LR	
DUG	Dugway, Tooele	60.93 307	eP	P	00 30 10.3 -0.1
DUG	comp=Z,31nm,2.0s		pmx	pmx	00 30 10.3 -0.1
HVU	Hansel Valley	60.95 308	eP	P	00 30 11.6 +1.2
HVU	comp=Z,19nm,1.4s		LR	LR	
HVU	Hansel Valley	60.95 308	eP	P	00 30 11.6 +1.2
HVU	comp=Z,21nm,2.0s		pmx	pmx	00 30 11.6 +1.2
LRM	Limekiln Ridge	60.95 313	eP	P	00 30 10.2 -0.2
DLMT	Dillon	61.02 313	eP	P	00 30 12.2 +1.4
TIR	Tirane	61.03 52	eP	P	00 30 11.4 +0.6
214A	Organ Pipe Nat	61.09 297	P	P	00 30 12.3 +0.9
BGU	Big Grassy Mou	61.12 307	eP	P	00 30 12.0 +0.5
BGU	comp=Z,69nm,1.6s		LR	LR	
Y14A	Wickenburg	61.15 300	eP	P	00 30 13.4 +1.5
Y14A	comp=Z,52nm,1.9s		LR	LR	
MCMT	McKenzie Canyo	61.16 312	eP	P	00 30 13.0 +1.1
DIVS	Divibare	61.24 49	eP	P	00 30 12.1 -0.2
LANS	Liptovska Anna	61.30 43	eP	P	00 30 13.1 +0.5
LANS	comp=Z,58nm,1.9s		P	P	00 30 13.1 +0.5
CCUT	Cedar City	61.35 304	eP	P	00 30 14.7 +1.4
PSZ	Piszkesteto	61.46 45	eP	P	00 30 13.3 -0.4
PSZ	comp=Z,42nm,1.6s		LR	LR	
PSZ	Piszkesteto	61.46 45	eP	P	00 30 13.3 -0.4
PSZ	comp=Z,69nm,1.9s		pmx	pmx	00 30 13.3 -0.4
OJC	Ojcow	61.64 42	eP	P	00 30 13.6 -1.1
OJC	comp=Z,56nm,1.5s		pmx	pmx	00 30 15.3 +0.5
OJC	Ojcow	61.64 42	eP	P	00 30 15.3 +0.5
OJC	comp=Z,56nm,1.5s		pmx	pmx	00 30 15.3 +0.5
PSUT	Pine Spruce	61.73 305	eP	P	00 30 17.5 +1.6
PSUT	comp=Z,54nm,2.0s				

PSUT	comp=Z,21nm,20.0s		LR	LR	
OHR	Ohrid	61.73 52	eP	P	00 30 17.0 +1.4
JAN	Janina	61.76 54	eP	P	00 30 15.7 -0.1
W13A	Hualapai Mount	61.83 301	eP	P	00 30 18.8 +2.2
W13A	comp=Z,25nm,1.5s		LR	LR	
113A	Mohawk Valley	61.85 298	eP	P	00 30 17.2 +0.8
113A	comp=Z,21nm,21.0s		P	P	00 30 16.7 +0.3
NIE	Niedzica	61.88 43	eP	P	00 30 16.7 +0.3
NIE	Niedzica	61.88 43	eP	P	00 30 16.7 +0.3
KECS	Kecovo	61.91 44	eP	P	00 30 15.4 -1.2
KECS	comp=Z,19nm,1.1s		pmx	pmx	00 30 16.1
KECS	Kecovo	61.91 44	eP	P	00 30 16.1 -0.5
NEST	Nestorio	61.91 53	eP	P	00 30 18.2 +1.3
PENT	Pentalofos	61.98 53	eP	P	00 30 18.7 +1.4
MISO	Missoula	62.05 314	P	P	00 30 30.0 +1.2
MISO	comp=Z,21nm,21.0s		P	P	00 30 18.2 +0.4
PLCA	Paso Flores	62.07 201	P	P	00 30 17.7 0.0
PLCA	comp=Z,2.2nm,0.8s,baz=46,slo=10,SNR=3.6		LR	LR	00 58 03.0
PLCA	comp=Z,858nm,21.6s,baz=44,slo=37		LR	LR	00 30 17.6 -0.4
KRUS	Krusevo	62.08 52	eP	P	00 30 18.8 +0.8
PDMCI	Parker Dam,Lak	62.08 300	eP	P	00 30 18.8 +0.8
BIA	Bitola	62.13 52	eP	P	00 30 19.5 +1.2
BANR	Banioc	62.13 48	eP	P	00 30 19.3 +1.2
FNA	Florina	62.16 53	eP	P	00 30 19.1 +0.7
FNA	comp=Z,79nm,1.6s		P	P	00 30 18.2 -0.3
FNA	Florina	62.16 53	eP	P	00 30 19.2 +0.7
FNA	comp=Z,79nm,1.6s		pmx	pmx	00 30 19.2 +0.7
HLID	Hailey	62.22 310	eP	P	00 30 19.0 0.0
HLID	comp=Z,14nm,1.4s		P	P	00 30 18.8 -0.2
HLID	Hailey	62.22 310	eP	P	00 30 18.8 -0.2
SKO	Skopje	62.23 51	eP	P	00 30 19.7 +0.8
PVO	Parevala	62.29 55	eP	P	00 30 19.1 -0.2
JTMT	Jette	62.35 315	eP	P	00 30 20.9 +1.1
JTMT	comp=Z,37nm,1.8s		LR	LR	
Y12C	Blythe	62.43 299	PFAKE	LR	00 30 30.0 +10
Y12C	comp=Z,21nm,20.0s		LR	LR	
Y12C	Blythe	62.43 299	P	P	00 30 20.5 +0.2
DRO	Drossia	62.44 56	eP	P	00 30 20.3 -0.1
BEL	Belsk	62.45 40	eP	P	00 30 20.8 +0.7
BEL	Belsk	62.45 40	eP	P	00 30 20.8 +0.7
NEE2	Needles Airpor	62.45 301	P	P	00 30 20.5 0.0
KZN	Kozani	62.46 53	eP	P	00 30 21.2 +0.6
BZS	Buzias	62.48 47	eP	P	00 30 20.0 -0.5
EVR	Evrystania	62.50 55	eP	P	00 30 20.5 -0.4
ITM	Ithomi	62.63 57	eP	P	00 30 22.5 +0.8
LAKA	Lakka	62.65 56	eP	P	00 30 22.7 +0.9
LAKA	comp=Z,156nm,1.9s		P	P	00 30 22.7 +0.9
LAKA	Lakka	62.65 56	eP	P	00 30 21.2 -0.5
THL	Thlokos Trika	62.66 54	eP	P	00 30 22.6 +0.4
SERG	Sergoula	62.71 55	eP	P	00 30 22.6 +0.4
TRIZ	Trizonia	62.72 52	eP	P	00 30 23.2 +1.0
GLA	Glamis	62.72 299	eP	P	00 30 23.4 +1.0
GLA	comp=Z,38nm,1.6s		pmx	pmx	00 30 23.4 +1.0
GLA	Glamis	62.72 299	eP	P	00 30 23.1 +0.8
GLA	comp=Z,38nm,1.6s		pmx	pmx	00 30 23.1 +0.8
LTVH	L'tav'rites,	62.77 45	eP	P	00 30 22.7 +0.3
STIP	Stip	62.78 52	eP	P	00 30 23.2 +0.7
KLV	Kalavryta, Ach	62.79 56	eP	P	00 30 23.8 +1.0
KLV	Kalavryta, Ach	62.79 56	eP	P	00 30 23.8 +1.0
SHPR	Sheep Range	62.82 302	eP	P	00 30 25.4 +2.4
SHPR	comp=Z,19nm,1.7s		LR	LR	
RES	Resolute Bay	62.86 347	LR	LR	00 54 02.1
RES	comp=Z,11m,20.0s		LR	LR	
AGG	Agios Georgios	62.91 55	eP	P	00 30 24.7 +1.2
AGG	comp=Z,56nm,1.5s		P	P	00 30 17.6 -5.9
AGG	Agios Georgios	62.91 55	eP	P	00 30 24.7 +1.2
AGG	comp=Z,56nm,1.5s		pmx	pmx	00 30 24.7 +1.2
IRM	Iron Mountain	62.92 300	P	P	00 30 24.5 +0.8
IRM	comp=Z,86nm,9.4s		P	P	00 30 23.3 -0.4
GRG	Griva	62.94 53	eP	P	00 30 24.2 +0.4
GUR	Goura	62.94 56	eP	P	00 30 24.2 +0.4
GUR	Goura	62.94 56	eP	P	00 30 24.2 +0.4
VLX	Vlachokerasia	62.99 57	eP	P	00 30 25.4 +1.2
VLX	Vlachokerasia	62.99 57	eP	P	00 30 25.4 +1.2
HERR	Herculane	63.01 48	eP	P	00 30 24.1 +0.1
LIT	Litokhoron	63.02 53	eP	P	00 30 24.7 +0.5
LIT	comp=Z,86nm,1.8s		P	P	00 30 23.6 -0.6
LIT	Litokhoron	63.02 53	eP	P	00 30 24.7 +0.5
LIT	comp=Z,86nm,1.8s		pmx	pmx	00 30 24.7 +0.5
VAY	Valandovo	63.07 52	eP	P	00 30 25.0 +0.5
VAY	Valandovo	63.07 52	eP	P	00 30 25.0 +0.7
R11A	Troy Canyon, C	63.09 305	eP	P	00 30 25.2 +0.3
R11A	comp=Z,27nm,1.6s		LR	LR	
R11A	Troy Canyon, C	63.09 305	eP	P	00 30 25.5 +0.6
R11A	comp=Z,21nm,19.0s		P	P	01 39 55.8
H09N1	TRISTAN DA CUN	63.12 150	T	T	01 39 55.8
H09N1	SNR=28		eP	P	00 30 23.9 -0.7
UZH	Uzhgorod	63.12 44	eP	P	00 30 21.1 +0.2
H09W1	TRISTAN DA CUN	63.13 150	T	T	01 39 16.2
H09W1	SNR=42		P	P	00 30 26.1 +0.9
AXAR	Agios Charalam	63.17 55	eP	P	00 30 26.1 +0.9
AXAR	Agios Charalam	63.17 55	eP	P	00 30 26.1 +0.9
BC3	Big Chukawall	63.20 299	eP	P	00 30 26.2 +0.5
TRPA	Tarpa	63.25 44	eP	P	00 30 25.4 -0.1
TRPA	Tarpa	63.25 44	eP	P	00 30 25.4 -0.1
DRGR	Granite Mount	63.29 46	eP	P	00 30 26.3 +0.3
GMRC	Granite Mount	63.30 301	P	P	00 30 27.2 +0.9
GMRC	comp=Z,87nm,7.9s		P	P	00 30 25.1 -1.0
KNT	Kendrikon	63.32 52	eP	P	00 30 26.4 -0.2
PROD	Prodromos	63.37 56	eP	P	00 30 27.4 -0.6
LKR	Lokris	63.44 55	eP	P	00 30 26.4 -0.6
LKR	Lokris	63.44 55	eP	P	00 30 26.4 -0.6
KWP	Kalwaria Pacla	63.46 43	eP	P	00 30 27.1 +0.3
KWP	Kalwaria Pacla	63.46 43	eP	P	00 30 40.0 +1.3
KWP	Kalwaria Pacla	63.46 43			

50d 0h

G08A	comp=Z,1um,20.0s	LR	LR				
APE	Apeiranthos	65.52	57	iP	P	00 30 40.0	-0.7
ISA	Isabella, Lake	65.54	302	eP	P	00 30 42.1	+1.2
ISA	comp=Z,2um,22.0s	LR	LR				
ISA	Isabella, Lake	65.54	302	eP	P	00 30 42.1	+1.2
ISA	comp=Z,45nm,1.6s						
ISA	Isabella, Lake	65.54	302	P	Pmax	00 30 41.0	+0.1
SGRR	Singureni	65.55	49	iP	P	00 30 40.7	0.0
E08A	Dider Farm, El	65.57	314	PFAKE	LR	00 30 50.0	+9.3
E08A							
LAST	Lasithi	65.62	59	P	P	00 30 40.8	-0.6
LAST	Lasithi	65.62	59	P	P	00 30 40.8	-0.6
SIGR	SIGRI	65.64	54	P	P	00 30 41.0	-0.3
SIGR	SIGRI	65.64	54	P	P	00 30 41.0	-0.3
ALN	Alexandroupoli	65.70	53	eP	P	00 30 42.4	+0.7
ALN	comp=Z,25nm,1.2s						
ALN	Alexandroupoli	65.70	53	P	P	00 30 40.9	-0.8
ALN	Alexandroupoli	65.70	53	eP	Pmax	00 30 42.4	+0.7
PRAR	RASCA	65.71	45	iP	P	00 30 42.0	+0.3
B08A	Colville Reser	65.76	316	PFAKE	LR	00 30 50.0	+7.9
B08A							
OMMB	Old Mammoth Mi	65.82	304	PFAKE	LR	00 31 00.0	+17
OMMB							
OSI	Osito Audit: C	65.83	301	PFAKE	LR	00 31 00.0	+17
OSI							
CHOS	Chios island	65.85	55	P	P	00 30 43.6	+0.8
CHOS	Chios island	65.85	55	P	P	00 30 43.6	+0.8
ARVC	Arvin	65.88	301	P	P	00 30 43.6	+0.6
HAWA	Hanford	65.89	314	eP	P	00 30 44.2	+1.3
HAWA	comp=Z,26nm,1.4s						
HAWA	Ize	65.91	311	PFAKE	LR	00 31 00.0	+17
I07A							
ISR	Istrita	65.94	48	iP	P	00 30 43.4	+0.1
ISAL	Salakas	65.96	36	eP	Iamb	00 30 42.7	-0.2
ISAL							
PRK	Paraskevi	65.96	54	P	P	00 30 42.7	-0.7
PRK	Paraskevi	65.96	54	P	P	00 30 42.7	-0.7
IGN	Ignalina	66.00	37	eP	Iamb	00 30 43.1	-0.3
IGN							
PLOR	Plostina	66.01	47	iP	P	00 30 44.2	+0.5
IZAR	Zarasai	66.04	36	eP	Iamb	00 30 43.5	-0.1
IZAR							
VRI	Vrincioia	66.06	47	iP	P	00 30 44.5	+0.5
WAKR	Walker	66.11	305	eP	P	00 30 45.8	+1.2
WAKR	comp=Z,38nm,1.7s						
E07A	Sunnyside	66.11	314	PFAKE	LR	00 31 00.0	+16
E07A							
F07A	Phinny Hill Vi	66.17	313	PFAKE	LR	00 31 00.0	+15
F07A							
PNTR	Pine Nut	66.20	306	PFAKE	LR	00 31 00.0	+15
PNTR							
VCNR	Virginia City	66.22	306	PFAKE	LR	00 31 00.0	+15
VCNR							
IDID	Didziasalis	66.29	37	eP	Iamb	00 30 45.0	-0.2
IDID							
FINES	FINES Array B	66.49	30	P	P	00 30 45.1	-1.2
FINES	comp=Z,9.2nm,0.8s,baz=267,slow=3.8,SNR=15						
VSU	Vasula	66.52	330	eP	Pmax	00 30 45.0	-1.6
VSU							
MOD	Modoc Plateau	66.57	309	eP	P	00 30 49.4	+1.8
MOD	comp=Z,58nm,1.0s						
MOD	comp=Z,26nm,1.5s						
RUBR	Rubicon Trail	66.63	306	PFAKE	LR	00 31 00.0	+12
RUBR							
SNCC	San Nicolas Is	66.63	299	P	P	00 30 48.8	+0.9
SNCC	comp=Z,2um,20.0s						
SBC	Santa Barbara	66.66	300	P	P	00 30 48.6	+0.6
SBC	comp=Z,2um,20.0s						
G06A	Carlson Farm,	66.68	312	eP	P	00 30 50.7	+2.7
G06A	comp=Z,35nm,1.7s						
PKM	McPherson Peak	66.70	301	P	P	00 30 49.1	+0.6
PKM	comp=Z,2um,20.0s						
BEKR	Beckworth	66.73	306	PFAKE	LR	00 31 00.0	+11
BEKR							
CMB	Columbia Colle	66.89	304	eP	P	00 30 51.7	+2.2
CMB	comp=Z,2um,21.0s						
CMB	Columbia Colle	66.89	304	eP	P	00 30 51.7	+2.2
CMB	comp=Z,18nm,1.4s						
CMB	Columbia Colle	66.89	304	eP	Pmax	00 30 51.7	+2.2
CMB	comp=Z,17nm,1.3s						
MICGM	Minsk	66.91	38	eP	LR	00 30 50.0	+0.8
MICGM							
MNK	Minsk	66.91	38	eP	LR	00 30 50.0	+0.8
MNK							
K05A	Summer Lake	66.97	310	eP	P	00 30 52.1	+2.0
K05A	comp=Z,125nm,1.6s						
TLB	Topalu	67.02	48	iP	P	00 30 49.3	-0.8
CFR	Carcaliu	67.07	48	iP	P	00 30 50.9	+0.5
SORR	Soroca	67.14	45	iP	P	00 30 49.7	+1.1
J05D	Fort Rock, OR	67.19	310	P	P	00 30 52.3	+0.9
J05D	comp=Z,2um,20.0s						
B06A	Marblemount	67.20	316	PFAKE	LR	00 31 00.0	+8.9
B06A							
I05D	Terrebonne, OR	67.22	311	P	P	00 30 52.7	+1.3
I05D	comp=Z,2um,20.0s						
F05D	White Salmon	67.24	313	P	P	00 30 52.6	+1.1
F05D	comp=Z,2um,20.0s						
AFDM	Forest Hills D	67.27	305	PFAKE	LR	00 31 00.0	+8.1
AFDM							
TIRR	Tirgusor	67.29	49	eP	P	00 30 51.0	-0.8
TIRR	comp=Z,2um,20.0s						
TIRR	Tirgusor	67.29	49	iP	P	00 30 52.5	+0.7
TIRR	comp=Z,22nm,1.2s						
TIRR	Tirgusor	67.29	49	eP	P	00 30 51.0	-0.8
TIRR							
PMPB	Monarch Peak	67.38	303	eP	P	00 30 54.0	+1.3
PMPB	comp=Z,23nm,1.2s						
PMPB	Monarch Peak	67.38	303	eP	P	00 30 54.0	+1.3
PMPB	comp=Z,22nm,1.1s						
LLLb	Lilloet	67.44	318	eP	P	00 30 53.4	+0.7
LLLb	comp=Z,2um,22.0s						
LLLb	Lilloet	67.44	318	eP	P	00 30 53.4	+0.7
LLLb	comp=Z,40nm,1.4s						
LON	Longmire	67.46	314	PFAKE	LR	00 31 10.0	+17
LON							
ARCES	ARCES Array B	67.48	21	P	P	00 30 51.0	-1.5
ARCES	comp=Z,2um,20.0s						
ARCES	ARCES Array B	67.48	21	eP	LR	00 54 37.9	
ARCES	comp=Z,13nm,0.9s,baz=274,slow=4.9,SNR=16						
ARCES	ARCES Array B	67.48	21	eP	P	00 30 52.5	0.0
ARCES	comp=Z,43nm,21.2s,baz=274,slow=5.1						
KIS	Kishinev	67.48	46	eP	P	00 30 52.0	-1.0
KIS							
KIS	Kishinev	67.48	46	eP	P	00 31 06.0	+13
KIS	comp=Z,2um,20.0s						
KIS	Kishinev	67.48	46	eP	P	00 30 52.0	-1.0
KIS							
KIS	Kishinev	67.48	46	eP	P	00 31 22.0	
KIS							
D05A	Eunucław	67.57	314	PFAKE	LR	00 31 10.0	+16
D05A							
K04D	Chiloquin, OR	67.61	309	P	P	00 30 55.0	+0.9
K04D	comp=Z,2um,20.0s						

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ORV	Oroville	67.63	306	eP	P	00 30 54.9	+0.8
ORV	comp=Z,27nm,1.5s						
ORV	Oroville	67.63	306	eP	LR	00 30 54.9	+0.8
ORV	comp=Z,2um,20.0s						
AK11	Malin Array Si	67.64	42	eP	P	00 30 53.9	-0.1
KIEV	Kiev	67.67	42	eP	P	00 30 53.2	-0.8
KIEV	comp=Z,18nm,1.2s						
KIEV	Kiev	67.67	42	iP	P	00 30 53.6	-0.5
KIEV	comp=Z,6.0nm,0.9s						
ARG	Arkhangelos	67.67	57	P	P	00 30 52.4	-2.0
ARG	Arkhangelos	67.67	57	P	P	00 30 52.4	-2.0
ARG	Arkhangelos	67.67	57	P	P	00 30 52.4	-2.0
AKASG	Malin Array Be	67.68	42	P	P	00 30 52.8	-1.3
AKASG	comp=Z,7.3nm,0.8s,baz=271,slow=6.0,SNR=16						
AKASG	Malin Array Be	67.68	42	iP	P	00 30 53.2	-0.9
AKASG	comp=Z,601nm,20.3s,baz=270,slow=33						
AKASG	Malin Array Be	67.68	42	iP	Pmax	00 30 53.2	-0.9
AKASG	comp=Z,7.0nm,0.8s						
AKKB	Malin Array Si	67.68	42	eP	P	00 30 53.9	-0.2
AKKB	comp=Z,17nm,1.1s						
AKKB	Malin Array Si	67.68	42	eP	P	00 30 53.9	-0.2
AKKB	comp=Z,17nm,1.1s						
M04C	Macdoel	67.73	309	P	P	00 30 55.7	+0.9
M04C	comp=Z,2um,20.0s						
SAO	San Andreas Ge	67.84	303	PFAKE	LR	00 31 10.0	+15
SAO							
I04A	Tendick Farm,	68.02	311	P	P	00 30 57.0	+0.5
I04A	comp=Z,2um,21.0s						
L04D	Klamath Falls	68.04	309	P	P	00 30 57.7	+0.9
L04D	comp=Z,7.0nm,0.8s						
H04D	Lebanon	68.21	312	P	P	00 30 58.7	+1.1
H04D	comp=Z,2um,20.0s						
D03D	Eldon	68.30	315	P	P	00 30 58.8	+0.7
D03D	comp=Z,2um,20.0s						
WDC	Whiskeytown Da	68.34	307	PFAKE	LR	00 31 10.0	+11
WDC							
YBH	Yreka Blue Hor	68.38	309	LR	LR	00 58 43.6	

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, ISC. Includes stations like Ar Rayn, Arta Tunnel, Damar, Dhamar, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, ISC. Includes stations like California, La Paz, La Paz, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Time, Res, ISC. Includes stations like PTGA Pitinga, SDV Santo Domingo, ROSC El Rosal, etc.

SJA 05 02:25:21.3:0.7, 32.71S:72.69W, h20km, 6km, ML3.7, MW4.1
GUC 05 02:25:25.9:0.7, 32.26S:72.27W, h52km, 26km, ML3.5
ISC 05 02:25:23.2:2.2, 32.19S:72.33W, 0.10, h14km, 12km, n18, c138/23, 3C, Off coast of central Chile

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Time, Res, ISC. Includes stations like GO05 Hualae0, ARCO CERRO ARCO, ASAL Salagasta, etc.

CNRM 05 02:29:23.6:36.42N:8.61W, h0km
MDD 05 02:29:31.7:1.1, 37.03N:9.41W, h38km, 9km, mBLg2.1/18, Error ellipse: s-maj=10.4km, s-min=7.2km, az=25.0, PFXIMO

SFS 05 02:29:32.0:37.16N:9.25W, h52km, ML3.6, ATLANTICO PORTUGAL
INMG 05 02:29:32.3:1.1, 37.01N:9.39W, h30km, 4km, ML1.8, Error ellipse: s-maj=3.5km, s-min=2.9km, az=43.0
IGIL 05 02:29:32.0:37.03N:9.40W, h27km, ML1.8
ISC 05 02:29:31.4:3.9, 37.07N:0.08, 9.34W:0.08, h38km, 3km, n64, c098/111, 4C-2D, Portugal

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Time, Res, ISC. Includes stations like PVFI Vila Bisbo, PVFI Vila Bisbo, MORF Marleite, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Time, Res, ISC. Includes stations like MTE Manteigas, PVIS Viseu, PVIS Viseu, etc.

NNC 05 02:33:14.7:13.0, 36.74N:71.17E, h0km, mb3.6, mpv3.2, 3C-3D, Error ellipse: s-maj=108.5km, s-min=93.2km, az=144.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Time, Res, ISC. Includes stations like SFK Sufi-Kurgan, MNAS Manas, MNAS Manas, etc.

DJA 05 02:48:59.0:3.8, 5.3:11.8E, h10km, M3.6/8, MLv3.6/8, Sumbawa region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Time, Res, ISC. Includes stations like PLAI Plampang, TWSI Taliwang, WBSI Waikabubak, etc.

NEIC 05 02:50:00.9:0.4, 18.46N:146.68E, h35km, mb4.1/3, Error ellipse: s-maj=16.5km, s-min=7.4km, az=82.0
ISCJB 05 02:50:02.0:3.0, 8.18, 50N:0.08, 146.6E:0.2, h64km, mb4.2/14, Error ellipse: s-maj=30.0km, s-min=11.7km, az=175.1

IDC 05 02:50:03.4:7.7, 18.46N:146.60E, h56km, 70km, mb3.9/12, mb1.3/9.13, mb1mx3.7/57, mbtmp.4/113, ML3.7/1, MS2.8/2, Ms1 2.8/2, ms1mx2.5/35, Error ellipse: s-maj=40.3km, s-min=16.3km, az=86.0

ISC 05 02:50:04.1:0.9, 18.5N:0.1, 146.6E:0.2, h64km, n26, c044/21, mb4.2/14, Mariana Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Time, Res, ISC. Includes stations like GUMO Guam, H1S3 WAKE ISLAND, H1S1 WAKE ISLAND, etc.

ISCJB 05 02:51:06.6:0.4, 37.16N:0.03, 28.29E:0.03, h11km, 4km, Error ellipse: s-maj=5.1km, s-min=4.2km, az=28.7
DDA 05 02:51:06.6:37.16N:28.28E, h7km, ML2.2
ISK 05 02:51:06.6:37.15N:28.28E, h14km, ML2.2/2
ISC 05 02:51:06.6:0.9, 37.16N:0.03, 28.29E:0.03, h14km, 6km, n16, c091/27, Turkey

5d 4h

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like YER Yerkesik, TURN Turunc, MLSE Milas, DALY Dalyan, etc.

IDC 05 03:13:30.01.9.3.07S:130.20E,h0km,mb3.6/2, mb1 3.9/4, mb1mx3.5/36, mbtmp3.6/4, ML3.4/2, Error ellipse: s-maj=53.9km s-min=16.7km az=103.0, Seram

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SIJI Sorong, WRA Warrungga, ASAR Alice Springs, MJAR Matsushiro, etc.

JMA 05 03:19:52.9.0.3, 32.18N:138.02E, h393km, M3.5, Southeast of Honshu

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like JHCJ Hachijojimakas, JKN2 Miekikohu, JOD2 Odawara, etc.

ISCJB 05 03:25:01.0.5.51.36N:0.06:178.15W:0.04, h10km, mb3.9/13, MS3.2/7, Error ellipse: s-maj=9.0km s-min=3.5km az=174.4

NEIC 05 03:25:06.0.0.51.50N:178.17W, h8km, mb4.2/6, ML4.0(AEIC), After AEIC.

IDC 05 03:25:10.3.4.3.51.36N:177.93W, h32km,29km, mb3.5/7, mb1 3.9/9, mb1mx3.6/42, mbtmp3.9/9, ML4.1/2, MS3.2/10, Ms1 3.2/10, ms1mx2.9/54, Error ellipse: s-maj=29.8km s-min=21.4km az=170.0

ISC 05 03:25:06.4.0.7.51.45N:0.09:178.17W:0.03, h10km, n52, 0.974/43, mb4.1/12, MS3.3/7, Andeanoff Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TASE Tanaga Southea, TAPA Tanaga Point A, TAFP Tanaga Falls P, etc.

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Table with columns: PDAR Pinedale Array, SONM Songoing Array, MNTX Cornus Mount, ARCES ARCES Array B, TXAR Lajitas Array, MIAR Mount Ida, NOA NORPAR Array B, BATI Baumata, ASAR Alice Springs, MAW Maxwell, BOSB Boshof, etc.

MOS 05 03:28:48.3.1.8.49.94N:157.03E, h20km, mb4.2/1, Error ellipse: s-maj=49.4km s-min=10.6km az=84.7, KRSC 05 03:28:48.4.1.6.49.94N:157.03E, h20km, 32km, ML3.9, East of Kuril Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SKR Severo-Kuril's, PAU Pauzhetka, KDR Khotutka, KAMC Kamchatka, etc.

ISCJB 05 03:30:44.5.0.4.24.11N:0.03:122.91E:0.02, h27km,4km, Error ellipse: s-maj=4.5km s-min=2.9km az=2.6, JMA 05 03:30:44.3.0.1.24.10N:122.90E, h22km,2km, M3.2, TAP 05 03:30:44.3.24.14N:122.93E, h27km, ML3.1, C, ISC 05 03:30:44.3.1.0.24.11N:0.04:122.91E:0.02, h26km,10km, n47, 0.827/29, 2.2, Taiwan region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like JYNG Yonagunijimaku, JYNG Yonaguni jima, YOJ Yonaguni jima, etc.

ATH 05 04:12:49.2.37.00N:24.67E, h15km,7km, ML1.4/2, Error ellipse: s-maj=7.3km s-min=1.3km az=217.0, Southern Greece

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ENAH Nanao, TWC Suao, TWC Suao, NANS Nanao, ENA Nanao, ENA Nanao, etc.

ISCJB 05 04:55:51.1.0.3.11.89N:0.04:86.68W:0.03, h11km,2km, mb4.2/53, Error ellipse: s-maj=6.4km s-min=4.0km az=27.8

IDC 05 04:55:52.0.1.1.12.04N:86.48W, h101km,12km, mb3.7/13, mb1 3.9/16, mb1mx3.7/37, mbtmp4.0/16, MS3.0/2, Ms1 3.0/2, ms1mx2.4/27, Error ellipse: s-maj=27.6km s-min=9.3km az=53.0

UCR 05 04:55:52.8.1.6.11.92N:86.72W, h91km,10km, ML3.5, mb4.3(NEIC)

NEIC 05 04:55:52.0.0.5.11.85N:86.68W, h106km,4km, mb4.3/48, Error ellipse: s-maj=7.1km s-min=5.0km az=45.0

ISC 05 04:55:51.7.0.7.11.38N:0.05:86.72W:0.05, h103km,6km, n279, 0.894/290, mb4.3/53, Near coast of Nicaragua

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like XAVN Gtra Xavier, MGAN Managua, MOMN Momotombo, etc.

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Table with columns: YM08 YM08, YM05 YM05, YM05 YM05, YULB Yu-Ib, YULB Yu-Ib, TWF1 Yuli, TWF1 Yuli, JTJ Tarama, JTJ Tarama, FULB Fuli, FULB Fuli, FULB Fuli, LIOB Emei, LIOB Emei, NSTT Nanjiang, NSTT Nanjiang, SSLB Suanglung, SSLB Suanglung, TYC Yuchang, TYC Yuchang, ALS Alishan, ALS Alishan, CHNS Tsuling, CHNS Tsuling, CHNS Tsuling, TPUB Tpu, TPUB Tpu, TPUB Tpu, TWK Hsiyung, TWK Hsiyung, TWK Hsiyung

IDC 05 03:45:56.0.2.5.49AS:145.29E, h103km,25km, mb3.4/4, mb1 3.7/7, mb1mx3.8/38, mbtmp3.9/7, MS2.9/3, Ms1 2.9/3, ms1mx2.6/24, Error ellipse: s-maj=26.1km s-min=18.6km az=61.0, Near north coast of New Guinea

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PMG Port Moresby, PMG Port Moresby, PMG Port Moresby, JAY Jayapura, WRA Warrungga, ASAR Alice Springs, DAV Davao City (W), FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, MKAR Makanchi Array, MKAR Makanchi Array, ILAR Eielson Array, ILAR Eielson Array

ATH 05 04:12:49.2.37.00N:24.67E, h15km,7km, ML1.4/2, Error ellipse: s-maj=7.3km s-min=1.3km az=217.0, Southern Greece

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SERI Serifos, SERI Serifos, SERI Serifos, MHLA Plaka, MHLA Plaka, MHLA Plaka, MHLO Agia Marina, MHLO Agia Marina, MHLO Agia Marina, IOSP los island, IOSP los island, IOSP los island, TWS Tinos, APE Apeiranthos, APE Apeiranthos, APE Apeiranthos, TWR3 Thra Island, TWR3 Thra Island, STAX Taxischari Har, STAX Taxischari Har, KARY Karystos, KARY Karystos, ATHU Athens Unvers, ATHU Athens Unvers, DION Dionisios Attik, DION Dionisios Attik

ISCJB 05 04:55:51.1.0.3.11.89N:0.04:86.68W:0.03, h11km,2km, mb4.2/53, Error ellipse: s-maj=6.4km s-min=4.0km az=27.8

IDC 05 04:55:52.0.1.1.12.04N:86.48W, h101km,12km, mb3.7/13, mb1 3.9/16, mb1mx3.7/37, mbtmp4.0/16, MS3.0/2, Ms1 3.0/2, ms1mx2.4/27, Error ellipse: s-maj=27.6km s-min=9.3km az=53.0

UCR 05 04:55:52.8.1.6.11.92N:86.72W, h91km,10km, ML3.5, mb4.3(NEIC)

NEIC 05 04:55:52.0.0.5.11.85N:86.68W, h106km,4km, mb4.3/48, Error ellipse: s-maj=7.1km s-min=5.0km az=45.0

ISC 05 04:55:51.7.0.7.11.38N:0.05:86.72W:0.05, h103km,6km, n279, 0.894/290, mb4.3/53, Near coast of Nicaragua

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like XAVN Gtra Xavier, MGAN Managua, MOMN Momotombo, MASN Masaya, BOAB BOAC BROADBAN, BOAB BOAC BROADBAN, ESTN Estel, ESTN Estel, MATN Matagalpa, MATN Matagalpa, MATN Cosiguina Volc, MATN Cosiguina Volc, CSGN Cosiguina Volc, CSGN Cosiguina Volc, LCND La Ca'ada, LCND La Ca'ada, VSM San Miguel, VSM San Miguel, LCY Lacayo, LCY Lacayo, JTS JuntasAbangare, JTS JuntasAbangare

JTS	comp=Z,30nm,0.3s,baz=343,slow=2.5,SNR=102	S	Sn	04 56 56.9 -0.4
JTS	comp=Z,64nm,0.3s,baz=342,slow=18,SNR=15	S	LR	04 57 32.0
JTS	comp=Z,24nm,21.0s,baz=18,slow=4	LR		
JTS	JuntasAbangare	2.34 132	ePn	04 56 29.2 +0.4
JTS			Sn	04 56 51.7 -5.6
TECA	Tecapa	2.37 313	eP	04 56 30.8 +1.4
ESPN	Las Esperanzas	2.38 82	eP	04 56 30.2 +0.8
ESPN			IAML	04 57 23.2
PAVA	Las Pavas	2.83 310	eP	04 56 36.4 +0.9
PAVA			eS	04 57 10.0 +0.9
LFRS	El Faro	2.87 307	eP	04 56 36.9 +0.9
LFRS	Las Brisas	4.73 311	P	04 56 38.9 +1.6
UEES	San Salvador	3.08 307	eP	04 56 38.9 +1.0
UEES			eS	04 57 14.5 -0.3
UEES			IAML	04 57 21.5
BOCS	comp=Z,291nm,0.2s			
Bougeron		3.11 307	eP	04 56 40.8 +1.6
Heredia		3.16 126	ePn	04 56 40.6 +0.8
CEVE	Cerro Verde	3.44 305	eP	04 56 45.0 +1.4
CEVE			eS	04 57 24.9 +1.2
SBLs	San Blas	3.44 305	eP	04 56 45.0 +1.4
IXG	Ixcaco	4.30 302	eP	04 56 56.0 +0.8
APG	El Apote	4.73 311	P	04 57 03.5 +1.6
CMIG	comp=Z,1.2nm,0.3s,baz=340,slow=16,SNR=9.3			
Matias Romero		9.46 304	P	04 58 05.8 +0.8
CMIG	comp=Z,1.1nm,0.3s,baz=153,slow=10,SNR=5.1			
Yotoco		04 59 44.1	-5.5	
TLIG	comp=Z,0.1nm,0.3s,baz=278,slow=23,SNR=3.0			
Yotoco, Valle		12.78 298	ePn	04 58 51.4 +1.6
Yotoco, Valle		12.92 127	eP	04 58 59.0 +0.6
GUVC	Guyana, Colomb	13.00 120	eP	04 59 02.0 +2.4
RREF	El Recreo	13.21 121	eP	04 59 04.4 +2.3
POPC	Popayan, Colomb	13.60 132	eP	04 59 06.1 0.0
SOTA	Rioblanco	13.93 133	eP	04 59 10.3 +0.3
CRUC	La Cruz	14.10 136	eP	04 59 13.7 +2.0
RUSC	La Rusia	14.72 113	eP	04 59 17.6 -1.1
CHIC	Chingaza	14.72 118	eP	04 59 20.0 +1.3
SDV	Santo Domingo	16.09 99	P	04 59 32.5 +0.1
SDV	comp=Z,0.4nm,0.3s,baz=264,slow=4.6,SNR=6.8			
Santo Domingo		16.09 99	ePn	04 59 32.8 +0.5
757A	Oxford	17.52 14	Pn	04 59 50.4 +0.9
LNIG	Linares	17.70 319	eP	04 59 52.8 +1.0
556A	Lake Butler	18.48 12	P	05 00 01.0 +0.1
555A	McAlpin	18.49 10	P	05 00 01.2 +0.1
557A	Orange Park	18.64 14	P	05 00 03.0 +0.2
451A	Vernon	18.67 3	P	05 00 03.7 +0.5
450A	Crestview	18.84 0	P	05 00 05.4 +0.2
447A	Lucedale	18.91 355	P	05 00 06.5 +0.3
452A	Marianna	18.93 4	P	05 00 06.0 -0.4
446A	Poplarville	18.98 353	P	05 00 06.7 -0.2
453A	Whigham	19.02 6	P	05 00 07.6 +0.3
455A	Stateville	19.08 10	P	05 00 07.7 -0.4
444A	Pine Grove	19.12 349	P	05 00 08.4 -0.1
BRAL	Brewton	19.20 359	P	05 00 09.1 -0.4
456A	Hilliard	19.25 12	P	05 00 09.6 -0.5
351A	Pinckard	19.33 3	P	05 00 10.4 -0.7
349A	Repton	19.39 359	P	05 00 11.2 -0.4
350A	Dozier	19.45 1	P	05 00 11.8 -0.6
347A	Saraland	19.50 355	P	05 00 12.5 -0.6
353A	Camilla	19.52 6	P	05 00 12.2 -0.9
352A	Blakely	19.58 5	P	05 00 13.2 -0.7
TIGA	Tifton	19.68 8	eP	05 00 14.4 -0.7
TIGA	comp=Z,33nm,0.6s			
356A	Blackhear	19.81 12	P	05 00 15.1 +1.0
343A	Vidalia	19.84 348	P	05 00 15.7 +1.3
249A	Camden	20.01 359	P	05 00 17.7 -1.2
252A	Lumpkin	20.11 5	P	05 00 18.5 +1.2
248A	Dixon Mills	20.14 357	P	05 00 19.0 +1.3
247A	Quitman	20.16 355	P	05 00 18.5 +0.7
251A	Midway	20.16 3	P	05 00 19.0 +1.1
254A	Abbeville	20.22 8	P	05 00 19.5 +1.0
253A	Americus	20.23 6	P	05 00 19.6 +0.9
341A	Kurthwood	20.26 344	eP	05 00 20.9 -0.9
341A	Kurthwood	20.26 344	P	05 00 20.0 +1.0
245A	Little AP, Sta	20.27 352	P	05 00 20.2 +1.1
255A	Hazlehurst	20.33 10	P	05 00 20.3 +0.5
244A	Avery, Jackson	20.40 350	P	05 00 21.4 +0.9
256A	Glennville	20.50 12	P	05 00 21.6 +0.1
151A	Opelika	20.59 3	P	05 00 23.4 +0.9
ATAH	Atahualpa	20.62 156	P	05 00 24.7 +1.3
149A	Jones	20.63 360	P	05 00 23.7 +0.8
150A	Eclectic	20.64 2	P	05 00 24.3 +1.2
148A	Greensboro	20.69 358	P	05 00 24.4 +0.8
152A	Waverly Hall	20.78 5	eP	05 00 25.9 +1.4
152A	Waverly Hall	20.78 5	P	05 00 25.5 +0.9
154A	Montrose	20.91 9	P	05 00 27.0 +1.1
155A	Kite	21.02 10	P	05 00 27.5 +0.4
LRAL	Lakeview Retre	21.06 359	eP	05 00 28.0 +0.4
LRAL	Lakeview Retre	21.06 359	P	05 00 28.4 +0.8
142A	Monroe	21.13 348	P	05 00 29.4 +1.1
249A	Columbiana	21.22 0	P	05 00 30.0 +0.8
156A	Sylvania	21.23 12	P	05 00 30.1 +0.7
247A	Carrollton	21.26 357	P	05 00 30.3 +0.6
250A	Ashland	21.29 2	eP	05 00 31.1 +1.1
250A	Ashland	21.29 2	P	05 00 30.9 +0.8
246A	Louisville	21.32 355	P	05 00 31.4 +1.1
252A	Williamson	21.32 5	P	05 00 31.3 +1.0
251A	Franklin	21.39 4	P	05 00 32.3 +1.2
248A	Northport	21.41 358	P	05 00 31.7 +0.3
253A	Monticello	21.50 7	P	05 00 33.2 +0.9
254A	Sparta	21.56 9	P	05 00 33.7 +0.8
245A	Winona	21.57 353	P	05 00 33.3 +0.3

GOGA	Godfrey	21.64	7	eP	P	05 00 34.3 +0.5
GOGA	Godfrey	21.64	7	P	P	05 00 34.2 +0.4
Y49A	Blount Mountain	21.88	1	P	P	05 00 37.0 +0.6
Y49A	Blount Mountain	21.88	1	P	P	05 00 36.6 +0.3
Y50A	Piedmont	21.93	2	P	P	05 00 37.2 +0.3
Y47A	Jasper	21.94	359	P	P	05 00 37.3 +0.4
Y48A	Ucharo, Winifre	21.95	357	P	P	05 00 37.4 +0.3
NHSC	New Hope	21.97	15	eP	P	05 00 39.1 +1.9
NHSC	New Hope	21.97	15	P	P	05 00 37.6 +0.4
Y51A	Rockmart	21.98	4	P	P	05 00 37.6 +0.3
Y46A	Houston	21.99	355	P	P	05 00 37.3 +0.1
Y52A	Lilburn	22.02	6	eP	P	05 00 38.3 +0.5
Y52A	Lilburn	22.02	6	P	P	05 00 38.1 +0.3
Y45A	Yeager Farm, C	22.04	354	P	P	05 00 38.3 +0.3
Y53A	Monroe	22.07	7	P	P	05 00 38.4 +0.2
Y54A	Tifton	22.19	9	P	P	05 00 40.3 +0.7
X48A	Hartselle	22.48	359	P	P	05 00 42.2 -0.3
X50B	Fort Payne	22.50	2	P	P	05 00 42.9 +0.1
X49A	Woodville	22.54	1	P	P	05 00 43.1 -0.1
X47A	Russellville	22.56	358	P	P	05 00 43.3 -0.2
X45A	UM Field Stati	22.58	354	P	P	05 00 43.2 -0.3
X46A	Booneville	22.64	356	P	P	05 00 43.7 -0.5
X51A	Calhoun	22.65	4	eP	P	05 00 44.7 +0.4
X51A	Calhoun	22.65	4	P	P	05 00 44.4 +0.1
OXF	Oxford	22.67	354	eP	P	05 00 43.6 -0.8
OXF	Oxford	22.67	354	P	P	05 00 43.6 -0.8
X53A	Estanlee	22.74	7	P	P	05 00 45.2 0.0
X52A	Dahlonega	22.77	6	P	P	05 00 45.5 0.0
JSC	Jenkinsville	22.85	12	eP	P	05 00 47.1 +0.8
PLAL	Pickwick Lake	23.04	357	eP	P	05 00 47.5 -0.6
W49A	Belvidere	23.14	1	P	P	05 00 49.2 +0.1
W48A	Pulaski	23.16	360	P	P	05 00 49.3 0.0
X40A	Basin Creek Fa	23.19	347	P	P	05 00 49.6 +0.1
W46A	Michie	23.20	357	P	P	05 00 49.2 -0.5
SWET	Sewanee	23.25	2	eP	P	05 00 50.3 +0.2
W51A	Cleveland	23.25	4	P	P	05 00 50.2 +0.1
W52A	Murphy	23.25	6	eP	P	05 00 50.6 +0.5
W52A	Murphy	23.25	6	P	P	05 00 50.1 -0.1
W50A	Signal Mountain	23.26	3	eP	P	05 00 50.1 -0.1
W50A	Signal Mountain	23.26	3	P	P	05 00 49.9 -0.3
BG3	Lake Jocassee	23.27	8	eP	P	05 00 51.1 +0.8
PAULI	Pauline	23.27	10	eP	P	05 00 51.1 +0.8
W47A	Westpoint	23.29	358	P	P	05 00 50.4 -0.1
W53A	Cullowhee	23.41	7	P	P	05 00 51.5 -0.3
MIAR	Mount Ida	23.42	346	eP	P	05 00 51.0 -0.6
MIAR	Mount Ida	23.42	346	P	P	05 00 51.1 -0.6
TXAR	Lajitas Array	23.47	320	P	P	05 00 52.6 +0.3
TX31	Lajitas Ar, Si	23.47	320	eP	P	05 00 52.4 +0.1
X39A	Fountain Ranch	23.52	345	P	P	05 00 52.0 -0.6
CPCT	Cooper Cave	23.55	4	eP	P	05 00 53.5 +0.6
KMSC	Kings Mountain	23.67	11	eP	P	05 00 54.5 +0.5
KMSC	Kings Mountain	23.67	11	P	P	05 00 54.1 +0.1
V50A	Pikeville	23.74	3	P	P	05 00 54.0 -0.5
V48A	Smith Brothers	23.76	360	eP	P	05 00 54.9 +0.2
V48A	Smith Brothers	23.76	360	P	P	05 00 54.2 -0.5
V49A	McMinnville	23.80	2	P	P	05 00 54.5 -0.6
ABTX	Ablene, Hawle	23.82	332	P	P	05 00 54.9 -0.4
TKL	Tuckaleechee C	23.83	6	P	P	05 00 55.8 +0.5
TKL	Tuckaleechee C	23.83	6	eP	P	05 00 55.9 +0.5
V46A	Holladay	23.85	357	P	P	05 00 55.1 -0.5
V47A	Nunnally	23.86	358	P	P	05 00 55.6 0.0
V51A	Loudon	23.92	5	P	P	05 00 55.9 -0.2
V53A	Saluda	23.95	8	eP	P	05 00 57.0 +0.5
V53A	Saluda	23.95	8	P	P	05 00 56.4 -0.1
V52A	Sevierville	24.03	6	eP	P	05 00 57.5 +0.4
V52A	Sevierville	24.03	6	P	P	05 00 56.5 -0.5
WVT	Waverly	24.17	358	P	P	05 00 58.8 +0.4
V41A	Mountainview	24.31	349	P	P	05 00 59.5 -0.2
U46A	Springville	24.41	357	P	P	05 01 00.3 -0.3
V40A	Witts Springs	24.46	348	P	P	05 01 00.6 -0.4
U47A	Clarksville	24.46	359	P	P	05 01 00.8 -0.2
U50A	Jamestown	24.49	4	P	P	05 01 01.1 -0.3
U51A	La Follette	24.52	5	P	P	05 01 01.3 -0.3
U48A	Cassie Pea, Po	24.53	0	P	P	05 01 01.6 -0.1
U49A	Red Tholing Sp	24.55	2	P	P	05 01 02.0 +0.1
U52A	Thorn Hill	24.60	7	P	P	05 01 03.0 +0.7
U53A	Fall Branch	24.67	8	P	P	05 01 02.2 -0.7
V39A	Pettigrew	24.67	346	P	P	05 01 02.5 -0.5
U42A	Revdend	24.71	351	P	P	05 01 02.8 -0.4
TZTN	Tazewell	24.73	6	eP	P	05 01 03.8 +0.3
U40A	Yellville	25.00	348	P	P	05 01 05.5 -0.4
T47A	Sharon Grove	25.01	359	eP	P	05 01 06.3 +0.2
T47A	Sharon Grove	25.01	359	P	P	05 01 05.5 -0.5
T50A	Nancy	25.09	4	P	P	05 01 06.6 -0.2
T49A	Edmonton	25.14	2	eP	P	05 01 07.5 +0.2

T49A	Edmonton	25.14	2	P	P	05 01 07.2 -0.1
WMOK	Wichita Mounta	25.27	336	eP	P	05 01 09.3 +0.9
WMOK	Wichita Mounta	25.27	336	P	P	05 01 09.0 +0.5
TUL1	Leonard	25.30	343	P	P	05 01 07.8 -0.9
T43A	Greenville	25.30	353	P	P	05 01 07.9 -0.8
T42A	Van Buren	25.35	352	P	P	05 01 08.2 -1.0
T41A	Mountain View	25.47	351	P	P	05 01 09.3 -0.9
S47A	Hartford	25.61	360	P	P	05 01 09.9 -0.6
S48A	Wiedeman Farm,	25.68	1	P	P	05 01 11.6 -0.5
T40A	Mansfield	25.70	349	P	P	05

5d 6h

Table with columns: IOD4, Station Name, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like Tendick Farm, Newport, Scho Scheferville, etc.

NORS 05 04:59:02.0, 42.76N, 46.09E, h5km
MOS 05 04:59:02.0, 42.81N, 46.15E, h14km, MPVA3.6,

Table with columns: Code, Station Name, A° AZ°, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Vedeno, Botlikh, Groznyy, etc.

UCR 05 05:27:59.8, 1.7, 13.35N, 87.83W, h3km, 6km, ML3.6
NEIC 05 05:27:59.0, 0.0, 13.33N, 87.82W, h6km, MD3.6(SNET),

NEIC Felt [III] at La Union.
ISCJB 05 05:28:00.0, 1.0, 13.38N, 0.03, 87.82W, 0.03, h2km, 5km,
Error ellipse: s-maj=5.6km s-min=3.8km az=29.5

Table with columns: Code, Station Name, A° AZ°, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Conchagua, La Ca-ada, Cosiguina, etc.

ISCJB 05 05:31:27.5, 0.5, 13.37N, 0.04, 87.84W, 0.03, h6km, 4km,
Error ellipse: s-maj=6.3km s-min=3.6km az=24.5

UCR 05 05:31:27.5, 1.5, 13.34N, 87.83W, h5km, 3km, ML3.6
NEIC 05 05:31:27.1, 1.1, 13.38N, 87.80W, h10km, MD3.6(SNET),

Error ellipse: s-maj=15.1km s-min=10.2km az=55.0
NEIC Felt [III] at La Union, El Salvador.
ISC 05 05:31:27.4, 0.0, 13.35N, 0.04, 87.83W, 0.03, h8km, 6km,

Table with columns: Code, Station Name, A° AZ°, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like La Ca-ada, Conchagua, Cosiguina, etc.

IDC 05 05:30:28.2, 1.0, 9.86N, 126.50E, h0km, mb4.4/13,
mb1.4/13, mb1mx4.1/49, mbtmp4.1/13, MS3.6/19,

MAN 05 05:50:30.0, 9.77N, 126.67E, h6km, mb5.2, ML4.1, MS4.2
ISCJB 05 05:50:31.7, 0.4, 9.79N, 0.04, 126.63E, 0.04, h3km,

NEIC 05 05:50:34.0, 0.3, 9.87N, 126.45E, h35km, mb4.8/10, Error

2012 OCT

ellipse: s-maj=15.4km s-min=5.6km az=77.0
ISC 05 05:30:32.4, 1.5, 9.79N, 0.03, 126.52E, 0.06, h2km, 11km,

Large table with columns: Code, Station Name, A° AZ°, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Surigao, Butuan, Maasin, Palo, Borongan, etc.

ISCJB 05 05:55:34.4, 0.4, 52.63S, 0.05, 160.42E, 0.08, h10km,
mb4.2/14, MS3.6/7, Error ellipse: s-maj=8.8km

MAN 05 05:55:35.9, 0.9, 52.72S, 159.98E, h0km, mb4.3/3.8,
mb1.4/10, mb1mx4.2/36, mbtmp4.3/10, ML4.3/2, MS3.8/9,

NEIC 05 05:55:38.0, 0.2, Error ellipse: s-maj=28.2km, s-min=16.7km az=88.0

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NEIC 05 05:55:36.0, 0.4, 52.67S, 160.21E, h10km, mb4.3/9, Error
ellipse: s-maj=8.4km s-min=5.7km az=138.0

Table with columns: Code, Station Name, A° AZ°, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Macquarie Isla, The Paps, Puysegur Point, etc.

MEX 05 06:32:24.1, 0.0, 16.30N, 98.26W, h11km, mb4.0/1,
MD3.8(MEX), After MEX.

MEX 05 06:32:24.1, 0.6, 16.30N, 98.26W, h11km, 3km, MD3.8,
Near coast of Guerrero

Table with columns: Code, Station Name, A° AZ°, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Pinotepa, Papeete, Tlapa, etc.

Table with columns: Call Sign, Name, Power, Frequency, Mode, and other technical details. Includes stations like Vista Hermosa, Acapulco, El Cayaco, Mezcala, Huatulco, etc.

NEIC 05 06:37.30.9.0.0, 19.96N, 65.47W, h36km, mb3.9/1, MD4.0(RSPR), 46.85 RSPR
RSPR 05 06:37.31.0, 19.96N, 65.47W, h37km, 18km, MD4.0/13
IDC 05 06:37.30.3.2.8, 19.89N, 65.40W, h51km, 26km, mb3.5/7, mb1.3/7.8, mb1mx3.4/2, mbtmp3.8/8, ML3.7/1, MS3.0/7, Ms1.3/0.7, ms1mx2.7/3.3, Error ellipse: s-maj=19.4km s-min=14.8km az=15.0

ISC 05 06:37.30.1.1.2, 19.96N, 0.06:65.44W, 0.03, h47km, 14km, n254, 1543/176, mb3.8/7, MS3.0/5, 28C-80, Puerto Rico region

Main table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other technical details. Lists numerous stations and their operational parameters.

Table with columns: Call Sign, Name, Power, Frequency, Mode, and other technical details. Includes stations like Dominica, Viel, Barber's Block, Morne-Daniel, Fort de France, Guadeloupe/Mar, Belmont, etc.

Table with columns: Call Sign, Name, Power, Frequency, Mode, and other technical details. Includes stations like Estanollee, Midway, Culwheeze, Saluda, Dahlogna, Palisades, Fall Branch, Murphy, Rockmart, Eclectic, etc.

JUNU	Nakatsue	8.43 34 P	Pn	08 15 19.2 +0.7
JUNU	Nakatsue	8.43 34 ePn	Pn	08 15 19.0 +0.5
SGCP	Mt. Cagua	8.50 201 eP	Pn	08 15 16.8 -2.7
AFYP	Conner	9.13 205 eP	Pn	08 15 26.6 -1.3
PALP	Palanan	9.51 196 eP	Pn	08 15 31.6 -1.7
ABRA	Dolores	9.53 207 eP	Pn	08 15 32.3 -0.9
CAUP	Cauyan	9.75 199 eP	Pn	08 15 38.4 +1.8
TJN	Taejon	10.25 10 iP	Pn	08 15 45.5 +3.0
WHN	Wuhan	10.47 297 P	Pn	08 15 46.7 +1.3
WHN			LR	08 17 40.2 -1.2
WHN	comp=N,1j,m,5.7s		LR	
WHN	comp=E,880nm,5.8s		LR	
WHN	comp=Z,930nm,7.6s		LR	
SMPP	San Manuel, Pa	10.91 204 eP	Pn	08 15 49.5 -1.8
BOLP	Boliniao	11.00 208 eP	Pn	08 15 49.9 -2.6
BALP	Baler	11.00 199 eP	Pn	08 15 52.2 -0.3
GZH	Guangzhou	11.24 256 P	Pn	08 15 49.0 -6.6
KS15	Wonju Array Si	11.38 11 ePn	Pn	08 15 59.7 +2.5
KSAR	Wonju Array Be	11.38 11 ePn	Pn	08 15 59.7 +2.4
KSAR	Wonju Array Be	11.38 11 P	Pn	08 15 59.7 +2.4
KSRS	Korea Array	11.40 11 P	Pn	08 15 59.7 +2.2
SK01	3.9nm,0.3s,baz=190,slow=13,SNR=19			
TK01	Wonju Array Si	11.41 11 ePn	Pn	08 15 59.3 +1.6
TGY	Tagaytay City	12.74 199 P	Pn	08 16 16.4 +1.3
TGY	61nm,0.3s,baz=0.7,slow=1.0,SNR=7.6		LR	08 21 20.9
DL2	Z,434nm,18.8s,baz=358,slow=38		P	08 16 24.8 +2.7
DL2	Dalian	12.96 347 P	Pn	08 17 04.4 +4.7
DL2			S	08 18 55.4 +3.9
DL2			S	
DL2	comp=Z,100nm,1.1s		Pmax	
DL2	comp=Z,400nm,3.8s		Pmax	
BOAC	Boac	13.12 195 eP	Pn	08 16 26.0 +2.0
INU	Inuyuan	13.59 45 eP	P	08 16 27.7 -1.5
OTRP	Odiangan	14.15 193 eP	Pn	08 16 33.1 +0.3
JHJ	Hachijo jima 2	14.39 58 P	Pn	08 16 39.8 +1.7
JHJ	comp=Z,63nm,0.3s,baz=236,slow=10,SNR=4.5			
JHJ2	Mitsue	14.41 58 eP	P	08 16 38.5 +0.3
ENH	Enshi	14.42 290 eP	P	08 16 38.0 -0.1
RCP	Roxas	14.81 1891 eP	P	08 16 42.4 -0.4
MAJO	Matsushiro	15.09 44 ePn	P	08 16 45.6 -0.3
MAJO	Matsushiro	15.09 44 eP	P	08 16 45.6 -0.3
MAJO	comp=Z,211nm,0.8s		Pmax	
MAT	Matsushiro	15.09 44 P	Pn	08 16 41.6 -2.9
MJAR	Matsushiro Arr	15.09 44 P	Pn	08 16 46.2 +0.4
MJB9	Matsu-Tunnel	15.09 44 ePn	P	08 16 46.0 +0.1
MJB9	comp=Z,211nm,0.8s			
CBIJ	Chichi jima	15.20 83 ePn	P	08 16 47.7 +0.6
BJT	Baijiatatau	15.66 333 ePn	P	08 16 53.3 +1.3
BJT	Baijiatatau	15.66 333 eP	P	08 16 53.3 +1.3
BJT	comp=Z,60nm,0.8s		Pmax	
BJI	Beijing	15.67 334 P	S	08 16 53.2 +1.1
BJI			S	08 19 49.3 +2.6
BJI	comp=Z,211nm,0.8s		Pmax	
TIY	Taiyuan	15.72 320 iP	P	08 16 55.4 +2.5
TIY			S	08 19 40.8 -6.8
TIY	comp=Z,710nm,3.6s		Pmax	
CUYO	Cuyo Island	15.83 195 eP	Pn	08 16 53.6 0.0
CUYO			eS	08 16 54.2 +0.1
QIONZ	Qiongzong	15.89 246 P	P	08 16 53.1 -1.3
QIZ	Qiongzong	15.89 246 ePn	P	08 16 51.4 0.0
QIZ	comp=Z,36nm,1.0s		S	08 16 57.0 +2.2
XAN	Xi'an	16.07 303 P	P	08 16 57.7 +1.0
XAN			sP	08 17 34.8 -1.0
XAN			S	08 19 56.5 +0.6
XAN	comp=Z,88nm,1.4s		Pmax	
XAN	comp=Z,740nm,6.4s		Pmax	
XAN	comp=Z,220nm,4.9s		LR	
XAN	comp=Z,310nm,7.0s		LR	
XAN	comp=Z,320nm,11.8s		LR	
GYA	Guiyang	16.62 275 P	Pn	08 17 03.2 -0.1
GYA			PP	08 17 22.8 -7.6
GYA			PP	08 17 46.4 -4.6
GYA			PcP	08 21 45.0 +1.7
GYA	comp=Z,50nm,0.8s		Pmax	
GYA	comp=Z,130nm,4.6s		Pmax	
MSHR	Mys Shultsa	17.00 151 eP	Pn	08 17 08.9 +1.4
CN2	Changchun	17.50 1 eP	Pn	08 17 14.4 +0.9
CN2			sP	08 17 59.1 -1.5
CN2			S	08 20 22.5 -3.4
CN2	comp=Z,40nm,0.9s		Pmax	
CN2	comp=Z,180nm,4.0s		Pmax	
CN2	comp=Z,320nm,7.0s		LR	
CN2	comp=Z,340nm,7.0s		LR	
CN2	comp=Z,480nm,8.0s		LR	
HHC	Hu-ho-hao-te	18.43 326 eP	Pn	08 17 24.1 -0.6
HHC			S	08 20 40.9 -3.6
HHC	comp=Z,74nm,0.9s		Pmax	
HHC	comp=Z,430nm,4.1s		Pmax	
MDJ	Mudanjiang	18.66 10 P	P	08 17 25.4 +0.5
MDJ			sP	08 18 10.3 -3.0
MDJ			S	08 20 51.1 +2.4
MDJ			ScP	08 25 06.7 +0.2
MDJ			PcS	08 25 22.4 -0.5
MDJ			ScS	08 28 48.5 +0.9
MDJ	comp=Z,250nm,5.3s		Pmax	
USA0B	Ussuriysk Arra	18.72 15 eP	Pn	08 17 26.9 -1.0
USRK	Ussuriysk Ar	18.72 15 P	Pn	08 17 25.7 +0.1
USRK	comp=Z,4.5nm,0.3s,baz=190,slow=9.2,SNR=61			
BTO	Baotou	19.07 322 eP	P	08 17 31.0 -1.2
CD2	Chengdu	19.39 289 iP	P	08 17 33.4 +0.4
CD2			PP	08 18 01.4 +0.4
CD2			PP	08 21 25.8 -3.7
CD2			S	08 21 03.4 -0.2
CD2	comp=Z,380nm,4.2s		LR	
CD2	comp=Z,450nm,7.5s		LR	
CD2	comp=Z,480nm,7.8s		LR	
CD2	comp=Z,470nm,7.2s		LR	
KMI	Kunming	20.28 272 P	P	08 17 43.9 +1.1
KMI			sP	08 18 36.4 +4.9
KMI			S	08 21 17.2 -4.3
KMI	comp=Z,94nm,0.9s		Pmax	
LZH	Lanzhou	20.70 303 eP	P	08 17 47.8 +0.7
LZH			PP	08 18 21.2 +5.7
LZH			sP	08 18 35.7 -0.3
LZH			S	08 21 25.8 -3.7
LZH			SS	08 22 06.6 +2.0
LZH	comp=Z,150nm,1.2s		Pmax	
LZH	comp=Z,740nm,4.1s		Pmax	
TEY	Ternei	20.86 231 eP	P	08 17 44.9 -3.6
PANO	Nakornpanom	21.15 249 P	P	08 17 54.1 +2.2
PANO	comp=Z,1.2nm,1.0s			
ERM	Erimo	21.56 39 eP	P	08 17 54.6 -1.4

ERM	Erimo	21.56 391 eP	P	08 17 56.7 +0.7
ERM	comp=Z,108nm,1.7s		Pmax	
SKNT	Sakolnakhorn	21.76 249 P	P	08 18 00.5 +2.1
SKNT	comp=Z,9.6nm,0.9s,comp=Z,1j,m			
ASAJ	Asahikawa	22.71 34 P	P	08 18 05.6 -1.8
ASAJ	comp=Z,10nm,0.3s,baz=247,slow=6.9,SNR=11			
ASAJ	Asahikawa	22.71 34 eP	P	08 18 05.8 -1.5
HIA	Hailar	23.36 351 eP	P	08 18 13.0 -0.2
HIA	Hailar	23.36 351 eP	P	08 18 13.0 -0.2
HIA	comp=Z,90nm,1.1s		Pmax	
KLR	Kul'dur	23.49 11 P	P	08 18 13.4 -1.0
KLR	comp=Z,1.4nm,0.3s,baz=220,slow=7.6,SNR=7.6		Pn	08 18 52.6 0.0
KLR	comp=Z,15nm,0.9s,baz=201,slow=9.4,SNR=13.1			
KLR	comp=Z,4.3nm,0.7s,baz=238,slow=2.8,SNR=3.7		ScP	08 21 55.9 +0.5
CHAI	Chaiyaphum	23.95 249 eP	P	08 18 19.1 +0.2
CHAI	comp=Z,26nm,0.9s,comp=Z,198nm			
PAYA	Payao	24.32 259 P	P	08 18 23.4 +1.1
PAYA	comp=Z,1.1nm,0.8s,comp=Z,86nm			
LAMP	Lampang	24.84 257 P	P	08 18 27.7 +0.7
LAMP	comp=Z,26nm,0.8s,comp=Z,238nm			
SRAK	Sakraew	24.88 245 P	P	08 18 24.2 -3.1
SRAK	comp=Z,1.77nm,0.9s,comp=Z,1j,m			
YSS	Yuzh-Sakhalins	24.89 29 eP	P	08 18 28.8 +1.7
YSS	comp=Z,1.6nm,0.7s			
YSS	Yuzh-Sakhalins	24.89 29 eP	P	08 18 26.0 -1.1
YSS			e	08 18 53.0
YSS			e	08 22 45.3
GTA	Gaotai	24.95 308 iP	P	08 18 27.3 -0.6
GTA			PP	08 18 57.4 -3.8
GTA			sP	08 19 19.4 -0.9
GTA			PcP	08 21 59.7 +0.8
GTA			S	08 22 37.7 -1.8
GTA			sS	08 23 33.8 -5.0
GTA			SS	08 23 50.8 +2.3
GTA			PcS	08 25 38.7 +0.7
GTA			ScS	08 29 11.6 +0.3
GTA	comp=Z,190nm,5.3s		Pmax	
GTA	comp=Z,310nm,17.2s		LR	
GTA	comp=Z,140nm,16.8s		LR	
GTA	comp=Z,150nm,13.7s		LR	
SUKH	Sukhothai	25.25 253 P	P	08 18 31.5 +0.8
SUKH	comp=Z,6.1nm,0.8s			
CMMT	Chiang Mai	25.33 258 P	P	08 18 31.6 +0.2
CMMT	comp=Z,7.1nm,1.0s,comp=Z,574nm			
CHTO	Chiang Mai	25.33 258 eP	P	08 18 31.8 +0.4
CHTO	comp=Z,55nm,0.9s			
CHTO	Chiang Mai	25.33 258 P	P	08 18 32.0 +0.6
CHTO	Chiang Mai	25.33 258 P	P	08 18 32.0 +0.6
CHTO	Chiang Mai	25.33 258 P	P	08 18 32.0 +0.6
CHTO	Chiang Mai	25.33 258 P	P	08 18 32.0 +0.6
CHTO	Chiang Mai	25.33 258 P	P	08 18 32.0 +0.6
CHTO	Chiang Mai	25.33 258 eP	Pmax	
CHTO	Chiang Mai	25.33 258 eP	Pmax	
CHTO	Chiang Mai	25.33 258 P	P	08 18 31.7 +0.3
CHTO	Chiang Mai	25.33 258 P	P	08 18 32.9 +0.2
CHTO	Chiang Mai	25.47 258 eP	PcP	08 22 01.5 +1.2
CM01	Chiang Mai Arr	25.47 258 P	P	08 18 33.4 +0.7
CM01	Chiang Mai Arr	25.47 258 P	P	08 18 33.4 +0.7
CM01	Chiang Mai Arr	25.47 258 P	P	08 18 33.4 +0.7
CM01	Chiang Mai Arr	25.47 258 P	P	08 18 33.4 +0.7
CMAR	Chiang Mai Arr	25.47 258 P	P	08 18 33.4 +0.7
CMAR	comp=Z,1.6nm,0.8s,baz=57,slow=7.8,SNR=75		PcP	08 22 01.0 +0.7
CMAR	comp=Z,4.0nm,0.7s,baz=37,slow=0.7,SNR=11		ScP	08 25 24.9 +0.5
CMAR	comp=Z,0.9nm,0.3s,baz=82,slow=0.8,SNR=5.4		LR	08 28 19.9
CMAR	comp=Z,97nm,20.7s,baz=80,slow=35			
CMAR	Chiang Mai Arr	25.47 258 eP	Pmax	08 18 33.2 +0.5
ULN	Ulanbaatar	25.86 331 eP	P	08 18 36.0 0.0
ULN	Ulanbaatar	25.86 331 P	P	08 18 36.3 +0.2
ULN	Ulanbaatar	25.86 331 P	P	08 18 36.3 +0.2
ULN	Ulanbaatar	25.86 331 P	P	08 18 36.3 +0.2
ULN	Ulanbaatar	25.86 331 P	P	08 18 36.3 +0.2
ULN	Ulanbaatar	25.86 331 d i P	P	08 18 35.7 -0.3
ULN	comp=Z,94nm,1.2s		Pmax	
SONM	Songino Array	26.12 330 P	P	08 18 38.1 -0.2
SONM	comp=Z,3.1nm,0.8s,baz=149,slow=9.3,SNR=38			
SONM	comp=Z,5.8nm,0.7s,baz=149,slow=4.5,SNR=6.8		PcP	08 22 01.9 +0.5
SONM	comp=Z,2.7nm,0.7s,baz=149,slow=0.8,SNR=4.0		LR	08 25 24.2 -1.7
SONM	comp=Z,74nm,18.3s,baz=100,slow=40			
SONA1	Songino Array	26.13 330 eP	P	08 18 38.0 -0.4
SONA1	comp=Z,1.70nm,20.0s,baz=250,slow=32		PcP	08 22 02.1 +0.6
UTHA	Uthaitai	26.26 251 P	P	08 18 41.3 +1.5
UMPA	Umpang Tak	26.47 253 P	P	08 18 43.7 +2.0
UMPA	comp=Z,15nm,1.0s,comp=Z,62nm			
SRDT	SRDT	27.12 249 P	P	08 18 49.8 +2.3
SRDT	comp=Z,25nm,1.3s,comp=Z,5j,m			
PHET	Kaeng Krachan	27.45 246 P	P	08 18 52.2 +1.8
PHET	comp=Z,10.0nm,0.9s			
ZEA	Zeya	27.49 3 eP	P	08 18 52.8 +2.4
ZEA			Pmax	
SJI	Sorong	27.60 167 LR	LR	08 28 10.5
SJI	comp=Z,170nm,20.0s,baz=250,slow=32			
ZAK	Zakamensk	29.38 331 eP	P	08 19 06.5 -0.8
ZAK			Pmax	
FAKI	Fak Fak	29.80 166 eP	P	08 19 11.4 +0.2
FAKI	comp=Z,4.0nm,1.2s			
FAKI	Shillong	29.94 276 eP	PcP	08 22 10.9 +0.1
FAKI	Shillong	29.94 276 eP	PcP	08 22 12.3 -0.3
FAKI	Shillong	29.94 276 eP	PcP	08 22 11.7 +0.4
FAKI	Shillong	29.94 276 eP	PcP	08 22 11.7 +0.4
FAKI	Shillong	29.94 276 eP	PcP	08 22 11.7 +0.4
FAKI	Shillong	29.94 276 eP	PcP	08 22 11.7 +0.4
FAKI	Talaya	30.20 333 eP	S	08 19 14.0 +1.4
FAKI	Talaya	30.20 333 eP	S	08 22 33.5
FAKI	Talaya	30.20 333 eP	S	08 19 14.6 +0.2
FAKI	Talaya	30.20 333 eP	S	08 24 09.4 +7.9
FAKI	Talaya	30.20 333 eP	S	

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like INK, PUL, ANN, HYT, RAYN, FIA1, FINES, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like UZH, ARR, CJR, MANT, AKN, DRGR, OJC, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like IDI, AGG, LLLB, ARSA, KHC, etc.

Table with columns: ABPO, comp, pmax, pmax, and numerical values. Rows include stations like N02D Trinity Center, M04C Maccodi, K05A Summer Lake, etc.

Table with columns: LSZ, Lusaka, 102.78 259, ePdif, Pdif, 08 26 58.0, -1.1, and numerical values. Rows include stations like MAW Mawson, VANDA Vanda, WMOK Wichita, etc.

Table with columns: IKFM, comp, N, 0.0nm, 0.2s, IAMB, Iamb, 08 42 36.4, and numerical values. Rows include stations like IKOM Komasi, IKOM Komasi, IKOM Komasi, etc.

ISN 05 08:41:39.2±0.8, 33.20N±46.44E, h30km±3km, ML3.0, TEH 05 08:41:46.1±2.7, 33.16N±46.44E, h17km, ML3.0, Iran-Iraq border region

Code Station Name A° AZ° Phase ID Op Time Res h m s ISC

Table with columns for station name, frequency, power, and other technical details. Includes stations like CSS Mathias, YAL Yalta, YAL comp-Z,19nm,0.2s, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like VRAC comp-Z,131nm,18.1s, OBN Obsnisk, OBN comp-Z,7.0nm,1.1s, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like WMQ comp-Z,230nm,4.9s, WMQ comp-N,280nm,26.1s, etc.

IDD 05 10:34:06.1±1.1, 8.04S:124.20E, h0km, mb4.1/6, mb1 4.3/10, mb1mx4.0/34, mbtmp4.2/10, ML4.1/4, MS3.1/7, Ms1 3.1/7, ms1mx2.8/34, Error ellipse: s-maj=41.4km s-min=13.0km az=87.0

NEIC 05 10:34:07.9±0.6, 8.22S:123.61E, h10km, mb4.4/6, Error ellipse: s-maj=14.2km s-min=8.1km az=63.0

NEIC Feli [I] on Pulau Kawula, NEIC 05 10:34:08.1±0.3, 8.18S:123.67E, h33km, mb4.9/5, MS3.1/3, Error ellipse: s-maj=5.0km s-min=3.7km az=40.0

DJA 05 10:34:08.4±0.3, 8.3S:124.4E, h10km, mb4.5/12, mbB5.3/1, mb4.7/7, ML4.3/12, Mw(mb)4.7/7

ISC 05 10:34:10.8±0.6, 8.25S:102.04E, h35km, mb4.4/4, ms2/50, mb4.4/9, MS3.1/3, 1C, Flores region

Table with columns for Code, Station Name, Frequency, Power, and other technical details. Includes stations like MMRI Maumere, SOEI Soe, SOEI Soe, etc.

5d 14h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Mount Grey, Dawson Inlet, H02S1B, etc.

NIED 05 13:41:00, 44.00N, 140.80E, h5km, Mw3.4 Best double couple: M1: 4.2000x10^14, N1: 1.189 00000^0, S3: 0.00000^0, ...

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Yagishiri, Shakotan, HJR, etc.

DDA 05 13:45:36.0, 39.12N, 29.14E, h7km, M1.2 ISK 05 13:45:36.7, 39.13N, 29.18E, h5km, ML2.5/3

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SHAP, SAPHANE-KUTAHY, SMAA, etc.

ISCJB 05 13:46:29.5, 0.4, 26.01N, 0.07, 124.60E, 0.06, h196km, 6km, mb3.3/6, Error ellipse: s-maj=13.9km

JMA 05 13:46:30.0, 0.5, 26.18N, 124.41E, h172km, M3.9 IDC 05 13:46:33.9, 0.7, 26.04N, 124.45E, h225km, 76km, mb3.2/6

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IKEMAJIMA, IRABUJIMA, MIYAKO JIMA, etc.

2012 OCT

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JUT3, JNTH, JIH, etc.

IASPEI 05 13:50:16.6, 0.9, 39.34N, 0.03, 33.80E, 0.03, h8km, 7km, Error ellipse: s-maj=4.9km, s-min=3.7km, az=125.1, GT5

ISK 05 13:50:16.2, 0.9, 39.34N, 0.03, 33.81E, h5km, ML3.9/8 DDA 05 13:50:16.8, 0.9, 39.33N, 0.03, 33.83E, h18km, M3.7

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

IDC 05 14:09:32.7, 2.3, 10.46N, 126.69E, h0km, mb3.6/5, mb1.3/5, mb1mx3.5/3.1, mbtmp3.6/5, MS2.6/1, M1 2.8/1

MAN 05 14:09:37.5, 10.75N, 126.33E, h15km, mb4.9, ML3.8, MS3.8

ISC 05 14:09:34.8, 2.7, 10.73N, 0.06, 126.7E, 0.1, h25km, 18km, n12, c158/16, mb3.6/5, Philippine Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BESP, Borongan, SCPH, etc.

SOME 05 14:27:01.7, 41.28N, 72.02E, h0km KRNET 05 14:27:01.6, 0.1, 41.26N, 72.03E, h15km, mb2.3

NINC 05 14:27:03.5, 1.4, 41.34N, 72.16E, h0km, mb2.7, mpv2.5, Error ellipse: s-maj=16.1km, s-min=5.2km, az=77.0

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SFK, Sufi-Kurgan, SFK, etc.

MAN 05 14:34:53.7, 10.37N, 125.92E, h31km, mb4.3, ML3.1, MS2.9, 1D, Leyte

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SCPH, Surigao, MSPL, etc.

NIED 05 14:49:00, 37.40N, 142.50E, h11km, Mw3.5 Best double couple: M1: 1.95000x10^14, N1: 4.4 00000^0, S3: 8.38 00000^0

IDC 05 14:49:53.1, 8.7, 37.34N, 142.90E, h0km, mb3.6/2, mb1.3/7.3, mb1mx3.3/4.2, mbtmp3.4/3, ML2.9/1, Error

ISCJB 05 14:49:54.8, 1.0, 37.34N, 0.06, 142.59E, 0.07, h21km, mb3.8/2, Error ellipse: s-maj=8.5km, s-min=7.9km, az=154.5

JMA 05 14:49:55.2, 0.2, 37.37N, 142.51E, h18km, 3km, M3.6 ISC 05 14:49:56.4, 1.5, 37.38N, 0.06, 142.43E, 0.08, h21km, n21, c1935/23, Off coast coast of Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JFK, Kawauchi, ONAJ, etc.

NIED 05 14:55:00, 26.00N, 125.40E, h95km, Mw3.8 Best double couple: M1: 6.54000x10^14, N1: 1.03 00000^0, S2: 4.00000^0

JMA 05 14:55:16.1, 0.2, 25.97N, 125.39E, h100km, M3.5, Southwestern Ryukyu Islands

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IRIOT, HATJ, JHTH, etc.

ISCJB 05 14:58:51.9, 0.4, 37.19N, 0.03, 28.19E, 0.03, h0km, Error ellipse: s-maj=4.6km s-min=3.0km az=37.7

ISC 05 14:58:52.1, 0.9, 37.22N, 0.03, 28.21E, 0.02, h0km, n20, c152/31, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like YER, MILSB, TUR, etc.

ISCJB 05 15:06:34.7, 0.5, 37.78N, 0.03, 29.07E, 0.03, h9km, 4km, Error ellipse: s-maj=5.0km s-min=4.5km az=30.9

ISC 05 15:06:34.7, 0.5, 37.77N, 29.10E, h6km, ML2, 1/7

ISC 05 15:06:34.8, 0.9, 37.79N, 29.08E, h7km, ML2.6

ISC 05 15:06:34.8, 0.9, 37.79N, 29.08E, h8km, 7km, n18, c0584/26, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DENT, TAVA, KHL, etc.

MAN 05 15:08:03.6, 1.1, 39N, 126.43E, h54km, mb4.6, ML3.5, MS3.4

ISCJB 05 15:08:04.9, 2.1, 11.47N, 0.08, 126.29E, 0.08, h16km, 14km, mb3.4/3, Error ellipse: s-maj=14.6km

ISC 05 15:08:05.8, 4.5, 11.26N, 125.87E, h0km, mb3.3/3, mb1.3/3, mb1mx3.3/44, mbtmp3.3/3, Error ellipse: s-maj=367.6km s-min=26.9km az=65.0

ISC 05 15:08:06.5, 2.5, 11.40N, 0.07, 126.2E, 0.1, h10km, 13km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BESP, PLP, OCLP, etc.

ISC 05 15:10:20.14, 8.6, 9.2, 18S, 106.72W, h0km, mb3.5/3, mb1.3/9, mb1mx3.5/3, mbtmp3.5/3, MS3.1/1, Ms1.3.1/1, ms1mx2.6/18, Error ellipse: s-maj=136.5km

s-min=60.6km az=111.0, Central East Pacific Rise

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like APG, TXAR, PDAR, etc.

NIED 05 15:11:00, 35.00N, 137.30E, h35km, Mb3.5, Best double couple: M2, 0.8000, 1.014, NP1, 0.5, 157.0000, 0.34, 0.0000, 1.16, 1.0000, NP2, 0.55, 0.0000, 0.75, 0.0000, 1.2, 37.0000

JMA 05 15:11:20.3, 35.03N, 137.24E, h38km, M3.3, 2C-4D Broadband fault plane solution: P waves, NP1: 0.6, 0.0000, 0.87, 0.0000, 1.17, 0.0000, NP2: 0.6, 0.0000, 0.73, 0.0000, 1.17, 0.0000, Principal axes: T P1, 0.0000, Azm1, 0.0000, N P1, 0.73, 0.0000, Azm2, 0.0000, P P1, 0.0000, Azm1, 0.0000, Eastern Honshu

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

KRNET 05 15:29:04.5, 0.1, 39.12N, 70.11E, mb3.3, NNC 05 15:29:06.7, 1.6, 38.84N, 70.63E, h0km, mb3.8, mpv3.4, Error ellipse: s-maj=12.3km s-min=7.4km az=22.0

ISC 05 15:29:14.5, 2.1, 39.49N, 0.1, 70.1E, 0.07, h10km, n28, c209/48, 27C-12D, Tajikistan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BATK, BTK, SFK, etc.

ISC 05 15:29:06.7, 1.6, 38.84N, 70.63E, h0km, mb3.8, mpv3.4, Error ellipse: s-maj=12.3km s-min=7.4km az=22.0

ISC 05 15:29:14.5, 2.1, 39.49N, 0.1, 70.1E, 0.07, h10km, n28, c209/48, 27C-12D, Tajikistan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ARLS, ARLS, KK31, etc.

ISCJB 05 15:37:43.7, 0.6, 33.31N, 0.03, 35.34E, 0.05, h11km, 8km, Error ellipse: s-maj=8.2km s-min=3.5km az=37.2

GII 05 15:37:43.7, 0.0, 33.29N, 35.36E, h3km, MD1.5/4, GRAL 05 15:37:45.0, 0.3, 33.32N, 35.39E, h3km, 105km, MD2.7

ISC 05 15:37:44.3, 1.2, 33.33N, 0.03, 35.36E, 0.04, h13km, 11km, n15, c0522/24, Jordan-Syria region

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

BUI 05 15:43:54.7, 0.00N, 123.70E, h16km, mb4.8/36, mb5.1/22, Ms4.5/4, Ms7.4/23, MOS 05 15:44:02.9, 0.8, 0.07N, 123.48E, h96km, mb5.1/32, Error ellipse: s-maj=12.8km s-min=6.6km az=112.1

ISC 05 15:44:05.9, 1.2, 0.08N, 123.60E, h103km, 9km, mb4.3/25, mb1.4/5, 29, mb1, ms1mx4.4/39, mbtmp4.7/29, MS3.4/14, Ms1.3.4/14, ms1mx3.1/38, Error ellipse: s-maj=12.7km s-min=8.1km az=64.0

mb1.4/5, 29, mb1, ms1mx4.4/39, mbtmp4.7/29, MS3.4/14, Ms1.3.4/14, ms1mx3.1/38, Error ellipse: s-maj=12.7km s-min=8.1km az=64.0

ISCJB 05 15:44:05.9, 0.3, 0.03N, 0.02, 123.68E, 0.02, h112km, 3km, mb4.8/94, Error ellipse: s-maj=4.1km s-min=3.4km az=38.7

NEIC 05 15:44:06.0, 0.7, 0.06N, 123.64E, h108km, 7km, mb4.9/25, Error ellipse: s-maj=6.6km s-min=5.1km az=58.0

GCMT 05 15:44:06.0, 0.3, 0.03S, 0.03, 123.68E, 0.03, h80km, 5km, MW4.8/63, Moment Tensor Solution, s15, c16, s63, c39; Duration: 0 Moment tensor: Scale 1016Nm; Mri: 2.0; c13; M1: 1.3; 12; M2: 0.10; 14; M3: 0.94; 06; M4: 0.44; 12; M5: 0.60; 07; Best double couple: M1, 72800, 1016; NP1, 0.62, 0.0000, 0.66, 0.0000, 1.79, 0.0000; NP2: 0.268, 0.0000, 0.827, 0.0000, 1.113, 0.0000; Principal axes: T 1.6430, Plg68.0000, Azm31.10000; N 0.1750, Plg10.0000, Azm67.0000; P -1.8130, Plg20.0000; Azm161.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

DJA 05 15:44:07.1, 0.2, 0.2, S, 12.4E, h94km, 2km, M4.9/48, Mb5.1/48, mb5.3/20, Mw(MB)4.7/20, Mw(MB)4.7/20, Mw(MB)4.7/20, ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

ISC 05 15:44:06.3, 0.6, 0.04N, 0.04, 123.64E, 0.04, h108km, 5km, n9, c1527/12, mb3.3/3, 1D, Philippine Islands region

5d 16h

Table with columns for station name, frequency, power, and other technical details. Includes stations like COEN, SKNT, PSI, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like MJAR, MJB9, MJAJO, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like SEY, CASY, BIDO, etc.

ISK 05 16:09:05.3, 38°56'N-43°17'E, h13km, 1km, ML 1.9/4
ISCJB 05 16:09:06.2, 0.5, 38.566N, 0.044317E, 0.03, h14km, 5km,
Eror ellipsoi: s-maj=6.0km e-maj=6.0km az=170.1

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like VANB, TVAN, GEVA, etc.

IDC 05 16:10:01.9, 0.8, 9°44'N-126°40'E, h0km, mb.4, 1/2,
mb1.4/2.12, mb1mx3.9/4.3, mbtmp.4/1.12, MS3.4/3,

M5 1.3/4.3, ms1mx2.9/37, Error ellipse: s-maj=42.4km s-min=13.6km az=71.0

MAN 05 16:10:08.1, 9.95N; 126.39E, h18km, mb5.0, ML4.0, MS4.0

ISC 05 16:10:05.1-1.1, 9.88N, 0.03>126.46E, 0.08, h21km, 8km, n30, az=210/38, mb4.0/12, 1C-3D, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data for the event.

DJA 05 16:12:48.8-1.1, 8.5S, 107E, h23km, 12km, M3.6/3, ML3.6/3, Jawa

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data for the event.

ISC/JB 05 16:19:00.9-0.6, 40.00N, 0.02>140.49E, 0.02, h0km, 3km, mb4.8/148, MS4.0/27, Error ellipse: s-maj=4.2km

s-min=2.7km az=151.0

NIED 05 16:19:00.40, 0.00N, 140.60E, h5km, Mw4.7 Best double couple: M0: 1.4000e-1016, NP1: 0.288 0.0000, 0.875 0.0000, 1.5 0.0000, NP2: 0.196 0.0000, 0.885 0.0000, 1.165 0.0000

IDC 05 16:19:01.6-0.4, 39.96N, 140.54E, h0km, mb4.6/31, mb1.4/8/34, mb1mx1.6/54, mbtmp4.6/34, ML4.1/3, MS3.9/23, Ms1.3/9/23, ms1mx3.8/33, Error ellipse: s-maj=12.5km

s-min=9.3km az=109.0

JMA 05 16:19:01.8, 39.99N, 140.61E, h3km, 1km, M4.9 Broadband fault plane solution: P waves. NP1: 0.208 0.0000, 0.870 0.0000, 1.157 0.0000, NP2: 0.307 0.0000, 0.688 0.0000, 1.210 0.0000, Principal axes: T P1g30.0000, Azm167.0000, N P1g60.0000, Azm350.0000, P P1g1.0000, Azm258.0000

JMA Felt III J1, BJI 05 16:19:02.4, 39.86N, 140.69E, h11km, mb4.6/26, mb4.9/29, Ms4.7/36, Ms7.4/4/28

GCMT 05 16:19:04.4-0.3, 40.10N, 0.02>140.58E, 0.02, h12km, MW4.7/78, Moment Tensor Solution. s9,c11: s78,c114; Duration: 0 Moment tensor: Scale 10^19Nm; M0: 0.47>0.7; M0: 0.68>0.6; M0: 1.15>1.06; M0: 0.04>1.9; M0: 1.4>0.5; M0: 0.03>1.7; Best double couple: M0: 1.46200e-1016

NP1: 0.289 0.0000, 0.890 0.0000, 1.2 0.0000, NP2: 0.199 0.0000, 0.888 0.0000, 1.180 0.0000, Principal axes: T 1.2270, P1g1.0000, Azm154.0000, N 0.4720, P1g88.0000, Azm295.0000, P -1.6980, P1g1.0000, Azm64.0000, Azm2 refers to body waves, cut=140s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

MOS 05 16:19:05.6-1.0, 39.94N, 140.51E, h37km, mb4.9/37, MS4.1/12 Error ellipse: s-maj=7.9km s-min=5.3km az=88.9

NEIC 05 16:19:07.5-0.6, 39.98N, 140.43E, h38km, 5km, mb4.9/102, Error ellipse: s-maj=5.8km s-min=3.9km az=135.0

NEIC Recorded [3 JMA] in Akita.

ISC 05 16:19:03.9-0.6, 40.00N, 0.03>140.69E, 0.03, h13km, 3km, n40, 1, r51/484, mb4.8/149, MS4.1/28, 17C-10D, Eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data for the event.

Table with columns: YUK, Yuzh-Kuril'sk, Ternei, Time, Res, Pn, S, Smax, MLR. Lists seismic stations and their recorded data for the event.

Table with columns: YAK, comp, Time, Res, Pn, S, Smax, MLR. Lists seismic stations and their recorded data for the event.

5d 16h

DHY	Denali Highway	47.27	eP	P	16 27 37.7 +1.0
GKN	Gorkha	47.28 273	eP	P	16 27 36.2 -1.0
IL1	Eielson Array	47.32 34	eP	P	16 27 37.2 -0.2
ILAR	Eielson Array	47.32 34	eP	P	16 27 37.2 +0.3
ILB	Eielson Array	47.32 34	eP	P	16 27 37.3 +0.5
ILAR	Eielson Array	47.32 34	eP	P	16 27 37.3 +0.5
DANN	Dancing	47.78 274	eP	P	16 27 40.5 -0.8
FYU	Fort Yukon	47.85 31	eP	P	16 27 43.0 +2.1
BVAR	Borovoye Array	48.19 310	P	P	16 27 43.5 -0.2
KOLN	Koldanda	48.19 274	eP	P	16 27 43.4 -1.0
BRVK	Borovoye	48.24 310	eP	P	16 27 43.1 -1.0
BRVK	Borovoye	48.24 310	eP	P	16 27 44.2 +0.1
DIV	Divide	48.28 39	eP	P	16 27 46.0 +1.5
FRU	Blishkek	48.48 296	eP	P	16 27 46.0 -0.2
PRU	Pluthan	48.50 274	eP	P	16 27 45.8 -0.9
KRAB	Krabi	48.66 241	P	P	16 27 48.6 +0.8
SCRK	Sand Creek	48.67 35	eP	P	16 27 48.6 -0.6
PKDT	Phuket	48.84 241	P	P	16 27 55.9 +1.8
EGAK	Eagle	49.75 33	eP	P	16 27 56.8 +1.3
INK	Inuvik	52.02 28	eP	P	16 28 13.3 +0.7
INK	Inuvik	52.02 28	eP	P	16 28 12.7 +0.2
HNR	Honiara	52.32 156	LR	LR	16 49 09.8
SVE	Sverdlövsk	52.57 317	iP	P	16 28 17.2 +0.4
SVL	Sve	52.57 317	iP	P	16 28 17.2 +0.4
PSI	Prapat	52.89 237	P	P	16 28 19.1 -0.7
NIL	Nilore	53.20 286	eP	P	16 28 19.7 -2.2
NIL	Nilore	53.20 286	eP	P	16 28 19.7 -2.2
MTN	Manton Dam	53.32 192	eP	P	16 28 20.7 -2.0
ARU	Arti	53.78 317	eP	P	16 28 24.1 -1.7
ARU	Arti	53.78 317	eP	P	16 28 25.8 +0.1
ARU	Arti	53.78 317	eP	P	16 30 00.7 +1.0
ARU	Arti	53.78 317	eP	P	16 39 43.3 +3.3
ARU	Arti	53.78 317	eP	P	16 30 00.7 +1.0
ABKAR	Abkular array	55.62 308	eP	P	16 28 37.6 -1.6
LEM	Lembang	55.69 221	eP	P	16 28 39.4 -0.9
KBL	Kabul	55.87 289	eP	P	16 28 40.1 -1.4
KBL	Kabul	55.87 289	eP	P	16 28 40.1 -1.4
AKTO	Aktuyubinsk	56.30 310	P	P	16 28 43.7 -0.3
PRGR	Permogore	57.98 326	eP	P	16 28 56.0 +0.3
FITZ	Fitzroy Crossi	58.48 197	eP	P	16 29 05.7 -0.8
FITZ	Fitzroy Crossi	58.48 197	eP	P	16 29 05.5 -1.1
WRAB	Tennant Creek	59.91 187	eP	P	16 29 07.9 -1.6
WRAB	Tennant Creek	59.91 187	eP	P	16 29 08.0 -1.6
WRA	Warramunga Arr	59.92 187	P	P	16 29 07.9 -1.8
WRA	Warramunga Arr	59.92 187	P	P	16 29 55.4 -0.5
WRA	Warramunga Arr	59.92 187	P	P	16 29 55.4 -0.5
ARCES	ARCESS Array B	61.02 339	P	P	16 29 15.6 -1.0
ARCES	ARCESS Array B	61.02 339	P	P	16 29 15.6 -1.0
GEYT	Alibek	61.93 297	P	P	16 29 21.8 -1.6
AS01	Alice Springs	63.65 187	eP	P	16 29 33.0 -1.7
AS31	Alice Springs	63.65 187	eP	P	16 29 33.5 -1.2
ASAR	Alice Springs	63.65 187	eP	P	16 29 33.5 -1.3
ASAR	Alice Springs	63.65 187	eP	P	16 29 33.5 -1.3
MOS	Moscow	64.54 322	eP	P	16 29 42.0 +1.8
A04D	Lummi Island	65.09 46	P	P	16 29 44.2 +0.3
NLWA	Neilton Lookou	65.15 48	P	P	16 29 42.1 -2.4
OBN	Obninsk	65.39 322	eP	P	16 29 45.2 -0.6
OBN	Obninsk	65.39 322	eP	P	16 32 10.3
OBN	Obninsk	65.39 322	eP	P	16 33 40.1
D03D	Eldon	65.52 48	P	P	16 29 49.1 +2.4
B05A	Bryant	65.68 47	P	P	16 29 50.0 +2.2
EIDS	Eidsvold	65.75 170	eP	P	16 29 47.4 -0.9
FINES	FINESS Array B	65.93 331	P	P	16 29 48.2 -0.9
VSR	Storzhoev	66.34 318	eP	P	16 29 53.7 +1.7
E04D	Cinebar	66.35 48	P	P	16 29 54.2 +2.0
PNT	Penitcion	66.45 45	eP	P	16 29 53.4 +0.6
HO4D	Lebanon	67.39 50	P	P	16 30 01.5 +2.7
I03D	Drain, OR	67.49 51	P	P	16 30 01.9 +2.5
SUMG	Summit	67.72 360	eP	P	16 30 00.3 -0.6
SUMG	Summit	67.72 360	eP	P	16 30 00.3 -0.6
G05D	Wamic, OR	67.81 49	P	P	16 30 03.9 +2.4
K02D	Willamette Mer	67.86 52	P	P	16 30 04.2 +2.3
I04A	Tendick Farm,	67.99 51	P	P	16 30 05.0 +2.3
C09A	Chrisman Ranch	68.06 46	eP	P	16 30 04.9 +1.9
HAWA	Hamford	68.17 47	eP	P	16 30 04.4 +0.7
I05D	Terrebonne, OR	68.32 50	P	P	16 30 07.0 +2.3
NEW	Newport	68.41 45	eP	P	16 30 04.9 -0.3
NEW	Newport	68.41 45	eP	P	16 30 04.9 -0.3
NEW	Newport	68.41 45	eP	P	16 30 07.3 +2.0
J04D	Umpqua Nationa	68.49 51	P	P	16 30 07.5 +1.5
KIV	Kislovodsk	68.55 310	eP	P	16 30 04.4 -1.9

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KIV	Kislovodsk	68.55 310	eP	P	16 30 06.8 +0.6
KIV	Kislovodsk	68.55 310	eP	P	16 30 06.8 +0.6
KIB	Khabaz	68.56 309	P	P	16 30 06.5 +0.4
KHMM	Horse Mountain	68.86 54	eP	P	16 30 10.6 +2.3
PINE	Pine Mountain	68.87 50	eP	P	16 30 10.4 +2.0
NEY	Neytrino	68.94 309	eP	P	16 30 09.8 +1.0
L04D	Klamath Falls	68.96 52	P	P	16 30 10.5 +1.7
J05D	Fort Rock, OR	68.99 51	P	P	16 30 11.2 +2.1
M02C	Callahan	69.10 53	P	P	16 30 11.9 +2.2
N02D	Trinity Center	69.43 53	P	P	16 30 14.0 +2.3
M04C	Macdoel	69.50 52	P	P	16 30 14.4 +2.2
GNI	Garni	69.50 306	eP	P	16 30 12.8 +0.5
K05A	Summit Lake	69.52 51	eP	P	16 30 13.7 +1.3
WSAR	Wadi Sarin	69.58 284	P	P	16 30 13.0 +0.1
WALA	Waterton Lakes	69.63 43	eP	P	16 30 12.4 -0.5
F10A	Beach Ranch, E	69.72 47	eP	P	16 30 15.8 +2.3
BANOM	Banah	69.75 287	P	P	16 30 13.7 -0.2
O02D	Mt. Diablo Mer	69.85 54	P	P	16 30 16.3 +2.0
BMO	Blue Mountains	70.34 48	eP	P	16 30 16.8 -0.5
BMO	Blue Mountains	70.34 48	eP	P	16 30 16.8 -0.5
MOD	Modoc Plateau	70.35 52	eP	P	16 30 17.4 0.0
UOSS	Minazif	70.39 286	eP	P	16 30 14.7 -3.1
SOC	Sochi	70.51 311	eP	P	16 30 03.2 -1.5
HATD	Hatta, Dubai	70.51 286	P	P	16 30 18.0 -0.5
ASHO	Ashiyah	70.65 286	P	P	16 30 18.5 -0.9
MSO	Misoula	70.99 44	P	P	16 30 22.4 +1.1
NB2	NORSAR Subarra	71.24 337	P	P	16 30 21.5 -0.9
NOA	NORSAR Array B	71.24 337	P	P	16 30 22.1 -0.2
STKA	Stevens Creek	71.52 179	P	P	16 30 23.9 -0.3
STKA	Stevens Creek	71.52 179	P	P	16 30 23.9 -0.3
STKA	Stevens Creek	71.52 179	P	P	16 30 23.9 -0.3
FFC	Flin Flon	71.52 33	eP	P	16 30 24.2 +0.1
FFC	Flin Flon	71.52 33	eP	P	16 30 24.2 +0.1
BEK	Beckworth	71.53 53	iP	P	16 30 25.7 +1.5
AKAS	Malin Array B	71.61 321	P	P	16 30 24.0 -0.7
AKAS	Malin Array B	71.61 321	P	P	16 30 26.3 +1.6
KIEV	Kiev	71.63 321	eP	P	16 30 23.9 -0.9
AFDM	Forest Hills D	71.70 54	eP	P	16 30 24.9 -0.7
HRY	Holter Researc	72.19 44	eP	P	16 30 29.2 +0.7
PAHR	Pah Rah Range	72.23 53	eP	P	16 30 30.2 +1.3
EGMT	Eagleton	72.43 42	eP	P	16 30 29.9 0.0
EGMT	Eagleton	72.43 42	eP	P	16 30 31.1 +1.3
LRM	Limekiln Ridge	72.43 45	eP	P	16 30 30.7 +0.6
PNTR	Pine Nut	72.47 54	eP	P	16 30 31.4 +1.0
CMB	Columbia Cole	72.62 55	eP	P	16 30 32.4 +1.3
CMB	Columbia Cole	72.62 55	eP	P	16 30 32.4 +1.3
DLMT	Dillon	72.64 45	eP	P	16 30 32.3 +1.0
YERR	Yerington	72.75 53	eP	P	16 30 33.8 +1.7
HLID	Hailey	72.78 47	eP	P	16 30 33.7 +1.6
HLID	Hailey	72.78 47	eP	P	16 30 33.9 +1.8
KLNR	Kalinaring	72.90 328	eP	P	16 30 33.3 +1.0
BOZ	Bozeman (W)	73.02 44	eP	P	16 30 33.8 +0.3
BOZ	Bozeman (W)	73.02 44	eP	P	16 30 33.8 +0.3
BOZ	Bozeman (W)	73.02 44	eP	P	16 30 35.0 +1.5
KVN	Kaisererville	73.42 53	eP	P	16 30 37.5 +1.5
KVN	Kaisererville	73.42 53	eP	P	16 30 37.5 +1.5
RYN	Ryan	73.42 53	eP	P	16 30 37.5 +1.6
NV01	Mina Array Sit	73.67 53	eP	P	16 30 38.6 +1.1
NVAR	Mina Array Bea	73.67 53	eP	P	16 30 38.6 +1.1
NVAR	Mina Array Bea	73.67 53	eP	P	16 30 38.6 +1.1
MLAC	Mammoth, Mammo	73.77 53	eP	P	16 30 41.0 +2.4
GCMT	Greycliff	73.93 43	eP	P	16 30 38.4 -0.4
FRB	Frobisher Bay	74.02 13	LR	LR	17 06 29.7
H17A	Grant Village	74.37 45	P	P	16 30 44.7 +3.2
IMW	Indian Meadow	74.49 45	eP	P	16 30 44.3 +2.0
FLWY	Flagg Ranch	74.50 45	eP	P	16 30 44.7 +2.4
RLMT	Red Lodge	74.54 44	P	P	16 30 44.3 +1.5
FXWY	Fox Creek	74.61 46	eP	P	16 30 44.6 +1.7
LVV	L'vov	74.66 323	eP	P	16 30 52.0 +9.2
MOOW	Moose Ponds	74.70 45	eP	P	16 30 45.6 +2.2
TPAW	Teton Pass	74.75 46	eP	P	16 30 46.4 +2.6
HVU	Hansel Valley	74.84 48	eP	P	16 30 45.8 +1.6
HVU	Hansel Valley	74.84 48	eP	P	16 30 45.8 +1.6
LOHW	Long Hollow	74.86 45	eP	P	16 30 46.8 +2.4
DGMT	Dagmar	74.88 39	P	P	16 30 45.7 +1.6
REDW	Red Top Meadow	74.89 46	eP	P	16 30 45.1 +0.5
PKM	Mchpherson Peak	74.91 57	P	P	16 30 46.4 +1.7
CWC	Cottonwood Cre	75.05 55	P	P	16 30 47.1 +1.6
LAO	LASA Array	75.11 41	eP	P	16 30 46.7 +1.2
LAO	LASA Array	75.11 41	eP	P	16 30 46.9 +1.3

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GRAC	Grapevine Rang	75.15 54	P	P	16 30 47.6 +1.6
ISA	Isabella, Lake	75.29 56	P	P	16 30 47.7 +0.9
R11A	Troy Canyon, C	75.39 52	eP	P	16 30 48.4 +0.9
R11A	Troy Canyon, C	75.39 52	eP	P	16 30 48.9 +1.5
DAC	Darwin (Calif)	75.46 55	eP	P	16 30 49.0 +1.1
DAC	Darwin (Calif)	75.46 55	eP	P	16 30 49.0 +1.1
BUR0	Bucovina Air S	75.64 321	eP	P	16 30 48.2 -0.4
HWUT	Hardware Ranch	75.64 47	eP	P	16 30 49.8 +0.9
MPMC	Manual Prospec	75.66 55	P	P	16 30 50.5 +1.5
FURC	Furnace Creek,	75.80 54	P	P	16 30 51.6 +2.0
DUG	Dugway, Tooele	75.85 49			

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like SDCO Great Sand Dun, ECSD EROS Data Cent, TUC Tucson, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like T43A Greenville, N50A Nevada, O49A Covington, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like LMEL Las Melosas, CLCH Cerro Calan, ROCC El Roble, etc.

JMA 05 16:19:33.3,39:99N:140:60E, h5km₂2km, M4.2, Eastern Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like JAH Hinai, JAH, JKZ Kuzumaki.

IDC 05 16:20:19.0,2.0,3:86N-92:54E, h0km, mb3.4/2, mb1 3.7/4, mb1mx3.4/5.4, mbtm3.5/4, ML3.7/2, Error ellipse: s-maj=61.0km s-min=34.5km az=33.0, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like PALK Pallekele, CMAR Chiang Mai Arr, H08S2 Diego Garcia H, etc.

GUC 05 16:20:41.4,0.7,34:86S:72:70W, h20km,5km, ML4.2 NEIC 05 16:20:41.0,0.0,34:86S:72:70W, h20km, ML4.2(GUC), After GUC

NEIC Feil [I] at Rancagua, ISC 16:20:42.5,2.0,34:94S:0:05,72:67W,0:09, h22km₂16km, n77, c28/40, 3C-1D, Near coast of central Chile

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like GO05 HualaeO, CCHI Chilean, CCSP San Pedro de C.

IDC 05 16:27:42.2,2.1,6:88S:128:85E, h0km, mb3.5/1, mb1 3.5/3, mb1mx3.3/4.0, mbtm3.3/3, ML3.0/2, Error ellipse: s-maj=117.5km s-min=32.6km az=67.0, Banda Sea

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like WRA Warramunga Arr, WRA, ASAR Alice Springs, MKAR Makanchi Arr.

IDC 05 16:32:56.1,1.5,2:27N:123:74E, h0km, mb4.1/4, mb1 4.2/4, mb1mx3.6/36, mbtm4.1/4, Error ellipse: s-maj=185.1km s-min=1.9km az=62.0, ISCJB 05 16:33:23.1,0.7,2:44N:0:08,124:58E,0:07, h288km, mb3.7/4, Error ellipse: s-maj=11.3km s-min=9.2km az=154.6

DJA 05 16:33:23.1,0.7,2:44N:12:16E, h288km,6km, M3.3/6, ML3.3/6

ISC 05 16:33:24.3,1.0,2:42N:0:08,124:58E:0:07, h288km, n10, c169/14, mb3.8/4, Celebes Sea

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like SGGSI Sangihe, KMSI Cibinong, TMTI Ternate, MRSI Marisa, LBMI Labuha, SANI Sanana, WRA Warramunga Arr, ASAR Alice Springs, STKA Sretheng Creek, MKAR Makanchi Arr.

ISCJB 05 16:34:36.1,1.2,26:43S:0:09,177:6W:0:2, h100km, mb3.7/5, Error ellipse: s-maj=29.3km s-min=12.5km az=177.5

IDC 05 16:34:37.3,3.6,26:47S:177:55W, h102km,30km, mb3.5/5, mb1 3.8/6, mb1mx3.5/20, mbtm3.9/6, Error ellipse: s-maj=30.3km s-min=27.6km az=20.0

ISC 05 16:34:37.2,1.1,26:45:0:1,177:6W:0:2, h100km, n8, c084/9, mb3.9/5, South of Fiji Islands

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like RAO Raoul Island, ASAR Alice Springs, WRA Warramunga Arr, VNSA Vanda, MAW Mawson, NVAR Mina Araya Bay, NB2 NORSAR Subarata, NOA NORSAR Arr.

ISK 05 16:46:25.9,39:35N:33:81E, h11km, ML2.0/7, ISCJB 05 16:46:26.0,5.3,39:36N:33:81E:0:04, h5km₂7km, Error ellipse: s-maj=5.2km s-min=4.6km az=27.2

DDA 05 16:46:26.8,39:32N:33:84E, h7km, ML2.5, ISC 05 16:46:26.6,0.9,39:35N:0:03,33:81E:0:03, h10km₂7km, n15, c060/23, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like KAMT Kaman, YAYT Yaylak, YAYX Serefikochisa, SERE Cicekdag, AFRS Af ar-Bala (A), KULU Kulu, AKSY AKSARAY - Altı, KKUL Konya-Kulu, ANTO Ankara, AVNS Nevsehir-Avano, AVNS.

5d 17h

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like CORM, CHBY, ELDT, SULT, YOZ.

NEIC 05 17:11:53.5:0.0, 19:23N:64.45W, h24km, MD2.9(RSPR), After RSPR, RSPR 05 17:11:53.5, 19:23N:64.45W, h24km, MD2.9/3, 7C-2D, Virgin Islands

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like ABV, ANEG, TBVI, STVI, CUPR, CDVI, MTP, HUMP, SMRT, SMC, EJP, CLP, OBIP, ICMP, AGP, CRPR.

NEIC 05 17:12:44.3:0.0, 19:05N:64.32W, h63km, MD3.0(RSPR), After RSPR, RSPR 05 17:12:44.3, 19:05N:64.32W, h63km, MD3.0/4, 4C-4D, Virgin Islands

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like ABV, ANEG, TBVI, STVI, CUPR, CDVI, MTP, HUMP, SMRT, SMC, EJP, CLP, OBIP, ICMP, AGP, CRPR.

IDC 05 17:20:17.9:3.0, 23:31S:179.79E, h490km, 33km, mb3.0/4, mb1.3/4.5, mb1.0m, 1.20, mbmp4.05, Error ellipse: s-maj=53.6km s-min=-22.1km az=165.0, South of Fiji Islands

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like URZ, ASAR, ASAR, WRA, NVAR, TXAR.

SJA 05 17:24:25.1:0.4, 32:58S:72:89W, h6km, 4km, ML3.6, MW3.9

GUC 05 17:24:35.2:0.7, 32:14S:72:06W, h29km, 10km, ML3.5

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like ROC1, CMCH, PEL, CLCH, FCH, LMEH, AUSP, RTLS, ARCO, ASAL, AROD, AAGR, ACCO, RTVC, ACDD, AMOG, AGUA, VCA, MRA.

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Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like TCA, CYA, MRA.

MAN 05 17:26:24.6, 9:62N:125:79E, h9km, mb4.5, ML3.4, MS3.2, Mindanao

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like BUTP, MSLP, BUKP, BESP.

MEX 05 17:32:17.6:0.5, 14:23N:92:07W, h55km, 61km, MD3.5, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like THIG, PCIG.

KRSC 05 17:33:01.1:1.0, 49:65N:156:85E, h60km, 24km, ML3.8, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like SKR, PAU, KDR, ASAK, MTRV, RUS, KRMR, DALK, UGLK, KOK, KRER, SDLR, SPN.

MAN 05 17:39:12.3, 6:23N:125:04E, h34km, mb4.5, ML3.3, MS3.1, Mindanao

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like GSPH, SKMP, DDMP.

MAN 05 17:49:08.7, 11:98N:125:95E, h44km, mb4.6, ML3.5, MS3.3, 1C, Samar

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like BESP, PLP, CNP, OCLP, MSLP, PVCP.

IGCJB 05 17:49:14.6:0.4, 24:49N:122:55E, h84km, 4km, Error ellipse: s-maj=3.6km s-min=2.4km az=175.2

JMA 05 17:49:14.5:0.1, 24:47N:122:55E, h89km, 1km, M2.3

TAP 05 17:49:14.5, 24:52N:122:56E, h90km, ML3.4, C

ISC 05 17:49:14.6:1.3, 24:50N:122:55E, h88km, 7km, n87, 08711/49, 2C-5D, Taiwan region

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like JYNG, EOS1, YOJ, YOJ, TWC, EGS, TWB1, NANB, ENA, ILA, TWE, NWF, NWF, WFSB, ENT, ENT, NACB, NACB, TWD, TWD, TWA, TWA, HWA, HWA, NNSB.

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Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like NNSB, NNS, NNS, TATO, TATO, TAP1, TAP1, YM07, YHNB, YHNB, IRIF, IRIF, NSK, NSK, YM01, YM11, YM11, YM08, YM08, YM08, YM10, YM10, YM05, YM05, YM04, YM04, YM03, YM03, TWY, TWY, TWS1, TWS1, NTST, NTST, WHF, WHF, ESL, ESL, HATJ, HATJ, WLBT, WLBT, TWT, TWT, TDCB, TDCB, EGFB, EGFB, NCU, NCU, NCU, NCU, CHGB, CHGB, JKRS, JKRS, LIOB, LIOB, NSTT, NSTT, NSTT, NSTT, HGSD, HGSD, SBBC, SBBC, JIJ, JIJ, EHY, EHY, YULB, YULB, NMLH, NMLH, NMLH, NMLH, JISG, JISG, TWFI, TWFI, TWF1, TWF1, SSLB, SSLB, SMLT, SMLT, SMLT, SMLT, TWQ1, TWQ1, TWQ1, TWQ1, FULB, FULB, FULB, FULB, TCU, TCU, CHKT, CHKT, CHKT, CHKT, YUS, YUS, YUS, YUS, WNT, WNT, ELDTW, ELDTW, CHNS, CHNS, CHNS, CHNS, JTJ, JTJ, STYT, STYT, STYT, STYT.

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

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

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

ISCJB 05 17:55:59.40.5, 15:55S:0:04:70:71W:0:07, h167km, mb4.2/8, Error ellipse: s-maj=9.2km s-min=5.1km az=163.5

NEIC 05 17:56:01.6:0.7, 15:59S:70:75W, h184km, mb4.5/5, Error ellipse: s-maj=13.0km s-min=7.8km az=96.0

IDC 05 17:56:05.2:1, 15:53S:70:44W, h202km, 17km, mb3.7/5, mb1 3.7/8, mb1mx3.3/3, mbtpm4.1/8, Error ellipse: s-maj=29.1km s-min=22.2km az=97.0

ISC 05 17:56:00.6:0.6, 15:67S:0:05:70:86W:0:07, h167km, n29, c189/39, mb4.2/8, Southern Peru

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

NEIC 05 18:03:40.0:0.0, 50:16N:179:07E, h26km, ML2.7(AEIC), After AEIC, Rat Islands

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

ISCJB 05 18:08:17.2:0.2, 6:71S:0:02:129:63E:0:03, h150km, mb4.8/36, Error ellipse: s-maj=3.7km s-min=3.2km az=159.4

BUI 05 18:08:18.0:1.0, 6:64S:129:75E, h163km, mb4.6/40, MB4.8/27

NEIC 05 18:08:19.9:0.4, 6:66S:129:55E, h162km, 4km, mb5.0/66, Error ellipse: s-maj=4.6km s-min=3.7km az=54.0

IDC 05 18:08:20.1:1.3, 6:66S:129:54E, h160km, 11km, mb4.2/18, mb1 4.2/20, mb1mx4.1/32, mbtpm4.7/20, MS3.3/3, Ms1 3.3/3, ms1mx2.8/34, Error ellipse: s-maj=12.6km s-min=8.5km az=69.0

DJA 05 18:08:22.2:0.2, 7:52S:13:0E, h147km, 3km, M5.0/25,

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

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

ICCO	Coco Island	8.69 147	eP	Pn	18 25 00.8 +2.3	347A	Saraland	18.59 9	P	Pn	18 27 10.4 +0.3	253A	Americus	20.26 19	eP	P	18 27 26.9 -1.2
UNM	Universidad Na	9.55 313	ePn	Pn	18 25 14.6 +3.9	347A	baz=189,SNR=7.3		S	S	18 30 43.4 +2.9	253A	Americus	20.26 19	P	P	18 27 27.6 -0.5
UNM	Universidad Na	9.55 313	ePn	Pn	18 25 14.6 +3.9	554A	baz=189	18.61 22	P	P	18 27 09.0 -1.0	244A	Pea Ridge, Bel	20.27 3	P	P	18 27 28.1 +0.1
MOIG	Morilella	11.27 308	ePn	Pn	18 25 36.9 +2.0	BRAL	Brewton	18.64 13	eP	P	18 27 10.4 +0.1	Z40A	Long Farm, Mag	20.27 356	P	P	18 27 28.2 +0.1
JRQC	Jurejilla Cam	11.35 314	ePn	Pn	18 25 38.2 +3.8	BRAL	comp=Z,450nm,1.2s		P	P	18 27 10.3 +0.1	SLBS	Sierra La Lago	20.29 304	eP	Pn	18 27 31.0 +0.4
WBCA	West Bay Gran	11.80 56	ePn	Pn	18 25 41.9 +0.6	BRRC	baz=193,SNR=8.3	18.67 106	eP	Pn	18 27 13.9 +2.7	Z46A	Louisville	20.31 7	P	P	18 27 28.9 +0.3
BCIP	Isla Barro Col	12.27 107	ePn	Pn	18 25 48.8 +1.2	758A	Lake Helen	18.70 30	P	P	18 27 09.3 -1.7	356A	Blanchard	20.31 24	P	P	18 27 29.3 -0.8
BCIP	Isla Barro Col	12.27 107	ePn	Pn	18 25 48.9 +1.3	348A	comp=Z,286nm,1.0s	18.71 10	eP	Pn	18 27 11.4 +0.2	Z45A	Worship, 215nm, 1.1s	20.41 5	eP	P	18 27 29.2 -0.4
AZU	Azuro	12.38 113	eP	Pn	18 25 54.2 +5.0	348A	Jackson	18.71 10	P	Pn	18 27 11.7 -0.2	Z45A	Winona	20.41 5	P	P	18 27 29.7 0.0
UPA	Univ. de Panam	12.61 107	eP	Pn	18 25 53.4 +1.1	349A	Repton	18.78 12	P	P	18 27 12.3 +0.1	Z47A	Carrollton	20.43 9	P	P	18 27 30.0 +0.1
PAVG	Puerto Ayora	13.62 174	ePn	Pn	18 26 08.0 +1.9	243X	Waterproof	18.84 1	P	P	18 27 12.1 -0.4	254A	Abbeville	20.43 21	P	P	18 27 29.6 -0.3
LNIG	Lineas	13.95 330	ePn	Pn	18 26 12.4 +1.9	NATX	baz=180,SNR=15		P	P	18 27 12.5 -0.8	LRAL	Lakeview Retre	20.45 11	eP	P	18 27 30.0 -0.1
ZAIG	Zacatecas	14.62 175	ePn	Pn	18 26 16.4 +2.2	NATX	Nacogdoches	18.91 352	eP	P	18 27 12.9 -0.4	LRAL	Lakeview Retre	20.45 11	P	P	18 27 30.6 +0.5
MTDJ	Mount Denham	14.65 67	ePn	Pn	18 26 19.2 -1.0	657A	Interlachen	18.91 27	P	P	18 27 11.7 -1.6	AGZ	La Independenc	20.62 111	eP	Pn	18 27 33.9 -0.6
CAPC	Capurgana	14.77 105	eP	Pn	18 26 20.1 -1.6	555A	McAlpin	18.91 24	P	P	18 27 12.5 -0.8	152A	Waverly Hall	20.65 17	eP	P	18 27 32.2 0.0
062Z	Marathon	15.46 39	P	Pn	18 26 31.4 +0.5	JCT	Junction City	18.97 338	eP	Pn	18 27 15.1 +0.3	152A	Waverly Hall	20.65 17	P	P	18 27 32.7 +0.5
KVZX	Kingsville	15.62 339	ePn	Pn	18 26 33.8 +0.9	JCT	Junction City	18.97 338	P	Pn	18 27 15.2 +0.4	357A	Townsend	20.66 26	P	P	18 27 31.3 -1.2
MOTC	Monterria, Cord	16.32 103	eP	Pn	18 26 42.0 +0.1	ROSC	El Paso	18.99 114	eP	Pn	18 27 15.8 +0.3	WLAR	White Oak Lake	20.68 357	eP	P	18 27 32.5 -0.1
DBBC	Dabeiba	16.38 110	eP	Pn	18 26 48.7 +3.1	241A	Mo Tay, Golden	19.01 357	eP	P	18 27 14.7 +0.3	Z48A	Northport	20.68 10	P	P	18 27 32.7 +0.1
061Z	Ochopoi	16.40 37	ePn	Pn	18 26 42.5 -0.3	241A	Mo Tay, Golden	19.01 357	P	P	18 27 14.7 +0.3	TAMC	Time Around	20.69 106	eP	P	18 27 32.6 -0.3
061Z	Ochopoi	16.40 37	P	Pn	18 26 40.3 -2.6	PRAC	Prado	19.02 117	eP	Pn	18 27 16.6 +1.1	Z49A	Columbiana	20.70 12	P	P	18 27 33.2 +0.4
059Z	Ave Maria	16.45 34	P	Pn	18 26 41.6 -2.0	242A	Grayson	19.02 359	P	Pn	18 27 16.5 0.0	255A	Hazlehurst	20.71 23	eP	P	18 27 31.4 -1.5
645A	Chauvin	16.46 4	P	Pn	18 26 42.1 -1.5	244A	Awes Jackson	19.02 3	P	P	18 27 14.6 +0.1	255A	Hazlehurst	20.71 23	P	P	18 27 31.8 -1.1
UREC	San Jos de U	16.75 106	eP	Pn	18 26 48.0 +0.5	556A	Lake Butler	19.04 26	P	P	18 27 13.8 -0.9	LPIG	La Paz	20.78 305	P	Pn	18 27 36.1 -0.1
058A	Arcadia	16.84 32	P	Pn	18 26 46.3 -2.2	350A	Doyle	19.04 14	P	P	18 27 14.5 -0.2	Y42A	Garnett, 215nm, 0.9s	20.79 360	P	P	18 27 33.4 -0.3
833A	Chaparral WMA,	16.88 336	ePn	Pn	18 26 49.0 0.0	658A	Bunnell	19.06 29	eP	P	18 27 12.9 -2.0	Y41A	Eagleette Beard	20.85 358	P	P	18 27 34.2 -0.2
833A	Chaparral WMA,	16.88 336	P	Pn	18 26 48.2 -0.8	658A	Bunnell	19.06 29	P	P	18 27 13.8 -1.1	CCAR	Cane Creek	20.87 360	eP	P	18 27 35.0 +0.3
060Z	West Palm Beac	17.01 36	P	Pn	18 26 48.5 -2.2	245A	Little AP, Sta	19.07 5	P	P	18 27 14.9 -0.1	ABTX	Abilene, Hawle	20.88 341	eP	P	18 27 35.4 +0.6
545A	Edgard	17.05 4	P	Pn	18 26 50.2 -0.8	HPIG	comp=Z,276nm,1.7s	19.08 319	eP	Pn	18 27 16.7 +0.4	ABTX	Abilene, Hawle	20.88 341	P	P	18 27 35.7 +0.9
543A	St. Martinville	17.05 360	ePn	Pn	18 26 52.1 -0.6	453A	Whigham	19.09 20	eP	Pn	18 27 15.8 -0.3	Y43A	Makayla and Ka	20.88 2	P	P	18 27 34.3 -0.4
543A	St. Martinville	17.05 360	P	Pn	18 26 50.1 -1.0	453A	Whigham	19.09 20	Pn	Pn	18 27 15.8 -0.3	Z50A	Ashland	20.89 14	eP	P	18 27 34.5 -0.5
541A	Lake Charles	17.08 356	ePn	Pn	18 26 51.2 -0.3	240A	Hunter Patters	19.09 355	eP	P	18 27 15.2 -0.1	Z50A	Ashland	20.89 14	P	P	18 27 35.1 +0.2
541A	Lake Charles	17.08 356	P	Pn	18 26 51.4 -0.1	240A	Hunter Patters	19.09 355	P	P	18 27 15.4 +0.2	153A	Fort Valley	20.90 19	P	P	18 27 34.6 -0.3
544A	White Castle	17.08 2	P	Pn	18 26 51.3 -0.5	351A	Pinckard	19.09 16	P	P	18 27 14.9 -0.4	Y45A	Yeager Farm, C	20.91 5	P	P	18 27 35.1 0.0
542A	Morse	17.11 358	P	Pn	18 26 51.3 -0.5	246A	Jackson Lee, B	19.12 7	P	P	18 27 15.5 -0.1	Y44A	Strider, Charl	20.96 4	P	P	18 27 35.1 -0.4
059A	Moore Haven	17.11 34	ePn	Pn	18 26 51.1 -0.8	GIRC	Giron, Santand	19.16 106	eP	P	18 27 16.6 +0.2	256A	Glennville	20.99 24	P	P	18 27 35.2 -0.7
059A	Moore Haven	17.11 34	P	Pn	18 26 50.1 -1.8	VBMS	Vicksburg	19.21 3	P	P	18 27 16.5 -0.1	Y46A	Houston	21.00 7	P	P	18 27 35.6 -0.4
957A	Wimauma	17.12 30	ePn	Pn	18 26 49.7 -2.3	LGNH	L Oogne	19.22 71	eP	P	18 27 15.6 -1.2	Y40A	Okolona	21.01 356	P	P	18 27 35.7 -0.5
957A	Wimauma	17.12 30	P	Pn	18 26 49.9 -2.2	247C	Quitman	19.23 8	P	P	18 27 17.2 +0.5	154A	Montrose	21.10 21	eP	P	18 27 36.9 -0.3
SMRC	Santa Marta, M	17.22 94	eP	P	18 26 56.0 +1.2	453A	Whigham	19.23 8	P	P	18 27 17.2 +0.5	154A	Montrose	21.10 21	P	P	18 27 36.4 -0.8
PLMIC	San Jos del	17.22 116	eP	P	18 26 55.3 +0.4	240A	Hunter Patters	19.09 355	eP	P	18 27 15.2 -0.1	SDV	Santo Domingo	21.11 99	eP	P	18 27 38.1 +0.5
958A	Wauchula	17.29 31	P	Pn	18 26 51.6 -2.6	240A	Hunter Patters	19.09 355	P	P	18 27 15.4 +0.2	SDV	Santo Domingo	21.11 99	eP	P	18 27 37.8 +0.2
546A	Slidell	17.30 6	P	Pn	18 26 52.3 -1.9	351A	Pinckard	19.09 16	P	P	18 27 14.9 -0.4	SDV	Santo Domingo	21.11 99	eP	P	18 27 37.8 +0.2
HELK	Santa Helena	17.33 111	eP	Pn	18 26 58.0 +1.6	246A	Jackson Lee, B	19.12 7	P	P	18 27 15.5 -0.1	SDV	Franklin	21.14 15	P	P	18 27 37.6 0.0
HKT	Hockley	17.34 348	ePn	Pn	18 26 54.2 -0.4	BARC	Barichara	19.34 107	eP	P	18 27 23.3 +3.7	Y47A	UCPARC, Winfri	21.15 9	P	P	18 27 37.6 0.0
HKT	Hockley	17.34 348	eP	Pmax	18 26 54.2 -0.4	557A	Orange Park	19.34 27	P	P	18 27 16.8 -1.2	Z52A	Williamson	21.22 17	P	P	18 27 38.2 -0.2
ZARC	Zaragoza, Cauc	17.47 106	eP	P	18 26 57.3 -0.2	248A	Dixon Mills	19.40 10	P	P	18 27 18.9 +0.2	BANI	BANI	21.27 73	eP	P	18 27 37.3 -1.9
060A	Indiantown	17.60 36	ePn	Pn	18 26 56.5 -1.6	249A	Camen	19.40 12	P	P	18 27 19.2 +0.5	Y48A	Jasper	21.27 11	P	P	18 27 38.8 -0.2
060A	Indiantown	17.60 36	P	Pn	18 26 56.1 -2.0	455A	Stateville	19.45 23	P	P	18 27 18.7 -0.5	Z52A	Williamson	21.22 17	P	P	18 27 38.8 -0.8
857A	Zephyrhills	17.63 29	P	Pn	18 26 56.3 -0.0	352A	Blakely	19.47 18	eP	P	18 27 19.6 +0.1	257A	Skidaway Islan	21.33 26	eP	P	18 27 38.8 -0.8
HORQ	Saladito	17.66 121	eP	P	18 26 57.0 +0.1	142A	Monroe	19.51 359	P	P	18 27 21.7 +0.1	155A	Kite	21.34 22	P	P	18 27 38.4 -1.2
442A	Mamou	17.68 358	P	P	18 26 57.7 -1.3	FLOC	Florence	19.53 124	eP	Pn	18 27 24.6 +3.0	Y49A	Blount Mountai	21.37 12	eP	P	18 27 39.7 -0.3
959A	Okeechobee	17.70 33	P	Pn	18 26 57.7 -1.5	PAMC	Pampa, Colo	19.54 105	eP	P	18 27 22.6 +0.3	Y49A	Blount Mountai	21.37 12	P	P	18 27 39.8 -0.2
444A	Pine Grove	17.70 3	P	Pn	18 26 59.6 -0.3	353A	Camilla	19.57 20	P	P	18 27 21.0 +0.4	X41A	Kaden, Bauxite	21.46 358	eP	P	18 27 39.9 -1.1
443A	Delano Plantat	17.73 360	P	Pn	18 26 59.2 -0.3	140A	Cam and Jess,	19.67 355	eP	P	18 27 21.4 -0.2	X40A	Basin Creek Fa	21.46 358	eP	P	18 27 40.0 -0.9
445A	Amite	17.74 4	P	Pn	18 26 58.3 -1.4	140A	Cam and Jess,	19.67 355	P	P	18 27 21.7 +0.1	X40A	Basin Creek Fa	21.46 358	P	P	18 27 39.8 -1.2
441A	DeRidder	17.76 356	P	Pn	18 26 59.8 -0.2	140A	Cam and Jess,	19.67 355	P	P	18 27 21.7 +0.1	X45A	UM Field Stati	21.48 5	P	P	18 27 39.9 -1.2
GUYC	Guyana, Colomb	17.86 114	eP	Pn	18 27 07.3 +4.9	250A	Grady	19.59 14	P	P	18 27 20.0 0.0	X43A	Marvell	21.48 2	eP	P	18 27 40.4 -0.8
DWPF	Disney Wildern	17.89 31	ePn	Pn	18 27 00.3 -1.2	CHIC	Chingaza	19.61 113	eP	Pn	18 27 28.6 +5.6	X44A	Crenshaw	21.50 4	P	P	18 27 40.1 -1.2
DWPF	Disney Wildern	17.89 31	P	Pn	18 26 59.7 -1.8	144A	Alexander Plac	19.62 3	P	P	18 27 20.6 -0.5	X42A	Stuttgart	21.50 0	P	P	18 27 40.9 -0.5

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X47A	Russellville	21.75	9	P	P	18 27 43.2	-1.0
Z54A	Sparta	21.76	20	P	P	18 27 43.5	-0.7
X48A	Hartselle	21.82	10	eP	P	18 27 43.8	-1.1
X48A	Hartselle	21.82	10	P	P	18 27 44.0	-0.8
Y52A	Liburn	21.96	17	eP	P	18 27 45.9	-0.5
Y52A	Liburn	21.96	17	eS	P	18 31 47.8	+0.1
Z55A	Blythe	22.00	22	P	P	18 27 45.8	-1.0
X49A	Woodville	22.02	12	P	P	18 27 46.3	-0.7
W43A	Forest City	22.06	2	P	P	18 27 46.2	-1.1
Y53A	Monroe	22.09	18	P	P	18 27 47.1	-0.7
X50B	Fort Payne	22.11	13	P	P	18 27 47.5	-0.6
W41B	Gary Mavity, V	22.13	359	eP	P	18 27 46.9	-1.3
W41B	Gary Mavity, V	22.13	359	P	P	18 27 46.7	-1.4
MET	Memphis-Engin	22.13	4	eP	P	18 27 47.6	-0.6
W44A	Shelby Farms P	22.16	4	P	P	18 27 45.9	-2.5
W40A	Ferguson Farm	22.18	357	eP	P	18 27 47.5	-1.0
W40A	Ferguson Farm	22.18	357	P	P	18 27 47.6	-1.0
PLAL	Pickwick Lake	22.18	8	eP	P	18 27 46.9	-1.9
CLNB	Carlsbad	22.21	332	eP	P	18 27 49.9	+0.6
W39A	Magazine	22.22	356	eP	P	18 27 48.7	-0.5
W39A	Magazine	22.22	356	P	P	18 27 48.7	-0.5
W42A	Bald Knob	22.22	0	P	P	18 27 48.0	-1.1
W45A	Hickory Valley	22.23	6	P	P	18 27 47.0	-2.2
W46A	Michie	22.29	7	P	P	18 27 47.6	-2.3
Y54A	Tignall	22.39	20	P	P	18 27 49.6	-1.3
GD1L	Guadalupe Moun	22.39	331	eP	P	18 27 52.5	+1.3
X51A	Calhoun	22.40	15	P	P	18 27 50.1	-1.0
X51A	Calhoun	22.40	15	P	P	18 27 50.1	-1.0
MNTX	Cornudas Mount	22.48	328	eP	P	18 27 52.3	+0.3
MNTX	Cornudas Mount	22.48	328	LR	LR		
MNTX	Cornudas Mount	22.48	328	P	P	18 27 52.8	+0.7
RGRS	Roger Stewart	22.49	26	eP	P	18 27 51.6	-0.5
W48A	Pulaski	22.51	10	P	P	18 27 51.2	-1.1
W47A	Westpoint	22.51	9	P	P	18 27 50.7	-1.6
HBAR	Harrisburg	22.52	2	eP	P	18 27 51.5	-0.9
WMOK	Wichita Mounta	22.61	345	eP	P	18 27 51.9	-1.4
WMOK	Wichita Mounta	22.61	345	LR	LR		
WMOK	Wichita Mounta	22.61	345	eP	P	18 27 51.9	-1.4
WMOK	Wichita Mounta	22.61	345	eP	P	18 27 52.0	-1.4
WMOK	Wichita Mounta	22.61	345	P	P	18 27 52.0	-1.4
CSU	Charleston Sou	22.61	26	eP	P	18 27 52.3	-1.0
W49A	Belvidere	22.62	12	P	P	18 27 52.3	-1.1
NHSC	New Hope	22.67	26	eP	P	18 27 53.0	-1.0
NHSC	New Hope	22.67	26	LR	LR		
NHSC	New Hope	22.67	26	P	P	18 27 52.9	-1.0
X52A	Dahlonega	22.70	17	P	P	18 27 53.1	-1.2
V41A	Mountainview	22.74	359	P	P	18 27 53.0	-1.6
V42A	Cord	22.76	1	P	P	18 27 53.0	-1.9
V43A	Jonesboro	22.76	3	P	P	18 27 53.0	-1.9
V40A	Witts Springs	22.77	358	eP	P	18 27 53.2	-1.9
V40A	Witts Springs	22.77	358	P	P	18 27 53.5	-1.6
SWET	Sewanee	22.78	12	eP	P	18 27 54.0	-1.1
X53A	Estanollee	22.78	18	P	P	18 27 54.1	-1.0
V45A	Humboldt	22.83	6	P	P	18 27 53.2	-2.4
V44A	Blytheville	22.84	4	P	P	18 27 54.0	-1.7
V39A	Pettigrew	22.85	356	P	P	18 27 54.3	-1.6
CPRX	Cap Rock	22.86	337	eP	P	18 27 57.0	+0.9
HODGE	Hodges	22.87	21	eP	P	18 27 54.8	-1.3
W50A	Signal Mountai	22.90	14	eP	P	18 27 54.9	-1.5
W50A	Signal Mountai	22.90	14	P	P	18 27 55.2	-1.2
HALT	Halls	22.96	5	eP	P	18 27 56.0	-0.9
GNAR	Gosnell	22.96	4	eP	P	18 27 55.6	-1.4
V46A	Holladay	22.98	8	P	P	18 27 55.1	-2.1
W51A	Cleveland	22.99	15	P	P	18 27 56.5	-0.8
V47A	Nunnely	23.09	9	P	P	18 27 56.6	-1.7
V48A	Smith Brothers	23.12	10	eP	P	18 27 57.0	-1.6
V48A	Smith Brothers	23.12	10	P	P	18 27 57.2	-1.4
EPT	El Paso	23.13	326	eP	P	18 27 59.4	+0.5
W52A	Murphy	23.15	16	eP	P	18 27 58.1	-0.8
W52A	Murphy	23.15	16	P	P	18 27 58.1	-0.8
TUL1	Leonard	23.15	352	eP	P	18 27 58.5	-0.5
TUL1	Leonard	23.15	352	P	P	18 27 58.7	-0.2
MSTX	Muleshoe	23.21	336	eP	P	18 27 59.7	+0.1
MSTX	Muleshoe	23.21	336	P	P	18 27 59.6	-0.1
JSC	Jenkinsville	23.27	22	eP	P	18 27 58.8	-1.3
U41A	Viola	23.29	360	P	P	18 27 58.8	-1.5
U42A	Reviden	23.30	1	P	P	18 27 58.6	-1.8
HHAR	Hobbs	23.31	355	eP	P	18 27 58.8	-1.7
V49A	McMininville	23.32	12	P	P	18 27 59.1	-1.5
GLAT	Glass	23.32	5	eP	P	18 27 59.6	-1.1
U40A	Yelville	23.32	358	P	P	18 27 58.9	-1.8
CPCT	Cooper Cave	23.33	15	eP	P	18 27 59.8	-1.0
WVT	Waverly	23.34	8	eP	P	18 27 58.5	-2.4
WVT	Waverly	23.34	8	P	P	18 27 58.5	-2.4
WVT	Waverly	23.34	8	P	P	18 27 58.8	-2.0

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BG3	Lake Jocassee	23.35	18	eP	P	18 27 60.0	-0.9
U3A	Rector	23.35	3	P	P	18 27 58.8	-2.1
U39A	Green Forest	23.38	356	P	P	18 27 59.5	-1.8
U44B	Burton Farm, H	23.39	5	P	P	18 27 59.4	-1.8
V50A	Pikeville	23.40	14	P	P	18 28 00.3	-1.1
UTMT	University of	23.43	6	eP	P	18 28 00.5	-1.2
W53A	Cullowee	23.44	18	P	P	18 28 01.3	-0.7
U45A	Rockin P Farm,	23.45	6	P	P	18 27 59.4	-2.5
U44A	Portageville	23.52	4	P	P	18 28 00.1	-2.5
U46A	Springville	23.52	7	P	P	18 28 00.8	-1.8
PAUL	Pauline	23.55	21	eP	P	18 28 01.9	-1.0
AMTX	Amarillo	23.62	339	eP	P	18 28 04.0	+0.3
AMTX	Amarillo	23.62	339	P	P	18 28 03.8	+0.1
PARMO	Parma	23.68	4	eP	P	18 28 03.2	-0.9
V51A	Loudon	23.71	15	eP	P	18 28 03.6	-0.8
V51A	Loudon	23.71	15	P	P	18 28 03.7	-0.8
TKL	Tuckaleechee C	23.72	16	P	P	18 28 04.2	-0.4
TKL	Tuckaleechee C	23.72	16	P	P	18 28 04.1	-0.4
U47A	Clarksville	23.73	9	P	P	18 28 02.7	-1.9
PBMO	Poplar Bluff	23.75	3	eP	P	18 28 03.2	-1.6
U48A	Cassie Pea, P	23.92	10	P	P	18 28 05.0	-1.4
SRIG	Santa Rosalia	23.92	310	eP	P	18 28 07.9	+1.3
V52A	Sevierville	23.94	16	eP	P	18 28 05.7	-1.0
V52A	Sevierville	23.94	16	P	P	18 28 05.8	-0.8
ATAH	Atahola	23.96	146	P	P	18 28 09.4	+2.0
ATAH	Atahola	23.97	315	LR	LR	18 35 41.9	
HSIG	comp-Z,2um,20.1s	baz=315,slow=32				18 28 07.4	+0.4
T42A	Van Buren	23.98	1	eP	P	18 28 05.4	-1.6
T42A	Van Buren	23.98	1	P	P	18 28 05.4	-1.6
T41A	Mountain View	23.99	360	P	P	18 28 05.9	-1.2
V53A	Saluda	24.01	18	eP	P	18 28 06.8	-0.5
V53A	Saluda	24.01	18	P	P	18 28 06.8	-0.5
KMSC	Kings Mountain	24.01	21	eP	P	18 28 06.7	-0.7
KMSC	Kings Mountain	24.01	21	P	P	18 28 06.2	-1.1
T39A	Cleaver	24.02	357	P	P	18 28 05.7	-1.6
U49A	Red Boiling Sp	24.06	12	P	P	18 28 06.6	-1.2
T43A	Greenville	24.06	3	P	P	18 28 06.1	-1.6
T38A	Diamond	24.09	355	P	P	18 28 06.4	-1.6
T44A	Benton	24.11	4	P	P	18 28 06.9	-1.3
T45A	Paducah	24.12	6	eP	P	18 28 07.1	-1.2
T45A	Paducah	24.12	6	P	P	18 28 06.7	-1.6
U50A	Jamestown	24.17	14	P	P	18 28 07.8	-1.0
T46A	Princeton	24.23	8	P	P	18 28 08.0	-1.4
CRPR	Cabo Rojo, PR	24.25	75	eP	P	18 28 06.8	-2.8
MPR	Mayaguez	24.25	74	eP	P	18 28 06.4	-3.2
AGP	Aguadilla	24.28	74	eP	P	18 28 14.0	+4.0
T47A	Sharon Grove	24.29	9	eP	P	18 28 08.5	-1.3
T47A	Sharon Grove	24.29	9	P	P	18 28 08.7	-1.2
U51A	La Follette	24.34	15	P	P	18 28 09.6	-0.7
121A	Cookes Peak, D	24.41	326	P	P	18 28 13.7	+2.5
319A	Douglas	24.43	321	eP	P	18 28 13.1	+1.7
U52A	Thorn Hill	24.52	16	P	P	18 28 11.0	-1.0
T48A	Bowling Green	24.53	10	P	P	18 28	

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BBGH	Gun Hill	31.34	86	PFAKE	LR	LR	18 29 20.0	+6.8
TMUT	Trail Mountain	31.39	330	eP	P		18 29 14.2	+0.5
BBRS	BB Station	31.41	48	eP	P		18 29 12.6	-1.0
BRNJ	Basking Ridge	31.46	25	eP	P		18 29 13.2	-0.8
TCRU	Three Creeks R	31.48	328	eP	P		18 29 16.5	+2.0
SHPR	Sheep Range	31.50	322	eP	P		18 29 16.1	+1.5
H42A	Shiocton	31.57	4	eP	P		18 29 13.7	-1.2
H42A	Shiocton	31.57	4	P	P		18 29 13.3	-1.6
SCI2	San Clemente I	31.57	314	P	P		18 29 16.9	+1.8
H40A	Chili	31.58	2	P	P		18 29 13.8	-1.2
H43A	Windswept, Lux	31.59	5	P	P		18 29 14.4	-0.7
H41A	Junction City	31.61	3	P	P		18 29 13.9	-1.3
H41A	Junction City	31.61	3	P	P		18 29 13.4	-1.8
RRX	Barstow	31.61	318	P	P		18 29 17.3	+1.9
H38A	Maiden Rock	31.62	359	P	P		18 29 14.5	-0.8
H39A	Augusta	31.62	1	P	P		18 29 14.2	-1.2
RWWY	Rawlins	31.65	338	eP	P		18 29 17.1	+1.1
BFSC	Mount Baldy Ra	31.67	316	P	P		18 29 17.9	+1.8
CIS	Catalina Islan	31.71	314	P	P		18 29 18.4	+2.0
KSPA	Keystone Colle	31.72	23	eP	P		18 29 15.1	-1.2
GSC	Goldstone, Bar	31.74	319	eP	P		18 29 12.7	-4.0
GSC	Goldstone, Bar	31.74	319	eP	P		18 29 12.7	-4.0
GSC	Goldstone, Bar	31.74	319	P	P		18 29 19.0	+2.3
ODNJ	Ogdensburg	31.78	25	eP	P		18 29 15.3	-1.5
SHOC	Shoshone, Teco	31.78	320	P	P		18 29 18.8	+1.9
FMP	Fort Macarthur	31.80	315	P	P		18 29 19.0	+1.9
CPNY	Central Park	31.81	26	eP	P		18 29 15.2	-1.8
MWC	Mount Wilson	31.93	316	eP	P		18 29 20.3	+1.9
MWC	Mount Wilson	31.93	316	eP	P		18 29 20.3	+1.9
PASC	Padena Art C	31.98	316	eP	P		18 29 20.5	+1.8
SUSD	Millier	31.98	350	P	P		18 29 17.7	-0.9
MMNY	Mt. Morris Dam	32.00	19	eP	P		18 29 17.5	-1.1
PAL	Palisades	32.01	26	eP	P		18 29 17.0	-1.8
PAL	Palisades	32.01	26	eP	P		18 29 17.0	-1.8
PAL	Palisades	32.01	26	eP	P		18 29 17.5	-1.3
G38A	Ridgeland	32.11	360	P	P		18 29 18.1	-1.5
DECC	Green Verdugo	32.13	316	P	P		18 29 22.0	+2.0
MPU	Maple Canyon	32.15	331	eP	P		18 29 22.8	+2.5
PSUT	Pine Spring	32.17	326	eP	P		18 29 22.4	+1.9
SPMN	Marine on St.	32.17	359	eP	P		18 29 19.4	-0.8
SPMN	Marine on St.	32.17	359	P	P		18 29 19.3	-0.8
BINY	Binghamton	32.19	22	eP	P		18 29 19.2	-1.2
BINY	Binghamton	32.19	22	P	P		18 29 19.0	-1.5
G41A	Antigo	32.22	3	P	P		18 29 19.3	-1.4
G39A	Holcombe	32.23	1	P	P		18 29 19.4	-1.3
G40A	Rib Lake	32.23	2	eP	P		18 29 18.3	-2.4
K22A	Casper	32.25	339	eP	P		18 29 22.6	+1.5
K22A	Casper	32.25	339	P	P		18 29 22.2	+1.2
EDW2	Edwards Air Fo	32.27	317	P	P		18 29 22.8	+1.6
G42A	Mountain	32.30	4	eP	P		18 29 19.7	-1.6
G42A	Mountain	32.30	4	P	P		18 29 20.1	-1.3
NLU	North Lily Min	32.32	330	eP	P		18 29 23.5	+1.7
NLU	Grayling	32.34	9	eP	P		18 32 10.7	+1.1
GLMI	Grayling	32.34	9	eP	P		18 29 20.4	-1.3
GLMI	Grayling	32.34	9	P	P		18 29 20.2	-1.5
G43A	Wallace	32.38	5	eP	P		18 29 20.6	-1.4
G43A	Wallace	32.38	5	P	P		18 29 21.6	-0.4
SNCC	San Nicolas Is	32.41	313	eP	P		18 29 22.6	+0.2
SNCC	San Nicolas Is	32.41	313	P	P		18 29 23.3	+0.9
LRMC	Laurel Mtn Rad	32.42	318	P	P		18 29 24.7	+2.0
TPNV	Topopah Spring	32.45	322	eP	P		18 29 24.9	+2.0
TPNV	Topopah Spring	32.45	322	eP	P		18 29 24.9	+2.0
TPNV	Topopah Spring	32.45	322	P	P		18 29 24.9	+2.0
FURC	Furnace Creek,	32.51	320	P	P		18 29 25.3	+2.0
JLU	Jordanelle	32.52	331	eP	P		18 29 24.4	-0.8
BLG	Laguna Peak, P	32.55	315	P	P		18 29 25.8	+2.1
OSI	Osito Audit: C	32.60	316	eP	P		18 29 25.4	+1.2
OSI	Osito Audit: C	32.60	316	P	P		18 29 26.3	+2.1
MPMC	Manual Prospec	32.65	319	P	P		18 29 26.7	+2.0
F37A	Hinrichs Farm,	32.67	359	P	P		18 29 23.7	-0.9
YLE	Yale	32.68	27	eP	P		18 29 23.2	-1.5
CTU	Camp Tracy	32.74	331	eP	P		18 29 27.3	+1.8
F41A	Three Lakes	32.75	3	P	P		18 29 25.7	+0.4
F41A	Three Lakes	32.75	3	P	P		18 29 23.8	-1.5
RSSD	Black Hills	32.80	344	eP	P		18 29 27.2	+1.2
RSSD	Black Hills	32.80	344	eP	P		18 29 27.2	+1.2
F42A	Maple Grove Fa	32.84	5	P	P		18 29 27.1	+1.0
DAC	Darwin (Calif)	32.85	319	eP	P		18 29 27.5	+1.0
DAC	Darwin (Calif)	32.85	319	eP	P		18 29 27.5	+1.0

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F39A	Loretta	32.86	1	P	P		18 29 26.8	+0.6
DUG	Dugway, Tooele	32.86	329	eP	P		18 29 28.8	+2.3
DUG	Dugway, Tooele	32.86	329	P	P		18 29 28.8	+2.1
SCZ2	Santa Cruz Isl	32.88	314	P	P		18 29 27.7	+1.1
F38A	Pierce - Schro	32.90	360	P	P		18 29 25.6	-0.9
TCUT	Toone Canyon	32.91	332	eP	P		18 29 28.8	+1.7
ARVC	Arvin	32.97	317	P	P		18 29 29.5	+2.2
F43A	Flat Rock, Esc	33.00	6	P	P		18 29 27.1	-0.3
R11A	Troy Canyon, C	33.00	324	eP	P		18 29 29.8	+2.0
R11A	Troy Canyon, C	33.00	324	P	P		18 29 30.2	+2.4
ISA	Isabella, Lake	33.05	318	eP	P		18 29 30.5	+2.4
ISA	Isabella, Lake	33.05	318	eP	P		18 29 30.5	+2.4
ISA	Isabella, Lake	33.05	318	P	P		18 29 30.0	+1.9
F45A	CMU Biological	33.05	8	P	P		18 29 28.1	+0.3
COWI	Cowover	33.11	3	eP	P		18 29 27.5	-0.9
COWI	Cowover	33.11	3	LR	LR		18 29 31.1	+2.1
GRAC	Grapevine Rang	33.16	321	P	P		18 29 29.8	+0.6
SBC	Santa Barbara	33.18	315	P	P		18 29 27.8	-1.6
F44A	Big Bay de Noc	33.22	7	P	P		18 29 27.8	-1.7
F46A	Macinaw City C	33.24	9	P	P		18 29 32.0	+2.0
CWC	Cottonwood Cre	33.26	319	P	P		18 29 29.3	-1.0
E39A	Isabella, Lake	33.33	1	P	P		18 29 32.0	+1.0
HWUT	Hardware Ranch	33.38	332	eP	P		18 29 32.0	+1.0
HWUT	Hardware Ranch	33.38	332	LR	LR		18 29 29.8	-1.3
E40A	Wakfield	33.42	2	P	P		18 29 32.8	+0.9
PD31	Pinedale Array	33.47	336	eP	P		18 29 33.1	+1.2
PDAR	Pinedale Array	33.47	336	P	P		18 32 12.0	-0.8
PDAR	Pinedale Array	33.47	336	P	P		18 45 56.2	
PDAR	Pinedale Array	33.47	336	P	P		18 29 32.8	+0.9
PDAR	Pinedale Array	33.47	336	P	P		18 29 32.8	+0.9
BW06	Boulder Array	33.48	336	P	P		18 29 32.8	+0.9
BW06	Boulder Array	33.48	336	P	P		18 29 30.2	-1.5
SADO	Sadowa	33.48	16	eP	P		18 29 31.1	-0.5
SADO	Sadowa	33.48	16	eP	P		18 29 34.2	+2.1
PKM	McIntosh Peak	33.50	315	P	P		18 29 34.2	+1.8
E42A	Champion	33.52	5	P	P		18 29 31.1	-1.1
BGU	Big Grassy Mou	33.53	330	eP	P		18 29 31.6	-0.6
E38A	The Farm, Brul	33.54	0	eP	P		18 29 34.5	+2.0
E38A	The Farm, Brul	33.54	0	P	P		18 29 35.0	+2.6
SPUT	South Promonto	33.55	331	eP	P		18 29 30.9	-1.3
YES	Vestal, Richgr	33.55	318	P	P		18 29 30.2	-2.0
E43A	Lone Tree Farm	33.55	6	eP	P		18 29 31.8	-1.9
E43A	Lone Tree Farm	33.55	6	P	P		18 29 36.4	+1.0
QUA2	Belcherdown	33.72	26	eP	P		18 29 38.0	+1.0
TIN	Tinmahua, Big	33.73	320	P	P		18 29 33.0	-1.0
E45A	Wooded Hills,	33.75	8	P	P		18 29 36.6	+1.5
SMCC	Simmler	33.86	316	P	P		18 29 36.4	+1.0
E44A	Grand Marais A	33.91	7	eP	P		18 29 38.1	+1.0
HVU	Hansel Valley	34.07	331	eP	P		18 29 38.2	+0.8
HVU	Hansel Valley	34.07	331	eP	P		18 29 35.4	-1.6
ACCN	Adirondack C	34.09	24	eP	P		18 29 38.1	+1.0
D41A	Chassel	34.10	4	P	P		18 29 38.2	+0.8
AHID	Auburn Hatcher	34.11	334	eP	P		18 29 37.1	-1.3
AHID	Auburn Hatcher	34.11	334	LR	LR		18 29 36.9	-1.5
HRV	Adam Dzewonsk	34.25	27	eP	P		18 29 36.9	-1.5
HRV	Adam Dzewonsk	34.25	27	P	P		18 29 40.4	+1.8
WES	Weston	34.26	27	eP	P		18 29 37.4	-1.2
WES	Weston	34.26	27	eP	P		18 29 39.7	+0.4
PAGB	Antelope Grade	34.26	316	eP	P		18 29 39.6	+0.3
BCX	Boston College	34.29	28	eP	P		18 29 37.5	-1.7
PTGA	Pitinga	34.32	111	P	P		18 29 41.5	+1.5
PTGA	Pitinga	34.32	111	P	P		18 29 42.8	+2.2
PTGA	Pitinga	34.32	111	P	P		18 29 42.2	+1.4
PTGA								

PKME	comp=Z,80nm,1.1s Peaks-Kenny Pk comp=Z,118nm,1.0s	37.44	26	eP	P	18 30 04.2	-1.5
PKME	comp=Z,2um,19.0s Peaks-Kenny Pk bazz=217	37.44	26	P	LR	18 30 04.1	-1.5
WVOR	Wild Horse Val comp=Z,58nm,1.0s	37.50	327	eP	P	18 30 07.3	+0.9
WVOR	comp=Z,733nm,21.0s				LR		
WVOR	Wild Horse Val comp=Z,58nm,1.0s	37.50	327	eP	P	18 30 07.3	+0.9
WVOR	comp=Z,58nm,1.0s				LR		
WVOR	comp=Z,733nm,21.0s				MLR		
HRV	Holter Researc GDXM	37.66	337	eP	P	18 30 09.2	+1.4
HRV	Geysers	37.67	319	eP	P	18 30 09.6	+1.7
EMMW	East Machias comp=Z,71nm,1.0s	37.83	29	eP	P	18 30 07.8	-1.2
HOPS	Hopland Field comp=Z,61nm,1.4s	37.96	319	eP	P	18 30 11.7	+1.5
EGMT	Eagleton comp=Z,65nm,1.3s	38.05	340	eP	P	18 30 12.4	+1.4
EGMT	comp=Z,547nm,21.0s				LR		
EGMT	Eagleton bazz=150	38.05	340	P	P	18 30 11.6	+0.6
J08A	Circle Bar Ran comp=Z,236nm,1.2s	38.06	328	eP	P	18 30 12.2	+1.1
MOD	Mood Plateau comp=Z,49nm,1.1s	38.06	325	eP	P	18 30 11.9	+0.7
GGN	Saint George comp=Z,48nm,0.9s	38.43	29	eP	P	18 30 12.4	-1.5
O02D	Mt. Diablo Mer bazz=125	38.46	321	P	P	18 30 15.4	+0.9
WDC	Whiskeytown Da comp=Z,17nm,1.0s	38.55	321	eP	P	18 30 15.0	-0.1
WDC	Whiskeytown Da comp=Z,61nm,1.4s	38.55	321	eP	P	18 30 15.0	-0.1
BMO	Blue Mountains comp=Z,129nm,2.0s	38.55	330	eP	P	18 30 15.8	+0.6
BMO	comp=Z,827nm,20.0s				LR		
MSO	Missoula comp=Z,47nm,1.1s	38.59	335	eP	P	18 30 16.1	+0.7
MSO	Missoula bazz=144	38.59	335	P	P	18 30 16.6	+1.1
MNMC	Minye Minye comp=Z,123nm,1.2s	38.63	145	eP	P	18 30 16.9	+0.6
KCPM	Cahto Peak comp=Z,64nm,1.1s	38.68	319	eP	P	18 30 18.1	+1.8
M04C	Maeddel bazz=129	38.87	323	P	P	18 30 18.9	+0.9
N02D	Trinity Center bazz=127	38.88	322	P	P	18 30 18.2	+0.2
K05A	Summer Lake comp=Z,40nm,1.1s	38.93	325	eP	P	18 30 19.3	+0.8
KMRM	Mali Ridge comp=Z,119nm,1.0s	39.06	320	eP	P	18 30 21.6	+2.1
PQI	Presque Isle comp=Z,56nm,0.9s	39.09	26	eP	P	18 30 18.1	-1.4
I07A	Izeze comp=Z,54nm,1.3s	39.10	328	eP	P	18 30 20.6	+0.7
PB11	IPOC Station P comp=Z,126nm,1.4s	39.11	146	eP	P	18 30 20.2	+0.1
PB11	Callahan bazz=127	39.23	322	eP	P	18 32 29.8	0.0
M02C	Callahan bazz=127	39.23	322	eP	P	18 30 20.0	-0.9
MDP	Montagnes des comp=Z,285,slow=8.3,SNR=9.9	39.34	98	P	P	18 30 21.4	-0.7
F10A	Beach Ranch, E comp=Z,97nm,0.9s	39.35	332	eP	P	18 30 22.8	+1.0
YBH	Yreka Blue Hor comp=Z,17nm,1.0s	39.35	323	eP	P	18 30 21.6	-0.3
YBH	Yreka Blue Hor comp=Z,17nm,1.0s	39.35	323	eP	P	18 30 21.6	-0.3
K04D	Klamath, OR bazz=131	39.35	324	P	P	18 30 22.9	+1.0
L04D	Klamath Falls bazz=128	39.41	323	P	P	18 30 22.8	+0.3
KHMM	Horse Mountain comp=Z,90nm,0.9s	39.45	321	eP	P	18 30 24.5	+1.6
JTMT	Jette comp=Z,35nm,1.0s	39.47	336	eP	P	18 30 24.3	+1.4
JTMT	Fort Rock, OR bazz=131	39.49	326	P	P	18 32 31.4	+0.9
J05D	Fort Rock, OR bazz=131	39.49	326	P	P	18 30 23.6	+0.5
JCC	Jacoby Creek, comp=Z,152nm,1.2s	39.60	320	eP	P	18 30 26.0	+2.1
PINE	Pine Mountain comp=Z,55nm,0.9s	39.66	326	eP	P	18 30 25.8	+1.2
G08A	Pilot Rock comp=Z,38nm,1.4s	39.67	330	eP	P	18 30 25.2	+0.6
HAL	Halifax comp=Z,44nm,1.0s	39.68	32	eP	P	18 30 22.5	-1.9
HAL	Halifax comp=Z,44nm,1.0s	39.68	32	eP	P	18 30 22.5	-1.9
LHN	Laledonia Moun comp=Z,44nm,1.0s	39.93	30	eP	P	18 30 24.6	-2.1
LMN	Caledonia Moun comp=Z,90nm,0.9s	39.93	30	eP	P	18 30 24.6	-2.1
J04D	Umpqua Nationa bazz=130	39.94	325	P	P	18 30 28.5	+1.5
HUMO	Hull Mountain comp=Z,13nm,1.1s	40.03	323	eP	P	18 30 27.1	-0.3
E09A	Wood Farm, OR comp=Z,53nm,1.3s	40.17	332	eP	P	18 30 29.3	+0.7
I05D	Terrebonne, Sta bazz=132	40.24	327	P	P	18 30 29.9	+0.7
PB01	IPOC Station P comp=Z,54nm,1.6s	40.24	147	eP	P	18 30 28.9	-0.6
WALA	Waterton Lakes comp=Z,58nm,1.2s	40.40	337	eP	P	18 30 31.9	+1.3
WALA	Bathurst New B comp=Z,42nm,0.9s	40.41	27	eS	S	18 36 34.3	-3.3
BATG	Bathurst New B comp=Z,42nm,0.9s	40.41	27	eS	S	18 30 28.9	-1.6
I04A	Tendick Farm, bazz=130	40.47	325	P	P	18 30 31.9	+0.8
G06A	Carlson Farm, comp=Z,42nm,1.2s	40.48	328	eP	P	18 30 32.3	+1.1
K02D	Willamette Mer bazz=127	40.50	332	P	P	18 30 32.4	+0.9
F07A	Phinny Hill Vi comp=Z,33nm,1.1s	40.58	330	eP	P	18 30 33.3	+1.3
E08A	Dider Farm, El comp=Z,19nm,1.0s	40.59	331	eP	P	18 30 32.4	+0.4
HAWA	Hanford comp=Z,18nm,0.9s	40.74	330	eP	P	18 30 33.9	+0.6
HAWA	comp=Z,284nm,19.0s				LR		
G05D	Wamic, OR bazz=132	40.84	328	P	P	18 30 35.9	+1.8
H04A	Detroit Lake comp=Z,42nm,0.9s	40.92	326	eP	P	18 30 35.2	+0.3
I03D	Drain, OR bazz=128	40.93	325	P	P	18 30 35.9	+1.0
D08A	Wollman Farm, comp=Z,42nm,1.0s	40.94	332	eP	P	18 30 35.9	+1.0
E07A	Sunnyside comp=Z,37nm,0.9s	41.04	334	eP	P	18 30 36.9	+1.3
NEW	Newport comp=Z,21nm,1.0s	41.04	334	eP	P	18 30 35.9	+0.1
NEW	Newport comp=Z,688nm,20.0s				LR		
NEW	Newport comp=Z,21nm,1.0s	41.04	334	eP	P	18 30 35.9	+0.1
NEW	Newport comp=Z,688nm,20.0s				MLR		
NEW	Newport bazz=140	41.04	334	P	P	18 30 36.5	+0.7
H04D	Lebanon bazz=130	41.12	326	P	P	18 30 36.8	+0.4
C09A	Chrisman Ranch comp=Z,52nm,0.9s	41.19	333	eP	P	18 30 37.7	+0.6
GBN	Guyborough comp=Z,69nm,1.0s	41.28	33	eP	P	18 30 36.0	-1.7
F05D	White Salmon bazz=133	41.34	328	P	P	18 30 39.7	+1.4
COR	Corvallis comp=Z,42nm,1.0s	41.47	326	eP	P	18 30 40.0	+0.7
COR	Corvallis comp=Z,42nm,1.0s	41.47	326	eP	P	18 30 40.0	+0.7
COR	comp=Z,82nm,1.0s				LR		
I02D	Swisshome	41.47	325	P	P	18 30 40.2	+0.9

SIV	bazz=128 San Ignacio comp=Z,40nm,1.0s,bazz=319,slow=10,SNR=55	41.79	133	P	P	18 30 42.0	-0.3
LVC	Limor Verde comp=Z,62nm,1.4s	41.83	147	eP	P	18 30 43.0	+0.1
LVC	comp=Z,71nm,20.0s				LR		
LVC	Limor Verde	41.83	147	eP	P	18 30 43.0	+0.1
LVC	comp=Z,62nm,1.4s				MLR		
LVC	comp=Z,71nm,20.0s				MLR		
G03D	McMinnville, O	41.85	326	P	P	18 30 43.5	+1.1
LTY	Liberty bazz=131	41.91	330	eP	P	18 30 43.7	+0.8
B08A	Colville Reser comp=Z,16nm,0.9s	42.08	333	eP	P	18 30 44.6	+0.3
LON	Longmire comp=Z,49nm,1.0s	42.11	329	eP	P	18 30 45.2	+0.6
LON	Longmire	42.11	329	eP	P	18 30 45.2	+0.6
F04D	Rainier, OR bazz=131	42.28	328	P	P	18 30 47.1	+1.2
E04D	Cinebar bazz=132	42.37	328	P	P	18 30 47.3	+0.7
FFC	Flin Flon comp=Z,19nm,1.0s	42.45	351	eP	P	18 30 47.1	0.0
FFC	comp=Z,591nm,21.0s				LR		
FFC	Flin Flon	42.45	351	eP	P	18 30 47.1	0.0
FFC	comp=Z,19nm,1.0s				MLR		
FFC	comp=Z,591nm,21.0s				MLR		
F03A	comp=Z,129nm,0.9s	42.47	327	eP	P	18 30 49.1	+1.6
C06D	Leavenworth bazz=135	42.49	331	P	P	18 30 48.4	+0.8
D05A	Enumclaw comp=Z,100nm,1.0s	42.50	329	eP	P	18 30 48.9	+1.2
E03A	Lebam comp=Z,140nm,1.1s	42.87	328	eP	P	18 30 51.8	+1.1
PNT	Penticon comp=Z,42nm,1.0s	42.92	333	eP	P	18 30 52.8	+1.7
PNT	Penticon comp=Z,42nm,1.0s	42.92	333	eP	P	18 30 52.8	+1.7
B06A	Marblemount comp=Z,256nm,0.8s	43.19	331	eP	P	18 30 53.9	+0.7
D03D	Eldon bazz=132	43.29	329	P	P	18 30 55.0	+0.9
B05A	Eldon bazz=134	43.30	330	P	P	18 30 54.6	+0.5
RPN	Rapa Nui comp=Z,221nm,1.3s	43.35	203	eP	P	18 30 55.7	+1.0
RPN	Rapa Nui	43.35	203	eP	P	18 30 55.7	+1.0
BLN	Blyn Mountain comp=Z,221nm,1.3s	43.35	203	eP	P	18 30 55.7	+1.0
NLWA	Neiton Lookou comp=Z,145nm,1.2s	43.59	328	eP	P	18 30 57.8	+1.3
NLWA	comp=Z,145nm,1.2s				LR		
NLWA	comp=Z,145nm,1.2s				LR		
A04D	Lummi Island bazz=133	43.91	331	P	P	18 30 59.7	+0.7
PGD	Sidney comp=Z,87nm,1.0s	44.22	330	eP	P	18 31 02.7	+1.2
LLLB	Lillooet comp=Z,74nm,1.4s	44.86	333	eP	P	18 31 07.7	+1.0
G003	Coplat comp=Z,40nm,1.1s	45.38	153	eP	P	18 31 10.7	-0.4
FCC	Fort Churchill comp=Z,52nm,1.0s	45.76	358	eP	P	18 31 15.0	+1.5
FCC	Fort Churchill	45.76	358	eP	P	18 31 15.0	+1.5
FCC	comp=Z,52nm,1.0s				MLR		
FCC	comp=Z,52nm,1.0s				MLR		
DRLN	Deer Lake comp=Z,95nm,1.0s	45.86	31	eP	P	18 31 12.3	-2.3
SCHO	Schefferville comp=Z,91nm,0.9s,bazz=215,slow=6.6,SNR=33	46.11	20	eP	P	18 31 15.4	-1.0
SCHO	comp=Z,91nm,0.9s,bazz=215,slow=6.6,SNR=33				LR		
SCHO	comp=Z,91nm,0.9s,bazz=215,slow=6.6,SNR=33				LR		
SCHO	Schefferville comp=Z,91nm,0.9s,bazz=215,slow=6.6,SNR=33	46.11	20	eP	P	18 31 15.4	-1.0
LCO	Las Campanas comp=Z,87nm,1.2s	46.41	154	eP	P	18 31 19.2	-0.2
LCO	Las Campanas	46.41	154	eP	P	18 31 19.2	-0.2
LCO	comp=Z,87nm,1.2s				MLR		
LCO	Las Campanas	46.41	154	eP	P	18 31 19.2	-0.2
G004	Tololo Observa comp=Z,64nm,1.2s	47.38	155	eP	P	18 31 26.9	-0.1
BBB	Bella Bella comp=Z,53nm,1.2s	48.79	331	eP	P	18 31 38.8	+1.4
ROC1	El Roble comp=Z,50nm,1.1s	48.79	157	eP	P	18 31 44.6	-0.8
PEL	Peidehue comp=Z,47nm,1.2s	50.05	157	eP	P	18 31 46.5	-0.8
PEL	Peidehue	50.05	157	eP	P	18 31 46.5	-0.8
PEL	comp=Z,47nm,1.2s				MLR		
PEL	Peidehue	50.05	157	eP	P	18 31 46.5	-0.8
G005	Hualaeo comp=Z,47nm,1.2s	51.27	159	eP	P	18 31 55.9	-0.5
CPUP	Villa Florida comp=Z,23nm,1.1s,bazz=328,slow=7.6,SNR=14	51.42	140	P	P	18 31 56.3	-1.3
CPUP	comp=Z,23nm,1.1s,bazz=328,slow=7.6,SNR=14				LR		
CPUP	comp=Z,681nm,18.4s,bazz=327,slow=38				LR		
CPUP	Villa Florida comp=Z,55nm,1.3s	51.42	140	eP	P	18 31 56.1	-1.6
CPUP	comp=Z,55nm,1.3s				MLR		
DIB	Dawson Inlet, comp=Z,53nm,1.1s	51.52	330	eP	P	18 31 59.9	+1.9
BDFB	Brasilila comp=Z,24nm,0.9s,bazz=285,slow=8.7,SNR=17	51.75	122	eP	P	18 31 59.8	-0.6
BDFB	Brasilila comp=Z,24nm,1.1s	51.75	122	eP	P	18 31 59.8	-0.6
BDFB	Brasilila comp=Z,24nm,1.1s	51.75	122	eP	P	18 31 59.8	-0.6
BDFB	Brasilila comp=Z,24nm,1.1s	51.75	122	eP	P	18 31 59.8	-0.6
YKA							

5d 18h

Table with columns: ID, Name, Frequency, Mode, Power, and other parameters. Includes entries like RC01 Rabbit Creek A, BRLK Bradley Lake, CNPM China Foot, etc.

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Table with columns: Name, Frequency, Mode, Power, and other parameters. Includes entries like PESTR Estremoz, PESTR Estremoz, PVAQ Vaqueiros, etc.

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Table with columns: Name, Frequency, Mode, Power, and other parameters. Includes entries like CLL CLL, CLL Collin, NKC Novy Kostel, etc.

Table with columns for station name, coordinates, elevation, and various status indicators. Includes stations like MODS Modra-Piesok, OJC Ojcow, VYHS Vyhne, etc.

Table with columns for station name, coordinates, elevation, and various status indicators. Includes stations like ZAK Zakamensk, KURK Kurchatov, ULN Ulanbatar, etc.

Table with columns for station name, coordinates, elevation, and various status indicators. Includes stations like WRAB Tennant Creek, AS01 Alice Springs, GYA Guiyang, etc.

JMA 05 18:24:10.1+0.1, 24.64N, 122.73E, h23km, 1km, M1.8
KAP 05 18:24:10.3, 24.56N, 122.69E, h16km, 1km, ML2.7, C
ISC 05 18:24:10.1+0.1, 0.2451N, 122.005E, h23km, 10km, n41, 0557/57, ID, Taiwan region

Table with columns for Code, Station Name, coordinates, elevation, and various status indicators. Includes stations like YJNG Yonagunijimaku, YOJ Yonaguni, etc.

5d 19h

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like NNS Nan Shan, NKS Sanguang, JKRS Kuro-shima, etc.

UCR 05 18:32:45.4±1.3, 10:34N:85.31W, h51km, 4km, MD3.5, ML4.1, 3C-3D, Costa Rica

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PLVR Palo Verde, CUI Cuitapala, etc.

IDC 05 18:40:17.4±7.4, 15:27S:176.47W, h0km, mb3.8/3, mb1 4.1/3, mb1mx3.6/19, mbtmp3.8/3, Error ellipse: s-maj=328.1km s-min=37.6km az=140.0, Fiji Islands region

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

KRSC 05 19:00:24.1±1.1, 52:38N:160.68E, h28km, 13km, ML3.7, Off east coast of Kamohaka Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SPN Mys Shipunski, SDR Sedlovina, etc.

IDC 05 19:10:41.6±0.1, 44.72N:7.29E, h0km, mb3.3/1, mb1 3.6/5, mb1mx3.3/45, mbtmp3.4/5, ML3.9/4, Error ellipse: s-maj=40.0km s-min=14.6km az=130.0

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Main table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like San Damiano, Bricherasio, Santa Anna di V, etc.

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

AMTX	Amarillo	12.87	26	P	Pn	20 05 12.4	-0.8
LDFC	Landfair	12.87	335	ePn	Pn	20 05 15.4	+2.1
BBRC	Big Bear Solar	12.97	328	P	Pn	20 05 13.3	-1.5
WHXX	Lake Whitney	13.01	47	ePn	Pn	20 05 14.8	-0.3
WHXX	Lake Whitney	13.01	47	P	Pn	20 05 15.1	0.0
HKT	Hockley	13.10	58	ePn	Pn	20 05 13.5	-2.8
HKT	Hockley	13.10	58	ePn	Pn	20 05 13.5	-2.8
CIS	Catalina Islan	13.11	321	P	Pn	20 05 17.1	+0.5
HEC	Hector,Ludlow	13.16	331	P	Pn	20 05 18.3	+1.0
HEC	Hector,Ludlow	13.16	331	P	Pn	20 05 18.3	+1.0
HEC	Hector,Ludlow	13.16	331	P	Pn	20 05 18.3	+1.0
FMP	Fort Macarthur	13.27	322	P	Pn	20 05 19.2	+0.6
U15A	North Rim	13.29	347	ePn	Pn	20 05 18.1	-1.1
BFSC	Mount Baldy Ra	13.33	326	P	Pn	20 05 21.6	+2.1
TUQ	Turquoise Moun	13.50	334	P	Pn	20 05 23.1	+1.2
RRX	Edison Barstow	13.51	329	P	Pn	20 05 21.6	-0.2
RRX	Edison Barstow	13.51	329	P	Pn	20 05 21.6	-0.2
RRX	Edison Barstow	13.51	329	P	Pn	20 05 21.6	-0.2
MWC	Mount Wilson	13.52	324	ePn	Pn	20 05 22.6	+0.3
MWC	Mount Wilson	13.52	324	ePn	Pn	20 05 22.6	+0.3
PASC	Pasadena Art C	13.55	324	ePn	Pn	20 05 22.6	+0.1
SNCC	San Nicolas Is	13.67	318	ePn	Pn	20 05 22.7	-1.4
SNCC	San Nicolas Is	13.67	318	ePn	Pn	20 05 22.7	-1.4
MVCO	Mesa Verde	13.69	0	P	Pn	20 05 24.8	+0.2
MVCO	Mesa Verde	13.69	0	P	Pn	20 05 24.8	+0.2
DECC	Green Verdugo	13.70	324	P	Pn	20 05 24.4	-0.1
GSC	Goldstone, Bar	13.77	331	ePn	Pn	20 05 25.6	+0.1
GSC	Goldstone, Bar	13.77	331	ePn	Pn	20 05 25.6	+0.1
GSC	Goldstone, Bar	13.77	331	ePn	Pn	20 05 25.3	-0.3
GSC	Goldstone, Bar	13.77	331	ePn	Pn	20 05 25.3	-0.3
GSC	Goldstone, Bar	13.77	331	ePn	Pn	20 05 25.3	-0.3
KNB	Kanab	13.97	346	ePn	Pn	20 05 29.4	+1.0
EDW2	Edwards Air Fo	14.00	326	P	Pn	20 05 28.3	-0.4
SHOC	Shoshone, Teco	14.05	333	P	Pn	20 05 28.5	-0.8
LCMT	Little Creek M	14.07	345	ePn	Pn	20 05 28.5	-1.1
T25A	Trinidad	14.09	14	P	Pn	20 05 26.9	-3.1
T25A	Trinidad	14.09	14	P	Pn	20 05 28.7	-1.3
WMOK	Wichita Mounta	14.12	35	ePn	Pn	20 05 26.7	-3.6
WMOK	Wichita Mounta	14.12	35	ePn	Pn	20 05 26.7	-3.6
WMOK	Wichita Mounta	14.12	35	ePn	Pn	20 05 26.7	-3.6
SHPR	Sheep Range	14.18	338	ePn	Pn	20 05 32.1	+1.2
OSI	Ostio Audit: C	14.18	324	P	Pn	20 05 31.0	-0.1
SC22	Santa Cruz Isl	14.25	320	P	Pn	20 05 31.5	-0.5
PKCU	Pink Cliffs	14.28	348	ePn	Pn	20 05 34.4	+1.7
S22A	4UR Ranch, Cre	14.30	6	P	Pn	20 05 34.4	+1.3
S22A	4UR Ranch, Cre	14.30	6	P	Pn	20 05 33.8	+0.8
LRMC	Laurel Mtn Rd	14.32	329	P	Pn	20 05 32.1	-1.0
LRMC	Laurel Mtn Rd	14.32	329	P	Pn	20 05 32.1	-1.0
CMIG	Matias Romero	14.35	114	Pn	Pn	20 05 35.8	+2.2
CMIG	Matias Romero	14.35	114	Pn	Pn	20 05 35.8	+2.2
SDCO	Great Sand Dun	14.47	10	ePn	Pn	20 05 35.2	0.0
SDCO	Great Sand Dun	14.47	10	ePn	Pn	20 05 34.0	-1.3
PV05	Paradox Valley	14.56	358	ePn	Pn	20 05 37.9	+1.4
SZCU	Shurtz Canyon	14.59	346	ePn	Pn	20 05 37.6	+0.8
CCUT	Cedar City	14.61	345	ePn	Pn	20 05 38.8	+1.6
PV01	Paradox Valley	14.61	0	ePn	Pn	20 05 37.5	+0.3
ARVC	Santa Barbara	14.61	321	P	Pn	20 05 36.8	-0.1
SRBC	Arvin	14.62	325	P	Pn	20 05 37.4	+0.3
PV13	Radium Mtn., P	14.63	359	ePn	Pn	20 05 38.5	+1.0
PV02	Paradox Valley	14.68	360	ePn	Pn	20 05 38.9	+0.7
MPMC	Manual Prospec	14.71	330	P	Pn	20 05 37.7	-0.7
PV18	Skein Mesa, Pa	14.72	359	ePn	Pn	20 05 37.8	-0.9
PV03	Paradox Valley	14.73	359	ePn	Pn	20 05 37.8	-0.9
PV17	East Wray Mesa	14.76	359	ePn	Pn	20 05 38.0	-1.2
PV11	David Mesa, Pa	14.77	359	ePn	Pn	20 05 39.6	+0.2
FURC	Furnace Creek,	14.78	333	P	Pn	20 05 37.5	-1.7
PV19	Morning Glory	14.79	359	ePn	Pn	20 05 39.8	+0.2
PV16	Nyswonger Mesa	14.79	359	ePn	Pn	20 05 39.4	+0.2
PV12	Saucer Basin,	14.79	359	ePn	Pn	20 05 39.7	+0.1
PV20	West Nyswonger	14.82	359	ePn	Pn	20 05 39.2	-0.7
MTPU	Mount Pierson	14.83	349	ePn	Pn	20 05 39.9	-0.4
NATX	Nacogdoches	14.85	53	P	Pn	20 05 37.9	-2.4
NATX	Nacogdoches	14.85	53	P	Pn	20 05 38.9	-1.3
PV10	Paradox Valley	14.85	359	ePn	Pn	20 05 40.4	-0.1
ISA	Isabella, Lake	14.86	327	ePn	Pn	20 05 38.3	-2.1
ISA	Isabella, Lake	14.86	327	ePn	Pn	20 05 38.3	-2.1
ISA	Isabella, Lake	14.86	327	ePn	Pn	20 05 39.7	-0.7
PV23	Carpenter Ridg	14.93	359	ePn	Pn	20 05 38.9	-2.7
DAC	Darwin (Calif)	14.93	331	ePn	Pn	20 05 43.2	+1.6
TPNV	Topopah Spring	14.95	336	ePn	Pn	20 05 42.2	+0.4
TPNV	Topopah Spring	14.95	336	ePn	Pn	20 05 42.2	+0.4
TPNV	Topopah Spring	14.95	336	ePn	Pn	20 05 42.2	+0.4
PKM	Mpherson Peak	14.99	322	P	Pn	20 05 42.5	+0.2
PV22	Blue Mesa, Par	15.01	359	ePn	Pn	20 05 41.3	-1.3
CWC	Cottonwood Cre	15.29	330	P	Pn	20 05 46.4	+0.2
MSU	Marysville	15.29	349	ePn	Pn	20 05 46.8	+0.5
MSU	Marysville	15.29	349	ePn	Pn	20 05 46.8	+0.5
GRAC	Vestal, Richgr	15.30	326	P	Pn	20 05 47.6	+1.3
VRCS	Grapevine Rang	15.44	333	P	Pn	20 05 47.7	-0.4
PSUT	Pine Spring	15.66	345	ePn	Pn	20 05 51.0	-0.1
SRU	San Rafael Swe	15.67	354	ePn	Pn	20 05 50.4	-0.8
SRU	San Rafael Swe	15.67	354	ePn	Pn	20 05 50.4	-0.8
SRU	San Rafael Swe	15.67	354	ePn	Pn	20 05 50.4	-0.8
Q24A	Divide	15.71	10	P	Pn	20 05 50.3	-1.6
341A	Kurthwood	15.77	57	P	Pn	20 05 51.0	-1.5
542A	Morse	15.78	62	P	Pn	20 05 52.2	-0.4
PAGB	Antelope Grade	15.84	323	ePn	Pn	20 05 52.9	-0.5
TIN	Tinema, Big	15.86	331	P	Pn	20 05 53.9	+0.2
TMUT	Trail Mountain	15.92	353	ePn	Pn	20 05 51.2	-3.5
R11A	Troy Canyon, C	15.98	340	ePn	Pn	20 05 55.0	-0.2
R11A	Troy Canyon, C	15.98	340	ePn	Pn	20 05 54.2	-1.0
P17A	Butcher Ranch	16.05	354	ePn	Pn	20 05 55.8	-0.3
140A	Cam and Jess,	16.09	52	P	Pn	20 05 53.9	-2.6
P18A	Preston Nutter	16.16	355	ePn	Pn	20 05 56.1	-1.6
241A	Mo Tay, Golden	16.27	55	ePn	Pn	20 05 57.8	-1.1
241A	Mo Tay, Golden	16.27	55	ePn	Pn	20 05 58.0	-0.9
KSCO	Kaye Shedlock	16.30	17	P	Pn	20 05 55.9	-3.3
342A	Flagon Creek P	16.44	58	ePn	Pn	20 05 57.3	-3.7
342A	Flagon Creek P	16.44	58	ePn	Pn	20 05 57.3	-3.7
ISCO	Idaho Springs	16.47	8	ePn	Pn	20 05 59.0	-2.5

ISCO	Idaho Springs	16.47	8	eP	Pn	20 05 59.1	-2.5
ISCO	Idaho Springs	16.47	8	eP	Pn	20 05 59.1	-2.5
ISCO	Idaho Springs	16.47	8	eP	Pn	20 05 59.1	-2.5
PMPB	Monarch Peak	16.50	323	ePn	Pn	20 06 01.1	-0.7
141A	Papa Simpson,	16.56	53	P	Pn	20 05 59.3	-3.2
O20A	White River Ci	16.61	1	ePn	Pn	20 06 02.0	-1.2
O20A	White River Ci	16.61	1	P	Pn	20 06 01.8	-1.5
MLAC	Mammoth, Mammo	16.61	61	330	P	20 06 02.1	-1.3
443A	Delano Plantat	16.63	61	P	Pn	20 06 01.3	-2.1
TUL1	Leonard	16.64	39	ePn	Pn	20 06 01.3	-2.2
TUL1	Leonard	16.64	39	ePn	Pn	20 06 01.3	-2.2
MPU	Maple Canyon	16.68	352	ePn	Pn	20 06 03.4	-0.9
NLU	North Lily Min	16.68	351	ePn	Pn	20 06 02.8	-1.5
MDPB	Devils Postpil	16.72	330	ePn	Pn	20 06 05.2	+0.4
X39A	Fourteen Ranch	16.76	46	P	Pn	20 06 02.9	-2.1
242A	Grayson	16.87	56	P	Pn	20 06 04.7	-1.8
343A	Vidalia	16.96	59	P	Pn	20 06 08.1	+0.5
Z41A	Richland Creek	16.96	51	ePn	Pn	20 06 05.9	-1.7
Z41A	Richland Creek	16.96	51	P	Pn	20 06 05.9	-1.7
NV11	Mina Array Sit	16.99	334	ePn	Pn	20 06 08.6	+0.5
Y40A	Okolona	17.03	49	ePn	Pn	20 06 06.2	-2.3
DUG	Dugway, Tooele	17.04	349	ePn	Pn	20 06 07.6	-1.1
DUG	Dugway, Tooele	17.04	349	ePn	Pn	20 06 07.6	-1.1
DUG	Dugway, Tooele	17.04	349	ePn	Pn	20 06 07.6	-1.1
NV01	Mina Array Sit	17.05	333	ePn	Pn	20 06 09.7	+0.9
NVAR	Mina Array Sit	17.05	333	ePn	Pn	20 06 10.8	+0.1
NVAR	Mina Array Sit	17.05	333	ePn	Pn	20 06 10.8	+0.1
NVAR	Mina Array Sit	17.05	333	ePn	Pn	20 06 10.8	+0.1
NVAR	Mina Array Sit	17.05	333	ePn	Pn	20 06 10.8	+0.1
CBKS	Cedar Bluff	17.05	24	P	Pn	20 06 08.7	-0.1
CBKS	Cedar Bluff	17.05	24	P	Pn	20 06 06.5	-2.2
CCIG	Comitan	17.06	112	ePn	Pn	20 06 11.2	+0.4
MIAR	Mount Ida	17.14	47	eP	Pn	20 06 10.0	+0.2
MIAR	Mount Ida	17.14	47	eP	Pn	20 06 10.0	+0.2
MIAR	Mount Ida	17.14	47	eP	Pn	20 06 10.0	+0.2
JLU	Jordanelle	17.24	353	ePn	Pn	20 06 10.4	-0.9
SAO	San Andreas Ge	17.26	323	ePn	Pn	20 06 10.4	-0.9
SAO	San Andreas Ge	17.26	323	ePn	Pn	20 06 10.4	-0.9
SAO	San Andreas Ge	17.26	323	ePn	Pn	20 06 10.4	-0.9
RYN	Ryan	17.31	333	ePn	Pn	20 06 11.6	-0.4
243A	Waterproof	17.31	57	P	Pn	20 06 10.3	-1.6
CTU	Camp Tracy	17.36	352	ePn	Pn	20 06 12.2	-0.6
W39A	Magazine	17.39	45	ePn	Pn	20 06 14.1	-0.2
W39A	Magazine	17.39	45	ePn	Pn	20 06 11.7	-1.2
Y41A	Eagleette Beard	17.43	50	P	Pn	20 06 11.9	-1.4
444A	Pine Grove	17.45	62	P	Pn	20 06 12.4	-1.3
KVN	Kaiserville	17.50	335	ePn	Pn	20 06 13.3	-1.2
KVN	Kaiserville	17.50	335	ePn	Pn	20 06 13.3	-1.2
KVN	Kaiserville	17.50	335	ePn	Pn	20 06 13.3	-1.2
N23A	Red Feather M	17.51	7	P	Pn	20 06 12.6	-2.0
Z42A	Norrel Spur, H	17.05	54	P	Pn	20 06 13.6	-1.8
WAKR	Walker	17.60	331	ePn	Pn	20 06 14.6	-1.1
X40A	Basin Creek Fa	17.60	48	ePn	Pn	20 06 12.1	-3.5
X40A	Basin Creek Fa	17.60	48	ePn	Pn	20 06 14.1	-1.5
CMB	Columbia Colle	17.66	328	ePn	Pn	20 06 14.6	-1.8
CMB	Columbia Colle	17.66	328	ePn	Pn	20 06 14.6	-1.8
CMB	Columbia Colle	17.6					

5d 20h

WDC	Whiskeytown Da	20.70	329	eP	Pn	20 06 53.7	+0.9
WDC	Whiskeytown Da	20.70	329	eP	Pn	20 06 53.7	+0.9
CCM	Cathedral Cave	20.77	42	eP	Pn	20 06 52.8	-0.9
CCM	Cathedral Cave	20.77	42	eP	Pn	20 06 52.8	-0.9
CCM	Cathedral Cave	20.77	42	eP	P	20 06 49.4	-1.9
T43A	Greenville	20.79	45	P	P	20 06 50.9	-0.6
249A	Camden	20.79	61	P	P	20 06 49.2	-2.3
MOD	Modoc Plateau	20.80	335	eP	P	20 06 52.1	+0.3
R41A	Rosebud	20.85	41	P	P	20 06 49.9	-2.2
S42A	Caledonia	20.87	43	P	P	20 06 48.9	-3.5
450A	Crestview	20.89	65	P	P	20 06 51.6	-1.0
H17A	Grant Village	20.93	356	eP	P	20 06 53.3	+0.1
H17A	Grant Village	20.93	356	eP	P	20 06 53.5	+0.3
Z48A	Northport	20.94	57	P	P	20 06 52.0	-1.2
V45A	Humboldt	20.96	50	P	P	20 06 51.3	-2.0
U44B	Burton Farm, H	21.00	48	P	P	20 06 52.7	-0.3
KMRM	Mali Ridge	21.00	326	eP	P	20 06 54.0	+0.1
W46A	Michie	21.07	52	P	P	20 06 52.7	-1.9
NK2D	Trinity Center	21.08	329	P	P	20 06 53.1	-1.7
L07W	Lake	21.08	356	eP	P	20 06 55.4	+0.5
LKWY	Lake	21.08	356	eP	P	20 06 55.4	+0.5
LKWY	Lake	21.08	356	eP	P	20 06 55.4	+0.5
LKWY	Lake	21.08	356	eP	P	20 06 55.4	+0.5
X47A	Russellville	21.18	54	P	P	20 06 54.1	-1.6
R42A	Luebbering	21.19	42	P	P	20 06 55.4	-0.4
S43A	Fulton Ridge	21.21	44	P	P	20 06 54.5	-1.5
YMR	Madison River	21.22	355	eP	P	20 06 54.5	-1.9
PLAL	Pickwick Lake	21.23	53	eP	P	20 06 55.8	-0.4
LRAL	Lakeview Retre	21.25	59	eP	P	20 06 56.0	-0.5
LRAL	Lakeview Retre	21.25	59	eP	P	20 06 56.0	-0.5
149A	Jones	21.26	60	P	P	20 06 56.5	-0.1
350A	Dozier	21.26	63	P	P	20 06 56.4	-0.3
YHB	Horse Butte	21.32	355	eP	P	20 06 56.3	-1.2
YHH	Holmes Hill	21.34	356	eP	P	20 06 57.2	-0.5
M04C	Macdoel	21.34	332	P	P	20 06 58.9	+1.4
Q41A	Truxton	21.36	40	P	P	20 06 58.6	+1.0
U45A	Rockin P Farm,	21.40	49	P	P	20 06 56.5	-1.6
QLMT	Earthquake Lak	21.42	354	eP	P	20 06 58.2	-0.3
J08A	Circle Bar Ran	21.44	340	eP	P	20 06 59.3	+0.8
Y48A	Jasper	21.45	56	P	P	20 06 58.3	-0.3
M02C	Callahan	21.48	330	P	P	20 07 00.6	+1.6
250A	Grady	21.48	62	eP	P	20 06 57.5	-1.5
250A	Grady	21.48	62	eP	P	20 06 57.9	-1.1
KHMM	Horse Mountain	21.50	327	eP	P	20 06 59.5	+0.2
451A	Vernon	21.54	66	P	P	20 07 00.7	+1.1
451A	Vernon	21.54	66	P	P	20 07 00.3	+0.6
MCMT	McKenzie Canyo	21.58	352	eP	P	20 07 01.7	+1.5
V46A	Holladay	21.58	51	P	P	20 06 59.4	-0.6
RLMT	Red Lodge	21.60	359	PFAKE	LR	20 07 10.0	+1.0
RLMT	Red Lodge	21.60	359	P	LR	20 06 59.2	-1.1
JCC	Jacoby Creek,	21.61	327	eP	P	20 06 59.4	-0.8
Z49A	Columbiana	21.67	59	P	P	20 07 00.5	-0.5
YBH	Yreka Blue Hor	21.68	330	P	P	20 07 01.0	-0.2
YBH	Yreka Blue Hor	21.68	330	eP	LR	20 15 31.3	
YBH	Yreka Blue Hor	21.68	330	eP	LR	20 07 02.4	+1.2
YBH	Yreka Blue Hor	21.68	330	eP	P	20 07 02.4	+1.2
W47A	Westpoint	21.70	53	P	P	20 07 01.1	-0.2
R43A	Red Bud	21.72	43	P	P	20 07 00.3	-1.2
K05A	Summer Lake	21.73	335	eP	P	20 07 02.9	+1.0
SLM	Saint Louis	21.75	42	eP	P	20 07 02.6	+0.8
X48A	Hartselle	21.76	55	P	P	20 07 01.2	-0.8
X48A	Hartselle	21.76	55	P	P	20 07 01.2	-0.8
S44A	Carbondale	21.81	45	P	P	20 07 01.0	-1.4
U46A	Springville	21.82	49	P	P	20 07 00.5	-2.0
552A	Lynn Haven	21.82	67	P	P	20 07 01.1	-1.6
351A	Pinckard	21.83	64	P	P	20 07 02.1	-0.6
T45A	Paducah	21.84	47	eP	P	20 07 03.5	+0.7
T45A	Paducah	21.84	47	eP	P	20 07 01.8	-1.0
SIUC	Southern Illin	21.84	45	eP	P	20 07 04.5	+1.6
150A	Eclectic	21.88	60	P	P	20 07 02.5	-0.7
L04D	Klamath Falls	21.89	332	P	P	20 07 03.1	-0.3
L36A	Harm Buss Farm	21.90	29	P	P	20 07 02.5	-0.9
P41A	Barry, Barry	21.94	39	P	P	20 07 03.0	-0.8
WVT	Waverly	21.94	50	eP	P	20 07 03.7	-0.2
WVT	Waverly	21.94	50	eP	P	20 07 03.7	-0.2
WVT	Waverly	21.94	50	eP	P	20 07 03.7	-0.2
WVT	Waverly	21.94	50	eP	P	20 07 03.7	-0.2
K04D	Chiloquin, OR	21.99	333	P	P	20 07 04.9	+0.4
N39A	Derby Farms, D	22.00	34	eP	P	20 07 03.3	-1.2
N39A	Derby Farms, D	22.00	34	eP	P	20 07 04.9	+0.4
Y49A	Blount Mountai	22.01	57	eP	P	20 07 02.8	-1.9
V47A	Nunnally	22.02	52	P	P	20 07 04.4	-0.3
452A	Marianna	22.07	65	P	P	20 07 04.7	-0.6

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DLMT	Dillon	22.07	353	eP	P	20 07 02.9	-2.5
W48A	Pulaski	22.13	53	P	P	20 07 05.6	-0.4
Z50A	Ashland	22.17	59	eP	P	20 07 05.0	-1.4
Z50A	Ashland	22.17	59	eP	P	20 07 05.4	-1.0
BOZ	Bozeman (W)	22.20	354	PFAKE	LR	20 07 20.0	+1.3
BOZ	Bozeman (W)	22.20	354	P	LR	20 07 07.8	+1.0
251A	Midway	22.21	62	P	P	20 07 05.1	-1.7
R44A	Waltonville	22.24	44	P	P	20 07 08.0	+0.9
S45A	Carrier Mills	22.24	46	P	P	20 07 07.9	+0.8
Q43A	New Douglas	22.27	42	P	P	20 07 08.2	+0.8
P42A	Winchester	22.29	40	eP	P	20 07 07.7	0.0
P42A	Winchester	22.29	40	eP	P	20 07 07.4	-0.2
X49A	Woodville	22.33	56	P	P	20 07 08.0	0.0
O41A	Asheville	22.34	38	P	P	20 07 06.9	-1.2
J05D	Fort Rock, OR	22.34	335	P	P	20 07 07.7	-0.6
T46A	Prineas	22.36	48	P	P	20 07 08.9	+0.5
151A	Opelika	22.41	61	P	P	20 07 07.9	-1.1
SCIA	State Center	22.42	31	eP	P	20 07 06.8	-2.2
SCIA	State Center	22.42	31	eP	P	20 07 07.8	-1.2
K36A	Gilmore City	22.43	28	P	P	20 07 09.8	+0.7
352A	Blakely	22.44	64	eP	P	20 07 05.9	-3.4
352A	Blakely	22.44	64	eP	P	20 07 09.7	+0.4
BMO	Blue Mountains	22.47	344	eP	P	20 07 10.1	+0.4
BMO	Blue Mountains	22.47	344	eP	P	20 07 10.1	+0.4
BMO	Blue Mountains	22.47	344	eP	P	20 07 10.1	+0.4
U47A	Clayville	22.48	50	P	P	20 07 09.6	-0.1
V48A	Smith Brothers	22.48	52	eP	P	20 07 08.6	-1.1
V48A	Smith Brothers	22.48	52	eP	P	20 07 09.9	+0.1
N40A	Mertquake, Sal	22.48	35	P	P	20 07 09.9	+0.2
ECS	EROS Data Cent	22.49	23	eP	P	20 07 07.5	-2.2
ECS	EROS Data Cent	22.49	23	eP	LR	20 07 10.9	+1.1
LRM	Limekiln Ridge	22.51	353	eP	P	20 07 13.4	+3.2
Y50A	Piedmont	22.54	58	P	P	20 07 11.2	+0.8
W49A	Belvidere	22.62	54	P	P	20 07 11.2	-0.1
J04D	Umpqua Nationa	22.65	334	P	P	20 07 10.0	-1.7
PINE	Pine Mountain	22.66	336	eP	P	20 07 12.6	+0.8
Q42A	Meyer Farm, Va	22.67	43	P	P	20 07 10.1	-1.6
252A	Lumpkin	22.73	63	P	P	20 07 12.3	-0.1
N41A	Harden Midland	22.76	37	eP	P	20 07 12.5	-0.1
N41A	Harden Midland	22.76	37	eP	P	20 07 12.2	-0.4
Z51A	Franklin	22.78	59	P	P	20 07 12.9	0.0
R45A	Skyler, Fairri	22.78	45	P	P	20 07 14.8	+2.0
453A	Whigham	22.79	66	eP	P	20 07 14.5	+1.4
453A	Whigham	22.79	66	eP	P	20 07 13.6	+0.6
P43A	Skaggs, Pawnee	22.82	41	P	P	20 07 12.6	-0.6
S46B	Don Dixon Farm	22.82	47	P	P	20 07 12.8	-0.4
X50B	Fort Payne	22.82	56	P	P	20 07 12.6	-0.8
O42A	Bath	22.85	39	P	P	20 07 12.6	-0.9
T47A	Sharon Grove	22.88	49	eP	P	20 07 13.4	-0.4
T47A	Sharon Grove	22.88	49	eP	P	20 07 14.2	+0.4
K37A	Belmond	22.89	29	P	P	20 07 14.1	+0.1
M40A	Post Highland	22.90	35	P	P	20 07 12.8	-1.2
SWET	Sewanee	22.91	54	eP	P	20 07 13.4	-0.8
152A	Waverly Hall	22.94	61	eP	P	20 07 14.0	-0.6
152A	Waverly Hall	22.94	61	eP	P	20 07 14.8	+0.2
353A	Camilla	22.99	65	P	P	20 07 14.3	-0.8
USIN	University of	23.00	46	eP	P	20 07 15.8	+0.7
U48A	Cassie Pea, Po	23.04	51	P	P	20 07 15.0	-0.6
Y51A	Rockmart	23.07	58	P	P	20 07 17.5	+1.6
OLIL	Olney	23.15	44	eP	P	20 07 17.9	+1.2
V49A	McMinnville	23.16	53	P	P	20 07 14.9	-2.0
L39A	Vinton	23.17	33	P	P	20 07 17.1	+0.2
554A	Perry	23.18	68	P	P	20 07 15.4	-1.7
Q45A	Warren Harvey,	23.21	44	P	P	20 07 17.1	-0.2
104A	Tendick Farm,	23.23	334	P	P	20 07 17.5	0.0
LAO	LASA Array	23.24	4	PFAKE	LR	20 07 30.0	+1.2
LAO	LASA Array	23.24	4	P	LR	20 07 18.6	+1.1

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Table with columns: ANWB, Willy Bob, 44.07 88, PFAKE LR, 20 10 30.0 +11, TAOE, Nuku Hiva Isla, 44.54 227, eS, S, 20 16 57.0 -1.4, etc.

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Table with columns: PMPS, Porto Santo, 79.37 59, eP, P, 20 14 11.9 -4.7, ARAO, ARCESS Array S, 81.60 15, eP, P, 20 14 29.4 +1.5, etc.

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Table with columns: ARU, Arti, 99.67 7, PFAKE LR, 20 16 10.0 +16, TLY, Talaya, 99.99 340, PFAKE LR, 20 16 10.0 +14, etc.

ISC/JB 05 20:02:50.7r,0.6,5:39S;0.07x151.49E;0.08,h57km, mb4.5/18, Error ellipse: s-maj=12.7km s-min=8.2km, az=36.7, NEIC 05 20:02:54.6,0.7,5:43S;151.48E,h79km,7km,mb4.7/14, Error ellipse: s-maj=9.1km s-min=5.7km az=122.0, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like AML Almayashu, KBK Karagaybulak, AAK Ala-Archa, etc.

RSNC 05 22:44:03.2-0.9, 2.40N-78.15W, h74km, gkm, ML3.3, M3.3

IGQ 05 22:44:05.0-8.0, 2.2N, 6.7W, 1.6, h12km, ML4.3/3

ISC 05 22:43:57.8-1.4, 2.27N, 0.04-78.25W, 0.05, h12km, 11km, n47, s129/63, 1C-1D, Near west coast of Colombia

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like GRGC Isla de Gorgon, CPAS2 Pasto, CRUC La Cruz, etc.

NNC 05 22:58:22.0-2.4, 39.74N-74.74E, h0km, mb3.6, mpv3.2, Error: s-maj=22.8km, s-min=7.2km, az=169.0

SOME 05 22:58:22.5-39.74N-74.74E, h15km

KRNET 05 22:58:22.1-0.1, 39.74N-74.74E, mb3.1

ISCJB 05 22:58:24.6-1.0, 39.73N-0.05-74.68E-0.05, h10km, Error ellipse: s-maj=8.3km, s-min=4.3km, az=155.2

ISC 05 22:58:25.2-1.3, 39.93N-0.06-74.71E-0.03, h10km, n39, s183/68, 20C-24D, Southern Xinjiang

Main table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like SFK Sufi-Kurgan, SFK Sufi-Kurgan, SFK Sufi-Kurgan, etc.

MOS 05 23:04:23.8-1.2, 53.37N-108.47E, h9km, mb4.2/6, Error ellipse: s-maj=10.0km, s-min=7.3km, az=69.0

BYKL 05 23:04:24.3-0.2, 53.30N-108.48E, h13km, 3km, Mw3.3/10(IE), FELT I=I MSK at Onguren. #STATIONS

MA2 PET INCN SSE ENH XAN KURK BRVK ARU KIEV

BUI 05 23:04:25.8, 53.26N-108.37E, h14km, mb3.9/8, mb4.5/5, Ms4.3/4, Ms7.4/3

IDC 05 23:04:25.0-0.8, 53.25N-108.35E, h0km, mb3.8/12, mb1.4/0.16, mb1mx3.8/4.7, mbtmp3.8/16, ML3.3/4, MS3.4/19, Ms1.3/19, ms1mx3.3/3.8, Error ellipse: s-maj=19.5km, s-min=14.6km, az=55.0

NEIC 05 23:04:26.1-0.6, 53.35N-108.38E, h10km, mb4.1/2, Error ellipse: s-maj=12.7km, s-min=11.1km, az=56.0

ISC 05 23:04:24.8-0.5, 53.32N-108.49E-0.02, h10km, n88, s256/133, mb3.9/13, MS3.3/14, 7C-9D, Lake Baykal region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like Code Station Name, Az, AZ, Phase ID, Time, Res, h m s, ISC

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like KELR Kotokel, OGRR Ongureny, OGRR Ongureny, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like Code Station Name, Az, AZ, Phase ID, Time, Res, h m s, ISC

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 Alice Springs, Warramunga Arr, etc.

IDC 06 00:04:55.1-2.6, 29.945S-176.09W, h0km, mb3.6/2, mb1 4.0/3, mb1mx3.6/39, mbtmp3.8/3, ML3.5/1, MS3.5/1, Ms1 3.5/1, ms1mx2.7/21, Error ellipse: s-maj=48.4km s-min=43.3km az=111.0, Kermaec Islands 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. Includes stations like Raoul Island, Warramunga Arr, etc.

IDC 06 00:18:08.6-4.3, 10.91N-126.00E, h0km, mb3.3/3, mb1 3.5/3, mb1mx3.3/25, mbtmp3.3/3, Error ellipse: s-maj=352.3km s-min=27.9km az=65.0, Leyte

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 Warramunga Arr, Alice Springs, etc.

ISCJB 06 00:21:09.6-0.3, 24.56N-102.121.84E, h0km, mb3.2km, Error ellipse: s-maj=3.2km s-min=2.6km az=161.4, JMA 06 00:21:09.8-0.2, 24.52N-121.83E, h70km, mb3.2, M3.2 TAP 06 00:21:10.1, 24.53N-121.83E, h69km, ML3.7, B ISC 06 00:21:10.0-0.1, 24.55N-103.121.84E, h74km, 5km, n100, 0.676/158, 27C-BD, Taiwan

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like Suao, Nanao, etc.

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 ENA Nanau, ILA, TWE, etc.

IDC 06 00:26:43.9-2.1, 1.82N-126.10E, h0km, mb3.3/3, mb1 3.6/3, mb1mx3.3/25, mbtmp3.3/3, Error ellipse: s-maj=179.5km s-min=25.8km az=65.0, Northern Molucca 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. Includes stations like Warramunga Arr, Alice Springs, etc.

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 NSY Sanyl, TWQ1 Lyutan, etc.

IDC 06 00:33:30.9-1.4, 11.59S-120.16E, h0km, mb4.0/3, mb1 4.1/7, mb1mx3.8/37, mbtmp3.9/7, ML3.8/4, Error ellipse: s-maj=41.1km s-min=21.5km az=41.0, ISCJB 06 00:33:32.4-0.4, 11.70S-120.04E, h33km, mb4.7/7, Error ellipse: s-maj=7.4km s-min=4.7km az=137.0, NEIC 06 00:33:33.6-2.0, 11.65S-120.19E, h24km, 16km, mb4.2/4, Error ellipse: s-maj=9.0km s-min=6.1km az=221.0, DJA 06 00:33:41.2-0.7, 11.57S-120.0E, h10km, M3.8/m, mb4.0/1, ISC 06 00:33:34.0-0.7, 11.64S-106.120.28E, h35km, n33, c=270/39, mb4.4/7, South of Sumba

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 WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Rows include BKSI Bulukumba, JAGI Jajaj, FITZ Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Rows include MXZ Matakaoa Point, WMGZ Waiomatatini S, PKGZ Pakihiroa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Rows include CNGZ Carnagh Statio, PUZ Puketiti, TWGZ Tauwhareparae, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Rows include RAO Raoul Island, SPAO Spitsbergen Ar, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Rows include RAO Raoul Island, URZ Urewera, AFI Afiamalu, etc.

ISC/JB 06:00:58:0.1, 42.92S, 0.1x82.9W, 0.1, h10km, mb4.3/10, MS3.7/6, Error ellipse: s-maj=15.9km s-min=10.9km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Rows include CHRN Curranehue, GO06 Curarrehue, PLCA Paso Flores, etc.

ISC 06:01:03:26.0:13.0, 21.66N, 123.43E, h0km, mb4.3/3, mb1 3.7/3, mb1mx3.6/34, mbtmpp4.3/3, Error ellipse: s-maj=35.2.1km s-min=35.2km az=30.0, Southeast of Taiwan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Rows include CMAR Chiang Mai Arr, WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Rows include HSPB Hornsund (broa), SPAO Spitsbergen Ar, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Rows include SPITS Spitsbergen Ar, SPITS Kingsbay, KBS Kingsbay, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Rows include JMOJ Bjornoya, BJO Bjornoya, HOPEN Hopen, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Rows include DAG Danmarks Havn, JNE Jan Mayen West, JMW Jan Mayen East, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Rows include ARAO ARCES Array S, ARCS ARCES Array B, ARCS ARCES Array S, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Rows include ARCS ARCES Array S, ARCS ARCES Array S, ARCS ARCES Array S, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Rows include ARCS ARCES Array S, ARCS ARCES Array S, ARCS ARCES Array S, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Rows include ARCS ARCES Array S, ARCS ARCES Array S, ARCS ARCES Array S, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Rows include ARCS ARCES Array S, ARCS ARCES Array S, ARCS ARCES Array S, etc.

Table with columns: BRG, Berggiesshubel, 25.41 171, eP, P, 01 25 03.0 +0.8, etc. Includes rows for Berggiesshubel, Panska Ves, Novy Kostel, Dobruska-Polom, etc.

Table with columns: ZALV, Zalesovo Beam, 35.45 83, eP, P, 01 26 30.9 +0.1, etc. Includes rows for Zalesovo Beam, Krasnoyarsk, Kurchatov, etc.

Table with columns: WMQ, WMQ, comp=Z,21nm,1.1s, sP, pmax, 01 28 02.7 +3.9, etc. Includes rows for Jabal al Asfar, Songino Array, etc.

Table with columns: ASAR, Alice Springs, 24.16 157 P, P, 02 21 07.2 -0.3, etc.

NIED 06 02:30:00.23:30N.121:30E, h47km, Mw3.7. Best double couple: M4:14000-1014, N1:151,00000, S:878,00000, ...

Main table for 2012 OCT, columns: Code, Station Name, Delta A, Delta Z, Phase, ID, Time, Res, ISC

Main table for 2012 OCT, columns: MASBT, NACB, CHN3, CHN3, SGLT, TWMT, EAST, WLGW, WLGW, TDCB, CHN8, CHN8, SCLT, TCU, SCZT, WCHH, WSF, WSF, RLNB, NNSB, WTCT, NNS, ENA, NANS, TWQ1, WLCB, TWP, NSY, NSY, HEN, NMLH, TWK1, TWKBT, ENT, TSEB, YHNB, TWC, NSTT, NSK, NSK, LIOB, EOS1, SLBB, WDGT, PHUB, PNG, PNG, TWB1, TWS1, NWF, WFSB, YJNG, YM01, YM04, YM05, YOJ, YOJ, YOJ, YM11, YM07, HATJ, IRIF, VWUC, JKRS, PTTC, PTMZ, JIJ, JIJ, JIJ, JISG, KNMB, MATB, JIJ, JIJ, ZPLA, MHZO, LYYJ, JIRB, XPSB

DRS 06 02:47:19.8:0.0, 41.88N:46.46E, h15km
MOS 06 02:47:19.5:0.0, 42.08N:46.75E, h51km, 1km, MPVA2.8
ISCJB 06 02:47:20.3:1.8, 42.14N:0.07:46:81E:0.08, h66km, 14km,

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, ID, Time, Res, ISC

IDC 06 02:47:21.1:2.3, 42.13N:0.07:46:80E:0.06, h58km, 19km, n7, 0.09/14, Eastern Caucasus

IDC 06 02:59:05.0:8.1, 12.74N:0.08:93.79E:0.06, h100km, n36, c264/40, mb4.0/12, Andaman Islands region

Main table for 6d 3h, columns: Code, Station Name, Delta A, Delta Z, Phase, ID, Time, Res, ISC

TEH 06 03:01:13.0, 28:35N:55:94E, h6km, ML3.2
ISCJB 06 03:01:14.3:0.4, 28:31N:0.03:55:94E:0.06, h10km, mb3.7/3, Error ellipse: s-maj=7.9km s-min=4.5km az=167.3

IDC 06 03:01:15.7:1.5, 27:42N:54:85E, h0km, mb3.7/3, mb1 3.7/4, mb1mx3.3/40, mbtmp3.7/4, ML3.2/1, Error ellipse: s-maj=34.0km s-min=26.1km az=35.0

Main table for 6d 3h, columns: Code, Station Name, Delta A, Delta Z, Phase, ID, Time, Res, ISC

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ASHO, ASUD, ISAD, ICHK, etc.

SJA 06 03:18:11.4-0.6,32.24S:72.42W,h11km,2km,ML4.5, MW4.5
ISCJB 06 03:18:11.8-1.1,32.15S:72.55W,0.03,h9km,7km, mb4.5/23, Error ellipse: s-maj=4.7km s-min=4.2km az=159.0

NEIC Felt at Los Vilos, Santiago and Vina del Mar,
ISC 06 03:18:14.6-1.2,32.17S:72.20W,0.04,h9km,7km, n104,e1943/127,mb4.7/23,8C-1D,Off coast of central Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ROC1, ROC2, ROC3, etc.

Main table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like RTLL, RTLL, RTLL, etc.

NIED 06 03:24:00.39,20N:142.50E,h29km,Mw3.8. Best double couple: Ms=2.6000,1014 NP1=42.0000, 812.0000, 1-78.0000, NP2=210.0000, 678.0000, 1-93.0000.
ISCJB 06 03:24:38.9-1.1,39.21N:0.04:142.45E,0.10, h43km,10km,mb3.7/8, Error ellipse: s-maj=13.1km s-min=5.9km az=16.3

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

ISC 06 03:40:01.8-0.4,23.86N:45.75W,h0km,mb4.5/28, mb1.4/30,mb1mx4.6/39,mbtmp4.5/30,ML3.9/2,MS4.3/33, MS1.4/33,ms1mx4.3/36,Error ellipse: s-maj=13.5km s-min=10.1km az=138.0
ISCJB 06 03:40:01.8-0.2,23.79N:0.03:45.67W,0.02,h10km, mb4.8/267,MS4.3/43, Error ellipse: s-maj=4.3km s-min=2.1km az=168.4

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ANWB, H05N1, etc.

STVI	Saint Thomas	18.67	257	eP	P	03 44 22.8	+0.5
CDVI	St. Croix	18.72	255	eP	Pn	03 44 23.9	+0.6
TOSP	Speyside	18.74	231	e	Pn	03 44 28.5	+4.9
GRSS	Sisters	18.87	235	e	Pn	03 44 30.8	+5.6
GRHS	Sauteurs	18.94	235	e	Pn	03 44 28.9	+2.9
BOT	Bacolef	18.96	231	e	Pn	03 44 31.7	+5.5
TPR	Prospect	18.99	231	e	Pn	03 44 32.3	+5.7
CBYP	Canovanas	19.50	257	eP	P	03 44 32.2	+0.6
MDP	Montagnes des	19.73	201	eP	P	03 44 33.8	-0.2
TRN	comp-Z, 614nm, 18.6s, baz=11, slow=32				LR	03 50 41.5	
MDP	Trinidad (W)	19.81	231	e	Pn	03 44 43.3	+6.9
SJG	San Juan	19.82	257	eP	P	03 44 35.2	+0.3
SJG	comp-Z, 973nm, 21.5s, baz=69, slow=32				LR	03 50 32.5	
SJG	San Juan	19.82	257	eP	P	03 44 35.5	+0.5
SJG	San Juan	19.82	257	eP	P	03 44 35.5	+0.5
ICMP	Isla Caja de M	20.24	257	eP	P	03 44 40.6	+1.2
AGP	Aguadilla	20.61	259	eP	Pn	03 44 45.1	-0.7
MPR	Mayaguez	20.67	258	eP	P	03 44 45.0	+0.7
PCRV	Puerto La Cruz	22.50	236	eP	P	03 45 04.0	0.0
PCRV	comp-Z, 7.8nm, 0.7s, baz=30, slow=6.4, SNR=7.5				LR	03 52 27.6	
HAL	Halifax	25.35	329	eP	P	03 45 31.0	-0.1
HAL	Halifax	25.35	329	eP	P	03 45 31.0	-0.1
PMOZ	Porto Moniz, M	26.67	64	eLQ	LQ	03 50 57.2	
PMOZ	comp-Z, 722nm, 22.0s				eLR	03 51 58.8	
PMAR	Madeira	26.88	64	eP	P	03 45 43.4	-2.0
SDV	Santo Domingo	28.00	242	eP	P	03 45 55.3	-0.2
SDV	comp-Z, 1.9nm, 1.1s, baz=51, slow=4.3, SNR=8.8				LR	03 55 52.8	
SDV	Santo Domingo	28.00	242	eP	P	03 45 55.4	-0.2
PTGA	Pitinga	28.01	211	eP	P	03 45 55.0	-0.4
PTGA	comp-Z, 846nm, 18.9s, baz=28, slow=34				LR	03 56 01.1	
PTGA	Pitinga	28.01	211	eP	P	03 45 55.7	+0.3
HRV	Adam Dziewiosk	28.33	317	eP	P	03 45 57.7	-0.3
HRV	Adam Dziewiosk	28.33	317	eP	P	03 45 57.7	-0.3
PQI	Presque Isle	28.96	327	eP	P	03 46 03.9	+0.4
HNH	Hanover	29.43	319	eP	P	03 46 08.8	+1.0
N59A	State Game Lan	30.32	311	eP	P	03 46 16.9	+1.1
N59A	State Game Lan	30.32	311	eP	P	03 46 16.5	+0.8
MVL	Millersville	30.35	309	eP	P	03 46 17.3	+1.4
NCB	Newcomb	30.76	318	eP	P	03 46 20.7	+1.1
FRNY	Flat Rock	30.84	320	eP	P	03 46 21.1	+0.9
BINY	Binghamton	31.02	314	eP	P	03 46 22.6	+0.6
SSPA	Standing Stone	31.68	310	eP	P	03 46 28.7	+1.0
SSPA	Standing Stone	31.68	310	eP	P	03 46 28.4	+0.7
O56A	Blue Knob Stat	32.03	309	eP	P	03 46 32.4	+1.6
O56A	Blue Knob Stat	32.03	309	eP	P	03 46 31.4	+0.6
BLA	Blacksburg	32.49	302	eP	P	03 46 35.2	+0.4
BLA	Blacksburg	32.49	302	eP	P	03 46 35.3	+0.4
BLA	Blacksburg	32.49	302	eP	P	03 46 35.7	+0.8
JSC	Jenkinsville	32.56	297	eP	P	03 46 36.6	+1.1
JSC	Jenkinsville	32.56	297	eP	P	03 46 36.6	+1.1
N54A	Moraine State	33.29	309	eP	P	03 46 42.5	+0.7
ROSC	El Rosal	33.33	240	LR	LR	04 01 03.2	
Y54A	Tignall	33.67	296	eP	P	03 46 45.8	+0.6
P53A	Whipple	33.83	306	eP	P	03 46 47.6	+1.1
P53A	Whipple	33.83	306	eP	P	03 46 47.3	+0.7
U53A	Fall Branch	33.99	300	eP	P	03 46 49.2	+1.2
V53A	Saluda	34.05	299	eP	P	03 46 49.6	+1.1
V53A	Saluda	34.05	299	eP	P	03 46 49.5	+0.9
W53A	Cullowhee	34.25	298	eP	P	03 46 51.4	+1.0
X53A	Estanollee	34.26	297	eP	P	03 46 51.8	+1.4
GOGA	Godfrey	34.26	295	eP	P	03 46 51.0	+0.6
Z53A	Monticello	34.34	295	eP	P	03 46 51.7	+0.7
Q52A	Bidwell	34.34	305	eP	P	03 46 51.5	+0.5
Y53A	Monroe	34.41	296	eP	P	03 46 52.6	+0.9
MORF	Marmetele	34.48	58	eP	P	03 46 52.0	-0.2
U52A	Thorn Hill	34.62	300	eP	P	03 46 54.4	+1.0
SCHQ	Schefferville	34.71	339	eP	P	03 46 52.6	-1.3
SCHO	comp-Z, 452nm, 20.5s, baz=158, slow=1.4				LR	03 59 27.0	
X52A	Dahlonega	34.76	297	eP	P	03 46 55.9	+1.2
TZTN	Tazewell	34.79	300	eP	P	03 46 55.8	+0.8
TZTN	Tazewell	34.79	300	eP	P	03 46 55.9	+1.0
W52A	Murphy	34.86	298	eP	P	03 46 56.7	+1.2
W52A	Murphy	34.86	298	eP	P	03 46 56.2	+0.7
N51A	Ashland	34.98	308	eP	P	03 46 57.1	+0.6
PCVE	Castro Verde	35.02	58	eP	P	03 46 55.6	-1.3
PBDV	Barranco-do-ve	35.03	59	eP	P	03 46 56.7	-0.3
S51A	Beattyville	35.05	302	eP	P	03 46 58.4	+1.3
S51A	Beattyville	35.05	302	eP	P	03 46 58.0	+0.9
P51A	Williamsport	35.08	305	eP	P	03 46 58.0	+0.6
U51A	La Follette	35.13	300	eP	P	03 46 58.6	+0.7
Q51A	Peebles	35.17	305	eP	P	03 46 59.2	+1.0
Q51A	Peebles	35.17	305	eP	P	03 46 59.2	+1.0
R51A	Hillsboro	35.18	303	eP	P	03 46 59.3	+1.1
T51A	Gray	35.18	301	eP	P	03 46 58.9	+0.6
PTOM	Tomar	35.21	54	eP	P	03 46 57.0	-1.5
PVAQ	Vaqueiros	35.23	58	eP	P	03 46 58.0	-0.6

PVAQ	comp-Z, 42nm, 1.5s				eLQ	LQ	03 54 20.4	
PVAQ	comp-Z, 686nm, 18.3s				eLR	LR	03 56 01.6	
PBEJ	comp-Z, 19nm, 1.3s	35.24	57	eP	P	03 46 59.5	+0.7	
PCAS	Casmilo, Conde	35.26	54	eP	P	03 46 58.0	-0.9	
X51A	Calhoun	35.54	297	eP	P	03 47 02.4	+1.0	
Q50A	Georgetown	35.61	304	eP	P	03 47 02.6	+0.7	
PESTR	Estremoz	35.64	56	eP	P	03 47 01.2	-1.0	
P50A	Jamestown	35.66	305	eP	P	03 47 03.6	+1.3	
S50A	Richmond	35.68	302	eP	P	03 47 03.7	+1.2	
R50A	Miami	35.75	303	eP	P	03 47 04.2	+1.1	
U50A	Jamestown	35.80	300	eP	P	03 47 04.4	+0.8	
V50A	Jamestown	35.89	298	eP	P	03 47 05.0	+0.6	
PV15	Viseu	35.89	53	eP	P	03 47 03.0	-1.4	
T50A	Nancy	35.90	301	eP	P	03 47 05.8	+1.4	
PBAR	Barrancos	35.91	57	eP	P	03 47 03.0	-1.5	
PMRV	Marv??o	35.92	55	eP	P	03 47 03.5	-1.2	
PMRV	comp-Z, 24nm, 1.4s				eLR	LR	03 56 24.1	
PGAV	Gavielra, Arco	35.99	51	eLR	LR	03 56 24.1		
W50A	Signal Mountai	35.99	298	eP	P	03 47 06.1	+0.8	
W50A	Signal Mountai	35.99	298	eP	P	03 47 06.1	+0.8	
MTE	Mantias	36.06	53	eP	P	03 47 03.8	-2.1	
MTE	comp-Z, 891nm, 20.0s				eLR	LR	03 56 33.5	
MTE	Mantias	36.06	53	eP	P	03 47 05.0	-0.8	
PCAB	Cabril	36.09	51	eP	P	03 47 04.8	-1.2	
POLO	Lamas de Olo	36.15	52	eP	P	03 47 05.8	-0.9	
X50B	Fort Payne	36.18	296	eP	P	03 47 08.0	+1.1	
O49A	Covington	36.21	306	eP	P	03 47 07.1	+0.1	
Z50A	Ashland	36.30	294	eP	P	03 47 09.2	+1.3	
Z50A	Ashland	36.30	294	eP	P	03 47 09.2	+1.3	
P49A	Mitl Univ. Ec	36.33	305	eP	P	03 47 08.7	+0.6	
150A	Eclectic	36.34	293	eP	P	03 47 09.4	+1.1	
L49A	Milan	36.34	309	eP	P	03 47 08.8	+0.6	
Q49A	Aurora	36.34	304	eP	P	03 47 09.2	+1.0	
S49A	Springfield	36.39	302	eP	P	03 47 09.1	+0.5	
R49A	Shelbyville	36.40	303	eP	P	03 47 09.7	+1.0	
T49A	Edmonton	36.46	301	eP	P	03 47 10.2	+0.9	
T49A	Edmonton	36.46	301	eP	P	03 47 10.4	+1.1	
V49A	McMinville	36.55	298	eP	P	03 47 10.7	+0.7	
U49A	Red Boiling Sp	36.56	300	eP	P	03 47 10.6	+0.5	
MVO	Moncorvo	36.65	52	eLR	LR	03 56 46.6		
SAML	Samuel	36.73	210	eP	P	03 47 11.1	-0.5	
SAML	Samuel	36.73	210	eP	P	03 47 11.1	-0.5	
X49A	Woodville	36.74	296	eP	P	03 47 12.8	+1.1	
Y49A	Blount Mountai	36.75	295	eP	P	03 47 12.4	+0.6	
W49A	Belvidere	36.76	297	eP	P	03 47 12.5	+0.6	
K48A	Perry	36.81	310	eP	P	03 47 12.5	+0.4	
P48A	Milroy	36.84	305	eP	P	03 47 12.6	+0.1	
Q48A	North Vernon	36.96	304	eP	P	03 47 13.9	+0.4	
R48A	Northridge Ran	36.96	303	eP	P	03 47 14.8	+1.3	
S48A	Wedeman Farm,	36.97	301	eP	P	03 47 14.0	+0.5	
PBRG	Braganca	37.03	51	eP	P	03 47 13.4	-0.7	
T48A	Bowing Green	37.14	301	eP	P	03 47 16.1	+1.1	
U48A	Cassie Pea, Po	37.16	300	eP	P	03 47 15.6	+0.4	
LRAL	Lakeview Retre	37.18	294	eP	P	03 47 16.0	+0.6	
HORN	Hornachuelos	37.23	58	eP	P	03 47 15.0	-0.8	
WCI	Wyandotte Cave	37.25	302	eP	P	03 47 16.6	+0.7	
WCI	Wyandotte Cave	37.25	302	eP	P	03 47 16.7	+0.7	
WCI	Wyandotte Cave	37.25	302	eP	P	03 47 17.1	+1.1	
V48A	Smith Brothers	37.29	298	eP	P	03 47 17.4	+1.1	
V48A	Smith Brothers	37.29	298	eP	P	03 47 17.2	+0.9	
W48A	Pulaski	37.31	297	eP	P	03 47 17.7	+1.3	
X48A	Hartselle	37.33	296	eP	P	03 47 18.1	+1.4	
X48A	Hartselle							

6d 3h

Table with columns: Call Sign, Name, Frequency, Power, and other technical details. Includes stations like W40A Witts Springs, U40A Yellville, L39A Vinton, etc.

2012 OCT

Table with columns: Call Sign, Name, Frequency, Power, and other technical details. Includes stations like BFO Danuets, BFO Black Forest, SUMG Summit, etc.

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Table with columns: Call Sign, Name, Frequency, Power, and other technical details. Includes stations like K22A Casper, K22A Caspe, PRA Prague, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like Podgorica, Inland Meadow, TPAW, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like Granite Mounta, Turquoise Moun, Topopah Spring, etc.

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

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Baja California, Sierra La Lagu, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like KKN, DMN, GKN, NRIK, PSI, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like HYT, INK, PALK, WHY, SKAG, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like FFC, NC204, KVN, KVN, NB2, etc.

6d 7h

UCR 06 05:36:41.7:1.3, 10.48N:84.79W, h102km, 4km, MD3.8, Costa Rica

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ARE1 Arenal 1, CUI Cuipitapa, MESS Mesas, etc.

ROM 06 05:37:30.9:0.1, 44.624N:0.006:7.26E:0.02, h11km, 1km, ML0.7/1, Northern Italy

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DOI San Damiano, PZZ Stroppo, etc.

MEX 06 05:45:06.2:0.8, 16.28N:98.14W, h9km, 3km, MD3.5, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PNIG Pinotepe, TLIG Tlapa, etc.

ISC 06 05:45:49.6:1.3, 24.48N:127.36E, h0km, mb3.8/4, mb1 4.0/5, mb1mx3.6/40, mbtmp3.9/5, ML3.8/1, Error ellipse: s-maj=62.7km s-min=22.5km az=75.0

ISCJB 06 05:52:6.0:7.2, 60N:0.05:127.39E:0.04, h47km, mb3.8/4, Error ellipse: s-maj=7.6km s-min=3.5km az=144.4

JMA 06 05:45:52.1:0.3, 24.56N:127.45E, h66km, M3.3, ISC 06 05:45:53.7:0.9, 24.50N:0.06:127.49E:0.05, h47km, n23, 4248/35, mb3.8/4, Southeast of Ryukyu Islands

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JTT3 Tamagusuku3, JOGS Gusekubue, etc.

ISC 06 05:46:41.8:1.9, 2.78N:127.20E, h0km, mb3.4/4, mb1 3.7/4, mb1mx3.4/36, mbtmp3.5/4, MS2.7/1, Ms1 2.7/1, ms1mx2.3/23, Error ellipse: s-maj=12.5km s-min=23.4km az=70.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TGY Tagaytay City, FITZ Fitzroy Crossi, etc.

MEX 06 05:49:24.3:25.0, 24.83N:110.95W, h16km, MD3.5, Baja California

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HPIG La Paz, LPIG Sierra La Lagu, etc.

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IDC 06 05:52:52.1:0.9, 15.52N:88.73W, h0km, mb3.9/6, mb1 4.0/9, mb1mx3.7/40, mbtmp3.8/9, ML3.2/2, MS3.4/6, Ms1 3.5/6, ms1mx3.0/40, Error ellipse: s-maj=22.2km s-min=13.6km az=176.0

NEIC 06 05:52:52.8:0.7, 13.12N:90.86W, h35km, mb4.0/30, Error ellipse: s-maj=13.2km s-min=6.2km az=211.0

ISC 06 05:52:48.5:3.0, 13.09N:0.08:91.03W:0.05, h8km, 17km, n87, 1565/86, mb4.0/28, MS3.4/5, Near coast of Guatemala

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CEVE Cerro Verde, SBLS San Blas, etc.

APG comp=2.54nm, 0.3s, baz=283, slow=20, SNR=6.6

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like APG El Apazote, LFRS El Faro, etc.

TECA Tecapa, VSM San Miguel, LCND La Cañada, etc.

CNCH Conchagua, CCIG Comitán, CSGN Cosiguina Volc, etc.

CMIG comp=2.17nm, 0.3s, baz=233, slow=13, SNR=4.2

CMIG comp=2.496nm, 18.0s, baz=148, slow=43

CMIG Matias Romero, JTS JuntasAbangare, etc.

JTS JuntasAbangare, ESPN Las Esperanzas, etc.

HPIG comp=2.4.0nm, 0.9s, etc.

TX31 Lajitas Ar. Si, TXAR Lajitas Array, etc.

TXAR Lajitas Array, LRL Lajitas Retire, etc.

SDV Santo Domingo, SDV Santo Domingo, etc.

Z50A Ashland, ABTX Abilene, Hawle, etc.

MIAR Blount Mountain, MIAR Mount Ida, etc.

X48A Hartselle, PLWL Pickwick Lake, etc.

SWET Sewanee, SW40 Witts Springs, etc.

MNTX Crutches Mount, CPCT Cooper Cave, etc.

TKL Tuckaleechee Ch, T47A Sharon Grove, etc.

TZTN Tazewell, T49A Edmonton, etc.

S39A Bolivar, BNM Barren Site, etc.

ANMO Albuquerque, ANMO Albuquerque, etc.

LCMT Little Creek M, PIGA Pitinga, etc.

REDW Red Top Meadow, TPWA Teton Pass, etc.

NV01 Mina Array ST, NVAR Mina Array BA, etc.

NVAR Mina Array BA, NVAR Mina Array BA, etc.

MCMT McKenzie Canyo, BOZ Bozeman (W), etc.

ILAR Eielson Array, ILAR Eielson Array, etc.

ILAR Eielson Array, MLY Manley, etc.

COLD Coldfoot, SPITS Spitsbergen Ar, etc.

NOA NORSAR Array B, DBIC Dimboko, etc.

DBIC Dimboko, TORO Torodi Ar. Bea, etc.

TORD Torodi Ar. Bea, WRA Warrungarra Arr, etc.

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TORD Torodi Ar. Bea, WRA Warrungarra Arr, etc.

WRA Warrungarra Arr, CMAR Chiang Mai Arr, etc.

CMAR Chiang Mai Arr, CM01 Chiang Mai Arr, etc.

IDC 06 05:57:53.4:5.9, 17.93S:70.01W, h119km, 36km, mb3.2/3, mb1 3.9/4, mb1mx3.2/36, mbtmp3.8/6, MS2.7/1, Ms1 2.7/1, ms1mx2.4/7, Error ellipse: s-maj=76.4km s-min=26.4km az=26.0, Near coast of Peru

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LPAZ La Paz, SIV San Ignacio, etc.

IDC 06 06:11:20.2:7.3, 2.79N:126.75E, h0km, mb3.7/4, mb1 3.9/4, mb1mx3.5/35, mbtmp3.7/4, Error ellipse: s-maj=120.3km s-min=97.2km az=127.0, Northern Salween Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FITZ Fitzroy Crossi, WRA Warrungarra Arr, etc.

IDC 06 06:15:10.2:15.0, 2.31S:127.53E, h443km, 152km, mb2.7/2, mb1 2.9/4, mb1mx2.6/35, mbtmp3.5/4, Error ellipse: s-maj=152.1km s-min=128.0km az=5.0, Ceram Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FITZ Fitzroy Crossi, WRA Warrungarra Arr, etc.

IDC 06 06:54:30.0:1.0, 11.51S:120.23E, h0km, mb4.2/7, mb1 4.3/10, mb1mx4.0/39, mbtmp4.2/10, ML4.2/3, MS2.8/2, Ms1 2.8/2, ms1mx2.4/32, Error ellipse: s-maj=28.9km s-min=19.8km az=58.0

ISCJB 06 06:54:31.3:0.7, 11.85S:0.06:120.24E:0.07, h33km, mb4.2/7, Error ellipse: s-maj=10.4km s-min=8.3km az=141.8

ISC 06 06:54:33.9:0.8, 11.80S:0.07:120.35E:0.08, h35km, n13, 4343/16, mb4.3/7, South of Sumba

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BATI Baunata, FITZ Fitzroy Crossi, etc.

ISCJB 06 07:23:30.5:0.3, 44.16N:0.02:7.24E:0.03, h13km, 3km, Error ellipse: s-maj=3.8km s-min=2.4km az=157.7

LDG 06 07:23:30.5:0.1, 44.22N:0.01:7.27E:0.01, h12km, Mtd2.5/2, Error ellipse: s-maj=2.3km s-min=1.5km az=65.0

ROM 06 07:23:30.7:0.1, 44.604N:0.009:7.23E:0.02, h14km, 2km, ML1.6/11

STR 06 07:23:30.3:0.8, 45.45N:3.33E, h0km, ML1.6/4

GEN 06 07:23:30.9:4.4, 62N:7.25E, h12km, 1km, ML1.3

ISC 06 07:23:30.9:0.9, 44.63N:0.02:7.28E:0.02, h13km, 6km, n38, 0950/69, Northern Italy

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

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like WAKR Walker, VNA1 Neumayer-Stat, YBH Yreka Blue Hor, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like WHY Whitehorse, BOZ Bozeman (W), HDB Harding Lake, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like CLL comp=Z,1.0nm,0.6s, CLL comp=Z,1.7nm,0.7s, etc.

GCMT 06 08:35:34.8,0.9, 19:57N,0:04,109:16W,0.04, h31km,2km, MM4.8/63, Moment Tensor, s16:c17, s63,c89; Duration: 0 Moment tensor; Scale 1016Nm; Mw-0.36;11; Mw-1.85; 15; Mw-2.22; 15; Mw-0.17; 19; Mw-0.64; 11; Mw-0.61; 19; Best double couple: M2:20500:1016 NP1:306.000000, s83.000000, s169.000000. NP2: 37.000000, s79.000000, s7.000000. Principal axes: T 2.4580, Plg13.0000, Azm261.0000; N -0.4990, Plg77.0000, Azm94.0000; P -1.9520, Plg3.0000, Azm352.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

IDC 06 08:35:36.8,1.0, 19:66N,108:92W, h0km, mb3.8/7, mb1 4/2/11, mb1mx3.9/40, mb2mx3.9/11, ML3.9/4, MS3.6/9, Ms1.3/6.9, ms1mx3.2/40 Error ellipse: s-maj=32.7km s-min=16.7km az=65.0

NEIC 06 08:35:37.8,0.5, 19:47N,108:96W, h10km, mb4.1/11, Error ellipse: s-maj=7.0km s-min=3.6km az=206.0

ISCJB 06 08:35:38.0,0.6, 19:53N,0:06,108:92W,0.04, h26km, mb4.1/5, MS3.5/4, Error ellipse: s-maj=9.1km s-min=3.8km az=26.0

ISC 06 08:35:40.0,0.9, 19:61N,0:09,108:97W,0.09, h26km, n222, s196/212, mb4.2/50, MS3.4/4, Revilla Gigeado

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like H06N1 SOCORRO T-PHAS 2,04 249, H06S1 CORRO T, etc.

Table with columns: ID, Name, Time, Az, El, P, R, Az, El, P, R. Includes stations like Mohawk Valley, GLA, LEMN, etc.

Table with columns: ID, Name, Time, Az, El, P, R, Az, El, P, R. Includes stations like 143A, NV01, NVAR, etc.

Table with columns: ID, Name, Time, Az, El, P, R, Az, El, P, R. Includes stations like J05D, W50A, W50A, etc.

IDC 06 08:39:55.2+1.1, 20N:126:64E, h0km, mb4.3/19, mb1.4/19, mb1mx2.4/29, mbtmp4.3/19, MS3.0/9, Ms1.3/0.9, ms1mx2.8/42, Error ellipse: s-maj=23.8km s-min=11.8km az=75.0

BUI 06 08:39:58.0, 11:20N:126:60E, h30km, mb4.5/7, mb4.8/1, MAN 06 08:39:59.3, 11:45N:126:53E, h24km, mb5.0, M4.0, MS4.0

NEIC 06 08:39:60.0, 2.1, 11:19N:126:57E, h30km, mb4.5/41, Error ellipse: s-maj=5.6km s-min=3.2km az=70.0

ISC 06 08:39:56.2+1.1, 11:26N:104:126.57E, 0.05, h5km, 6km, n133, 0975/138, mb4.5/57, 1C-1D, Philippine Islands region

Table with columns: Code, Station Name, Az, El, P, R, Az, El, P, R, Time, Res. Includes stations like BESP, PLP, PLP, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Pulchoki, Kakani, DMN, KOLN, DANN, PYUN, BBOO, NWAO, STKA, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Sierra La Lagu, La Paz, Santa Rosalia, etc.

Table with columns: PDAR, ORV, AHID, 447A, APG, REDW, BGNE, TPAW, LOHW, FXWY, MOOW, IMW, T42A, WVOR, FLWY, WDC, KMRM, RSSD, YMR, YBH, YHH, J08A, QLMT, KHMM, PLAL, MCMT, LRAL, RLMT, YBH, YBH, X48A, SIUC, N39A, GWT, BMO, LRM, Z50A, ECSD, B23A, CSGN, T47A, SWET, USIN, HRY, OLIL, X51A, Y52A, WCI, CPCT, HAWA, 154A, V51A, W52A, SFIN, TKL, TKL, BG3, MDND, LON, NEW, NEW, M46A, J08A, B78A, KMSC, Q51A, P53A, ULM, DIB, ROSC, YKA, SDV, SDV, SDV, SCHO, KDAK, ILAR, ILAR, ILAR, RKT, PTGA, LPAZ, PPT, PPT2

IDC 06:08:49:06:1.8, 23:35N-108:31W, h0km, mb3.6, 5, mb1 3.8/9, mb1mx3.7/49, mbtmp3.5/9, ML3.6/3, MS4.2/24, Ms1.4/2/24, ms1mx4.0/38, Error ellipse: s-maj=27.3km s-min=22.8km az=43.0

ISC 06:08:49:14.0, 0.7, 23:35N-108:108:88W, 0.04, h10km, n188, c255/150, mb4.4/45, MS4.1/19, Gulf of California

0.1nm, 0.3s, baz=152, slow=8.1, SNR=5.6 LR 09 01 11.7

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for Villa Florida, Brasilia, ARCES, ESDC, NRIK, FINES, MJAR, DZM.

ATH 06:08:51:10.8, 35.33N:27.86E, h11km, 3km, ML2.8/4, Error ellipse: s-maj=5.1km s-min=1.9km az=318.0

THE 06:08:51:12.7, 35.43N:27.78E, h9km, 4km, ML2.9/7, Error ellipse: s-maj=3.8km s-min=1.1km az=137.0

DDA 06:08:51:51.6, 35.53N:27.89E, h11km, M3.1, ISC 06:08:51:12.0-1.7, 35.39N:0.06:27.84E:0.05, h9km, 10km, n22, c0.97/40, Dodecanese Islands

Main table for 2012 OCT section 1, listing stations like Karpathos, Arkhangelos, Nisyros Isl, etc.

ISCJB 06:09:17:17.6:0.4, 37.24N:0.02:28.20E:0.03, h0km, Error ellipse: s-maj=3.7km s-min=3.0km az=34.5

DDA 06:09:17:17.8, 37.24N:28.20E, h7km, ML2.9, Suspected Mining explosion.

ISK 06:09:17:17.1, 37.23N:28.19E, h9km, ML2.3/9

ISC 06:09:17:17.0:0.8, 37.25N:0.03:28.14E:0.03, h0km, n20, c0.66/29, Turkey

Main table for 2012 OCT section 2, listing stations like Yerkesik, Milias, Tasuluk, etc.

IDC 06:09:27:34.6:0.5, 41.02N:88.30E, h0km, mb4.3/28, mb1.4/32, mb1mx4.3/58, mbtmp4.3/32, ML4.2/4, MS3.3/2, Ms1.3/2, ms1mx2.8/47, Error ellipse: s-maj=14.7km s-min=9.9km az=36.0

ISCJB 06:09:27:35.0:0.2, 41.15N:0.02:88.30E:0.02, h10km, mb4.5/79, MS4.2/8, Error ellipse: s-maj=3.3km s-min=2.4km az=28.7

BUI 06:09:27:36.3, 41.01N:88.31E, h8km, mb4.6/26, mb4.9/17, ML4.8/15, Ms4.1/18, Ms7.3/8/21

NNC 06:09:27:38.2:2.2, 41.18N:88.25E, h12km, 12km, mb5.1, mpv5.1, Error ellipse: s-maj=14.9km s-min=13.2km az=134.0

MOS 06:09:27:39.1:0.9, 41.14N:88.30E, h36km, mb4.7/24, MS4.0/4, Error ellipse: s-maj=6.9km s-min=4.2km az=114.4

NEIC 06:09:27:40.3:0.5, 41.13N:88.33E, h36km, 4km, mb4.7/27, Error ellipse: s-maj=4.4km s-min=3.5km az=182.0

ISC 06:09:27:37.7:0.3, 41.20N:0.04:88.35E:0.03, h10km, n266, c1.75/282, mb4.5/79, MS4.1/9, 38C-26D, Southern Xinjiang

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for Podgornoye, Makanchi Array, etc.

PDGK 240nm, 0.7s

PDGK 60nm, 0.7s

PDGK 240nm, 0.9s

PDGK 280nm, 0.7s

PDGK 38nm, 0.4s

PDGK 61nm, 0.7s

PDGK 74nm, 0.6s

PDGK 32nm, 0.3s

PDGK 14nm, 0.3s

PDGK 12nm, 0.3s

PDGK 184nm, 18.7s

PDGK 83nm, 0.5s

PDGK 54nm, 0.5s

PDGK 89nm, 1.0s

PDGK 116nm, 0.9s

PDGK 116nm, 0.9s

PDGK 54nm, 0.5s

PDGK 89nm, 1.0s

PDGK 116nm, 0.9s

PDGK 54nm, 0.5s

PDGK 89nm, 1.0s

PDGK 48nm, 1.0s

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for DHRM, SALR, DANN, etc.

comp=Z,210nm,4.3s

comp=Z,770nm,11.6s

comp=Z,760nm,10.0s

comp=Z,980nm,14.1s

comp=Z,220nm,0.6s

comp=Z,4.5nm,0.9s

comp=Z,7.1nm,0.6s

comp=Z,28nm,0.6s

comp=Z,2.28nm,0.9s

comp=Z,2.28nm,0.9s

comp=Z,0.5nm,0.3s

comp=Z,0.5nm,0.3s

comp=Z,10.0nm,2.5s

comp=Z,10.0nm,2.5s

comp=Z,37nm,0.8s

comp=Z,37nm,0.8s

comp=Z,16nm,0.7s

comp=Z,14nm,1.3s

comp=Z,28nm,0.7s

comp=Z,320nm,4.8s

comp=Z,1.1um,8.2s

comp=Z,2.1um,9.1s

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for DHRM, SALR, DANN, etc.

Table with columns: AAK, Alar-Archa, 1.49 287, P, Pb, 09 57 20.3 +0.4, etc. Includes stations like Karatobe, ARLS, KUU, SATY, CHHK, etc.

DJA 06 10:00:48.5-0.4, 1°S, 3°10'E, h10km, M3.8/7, MLV3.8/7, Southern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like PDSI, PPSI, SPSI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like PLP, SCPH, MSPL, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like MMR1, SOEI, CBIJ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like JAGI, KS15, KSAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like CM01, CMAR, FITZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like STKA, MK01, MK31, etc.

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

Table with columns: ARA0, ARCESS Array S, 83.40 340, P, P, 10 23 15.8 +0.4, etc. Includes stations like BR101, BRTR, FIAO, etc.

IS/CJB 06 10:10:58.2-0.4, 34°48'N, 0°05'138°50'E, 0°07, h247km, 3km, mb3.5/8, Error ellipse: s-maj=9.7km s-min=8.0km az=158.0

JMA 06 10:10:58.8-0.2, 34°44'N, 138°53'E, h243km, 2km, M3.4, IDC 06 10:10:59.1-0.6, 34°57'N, 138°59'E, h242km, 7km, mb3.2/8, m=1.3, 3.1/11, mb1mx3.1/50, mbtmp3.9/11, Error ellipse: s-maj=33.4km s-min=7.4km az=70.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like JSG, JZS, TK04, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like JOD2, JYN, JIE, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like ASAR, KLR, SONM, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like BESP, PLP, OCLP, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like BESP, PLP, OCLP, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like ASAR, ODAN, ULN, etc.

Table with columns: SONA1, Sogino Array, 39.70 340, P, P, 10 25 58.4 +0.5, etc. Includes stations like H11S1, H11S2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like GUN, H11N1, H11N2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like PKI, PKIN, DMN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like AR10, ARCES, FIAO, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like AKASG, AKBB, VNA, etc.

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

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

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

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

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

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

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

6d 13h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DUWZ, TUWZ, KWAZ, etc.

SJA 06 13:02:34.5-0.5, 32.63Sx72.98W, h50km, 6km, ML3.2, MW3.5

GUC 06 13:02:43.0-2.3, 32.23Sx71.92W, h35km, 5km, ML3.1
ISC 06 13:02:34.0-2.3, 32.19S, 0.04-72.6W, 0.1, h16km, 11km, n14, c1529/27, ID, Off coast of central Chile

Main table for 6d 13h section, listing various stations and their coordinates and phases.

ISK 06 13:03:05.9, 37.52N, 38.82E, h8km, ML2.5/5
ISCJB 06 13:03:06.4-0.7, 37.53N, 0.03-38.81E, 0.03, h3km, 7km, Error ellipse: s-maj=4.7km s-min=4.2km az=145.2

DDA 06 13:03:06.3, 37.52N, 38.79E, h7km, ML3.0
ISC 06 13:03:06.3-0.9, 37.52N, 0.03-38.81E, 0.03, h9km, 7km, n16, c0548/26, Turkey

Table for 6d 13h section, listing stations like URFA, SANLIURFA, SANL, etc.

MEX 06 13:03:26.0-0.6, 16.37N, 98.33W, h3km, 36km, MD3.5, Near coast of Guerrero

Table for MEX 06 section, listing stations like PINOTEP, TLIG, etc.

DDA 06 13:15:23.6, 37.91N, 29.06E, h7km, ML2.6
ISK 06 13:15:23.6, 37.89N, 29.05E, h4km, ML2.0/2
ISCJB 06 13:15:24.1-0.7, 37.90N, 0.03-29.04E, 0.06, h6km, 7km, Error ellipse: s-maj=8.7km s-min=4.5km az=172.4

ISC 06 13:15:23.1-2.1, 37.89N, 0.03-29.11E, 0.07, h13km, 8km, n9, c0843/17, Turkey

Table for 6d 13h section, listing stations like DENT, DNZL, TAV, etc.

NNC 06 13:17:29.5-5.3, 37.91N, 71.52E, h0km, mb3.9, mpv3.4, 4C-4D, Error ellipse: s-maj=39.9km s-min=32.6km az=171.0, Afghanistan-Tajikistan border region

Table for NNC 06 section, listing stations like SFK, MNAS, AAK, etc.

2012 OCT

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes station KK31.

IDC 06 13:26:18.8-2.2, 18.81S, 176.79W, h279km, 26km, mb3.7/9, mb1 3.8/11, mb1mx3.5/36, mbmp4, 4/11, Error ellipse: s-maj=21.5km s-min=14.7km az=105.0

ISCJB 06 13:26:23.2-0.9, 18.8S, 0.1-176.9W, 0.1, h344km, mb3.8/8, Error ellipse: s-maj=21.0km s-min=16.5km az=33.1
ISC 06 13:26:25.3-1.2, 18.9S, 0.2-176.9W, 0.2, h344km, n15, c1509/15, mb3.8/8, Fiji Islands region

Table for 2012 OCT section, listing stations like AFI, DZM, URZ, etc.

ISCJB 06 13:43:46.0-0.5, 40.37N, 0.02-25.95E, 0.03, h6km, 6km, Error ellipse: s-maj=4.5km s-min=4.0km az=155.7

ATH 06 13:43:46.0, 40.37N, 25.96E, h10km, 31km, ML1.8/6, Error ellipse: s-maj=31.6km s-min=1.0km az=0.0
DDA 06 13:43:47.5, 40.33N, 26.11E, h7km, ML2.8
ISC 06 13:43:45.1-1.5, 40.41N, 0.04-25.99E, 0.04, h12km, 12km, n10, c06120, Aegean Sea

Main table for 2012 OCT section, listing various stations and their coordinates and phases.

GUC 06 13:53:52.6-0.7, 32.48S, 72.24W, h37km, 3km, ML3.5
ISC 06 13:53:37.9-3.2, 32.58S, 0.08-73.3W, 0.2, h24km, 23km, n22, c1575/39, 5C, Off coast of central Chile

Table for 2012 OCT section, listing stations like ROC1, ROC2, ROC3, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations FSA, Cafayete.

ROM 06 13:55:20.0-2.3, 38.130N, 0.007x14.879E, 0.006, h9km, 2km, ML2.1/13, Sicily

Main table for 290 section, listing various stations and their coordinates and phases.

ROM 06 13:56:03.8-0.2, 38.17N, 0.01x14.874E, 0.005, h7km, 1km, Md1.5/4, Sicily

Table for ROM 06 section, listing stations like NOV, Novara.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like San Fratello, Monte Soro, Castoreale, etc.

MAN 06 13:58:38.8,9.54N:125.86E,h14km,mb4.7,ML3.5,MS3.4, Mindanao

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Surigao, Butuan, Maasin.

ISC/JB 06 14:06:29.4,0.6,48.2N:0.1,146.2E:0.2,h472km,mb3.2/9, Error ellipse: s-maj=19.2km s-min=10.1km az=39.2

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ASAJ, PETK, URSK, etc.

ISC 06 14:06:30.5,0.7,48.1N:0.1,146.2E:0.1,h472km,n14, c0584/14,mb3.2/9,Sea of Okhotsk

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ASAJ, PETK, URSK, etc.

DDA 06 14:11:09.3,37.43N:28.07E,h7km,MI2.7,Suspected Mining explosion.

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

ISC/JB 06 14:11:10.0,3.5,37.43N:0.03,28.09E:0.03,h0km, Error ellipse: s-maj=4.1km s-min=3.8km az=79.0

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

ISC 06 14:11:10.1,0.3744N:0.03,28.09E:0.03,h0km,n12, c0562/19,Turkey

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

ISC/JB 06 14:23:35.9,1.1,34.01N:0.05,141.73E:0.10,h24km, mb3.4/2,MS2.9/1, Error ellipse: s-maj=11.6km s-min=7.7km az=170.2

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BSO1, BSO3, etc.

JMA 06 14:23:37.0,0.7,34.01N:141.67E,h31km,MS3.2

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BSO1, BSO3, etc.

ISC 06 14:23:37.4,1.7,33.97N:0.06,141.66E:0.1,h24km,n15, c0588/18, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BSO1, BSO3, etc.

ISC/JB 06 14:45:03.7,0.6,37.40N:0.03,38.57E:0.03,h2km,6km, Error ellipse: s-maj=3.9km s-min=3.8km az=166.9

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

DDA 06 14:45:03.5,37.40N:38.56E,h7km,MI3.3

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

ISC 06 14:45:03.7,1.0,37.37N:0.03,38.57E:0.02,h6km,9km, n19,c054/29,Turkey

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

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

ISC/JB 06 15:05:50.7,0.9,50.0S:0.1,118.1E:0.3,h10km,mb3.5/6, MS3.4/9, Error ellipse: s-maj=31.3km s-min=14.3km az=8.4

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

ISC 06 15:05:51.3,1.0,49.99S:118.03E,h0km,mb3.6/6, mb1 3.9/7, mb1mx3.8/19, mbtmp3.7/7, ML2.6/1, MS3.5/10, Ms1 3.4/10, ms1mx3.4/15, Error ellipse: s-maj=43.1km s-min=19.8km az=102.0

ISC 06 15:05:52.8,1.0,50.0S:0.1,118.1E:0.3,h10km,n15, c0580/8,mb3.6/6,MS3.4/9,Western Indian-Antarctic Ridge

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NWA0, STKA, ASAR, etc.

GUC 06 15:08:06.7,0.6,23.72S:67.48W,h235km±10km,ML3.7, BC,Chile-Argentina border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PB15, PB06, etc.

SOME 06 15:12:07.4,44.72N:83.02E,h10km

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

ISC 06 15:12:09.4,1.7,44.49N:83.00E:0.09,h17km,n14, c2545/25,4C-2D,Northern Xinjiang

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

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

MDD 06 15:20:00.4,1.9,36.69N:11.49W,h0km,mb3.8/4, mBLg1.8/8, Error ellipse: s-maj=15.8km s-min=14.9km az=79.0,PRXIMO

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

IGL 06 15:20:00.4,36.62N:11.61W,h10km,ML1.9

INMG 06 15:20:01.5,1.1,36.67N:11.58W,h10km,ML2.0, Error ellipse: s-maj=7.3km s-min=4.5km az=88.0

ISC 06 15:19:58.5,3.8,36.72N:0.1,11.6W:0.2,h10km,n40, c1547/67,Azores-Cape St. Vincent Ridge

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

ISC/JB 06 16:10:27.9,1.1,15.32N:0.08,145.75E:0.2,h200km, mb3.4/8, Error ellipse: s-maj=30.5km s-min=10.7km az=5.9

IDC 06 16:10:29.9,1.3,15:23N,145:65E,h201km,8km,mb3.2/8, mb1 3.4/9,mb1mx3.2/35,mbtm3.9/9, Error ellipse: s-maj=27.7km s-min=12.8km az=90.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GUM0, JAY1, H1S3, H1S1, H1S2, H1N1, H1N2, H1N3, SIJ1, KSR5, WRA, ASAR, CMAR, SONM, MKAR, ILAR.

IDC 06 16:23:12.7,1.8,1:88S,119:73E,h0km,mb3.1/3, mb1 3.3/3,mb1mx3.1/40,mbtm3.1/3, Error ellipse: s-maj=41.6km s-min=25.4km az=58.0

ISCJB 06 16:23:14.2,1.8,1:34S,0:04,120:15E,0:06,h1km,13km, mb2.9/3, Error ellipse: s-maj=10.9km s-min=6.5km az=13.0

DJA 06 16:23:16.2,0.3,1:52S,12:02E,h10km,M3.1/7,MLv3.1/7, Error ellipse: s-maj=11.3km s-min=6.5km az=13.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PCI, AFPSI, MPFSI, TTSI, SPSI, BNSI, WRA, ASAR, MKAR.

ISCJB 06 16:30:43.9,0.4,0:25N,0:05,122:24E,0:04,h154km,4km, mb4.2/16, Error ellipse: s-maj=8.3km s-min=6.3km az=20.6

BUI 06 16:30:43.0,0:40N,122:40E,h142km,mb4.8/12,mb4.9/4, Error ellipse: s-maj=10.0km s-min=6.3km az=63.0

NEIC 06 16:30:49.1,2.8,0:21N,122:15E,h196km,28km,mb4.2/3, Error ellipse: s-maj=24.8km s-min=10.3km az=57.0

ISC 06 16:30:44.6,0.7,0:23N,0:06,122:24E,0:05,h151km,7km, n42,1:128/51,mb4.2/16,Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like AFPSI, LUWI, KMSI, MPFSI, PCI, TTSI, KDI, SIJ1, BATI, LEM, FITZ, MBWA, WRAB, WRA, ASAR, CMAR, CMAR, CMMT, CHTO, CTA, NWA0, STKA, GTA, GUN, PKI, PKIN, DMN, GKN, KOLN, DANN, HYB, PYUN.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ULN, SONM, SONM, MKAR, ZALV, KURK, VNSA, KBD, TORO, TXAR.

GUC 06 16:35:10.9,0.7,21:12S,68:76W,h141km,5km,ML3.7, Error ellipse: s-maj=19.2km s-min=5.1km az=3.9

ISC 06 16:35:11.0,1.0,2:11S,0:04,68:77W,0:1,h141km,10km, n17,0:65/30,2C-2D,Chile-Guinea border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PB01, PB09, PB02, PB07, PB03, PB11, PB06, PB04, PSCG, MNMC, IROC, PB05, LPAZ, PLCA, TORO, WRA, MKAR.

TEH 06 16:35:32.3,38:41N,46:70E,h4km,ML3.1, Error ellipse: s-maj=3.7km s-min=3.2km az=31.5

ISC 06 16:35:32.5,1.0,38:37N,0:03,46:72E,0:03,h10km,n16, n172,172,Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like IHR5, IHR5, IHR5, ITBZ, ITBZ, IBST, IBST, IMRD, IMRD, ISHB, ISHB, IAZR, IAZR, ISRB, ISRB, ISRB, GRMI, MAKU, ZNIK, DDFL, DDFL, DGRG, DGRG, IGZV, IGZV, IGZV, HKZM, HKZM, HKZM, HKZM.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like QABG, QABG, QABG, IDHR, IDHR.

DDA 06 16:35:37.7,40:62N,41:82E,h7km,MI1.6,Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DDEM, DDEM, DBAD, DAGI, DAGI, ARTV.

ISK 06 16:38:34.9,35:33N,27:85E,h11km,ML2.6/5, Error ellipse: s-maj=11.3km s-min=4.9km az=142.0

ATH 06 16:38:37.3,35:52N,27:62E,h28km,3km,ML2.1/2, Error ellipse: s-maj=11.1km s-min=4.1km az=325.0

ISC 06 16:38:35.1,1.7,35:36N,0:08,27:80E,0:07,h10km,n15, n089/19,Decadence Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KARP, KARP, KARP, ARG, ARG, ARG, ZKR, NIS1, DAT, DALY, FETY, TURN, BODT, NEAPOL, YER, LAST, IDI, AYDB.

ISCJB 06 16:39:20.9,0.4,39:36N,0:03,33:14E,0:03,h3km,4km, Error ellipse: s-maj=3.7km s-min=3.2km az=31.5

ISC 06 16:39:20.4,39:37N,33:15E,h6km,ML3.1/18, Error ellipse: s-maj=3.7km s-min=3.2km az=31.5

DDA 06 16:39:21.1,39:39N,33:02E,h7km,MI3.5, Error ellipse: s-maj=3.7km s-min=3.2km az=31.5

ISC 06 16:39:21.2,0.9,39:37N,0:02,33:13E,0:02,h6km,8km, n41,1:190/55,Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like AFSR, AFSR, KKUL, KKUL, KULU, KAMT, KAMT, SERE, ANTO, HADY, CHBY, AKSY, CDAG, CDAG, KIZIL, ELDT, KDHN, KDHN, SULT, CMDR, CMA, SVRH, CANT, LADK, CORM, AVNS, KONT, KONT, BCAM, COAL, COAL, KMER, KMER, YOZ, ILGA, BOLV, BORA, BNN, GULT, SUTO, KARA, CAVI, BZK, TOKT, DIKM, KOZT, TVSB, SVSK.

ISCJB 06 16:57:20.9,0.3,24:67N,0:01,122:03E,0:01,h73km,2km, Error ellipse: s-maj=2.6km s-min=2.1km az=149.4

JMA 06 16:57:20.5,0.1,24:39N,122:01E,h77km,2km,ML3.1, Error ellipse: s-maj=2.6km s-min=2.1km az=149.4

TAP 06 16:57:21.4,24:63N,121:59E,h69km,ML3.6, Error ellipse: s-maj=2.6km s-min=2.1km az=149.4

ISC 06 16:57:21.1,2.4,24:65N,0:02,122:03E,0:02,h72km,5km, n113,1:195/216,Taiwan region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like EOS1, EOS1, EOS1, TWC, TWC, EGS, EGS, NTC, NTC, ILA, ILA, ENAH.

ENAH	baz=219	eS	Sn	16 57 41.3 +0.7	
NANB	Nano	0.33 229	eP	Pn	16 57 32.9 +0.1
NANB	baz=223	eS	Sn	16 57 41.2 -0.1	
TWE	Neicheng	0.33 283	P	Pn	16 57 33.2 +0.5
TWE	baz=294	S	Sn	16 57 42.0 +0.8	
ENA	Nanau	0.34 230	P	Pn	16 57 32.9 +0.1
ENA	baz=223	S	Sn	16 57 41.6 +0.3	
TWB1	Santiao Chiao	0.36 355	eP	Pn	16 57 32.7 -0.2
TWB1	SLBB	0.37 287	eS	Sn	16 57 40.6 -1.0
SLBB	baz=297	eS	Sn	16 57 33.6 +0.5	
ENIT	Nioudou	0.42 269	P	Pn	16 57 42.5 +0.7
ENIT	baz=271	S	Sn	16 57 34.0 +0.6	
WFSB	Wu-fen Shan	0.48 332	P	Pn	16 57 42.8 +0.3
WFSB	baz=336	S	Sn	16 57 34.0 +0.2	
NWLTL	Wulai	0.49 285	eP	Pn	16 57 42.8 -0.5
NWLTL	baz=298	eS	Sn	16 57 34.7 +0.6	
TWA	Mucha	0.52 310	P	Pn	16 57 43.8 +0.2
TWA	baz=320	S	Sn	16 57 34.6 +0.3	
TATO	Taipei	0.59 304	eP	Pn	16 57 43.7 -0.4
TATO	baz=313	eS	Sn	16 57 35.1 +0.1	
YHNB	Yeheng	0.59 272	eP	Pn	16 57 35.1 +0.1
YHNB	baz=274	eS	Sn	16 57 44.5 -0.7	
NSK	Sanguang	0.61 273	P	Pn	16 57 35.5 +0.4
NSK	baz=274	eS	Sn	16 57 45.5 +0.1	
NACB	Ninganchiao	0.61 220	eP	Pn	16 57 35.7 +0.4
NACB	baz=210	eS	Sn	16 57 45.5 -0.2	
NNSB	Datong	0.62 250	eP	Pn	16 57 34.8 -0.5
NNSB	baz=243	eS	Sn	16 57 45.2 -0.5	
NNSH	Datong	0.62 250	eP	Pn	16 57 35.8 +0.3
NNSH	baz=244	eS	Sn	16 57 46.1 0.0	
NNS	Nan Shan	0.63 251	P	Pn	16 57 35.8 +0.3
NNS	baz=244	S	Sn	16 57 46.0 -0.1	
YM07	YM07	0.64 325	eP	Pn	16 57 35.9 +0.4
YM07	baz=328	eS	Sn	16 57 46.4 +0.2	
YM01	YM01	0.65 320	eP	Pn	16 57 35.5 0.0
YM01	baz=329	eS	Sn	16 57 45.5 -0.7	
YM10	YM10	0.66 320	eP	Pn	16 57 36.5 +0.9
YM10	baz=329	eS	Sn	16 57 46.6 +0.3	
YM11	YM11	0.66 322	eP	Pn	16 57 35.9 +0.1
YM11	baz=324	eS	Sn	16 57 46.2 -0.4	
YM05	YM05	0.66 321	eP	Pn	16 57 45.4 -1.2
YM05	baz=323	eS	Sn	16 57 35.8 0.0	
YM08	YM08	0.67 324	eP	Pn	16 57 35.8 +0.3
YM08	baz=326	eS	Sn	16 57 46.0 -0.7	
YM04	YM04	0.67 319	eP	Pn	16 57 35.8 -0.1
YM04	baz=327	eS	Sn	16 57 45.6 -1.1	
TWD	Chiawan	0.69 215	P	Pn	16 57 36.0 +0.1
TWD	baz=226	S	Sn	16 57 46.2 -0.6	
YM03	YM03	0.69 320	eP	Pn	16 57 35.7 -0.4
YM03	baz=322	eS	Sn	16 57 46.5 -0.5	
TWS1	Kuangyinshan	0.71 309	eP	Pn	16 57 36.2 +0.1
TWS1	baz=316	eS	Sn	16 57 46.6 -0.6	
WLTB	Daxi	0.73 286	eP	Pn	16 57 38.2 +0.7
WLTB	baz=281	eS	Sn	16 57 48.2 +0.7	
NTST	Danshui	0.73 315	eP	Pn	16 57 37.2 +0.8
NTST	baz=324	eS	Sn	16 57 48.8 +0.9	
TWY	Chenhua	0.73 328	eP	Pn	16 57 36.9 +0.4
TWY	baz=331	eS	Sn	16 57 48.2 +0.3	
HWA	Hwalien	0.77 210	P	Pn	16 57 36.9 +0.4
HWA	baz=198	eS	Sn	16 57 47.9 -0.1	
NCUH	Zhongji	0.83 293	eP	Pn	16 57 37.0 +0.1
NCUH	baz=294	eS	Sn	16 57 49.2 +0.5	
ENLB	Shoufeng	0.84 208	eP	Pn	16 57 38.2 +0.5
ENLB	baz=197	eS	Sn	16 57 50.5 +0.6	
WHF	Hehuan Shan	0.86 234	P	Pn	16 57 38.2 +0.5
WHF	baz=230	eS	Sn	16 57 50.9 -0.3	
JYNG	Yonagunijimaku	0.86 103	P	Pn	16 57 38.0 0.0
JYNG	baz=236	eP	Sn	16 57 38.0 0.0	
TDCB	Techi	0.88 244	eP	Pn	16 57 50.1 -0.4
TDCB	baz=236	eS	Sn	16 57 51.5 -0.2	
YOJ	Yonaguni jima	0.92 102	eP	Pn	16 57 51.3 0.0
YOJ	baz=101	eS	Sn	16 57 51.0 -0.2	
YOJ	Yonaguni jima	0.92 102	P	Pn	16 57 38.5 +0.1
YOJ	baz=271	eS	Sn	16 57 50.9 -0.3	
LIOB	Emei	0.92 270	eP	Pn	16 57 38.0 0.0
LIOB	baz=271	eS	Sn	16 57 50.1 -0.4	
NSST	Nanjiang	0.93 269	eP	Pn	16 57 39.1 +0.7
NSST	baz=270	eS	Sn	16 57 51.0 -0.2	
SBCB	Hsinchu	0.96 279	eP	Pn	16 57 52.3 +0.2
SBCB	baz=280	eS	Sn	16 57 39.8 +0.6	
SBCB	Hsinchu	0.97 279	eP	Pn	16 57 39.8 +0.6
SBCB	baz=282	eS	Sn	16 57 53.2 +0.6	
CHGB	Renai	0.97 233	eP	Pn	16 57 39.5 +0.1
CHGB	baz=233	eS	Sn	16 57 53.0 +0.1	
PCYT	Pengchaiyu	0.98 2	eP	Pn	16 57 40.0 +0.4
PCYT	baz=4.0	eS	Sn	16 57 52.8 -0.5	
PCYT		eS	Sn	16 57 39.6 +0.2	
PCYT		eS	Sn	16 57 53.5 +0.5	

ESL	Shilin	0.99 213	P	Pn	16 57 38.5 -1.1
ESL	baz=220	eS	Sn	16 57 51.8 -1.6	
EGFH	Guangfu	1.12 209	eP	Sn	16 57 40.0 -1.2
EGFH	baz=217	eS	Sn	16 57 54.8 -1.4	
NMLH	Miaoili	1.13 265	eP	Pn	16 57 42.0 +0.7
NMLH	baz=265	eS	Sn	16 57 56.8 +0.3	
NSY	Sani	1.18 259	eP	Pn	16 57 42.7 +0.8
NSY	baz=259	eS	Sn	16 57 58.4 +0.9	
TWQ1	Liuyan	1.18 256	eP	Pn	16 57 42.4 +0.4
TWQ1	baz=256	eS	Sn	16 57 57.8 +0.2	
PTSB	Yuanli	1.22 261	eP	Pn	16 57 42.9 +0.4
PTSB	baz=261	eS	Sn	16 57 58.9 +0.3	
HGSD	Ruisui	1.28 206	P	Pn	16 57 42.7 -0.5
HGSD	baz=213	eS	Sn	16 57 42.7 -0.5	
SMLT	Sun Moon Lake	1.28 234	P	Pn	16 57 59.0 -0.8
SMLT	baz=233	eS	Sn	16 57 44.3 +0.9	
SSLB	Suanglung	1.30 229	eP	Pn	16 58 01.2 +1.1
SSLB	baz=222	eS	Sn	16 57 44.1 +0.6	
EHY	Hungye	1.31 210	eP	Pn	16 58 01.4 +0.9
EHY	baz=209	eS	Sn	16 57 42.2 -1.4	
TCU	Taichung	1.33 248	eP	Pn	16 57 58.1 -2.4
TCU	baz=259	eS	Sn	16 57 45.7 +1.9	
YULB	Yu-li	1.42 208	eP	Pn	16 58 01.1 +0.2
YULB	baz=207	eS	Sn	16 57 43.6 -1.5	
WJS	Zhushan	1.44 235	eP	Pn	16 57 43.6 -1.5
WJS	baz=247	eS	Sn	16 58 00.3 -2.8	
WNT	Mingjian	1.45 238	eP	Pn	16 57 47.1 +1.7
WNT	baz=249	eS	Sn	16 58 05.2 +1.6	
TWF1	Yuli	1.45 207	eP	Pn	16 57 46.9 +1.5
TWF1	baz=206	eS	Sn	16 58 05.2 +1.5	
WCHH	Zhanghua	1.45 247	eS	Pn	16 57 44.2 -1.4
WCHH	baz=246	eS	Sn	16 58 02.1 -1.8	
YUS	Yu-Shan	1.52 221	eP	Pn	16 58 04.2 +0.3
YUS	baz=211	eS	Sn	16 57 47.2 +0.4	
IRIF	Iriromote-Funau	1.58 101	P	Pn	16 58 05.9 -0.2
IRIF	baz=211	eS	Sn	16 57 47.2 0.0	
FULB	Fuli	1.59 205	eP	Pn	16 58 07.1 +0.1
FULB	baz=211	eS	Sn	16 57 47.0 -0.3	
CHNS	Tsauling	1.62 230	eP	Pn	16 58 06.3 -0.9
CHNS	baz=239	eS	Sn	16 58 06.3 -0.9	
WKG	Gukeng	1.65 235	eP	Pn	16 57 49.1 +1.4
WKG	baz=245	eS	Sn	16 58 09.7 +1.8	
CHKT	Chengkung	1.66 202	eP	Pn	16 57 49.5 +1.4
CHKT	baz=192	eS	Sn	16 58 10.0 +1.6	
WDLH	Doanpu	1.66 235	eP	Pn	16 57 46.9 -1.3
WDLH	baz=246	eS	Sn	16 57 46.9 -1.3	
RLNB	Erlin	1.70 244	eP	Pn	16 57 49.9 +1.6
RLNB	baz=253	eS	Sn	16 57 49.1 +0.4	
ELDTW	Lidau	1.72 213	eP	Pn	16 58 09.6 -0.1
ELDTW	baz=205	eS	Sn	16 57 48.4 -0.8	
HATJ	Hateruma jima	1.73 110	P	Pn	16 58 09.0 -1.4
HATJ	baz=252	eS	Sn	16 57 49.4 +0.3	
CHN2	Minshing	1.80 232	eP	Pn	16 58 11.5 0.0
CHN2	baz=242	eS	Sn	16 57 52.3 +2.2	
CHN4	Tsauhane	1.84 226	P	Pn	16 58 14.7 +2.6
CHN4	baz=236	eS	Sn	16 57 52.4 +1.7	
TPUB	Ta-pu	1.85 224	eP	Pn	16 58 15.7 +2.6
TPUB	baz=234	eS	Sn	16 57 52.1 +1.2	
JKRS	Kuro-shima	1.85 102	P	Pn	16 58 15.3 +1.8
JKRS	baz=241	eS	Sn	16 57 51.2 +0.4	
CHY	Chiayi	1.86 232	eP	Pn	16 58 13.8 +0.4
CHY	baz=241	eS	Sn	16 57 51.9 +1.0	
STYT	Tauyuan	1.88 218	eP	Pn	16 58 14.4 +1.3
STYT	baz=209	eS	Sn	16 57 52.5 +1.2	
WTP	Wanpu	1.90 223	P	Pn	16 58 15.7 +1.5
WTP	baz=209	eS	Sn	16 57 53.1 +1.6	
WSP	Szhu	1.93 239	eS	Sn	16 57 53.1 +1.6
WSP	baz=233	eS	Sn	16 58 16.7 +2.0	
JJJ	Ishigaki jima	1.95 98	P	Pn	16 58 15.6 +0.4
JJJ	baz=247	eS	Sn	16 57 52.1 0.0	
TWK	Hsinying	1.97 226	P	Pn	16 58 15.3 -0.4
TWK	baz=214	eS	Sn	16 57 54.0 +1.6	
CHN1	Nanshi	2.00 224	eP	Pn	16 58 17.9 +1.7
CHN1	baz=233	eS	Sn	16 57 54.3 +1.5	
TWGBT	Beinan	2.02 206	eP	Pn	16 58 18.8 +1.8
TWGBT	baz=198	eS	Sn	16 57 51.9 -1.1	
TWG	Pinlang	2.02 206	eP	Pn	16 57 51.9 -1.1
TWG	baz=198	eS	Sn	16 58 14.4 -3.0	
SGST	Jiashian	2.04 221	P	Pn	16 57 51.9 -1.2
SGST	baz=230	eS	Sn	16 58 14.4 -3.0	
SLGT	Liugui	2.08 218	eP	Pn	16 57 54.9 +1.5
SLGT	baz=217	eS	Sn	16 58 20.0 +2.0	
JISG	Ishigakijimahi	2.08 91	P	Pn	16 57 55.6 +1.8
JISG	baz=230	eS	Sn	16 58 20.2 +2.2	
CHNB	Yishu	2.11 232	eP	Pn	16 57 54.1 +0.2
CHNB	baz=230	eS	Sn	16 58 19.8 +0.9	
PTTC	Pingtang	2.21 293	eP	Pn	16 57 55.2 +1.0
PTTC	baz=293	eS	Sn	16 58 21.2 +1.8	
SCLT	Jiali	2.23 229	eS	Pn	16 57 55.0 -0.6
SCLT	baz=227	eS	Sn	16 57 55.0 -0.6	
ECL	Taimali	2.27 206	eP	Pn	16 58 20.2 -1.9
ECL	baz=199	eS	Sn	16 58 23.9 +1.5	
ECL		eS	Sn	16 57 55.6 -0.8	

SSD	Sandimen	2.28 214	eP	Pn	16 58 20.9 -2.5
SSD	baz=205	eS	Sn	16 57 58.4 +1.7	
VWUC	VWUC	2.37 279	eP	Pn	16 58 25.8 +2.0
VWUC	baz=278	eS	Sn	16 57 57.3 -0.4	
MASBT	Mashbululo	2.40 212	eP	Pn	16 57 57.3 -0.4
MASBT	baz=278	eS	Sn	16 58 23.4 -2.4	
MASBT	baz=213	eS	Sn	16 57 59.5 +1.3	
MATB	Ma-tsu	2.40 309	eP	Pn	16 58 28.1 +1.5
MATB	baz=310	eS	Sn	16 57 57.7 -0.5	
MTJ	Tarama	2.44 90	P	Pn	16 58 25.7 -1.0
MTJ	baz=310	eS	Sn	16 57 59.6 +1.0	
EAST	Anshuo	2.50 206	eP	Pn	16 58 28.7 +1.3
EAST	baz=200	eS	Sn	16 57 59.6 0.0	
PNG	Penghu	2.50 245	eS	Sn	16 58 27.8 -1.4
PNG	baz=242	eS	Sn	16 58 27.7 -1.4	
PHUB	P'eng-hu	2.51 244	eS	Sn	16 58 27.2 -2.1
PHUB	baz=241	eS	Sn	16 58 27.2 -2.1	
SCZT	Fangliang	2.61 210	eP	Pn	16 58 02.6 +1.6
SCZT	baz=210	eS	Sn	16 58 32.8 +1.2	
PTMZ	Houxiangcun	2.67 279	eP	Pn	16 58 01.5 -0.3
PTMZ	baz=278	eS	Sn	16 58 30.4 -2.7	
VCHM	Gimei	2.77 239	eS	Sn	16 58 34.1 -1.6
VCHM	baz=236	eS	Sn	16 58 34.1 -1.6	
LYJY	Jianjiangzhen	2.79 313	eP	Pn	16 58 03.5 +0.1
LYJY	baz=305	eS	Sn	16 58 35.1 -0.9	
XPSS	Dashiqiu	2.81 324	eP	Pn	16 58 03.5 -0.2
XPSS	baz=326	eS	Sn	16 58 05.7 +1.2	
JIRB	Irabujima	2.87 86	P	Pn	16 58 39.2 +1.3
JIRB					

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like Goldstone, Yreka Blue Hour, Lembang, Walker, Beckworth, Pine Nut, Virginia City, Humo Hill Mountain, Yerrington, KSRs Korea Array, KS15 Wonju Array SI, KS01 Wonju Array SJ, Y12C Blythe, NV01 Mina Array Sit, NVAR Mina Array Bee, 113A Mohawk Valley, PAHR Pat Rah Range, NV11 Mina Array Sit, LDFC Landfair, KVN Kaiserville, TPND Topopah Spring, MOD Modoc Plateau, K05A Summer Lake, SHPR Sheep Range, W13A Hualapai Mount, U14K Wickenburg, YSRK Ussuriysk Ar., PINE Pine Mountain, BMN Battle Mountain, TUC Tucson, WVOR Wild Horse Val, X16A Lo Mia Camp, LCMT Little Creek M, 319A Douglas, J08A Circle Bar Ran, KNB Kanab, U15A North Rim, WUAZ Wupatki, D05A Enumclaw, SEW Seaward, PKCU Pink Cliffs, G08A Pilot Knob, X18A Snowflake, MTPU Mount Pierson, MSU Marysvalle, BMO Blue Mountains, KLR Kul'dur, D08A Wollman Farm, E09A Wood Farm, Sta, GH0 Glory Hole Cre, DIV Divide, CN2 Changchun, F10A Beach Ranch, BMRM Bremner River, TMUT Trail Mountain, SCM Sheep Creek Mo, PPLA Purkeyette, B08A Colville Reser, HL1D Hailey, LLLB Lillico, SRU San Rafael Swe, BALM Baldy, CAST Castle Rocks, TCUT Toone Canyon, P18A Preston Nutter, PV05 Paradox Valley, HWUT Hardware Ranch, KTH Kantishna Hill, TRF Thorofore Moun, TX31 Lajitas, TXAR Lajitas Array, PV09 Paradox Valley, PV10 Paradox Valley, PV19 Morning Glory, PV14 Lion Creek, PV18 Skein Mesa, PV20 West Nyswonger, PV13 Radium Mtn., PV23 Carpenter Ridge, PV03 Paradox Valley, PV11 David Mesa, PV02 Paradox Valley, PV21 Cone Mtn., Par, PV12 Saucer Basin, DHY Denali Highway, RND Reindeer, PV01 Paradox Valley, PV22 Blue Mesa, Par

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like Albuquerque, ANMO Albuquerque, BPAW Bear Paw Mtn., MKW McKinley, HYT Haines Junctio, MCMT McKenzie Canyo, DLBC Dease Lake, MSO Missoula, S22A 4UR Ranch, CRE, REDW Red Top Meadow, TPWA Teton Pass, WRH Wood River Hill, FXWY Fox Creek, MLY Manley, O20A White River Ci, HDA Harding Lake, IMW Indian Meadow, CCB Clear Creek Bu, MOOW Moose Ponds, LOHW Lone Hollow, QLMT Earthquake Lak, SCRK Sand Creek, MDM Murphy Dome, LNIG Linares, FLWY Flagg Ranch, IM3 Indian Mountain, YHB Horse Butte, IL1 Eielson Array, ILAR Eielson Array, ILB Eielson Array, BW06 Boulder Array, PD31 Pinedale Array, PDAR Pinedale Array, PDAR Pinedale Array, PDAR Pinedale Array, SMCO Snowmass, YMR Madison River, BOZ Bozeman (W), H17A Grant Village, YHH Holmes Hill, SDCO Great Sand Dun, HRY Holter Resear, WALA Waterton Lakes, MAW Mawson, MAW Mawson, MSTX Mushooshe, EGAK Eagle, COLD Coldfoot, ENH Enshi, PSI Prapa, ABTX Abilene, Hawle, TRTT Trang, GSI Gunungstisil, XAN Xi'an, XAN, XAN, UTTA Uttarakhand, SYO Syowa Base, SYO Syowa Base, UTHA Uthaitani, INK Inuvik, KMI Kunming, KMI, VNA3 Neumayer-01sp, SUKH Suchothai, UMPA Umpang Tak, PAYA Payao, VNA2 Neumayer-Watz, VNA1 Neumayer-Stat, CM01 Chiang Mai Arr, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, CHTO Chiang Mai, V40A Witts Springs, SONA Sogingo Array, SONM Sogingo Array, GTA Gata, MKT2 Makanchi Array, MKAR Makanchi Array, ARAO ARCES Array S, ARCS ARCES Array S, BOSA Boshof, FIAO FINES Array S, FINES FINES Array B, AKASO Malin Array Be, KMB0 Kilima Mbogo, KWP Kwararia Pacla, Olcow, KSP Ksiaz, CLL Collim, CLL, BURAR Bucovina Array, NIE Niedzica, BRG Berggiesshuetl, DPC Dobruska-Polom, TPC Trpc, OKC Ostrava-Krasne, PVCC Panska Vies, MORC Moravsky Berou

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like Moravsky Berou, TRPA Tarpa, LANS Liptovska Anna, VFR Vrciavica, PLOR Polovraty, KECS Kecoovo, PRU Pruhoniche, GORC GO Pecny, Ondr, HARR Harsova, BR101 Keskin Array S, BRTR Keskin Array B, TLB Topalu, VRAC Vranov, VRAC Vranov, JAVC Velka Javorina, CJR Cluj-Napoca, VYHS Vyhne, MLR Muntele Rosu, ISR Istrita, BCLA Clavier, BCLA Clavier, KRUC Moravsky, PSZ Piszkesteto, DRGR Dourbes, VOIR Dourbes, MODS Modra-Piesok, KHC Kasperske Hory, ARR Arges, WLF Werdand, GEC2 GERES Array S, GERES GERES Array B, CONA Conrad Observa, BZS Buzias, MOA Mollin, ARSA Arzberg, RETA Reutte, SOKA Soboth, WATA Walderalm, MOTA Moosalm, WTTA Wattenberg, OBKA Obir, DAVA Danusels, MYKA Terra Mystica, FETA Feichten, ABTA Abfaltersbach, VTS Vitoshka, ESCD Sonesca Array, TORD Torodi Ar. Bea, TOA1 Torodi Ar. Sit

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes station names like IDC 06 20:01:15.5:2.4, 16:65Sx173:18W, h0km, mb3.9/5, m1 4.1/6, mb1mx3.8/29, mbtrmp3.8/6, ML3.5/1, MS3.5/4, M1 3.5/4, mx1mx3.0/33, Error ellipse: s-maj=114.0km, s-min=22.8km, az=142.0, NEIC 06 20:01:16.2:0.4, 16:778Sx173:11W, h10km, mb4.9/13, Error ellipse: s-maj=12.1km s-min=8.6km, az=160.0, ISCJB 06 20:01:18.5:0.5, 16:785S:0.1x173.24W:0.08, h33km, mb4.6/19, Error ellipse: s-maj=14.9km s-min=10.9km, az=155.6, ISC 06 20:01:19.5:0.6, 16:93S:0.1x173:07W:0.10, h32km, n32, Code Station Name, A^Z, P, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like AFI Afiamalu, AFI Afiamalu, AFI Afiamalu, RAR Rarotonga, RAR Rarotonga, PPT Papeete, PPTF Papeete, URZ Urewera, BKZ Black Stump Fm, HNR Honiara, LTZ Lake Taylor, BB00 Buckleboe, WR2 Warramunga Arr, WB2 Tennant Creek, WR1 Warramunga Arr, WRA Warramunga Arr, AS01 Alice Springs, AS31 Alice Springs, ASAR Alice Springs, GUMO GUMO, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, ERM ERM, ASAJ Asajikawa, PD31 Pinedale Array, PDAR Pinedale Array, MDM Murphy Dome, ILAR Ilar, CMAR Chiang Mai Arr, BR101 Keskin Array S, BRTR Keskin Array B, GERES GERES Array B

JMA 06:23:43:07.4,36:77N,140:79E,h16km,1km,M4.1
Broadband fault plane solution: P waves. NP1:
e=187.00000°,s=1.00000°,A=85.00000°. NP2:
e=359.00000°,s=93.00000°,A=96.00000°. Principal axes:
P Plg6.0000°,Az=273.0000°,N Plg4.0000°,
S Plg3.0000°,P Plg83.0000°,Az=127.0000°;

JMA Felt III J1.
IDC 06:23:43:09.4,3.3,36:76N,140:81E,h35km,26km,mb3.7/16,
mb1.3/9.22,mb1mx3.8/44,mbtmp3.8/22,ML3.2/6,MS2.7/4,
Ms1.2/7.4,ms1mx2.4/40 Error ellipse: s-maj=18.2km

s-min=12.0km az=67.0.
ISC 06:23:43:06.2,1.2,35:75N,140:140:88E,0.03,145km,7km,
n40,081/46,mb3.9/16,4C-1D,Near east coast of
eastern Honshu

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

ISCJB 07:00:07:34.2,0.3,4:79N,102:76:31W,0.03,113km,3km,
mb3.7/11, Error ellipse: s-maj=5.6km s-min=3.3km az=6.0
RSCN 07:00:07:36.0,0.9,4:78N,76:33W,1106km,6km,ML3.8,
Mw3.6
IDC 07:00:07:37.3,1.3,4:78N,76:07W,1140km,11km,mb3.5/11,
mb1.3/7.14,mb1mx3.5/35,mbtmp4.0/14,MS2.9/1,
Ms1.2/9.1,ms1mx2.5/18,Error ellipse: s-maj=17.7km
s-min=12.5km az=58.0

ISC 07:00:07:34.7,0.7,4:78N,102:76:29W,0.04,117km,5km,
n44,0157/63,mb3.7/11,3D,Columbia

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

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

ISCJB 07:00:24:42.8,0.4,7:44S,120:29E,0.06,h556km,
mb3.6/5, Error ellipse: s-maj=10.3km s-min=7.2km
az=32.9

IDC 07:00:24:42.2,1.6,7:24S,120:29E,h568km,19km,mb3.1/6,
mb1.3/2.9,mb1mx2.9/35,mbtmp4.1/9, Error ellipse:
s-maj=65.4km s-min=12.5km az=63.0

DJA 07:00:24:43.6,0.5,7:54,12:0E,1.1,h556km,5km,M3.9/15,
mb4.0/4,MLV3.9/15

ISC 07:00:24:41.9,0.7,7:36S,120:31E,0.08,h556km,n22,
1:160/31,mb3.7/5,Flores Sea

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

ISCJB 07:01:43:40.4,0.4,48:69N,104:155:31E,0.08,h35km,
mb4.0/18,MS3.4/8, Error ellipse: s-maj=9.7km
s-min=2.9km az=38.4

MOS 07:01:43:42.7,0.9,48:81N,155:22E,h63km,mb4.3/6, Error
ellipse: s-maj=17.8km s-min=3.9km az=72.8

KRSC 07:01:43:42.0,2.4,48:71N,156:41E,h30km,43km,ML4.9
SKHL 07:01:43:42.0,0.8,48:63N,155:42E,h61km,5km,mb5.0/6,
IDC 07:01:43:46.1,2.1,48:80N,155:01E,h79km,19km,mb3.6/15,
mb1.3/9.20,mb1mx3.7/59,mbtmp4.0/20,MS3.3/12,
Ms1.3/12,ms1mx3.0/50, Error ellipse: s-maj=19.4km
s-min=10.2km az=132.0

ISC 07:01:43:41.5,0.6,01:43N,100:07:15S,45E,0.07,h35km,n122,
1:888/133,mb3.9/18,MS3.5/8,1D,Kuril Islands

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

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

ISC 07 02:32:06.0,5,54.222N,0.005,167.41E,0.005,h35km,n233, c1527/264,mb4.3/82,7C-1D,Komandorsky Islands region

Table with columns: Code, Station Name, Az, Phase, ID, Time Res, ISC. Contains station data for Komandorsky Islands region.

Table with columns: COLD, Coldfoot, 23.88 40 eP, P, 02 37 15.9 -0.6. Contains station data for various locations including Bering, Krutoberegovo, Mys Kozlova, etc.

Table with columns: RSSD, Black Hills, 55.10 61 eP, P, 02 41 34.6 -0.5. Contains station data for various locations including Little Creek, San Rafael, etc.

mb1 4.1/4, mb1mx3.8/42, mbtmp3.9/14, ML3.1/4, MS2.9/3, Ms1 2.9/3, ms1mx2.6/41, Error ellipse: s-maj=20.4km s-min=16.2km az=67.0

ISCJB 07 02:48:33.1±0.5, 19:56N:0°04:64.35W:0.03, h27km, mb3.8/9, MS2.5/1, Error ellipse: s-maj=5.2km s-min=3.7km az=1.4

NEIC 07 02:48:34.1±0.0, 19:46N:64.26W, h82km, MD3.7(RSPR), After RSPR.

RSPR 07 02:48:34.1, 19:46N:64.26W, h82km, 5km, MD3.7/11

ISC 07 02:48:34.8±0.6, 19.44N:0.05:64.41W:0.03, h27km, n74, r1525/85, mb3.8/9, 16C-8D, Virgin 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 coordinates and phases.

MAN 07 02:54:51.0, 11:26N:125.43E, h199km, mb4.0, ML2.8, MS2.4, Samar

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations for the Samar event.

NNC 07 02:59:09.6±1.0, 47:54N:82:23E, h0km, mb3.3, mpv2.6, Error ellipse: s-maj=6.1km s-min=5.3km az=77.0

SOME 07 02:59:10.1, 47:63N:81:80E, h0km

ISC 07 02:59:08.2±1.0, 47:57N:0°03:81.96E:0.04, h12km, n11, r0589/20, 4C-4D, Eastern Kazakhstan

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations for the Kazakhstan event.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations for the Kurchatov event.

MAN 07 03:01:28.0, 8:53N:124:52E, h32km, mb4.3, ML3.1, MS2.8, 1C, Mindanao

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations for the Mindanao event.

MEX 07 03:03:34.3±0.3, 24:75N:110:43W, h10km, MD3.5, Baja

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations for the Baja event.

IDC 07 03:04:32.6±8.1, 32:84S:179:96W, h269km, 86km, mb3.3/3, mb1 3.5/5, mb1mx3.2/35, mbtmp4.1/5, Error ellipse: s-maj=92.5km s-min=43.4km az=1.0

WEL 07 03:04:34.7±0.5, 33:56S:18:01W:1.4, h12km, ML4.8/17

ISC 07 03:04:31.2±1.0, 32.81S:0°08:179.9W:0.1, h250km, n57, r168/57, mb3.5/3, South of Kermadec Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations for the South of Kermadec Islands event.

URZ 6.7nm, 0.3s, baz=139, slow=20, SNR=5.1

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations for the URZ event.

ROM 07 03:10:42.0±0.3, 38:147N:0°00:6:14.871E:0°00:6, h10km, ML2.0/16, Sicily

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations for the Sicily event.

ASAR Alice Springs 41.43 270 P P 03 11 53.1 -0.6

WRA Warramunga Arr 42.63 276 P P 03 12 02.8 -0.8

FITZ Fitzroy Crossi 50.78 273 P P 03 13 05.8 -0.7

FINES FINESS Array B 146.61 338 PKPbc PKPdf 03 23 41.4 +0.9

ROM 07 03:11:41.0±0.1, 38:117N:0°00:5:14.867E:0°00:6, h11km, ML1.2/1, Sicily

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations for the Sicily event.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations for the VPL event.

MCSF San Fratello 0.25 243 P S Pg 03 10 47.6 +0.5

MNO Monte Soro 0.26 213 P S Pb 03 10 48.1 -0.7

MCSF Castoreale 0.31 105 P S Pg 03 10 48.5 +0.1

MCSF Pagadian 1.31 239 eP S 03 01 50.2 +0.1

MILZ Milazzo 0.31 66 P S Pg 03 10 48.9 +0.6

MPNC Port Mandanici 0.38 90 P S Pg 03 10 50.0 +0.5

IFIL Filicudi I Eol 0.48 300 P P Pg 03 10 51.6 +0.2

GALF Gagliano Caste 0.50 239 P Pb 03 10 52.8 -0.1

IACL Alicudi 0.56 314 P Pg 03 10 52.7 -0.2

PLLN Pollina 0.59 255 P S Pg 03 11 02.5 -0.6

MTTG Motta San Giov 0.67 102 P P Pg 03 10 55.0 +0.1

PETRA Petralia Sopr 0.68 243 P P Pg 03 10 55.1 0.0

HAVL Avola 1.20 170 comp=N, 62μm, 0.2s

ROM 07 03:11:41.0±0.1, 38:117N:0°00:5:14.867E:0°00:6, h11km, ML1.2/1, Sicily

NOV Novara 0.23 113 Op P Pg 03 11 46.5 +0.7

NOV Novara 0.23 113 Op S Pg 03 11 50.5 +1.4

NOV Novara 0.25 21 P Pg 03 10 48.3 +1.1

NOV Novara 0.23 113 Op P Pg 03 11 46.5 +0.7

NOV Novara 0.23 113 Op S Pg 03 11 50.5 +1.4

NOV Novara 0.25 21 P Pg 03 10 48.3 +1.1

NOV Novara 0.23 113 Op P Pg 03 11 46.5 +0.7

NOV Novara 0.23 113 Op S Pg 03 11 50.5 +1.4

NOV Novara 0.25 21 P Pg 03 10 48.3 +1.1

NOV Novara 0.23 113 Op P Pg 03 11 46.5 +0.7

NOV Novara 0.23 113 Op S Pg 03 11 50.5 +1.4

NOV Novara 0.25 21 P Pg 03 10 48.3 +1.1

NOV Novara 0.23 113 Op P Pg 03 11 46.5 +0.7

NOV Novara 0.23 113 Op S Pg 03 11 50.5 +1.4

NOV Novara 0.25 21 P Pg 03 10 48.3 +1.1

NOV Novara 0.23 113 Op P Pg 03 11 46.5 +0.7

NOV Novara 0.23 113 Op S Pg 03 11 50.5 +1.4

NOV Novara 0.25 21 P Pg 03 10 48.3 +1.1

NOV Novara 0.23 113 Op P Pg 03 11 46.5 +0.7

NOV Novara 0.23 113 Op S Pg 03 11 50.5 +1.4

NOV Novara 0.25 21 P Pg 03 10 48.3 +1.1

NOV Novara 0.23 113 Op P Pg 03 11 46.5 +0.7

NOV Novara 0.23 113 Op S Pg 03 11 50.5 +1.4

NOV Novara 0.25 21 P Pg 03 10 48.3 +1.1

NOV Novara 0.23 113 Op P Pg 03 11 46.5 +0.7

NOV Novara 0.23 113 Op S Pg 03 11 50.5 +1.4

NOV Novara 0.25 21 P Pg 03 10 48.3 +1.1

NOV Novara 0.23 113 Op P Pg 03 11 46.5 +0.7

NOV Novara 0.23 113 Op S Pg 03 11 50.5 +1.4

NOV Novara 0.25 21 P Pg 03 10 48.3 +1.1

NOV Novara 0.23 113 Op P Pg 03 11 46.5 +0.7

NOV Novara 0.23 113 Op S Pg 03 11 50.5 +1.4

NOV Novara 0.25 21 P Pg 03 10 48.3 +1.1

NOV Novara 0.23 113 Op P Pg 03 11 46.5 +0.7

NOV Novara 0.23 113 Op S Pg 03 11 50.5 +1.4

NOV Novara 0.25 21 P Pg 03 10 48.3 +1.1

NOV Novara 0.23 113 Op P Pg 03 11 46.5 +0.7

NOV Novara 0.23 113 Op S Pg 03 11 50.5 +1.4

NOV Novara 0.25 21 P Pg 03 10 48.3 +1.1

NOV Novara 0.23 113 Op P Pg 03 11 46.5 +0.7

NOV Novara 0.23 113 Op S Pg 03 11 50.5 +1.4

NOV Novara 0.25 21 P Pg 03 10 48.3 +1.1

NOV Novara 0.23 113 Op P Pg 03 11 46.5 +0.7

NOV Novara 0.23 113 Op S Pg 03 11 50.5 +1.4

NOV Novara 0.25 21 P Pg 03 10 48.3 +1.1

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like BKSI Bulukumba, BTO Baotou, RKPI Ransiki, etc.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like HIA Hailar, ASAJ Asahikawa, ULN Ulanbaatar, etc.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like WRAB Tennant Creek, WRA Warrungarra Arr, WRA Warrungarra Arr, etc.

7d 3h

AAA	Alma-Ata	comp=E,882nm,16.6s	44.38 313	eP	P	03 22 32.4 +1.2
AAA	Alma-Ata	comp=E,41nm,1.5s		eS	S	03 29 06.2 +4.1
AAA	Alma-Ata			LR	LR	03 41 28.0
NRN	Naryn	comp=E,951nm,19.2s	44.47 311	eP	P	03 22 34.2 +1.9
ULHL	Ulhaloh	comp=E,109nm,1.3s	44.54 312	eP	P	03 22 34.7 +1.9
POO	Poona	SNR=11	44.62 317	eP	P	03 22 32.4 -0.7
PETK	Petrovskiy	comp=E,18nm,0.8s,baz=209,slow=4.9,SNR=10.0	44.62 31	eP	P	03 22 32.8 -0.2
PETK	Petrovskiy	comp=E,623nm,21.9s,baz=225,slow=36		LR	LR	03 40 56.0
PETK	Petrovskiy	comp=E,623nm,21.9s,baz=225,slow=36	44.62 31	eP	P	03 22 32.3 -0.7
PETK	Petrovskiy	comp=E,623nm,21.9s,baz=225,slow=36	44.62 31	eP	P	03 22 32.3 -0.7
ZAAO	Zalesovo Array	comp=E,21nm,0.9s	44.87 330	eP	P	03 22 35.5 +0.6
ZALV	Zalesovo Beam	comp=E,11nm,0.9s,baz=118,slow=7.4,SNR=37	44.87 330	eP	P	03 22 35.5 +0.6
ZALV	Zalesovo Beam	comp=E,2um,21.4s,baz=118,slow=37		LR	LR	03 42 05.5
ZALV	Zalesovo Beam	comp=E,2um,21.4s,baz=118,slow=37	44.87 330	eP	P	03 22 34.4 -0.5
ZALV	Zalesovo Beam	comp=E,2um,21.4s,baz=118,slow=37	44.87 330	eP	P	03 22 34.4 -0.5
KUU	Kurdy	comp=E,102nm,1.6s	45.00 314	iP	P	03 22 37.4 +1.3
KUU	Kurdy			eS	S	03 29 15.2 +4.2
KUU	Kurdy			LR	LR	03 42 06.8
NIL	Nilore	comp=E,554nm,15.1s	45.00 299	eP	P	03 22 36.6 +0.3
NIL	Nilore	comp=E,98nm,0.8s		LR	LR	
NIL	Nilore	comp=Z,1um,19.0s	45.00 299	eP	P	03 22 36.6 +0.3
NIL	Nilore	comp=Z,98nm,0.8s		MLR	MLR	
NIL	Nilore	comp=Z,1um,19.0s		MLR	MLR	
PET	Petrovskiy	comp=Z,98nm,0.8s	45.04 31	PFAKE	LR	03 22 50.0 +14
PET	Petrovskiy	comp=Z,2um,20.0s	45.04 31	eP	P	03 22 35.6 -0.7
PET	Petrovskiy	comp=Z,2um,20.0s		eS	S	03 29 13.1 +1.8
PET	Petrovskiy	comp=Z,72nm,1.5s		pmx	pmx	
PET	Petrovskiy	comp=Z,200nm,9.9s		pmx	pmx	
PET	Petrovskiy	comp=Z,800nm,18.0s		MLR	MLR	
GOA	Goa	comp=Z,56nm,1.4s	45.10 274	eP	IAMB	03 22 37.0 -0.3
GOA	Goa			IAMB	IAMB	03 22 43.3
KZA	Kyzart	SNR=17	45.19 311	P	P	03 22 40.3 +2.2
TKM2	Tokmak 2	SNR=16	45.20 313	P	P	03 22 40.5 +2.6
TKM2	Tokmak 2	SNR=16	45.20 313	P	P	03 22 37.8 -0.2
SEM	Semipalatinsk	comp=Z,22nm,1.2s	45.27 324	iP	P	03 22 39.2 +0.8
SEM	Semipalatinsk	comp=Z,15nm,1.1s		LR	LR	03 41 34.1
SEM	Semipalatinsk	comp=Z,387nm,19.7s		LR	LR	03 41 34.1
KBK	Karagaybulak	SNR=10	45.57 312	P	P	03 22 43.8 +2.9
UCH	Uchtor	SNR=42	45.76 311	P	P	03 22 44.7 +2.0
CTAO	Charters Tower	comp=Z,17nm,0.8s	45.77 146	eP	P	03 22 41.5 -0.9
CTAO	Charters Tower	comp=Z,3um,21.0s	45.77 146	eP	P	03 22 41.5 -0.9
CTAO	Charters Tower	comp=Z,17nm,0.8s		pmx	pmx	
CHMS	Chumysh	SNR=12	45.81 312	P	P	03 22 43.5 +0.8
FRU	Bishkek	comp=Z,120nm,1.6s	45.86 312	eP	P	03 22 44.0 +1.0
FRU	Bishkek			pmx	pmx	03 29 27.0
FRU	Bishkek	comp=Z,120nm,1.6s		MLR	MLR	
AAK	Ala-Archa	comp=E,2um,20.0s	45.89 312	P	P	03 22 46.0 +2.6
SFK	Sufi-Kurgan	SNR=7.3	45.93 308	P	P	03 22 44.7 +0.9
SFK	Sufi-Kurgan			pmx	pmx	
USP	Ospenovka	comp=Z,96nm,1.5s	46.07 313	P	P	03 22 46.9 +2.3
NVS	Novosibirsk	SNR=8.7	46.15 331	iP	P	03 22 46.0 +1.0
NVS	Novosibirsk			eS	S	03 24 20.2
NVS	Novosibirsk			pmx	pmx	03 29 27.8 +0.6
NVS	Novosibirsk	comp=Z,98nm,2.2s		pmx	pmx	
NVS	Novosibirsk	comp=E,44nm,2.1s		smx	smx	
MA2	Magadan	comp=E,37nm,2.4s	46.19 21	PFAKE	LR	03 23 00.0 +15
MA2	Magadan	comp=Z,2um,20.0s	46.19 21	iP	P	03 22 45.0 -0.2
MA2	Magadan	comp=Z,2um,20.0s		pmx	pmx	
AML	Almayashu	comp=Z,35nm,1.0s	46.32 311	P	P	03 22 48.7 +1.7
KURK	Kurchatov	SNR=24	46.33 324	eP	P	03 22 47.7 +1.2
KURK	Kurchatov	comp=Z,121nm,1.3s		LR	LR	
KURK	Kurchatov	comp=Z,2um,20.0s	46.33 324	P	P	03 22 47.2 +0.8
KURK	Kurchatov	SNR=42	46.33 324	P	P	03 22 47.2 +0.8
KURK	Kurchatov	SNR=42	46.33 324	P	P	03 22 47.7 +1.2
KURK	Kurchatov	comp=Z,120nm,1.2s		pmx	pmx	
EKS2	Erkin-Say	SNR=11	46.40 312	P	P	03 22 47.8 +0.4
MNAS	Manas	comp=Z,114nm,1.4s	47.26 311	P	P	03 22 55.2 +1.1
MNAS	Manas			pmx	pmx	
HNR	Honiara	comp=Z,3um,22.0s	47.48 123	PFAKE	LR	03 23 10.0 +14
MNCY	Minicoy	comp=Z,3um,22.0s	47.63 264	ex	P	03 23 00.7 +3.6
BHJ	Bhuj	comp=Z,28nm,0.7s	47.97 285	eP	IAMB	03 22 59.5 -0.2
BHJ	Bhuj			IAMB	IAMB	03 23 11.5
KBL	Kabul	comp=Z,28nm,0.7s	48.57 300	eP	P	03 23 05.9 +1.5
KBL	Kabul	comp=Z,74nm,1.2s	48.57 300	eP	P	03 23 05.9 +1.5
KBL	Kabul			pmx	pmx	
KB31	Karatay Array	comp=Z,74nm,1.2s	48.84 311	eP	P	03 23 06.7 +0.6
KB31	Karatay Array	comp=Z,74nm,1.2s	48.84 311	eP	P	03 23 06.7 +0.6
KB31	Karatay Array	comp=Z,74nm,1.2s	48.84 311	eP	P	03 23 06.7 +0.6
KB31	Karatay Array	comp=Z,74nm,1.2s	48.84 311	eP	P	03 23 06.7 +0.6
IUG	Iuzhnyy	comp=Z,25nm,1.3s	48.97 310	eP	P	03 23 08.7 +1.4
IUG	Iuzhnyy			eS	S	03 30 12.1 +4.3
OTUK	Ortayu	comp=Z,71nm,1.1s	49.08 318	P	P	03 23 06.8 -1.1
OTUK	Ortayu			pmx	pmx	
SEY	Seymchan	comp=Z,30nm,1.3s	49.25 18	iP	P	03 23 08.8 -0.1
BRZS	Berezniaki	comp=Z,30nm,1.3s	49.48 321	eP	P	03 23 12.4 +1.5
BRZS	Fort	comp=Z,30nm,1.3s	49.60 172	eP	S	03 30 18.9 +4.3
BRZS	Fort	comp=Z,85nm,0.7s	49.60 172	eP	P	03 23 10.4 -1.1
NWAO	Narogin (SRO)	comp=Z,37nm,0.6s	51.40 184	eP	P	03 23 24.4 -1.5
NWAO	Narogin (SRO)	comp=Z,577nm,22.0s		LR	LR	
NWAO	Narogin (SRO)	comp=Z,37nm,0.6s	51.40 184	eP	P	03 23 24.4 -1.1
NWAO	Narogin (SRO)	comp=Z,37nm,0.6s		pmx	pmx	
BVA0	Borovoye Array	comp=Z,31nm,1.3s	51.93 324	P	P	03 23 28.9 -0.4
BVA0	Borovoye Array	comp=Z,31nm,1.3s		pmx	pmx	
BVAR	Borovoye Array	comp=Z,1um,19.4s,baz=116,slow=38	51.93 324	LR	LR	03 47 46.2
BRVK	Borovoye	comp=Z,69nm,1.1s	52.00 324	eP	P	03 23 30.6 +0.8

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BRVK	Borovoye	comp=Z,884nm,20.0s	52.00 324	P	P	03 23 30.8 +1.0
BRVK	Borovoye	SNR=35	52.00 324	P	P	03 23 30.8 +1.0
BRVK	Borovoye	SNR=35	52.00 324	eP	P	03 23 30.1 +0.3
BRVK	Borovoye	SNR=35	52.00 324	eP	P	03 23 30.1 +0.3
EIDS	Eidsvold	comp=Z,70nm,1.1s	52.64 145	eP	P	03 23 34.6 -0.2
EIDS	Eidsvold	comp=Z,45nm,1.7s		LR	LR	
BBOO	Bucklebo	comp=Z,67nm,0.9s	53.15 164	eP	P	03 23 36.8 -1.7
TIXI	Tiksi	comp=Z,53nm,0.9s	53.22 3	eP	P	03 23 37.8 -0.6
TIXI	Tiksi	comp=Z,1um,22.0s	53.22 3	eP	P	03 23 37.8 -0.6
TIXI	Tiksi			pmx	pmx	
TIXI	Tiksi	comp=Z,53nm,0.9s		LR	LR	
STKA	Stevens Creek	comp=Z,595nm,20.5s,baz=342,slow=38	53.97 158	P	P	03 23 43.1 -1.4
STKA	Stevens Creek	comp=Z,22nm,0.7s,baz=335,slow=7.9,SNR=63		LR	LR	03 48 51.4
STKA	Stevens Creek	comp=Z,595nm,20.5s,baz=342,slow=38	53.97 158	eP	P	03 23 43.1 -1.4
STKA	Stevens Creek	comp=Z,4.8nm,0.7s		pmx	pmx	
STKA	Stevens Creek	comp=Z,5.0nm,0.7s		pmx	pmx	
NRIK	Noril'sk	comp=Z,93nm,1.0s,baz=151,slow=24,SNR=65	54.70 346	P	P	03 23 49.6 +0.3
NRIK	Noril'sk	comp=Z,93nm,1.0s,baz=151,slow=24,SNR=65		LR	LR	03 49 16.4
AB31	Akbulak array	comp=Z,4um,18.1s,baz=65,slow=38	57.27 317	iP	P	03 24 08.1 +0.1
AB31	Akbulak array	comp=Z,33nm,1.1s		pmx	pmx	
ABKAR	Akbulak array	comp=Z,33nm,1.1s	57.27 317	eP	P	03 24 08.1 +0.3
GEYT	Alibek	comp=Z,1.5um,0.3s,baz=222,slow=2.0,SNR=10	57.57 304	P	P	03 24 10.4 0.0
GEYT	Alibek	comp=Z,1.5um,0.3s,baz=222,slow=2.0,SNR=10		LR	LR	03 51 37.7
GEYT	Alibek	comp=Z,1um,20.9s,baz=225,slow=39		LR	LR	03 24 11.6 +1.2
GYA0B	ALIBEK ARRAY	comp=Z,31nm,1.1s	58.45 326	eP	P	03 24 16.4 +0.2
SVE	Sverdlovsk	comp=Z,78nm,1.6s	58.47 287	P	P	03 24 19.0 +2.1
SVE	Sverdlovsk	comp=Z,78nm,1.6s		MLR	MLR	
SVE	Sverdlovsk	comp=Z,1um,18.0s		MLR	MLR	
BIDO	Bidbid	SNR=11	58.47 287	P	P	03 24 19.0 +2.1
BIDO	Bidbid	SNR=11	58.47 287	P	P	03 51 00.8
AKTO	Aktyubinsk	comp=Z,1um,21.4s,baz=123,slow=37	58.69 318	LR	LR	03 52 40.3
ARU	Arti	comp=Z,1um,20.5s,baz=96,slow=39	59.47 325	LR	LR	03 24 23.7 +0.5
ARU	Arti	comp=Z,34nm,0.9s		LR	LR	
ARU	Arti	comp=Z,1um,20.0s	59.47 325	iP	P	03 24 23.6 +0.3
ARU	Arti			S	S	03 25 08.7
ARU	Arti			S	S	03 26 32.1
ARU	Arti			S	S	03 32 32.3 +3.6
ARU	Arti	comp=Z,57nm,1.7s		MLR	MLR	
ARU	Arti	comp=Z,1um,20.0s		MLR	MLR	
BANOI	Bano	comp=Z,2um,20.0s	59.79 290	P	P	03 24 26.5 +0.4
SOHO	Shamm	comp=Z,30nm,1.6s	59.82 288	P	P	03 24 26.1 -0.2
SHME	Shamm	comp=Z,30nm,1.6s	59.82 288	P	P	03 24 26.8 -0.1
UOSS	Minazif	comp=Z,30nm,1.6s	60.01 289	eP	P	03 24 27.4 -0.1
DZM	Mont Dzumac	comp=Z,694nm,27.8s	60.11 130	eS	S	03 32 39.8 +1.8
DZM	Mont Dzumac	comp=Z,694nm,27.8s		LR	LR	03 42 14.6
ASHO	Ashiyah	comp=Z,3um,22.8s	60.17 288	P	P	03 24 29.8 +1.1
ASHO	Ashiyah	SNR=5	60.17 288	P	P	03 24 29.8 +1.1
ASHO	Ashiyah	SNR=5	60.17 288	P	P	03 24 29.8 +1.1
ASHO	Ashiyah	SNR=5	60.17 288	P	P	03 24 28.3 -0.4
IAZ	Nazwa, Dubai	comp=Z,31nm,1.1s	60.49 289	P	P	03 24 31.5 +0.7
ASUD	Al-Shush, Dub	comp=Z,31nm,1.1s	60.84 288	P	P	03 24 32.6 -0.6
MAK	Makhachkala	comp=Z,31nm,1.1s	65.57 309	eP	S	03 25 02.6 -1.6
MAK	Makhachkala			eS	S	03 33 44.2 -1.5
MAK	Makhachkala	comp=Z,59nm,1.4s		pmx</		

Table with columns for station name, frequency, power, and signal quality. Includes stations like ARCES ARCES Array B, GLI Glacier Island, SPA0 Spitsbergen Ar, etc.

Table with columns for station name, frequency, power, and signal quality. Includes stations like ISP Isparta, TLB Topalu, PETR Petresti, etc.

Table with columns for station name, frequency, power, and signal quality. Includes stations like STIP Stip, XOR Xorichti, XOR Xorichti, etc.

GLMI	Graying	112.66	19	PFAKE	LR	LR	03 33 10.0
GLMI	comp=Z,591nm,21.0s						
MNTX	Cornudas Mount	113.05	42	PFAKE	LR	LR	03 33 10.0
MNTX	comp=Z,406nm,22.0s						
Q38A	Cooks Store, C	114.17	29	P	PKPdf	PKPdf	03 32 59.0 -0.8
HDIL	Hopedale	114.72	25	PFAKE	LR	LR	03 33 10.0 +9.3
HDIL	comp=Z,369nm,20.0s						
WMOK	Wichita Mounta	114.83	35	PFAKE	LR	LR	03 33 10.0 +8.8
WMOK	comp=Z,334nm,20.0s						
WMOK	Wichita Mounta	114.83	35	P	PKPdf	PKPdf	03 33 00.7 -0.5
S38A	Stockton	115.11	30	P	PKPdf	PKPdf	03 33 00.5 -1.1
AAM	Ann Arbor	115.23	20	PFAKE	LR	LR	03 33 10.0 +8.3
AAM	comp=Z,523nm,22.0s						
S39A	Bolivar	115.33	30	ePKPdf	PKPdf	PKPdf	03 33 01.4 -0.6
S39A	Bolivar	115.33	30	P	PKPdf	PKPdf	03 33 01.1 -1.0
T38A	Diamond	115.39	31	P	PKPdf	PKPdf	03 33 01.3 -0.9
LONY	Lake Ozonia	115.46	12	PFAKE	LR	LR	03 33 10.0 +7.9
LONY	comp=Z,481nm,20.0s						
PKME	Peaks-Kenny Pk	115.72	8	PFAKE	LR	LR	03 33 10.0 +7.5
PKME	comp=Z,452nm,19.0s						
TX31	Lajitas Ar. Si	115.73	43	ePKPdf	PKPdf	PKPdf	03 33 03.2 0.0
TXAR	Lajitas Array	115.73	43	PKP	PKPdf	PKPdf	03 33 03.2 +0.1
TXAR	comp=Z,2.6nm,0.7s,baz=210,slow=0.5,SNR=17						
BT3A	Cleaver	115.84	30	P	PKPdf	PKPdf	03 33 02.6 -0.4
ABTX	Ablene, Hawle	115.90	38	ePKPdf	PKPdf	PKPdf	03 33 03.8 +0.5
ABTX	Ablene, Hawle	115.90	38	P	PKPdf	PKPdf	03 33 03.4 +0.1
CCM	Cathedral Cave	115.99	28	P	PKPdf	PKPdf	03 33 02.4 -0.9
SC14	Jillico Farms,	116.15	29	P	PKPdf	PKPdf	03 33 03.0 -0.6
T40A	Mansfield	116.15	29	P	PKPdf	PKPdf	03 33 02.9 -0.7
HHAR	Hobbs	116.17	31	ePKPdf	PKPdf	PKPdf	03 33 03.1 -0.6
P45A	Graceland, Par	116.21	24	P	PKPdf	PKPdf	03 33 03.2 -0.4
U39A	Green Forest	116.31	31	P	PKPdf	PKPdf	03 33 03.2 -0.7
S42A	Caledonia	116.42	28	P	PKPdf	PKPdf	03 33 03.6 -0.5
T41A	Mountain View	116.58	29	P	PKPdf	PKPdf	03 33 03.6 -0.9
U40A	Yellville	116.63	30	P	PKPdf	PKPdf	03 33 03.6 -1.0
V39A	Pettigrew	116.66	31	P	PKPdf	PKPdf	03 33 03.8 -0.9
T42A	Van Buren	116.90	28	P	PKPdf	PKPdf	03 33 04.4 -0.7
U41A	Viola	117.08	30	P	PKPdf	PKPdf	03 33 04.8 -0.6
V40A	Whits Springs	117.09	31	ePKPdf	PKPdf	PKPdf	03 33 05.0 -0.5
V40A	Whits Springs	117.09	31	P	PKPdf	PKPdf	03 33 04.7 -0.8
O50A	Cable	117.18	21	P	PKPdf	PKPdf	03 33 04.9 -0.6
ACSO	Alum Creek Sta	117.32	20	ePKPdf	LR	LR	03 33 05.9 +0.1
ACSO	comp=Z,511nm,20.0s						
JCT	Junction City	117.35	39	ePKPdf	LR	LR	03 33 06.5 +0.3
JCT	comp=Z,319nm,20.0s						
JCT	Junction City	117.35	39	P	PKPdf	PKPdf	03 33 06.0 -0.2
U42A	Reverend	117.39	29	P	PKPdf	PKPdf	03 33 05.2 -0.8
V41A	Mountainview	117.42	30	P	PKPdf	PKPdf	03 33 05.2 -0.9
BINY	Binghamton	117.47	14	PFAKE	LR	LR	03 33 20.0 +1.4
BINY	comp=Z,534nm,20.0s						
X39A	Fountain Ranch	117.48	32	P	PKPdf	PKPdf	03 33 06.2 -0.1
Q48A	North Vernon	117.50	23	P	PKPdf	PKPdf	03 33 05.9 -0.2
O51A	Pataskala	117.52	20	P	PKPdf	PKPdf	03 33 05.6 -0.6
MIAR	Mount Ida	117.72	32	ePKPdf	LR	LR	03 33 06.2 -0.5
MIAR	comp=Z,456nm,22.0s						
MIAR	Mount Ida	117.72	32	ePKIKP	MLR	MLR	03 33 06.2 -0.5
MIAR	comp=Z,456nm,22.0s						
MIAR	Mount Ida	117.72	32	P	PKPdf	PKPdf	03 33 06.6 -0.1
R47A	Woody Knot Far	117.75	24	P	PKPdf	PKPdf	03 33 06.3 -0.3
V42A	Cord	117.77	29	P	PKPdf	PKPdf	03 33 06.2 -0.5
P52A	Corning	118.14	20	P	PKPdf	PKPdf	03 33 06.6 -0.8
X40A	Basin Creek Fa	118.14	31	ePKPdf	PKPdf	PKPdf	03 33 07.9 +0.4
X40A	Basin Creek Fa	118.14	31	P	PKPdf	PKPdf	03 33 07.9 +0.4
Q51A	Peebles	118.28	21	P	PKPdf	PKPdf	03 33 06.8 -0.8
T46A	Princeton	118.28	26	P	PKPdf	PKPdf	03 33 07.5 -0.2
X41A	Kaden, Bauxite	118.29	31	P	PKPdf	PKPdf	03 33 07.3 -0.4
435B	Jarell	118.44	38	ePKPdf	PKPdf	PKPdf	03 33 08.8 +0.6
435B	Jarell	118.44	38	P	PKPdf	PKPdf	03 33 08.2 +0.1
S48A	Wedeman Farm,	118.49	24	P	PKPdf	PKPdf	03 33 07.3 -0.8
P53A	Whipple	118.51	20	P	PKPdf	PKPdf	03 33 07.5 -0.6
R50A	Paris	118.59	23	P	PKPdf	PKPdf	03 33 07.5 -0.8
A65A	Springville	118.74	27	P	PKPdf	PKPdf	03 33 08.4 -0.2
T48A	Bowling Green	118.83	25	P	PKPdf	PKPdf	03 33 08.5 -0.3
R51A	Hillsboro	118.84	22	P	PKPdf	PKPdf	03 33 08.8 0.0
U47A	Clarksville	119.04	26	P	PKPdf	PKPdf	03 33 08.6 -0.6
WWT	Waverly	119.08	27	ePKPdf	PKPdf	PKPdf	03 33 08.5 -0.7
WWT	Waverly	119.08	27	ePKIKP	PKPdf	PKPdf	03 33 08.5 -0.7
WWT	Waverly	119.08	27	P	PKPdf	PKPdf	03 33 08.6 -0.7
S50A	Richmond	119.10	23	P	PKPdf	PKPdf	03 33 08.6 -0.7
R33A	Chaparral WMA,	119.13	41	ePKPdf	PKPdf	PKPdf	03 33 10.6 +1.0
R33A	Chaparral WMA,	119.13	41	P	PKPdf	PKPdf	03 33 10.0 +0.4
V46A	Holladay	119.24	27	P	PKPdf	PKPdf	03 33 09.0 -0.6
U48A	Cassie Pea, Po	119.29	25	P	PKPdf	PKPdf	03 33 09.2 -0.5
NATX	Nacogdoches	119.34	35	PFAKE	LR	LR	03 33 20.0 +1.0
NATX	comp=Z,380nm,21.0s						
X44A	Crenshaw	119.42	29	P	PKPdf	PKPdf	03 33 09.9 0.0
S51A	Beattyville	119.43	22	ePKPdf	PKPdf	PKPdf	03 33 09.5 -0.4
S51A	Beattyville	119.43	22	P	PKPdf	PKPdf	03 33 09.3 -0.6
V47A	Nunnely	119.47	26	P	PKPdf	PKPdf	03 33 09.1 -1.0
T50A	Nancy	119.51	24	P	PKPdf	PKPdf	03 33 09.4 -0.7
S52A	Salyersville	119.58	22	P	PKPdf	PKPdf	03 33 09.5 -0.7
VNA2	Neumayer-Watz	119.58	197	PKP	PKPdf	PKPdf	03 33 08.3 -0.8
U46A	Red Boiling Sp	119.59	25	P	PKPdf	PKPdf	03 33 09.5 -0.8
U46A	Michie	119.69	28	P	PKPdf	PKPdf	03 33 09.5 -0.9
OXF	Oxford	119.75	29	P	PKPdf	PKPdf	03 33 10.1 -0.5
X45A	UM Field Stati	119.83	29	P	PKPdf	PKPdf	03 33 10.8 +0.1
Y44A	Strider, Charl	119.83	30	P	PKPdf	PKPdf	03 33 11.5 +0.7

V47A	Smith Brothers	119.84	26	ePKPdf	PKPdf	PKPdf	03 33 10.0 -0.7
V48A	Smith Brothers	119.84	26	P	PKPdf	PKPdf	03 33 10.2 -0.5
T51A	Gray	119.90	23	P	PKPdf	PKPdf	03 33 10.2 -0.6
W47A	Westpoint	119.93	27	P	PKPdf	PKPdf	03 33 10.0 -1.0
PLAL	Plickick Lake	119.95	27	ePKPdf	PKPdf	PKPdf	03 33 10.0 -0.9
VNA3	Neumayer Olym	120.03	196	PKP	PKPdf	PKPdf	03 33 09.2 -0.8
U50A	Jamestown	120.04	24	P	PKPdf	PKPdf	03 33 10.6 -0.6
HKT	Hockley	120.06	37	ePKPdf	PKPdf	PKPdf	03 33 11.0 -0.3
HKT	Hockley	120.06	37	ePKIKP	PKPdf	PKPdf	03 33 11.0 -0.3
T52A	Hallie	120.12	22	P	PKPdf	PKPdf	03 33 10.9 -0.4
V49A	McMinville	120.19	25	P	PKPdf	PKPdf	03 33 11.1 -0.3
W48A	Pulaski	120.21	26	P	PKPdf	PKPdf	03 33 10.8 -0.9
TZTN	Tazewell	120.22	23	ePKPdf	PKPdf	PKPdf	03 33 10.9 -0.9
TZTN	Tazewell	120.22	23	P	PKPdf	PKPdf	03 33 11.5 -0.4
X47A	Sevierville	120.44	28	P	PKPdf	PKPdf	03 33 10.8 -1.1
341A	Kurthwood	120.47	34	P	PKPdf	PKPdf	03 33 12.5 +0.5
Y46A	Houston	120.52	29	P	PKPdf	PKPdf	03 33 11.3 -0.8
V50A	Pikeville	120.59	25	P	PKPdf	PKPdf	03 33 11.5 -0.8
W49A	Belvidere	120.60	26	P	PKPdf	PKPdf	03 33 11.3 -0.9
KVTX	Kingsville	120.61	40	PFAKE	LR	LR	03 33 20.0 +7.6
KVTX	comp=Z,213nm,21.0s						
U52A	Thorn Hill	120.62	23	P	PKPdf	PKPdf	03 33 12.1 -0.2
SWET	Swanene	120.66	26	ePKPdf	PKPdf	PKPdf	03 33 11.7 -0.7
V51A	Loudon	120.77	24	ePKPdf	PKPdf	PKPdf	03 33 12.3 -0.2
V51A	Loudon	120.77	24	P	PKPdf	PKPdf	03 33 11.9 -0.6
X48A	Hartselle	120.85	27	ePKPdf	PKPdf	PKPdf	03 33 11.9 -0.8
X48A	Hartselle	120.85	27	P	PKPdf	PKPdf	03 33 11.6 -1.1
CBN	Corbin Frederi	120.89	17	PFAKE	LR	LR	03 33 20.0 +7.3
CBN	comp=Z,476nm,21.0s						
BLA	Blacksburg	120.89	20	PFAKE	LR	LR	03 33 20.0 +7.2
BLA	comp=Z,510nm,21.0s						
W50A	Signal Mountai	120.92	25	P	PKPdf	PKPdf	03 33 12.1 -0.8
Y47A	UCPARC, Winfie	120.96	28	P	PKPdf	PKPdf	03 33 11.9 -1.1
DBIC	Dimbokro	120.99	290	PKP	PKPdf	PKPdf	03 33 13.2 -0.3
DBIC	comp=Z,4nm,0.9s,baz=351,slow=6.2,SNR=30						
DBIC	Dimbokro	120.99	290	PKIKP	PKPdf	PKPdf	03 33 13.2 -0.3
DBIC	pmx						
CPCT	Cooper Cave	121.02	24	P	PKPdf	PKPdf	03 33 12.9 -0.1
V52A	Sevierville	121.02	23	ePKPdf	PKPdf	PKPdf	03 33 12.6 -0.5
V52A	Sevierville	121.02	23	P	PKPdf	PKPdf	03 33 12.6 -0.5
Z46A	Louisville	121.06	29	P	PKPdf	PKPdf	03 33 12.7 -0.4
X49A	Woodville	121.10	26	P	PKPdf	PKPdf	03 33 12.4 -0.8
TKL	Tuckaleechee C	121.12	23	PKP	PKPdf	PKPdf	03 33 12.9 -0.4
TKL	comp=Z,5.7nm,0.8s,baz=132,slow=3.8,SNR=9.5						
TKL	Tuckaleechee C	121.12	23	ePKPdf	PKPdf	PKPdf	03 33 13.2 0.0
244A	Avery, Jackson	121.17	31	P	PKPdf	PKPdf	03 33 13.4 0.0
Y48A	Jasper	121.25	27	P	PKPdf	PKPdf	03 33 12.4 -1.1
X50B	Fort Payne	121.42	26	P	PKPdf	PKPdf	03 33 12.8 -1.0
Z47A	Carrollton	121.45	29	P	PKPdf	PKPdf	03 33 13.2 -0.7
V53A	Saluda	121.47	23	ePKPdf	PKPdf	PKPdf	03 33 13.8 -0.1
V53A	Saluda	121.47	23	P	PKPdf	PKPdf	03 33 13.6 -0.4
146A	Union	121.47	30	ePKPdf	PKPdf	PKPdf	03 33 14.3 +0.4
146A	Union	121.47	30	P	PKPdf	PKPdf	03 33 14.2 +0.2
LNIG	Linares	121.48	44	ePKPdf	PKPdf	PKPdf	03 33 13.7 -0.5
Z48A	Northport	121.53	28	P	PKPdf	PKPdf	03 33 13.3 -0.7
W52A	Murphy	121.56	24	ePKPdf	PKPdf	PKPdf	03 33 13.8 -0.3
W52A	Murphy	121.56	24	P	PKPdf	PKPdf	03 33 13.9 -0.3
344A	Westbrook Farm	121.62	32	P	PKPdf	PKPdf	03 33 14.7 +0.4
Y49A	Blount Mountai	121.62	27	ePKPdf	PKPdf	PKPdf	03 33 13.8 -0.5
Y49A	Blount Mountai	121.62	27	P	PKPdf	PKPdf	03 33 13.6 -0.7
W53A	Cullowhee	121.78	23	P	PKPdf	PKPdf	03 33 14.3 -0.4
Y50A	Piedmont	121.88	26	P	PKPdf	PKPdf	03 33 14.5 -0.3
X52A	Dahlonaga	122.00	24	P	PKPdf	PKPdf	03 33 14.6 -0.3
LRL	Lakeview Retre	122.07	28	ePKPdf	PKPdf	PKPdf	03 33 14.1 -1.0
LRL	Lakeview Retre	122.07	28	P	PKPdf	PKPdf	03 33 14.7 -0.4
Z49A	Columbiana	122.14	27	P	PKPdf	PKPdf	03 33 14.6 -0.6
247A	Quitman	122.16	3				

7d 7h

SRA1		eS	Sn	07 01 19.9 +1.1
PLVR	Palo Verde	0.69 333 eP	Pb	07 01 08.8 +0.2
VCR	Vista de Mar	0.71 304 eP	Pb	07 01 08.5 -0.3
ARE1	Arenal 1	0.79 23 eP	Pn	07 01 11.7 +0.8
CUI	Cuipilapa	0.93 352 eP	Pn	07 01 13.2 +0.2
HDC	Heredia	0.94 78 ePn	Pn	07 01 14.4 +1.1
HDC	Heredia	0.94 73 eP	Pn	07 01 14.3 +1.1
SJS	Escuela Geolog	0.98 78 eP	Pn	07 01 15.0 +1.2
LCR2	La Lucha 2	1.01 89 eP	Pn	07 01 14.7 +0.5
MESS	Mesas	1.02 31 eP	Pn	07 01 14.6 +0.5
URSC	Urasca	1.24 95 eP	Pn	07 01 18.5 +0.8
TD0	Dominal	1.24 112 eP	Pn	07 01 17.1 -0.1
EDLM	Las Mercedes	1.49 107 eP	Pn	07 01 20.8 +0.2
TRT1	Tortuguero	1.57 57 eP	Pb	07 01 24.0 +0.7
EDPN	Palmar Norte	1.73 116 eP	Pn	07 01 24.2 +0.3
EDBA	Buenos Aires	1.82 108 eP	Pn	07 01 25.5 +0.3
CONN	Concepcion	1.92 342 eP	Pn	07 01 27.4 +1.0
ACON	Acayapa	2.23 356 eP	Sb	07 02 04.6 +2.8
ACON			Sb	07 02 04.6 +2.8
ESPN	Las Esperanzas	2.55 16 eS	Pn	07 01 37.0 +1.8
ESPN	Las Esperanzas	2.55 16 eS	Pn	07 01 37.1 +1.8
MGAN	Managua	2.66 334 eP	Pb	07 01 40.3 -2.0
MGAN			Sb	07 02 15.3 +1.4
MGAN			IAML	07 02 23.4
BOAB	BOACO BROADBAND	77 347 ePn	Pn	07 01 39.2 +0.9
BOAB	BOACO BROADBAND	77 347 ePn	Pn	07 01 39.2 +0.9
APYN	Apoeyaco	9.51 914 ePn	Pn	07 01 10.5 +1.8
COPN	Copapeque	2.88 328 eP	Pn	07 01 40.9 +1.1
MOMN	Momotombo	3.05 331 eP	Pn	07 01 44.9 +2.8
BRAN	Las Pilas	3.24 337 eP	Pn	07 01 39.9 -4.8
MATN	Matagalpa	3.30 345 eP	Pn	07 01 46.8 +1.2
ESTN	Estel	3.60 339 ePn	Pn	07 01 50.1 +0.4
ESTN	Estel	3.60 339 ePn	Pn	07 01 50.9 +1.2
ESTN			IAML	07 03 04.3
CSGN	Compu-E, 66nm, 1.1s	4.07 323 ePn	Pn	07 01 57.4 +1.2
CSGN	Coisguina Volc	4.07 323 eS	Sn	07 02 42.5 -0.7
CSGN	Coisguina Volc	4.07 323 ePn	Pn	07 02 42.3
BCIP	Isia Barro Col	5.15 96 ePn	Pn	07 02 12.2 +1.2
BCIP			Sn	07 02 09.4 -0.4
APG	El Apazote	7.46 315 Pn	Pn	07 02 45.9 +2.9
WBGY	Comitan	9.51 914 ePn	Pn	07 03 12.2 +1.3
CCWC	West Bay, Gran	10.21 20 ePn	Pn	07 03 22.2 +1.8
PAYG	Puerto Ayora	11.59 207 ePn	Pn	07 03 43.2 +3.8
ROSC	El Rosal	11.68 114 ePn	Pn	07 03 40.3 -0.6
CMIG	Marias Romero	12.06 308 Pn	Pn	07 03 47.0 +1.3
CMIG			LR	07 08 27.3
TLIG	Tiapa	15.28 302 ePn	Pn	07 04 30.3 +0.5
MOIG	Morelia	18.48 304 eP	Pn	07 05 09.2 -0.8
PCRV	Puerto La Cruz	20.09 87 P	Pn	07 05 27.5 0.0
SJG	San Juan	20.11 63 eP	Pn	07 05 25.8 -1.9
556A	Lake Butler	20.32 7 P	Pn	07 05 35.0 +3.1
553A	Crawfordville	20.36 1 P	Pn	07 05 35.4 +3.0
456A	Hilliard	21.08 7 eP	Pn	07 05 38.1 +0.2
ZAIG	Zacatecas	21.22 310 eP	Pn	07 05 40.9 +1.0
543A	St. Martinville	21.23 343 eP	Pn	07 05 45.0 +0.8
351A	Pinckard	21.45 359 P	Pn	07 05 46.2 +4.2
353A	Camilla	21.52 2 P	Pn	07 05 46.3 +3.5
349A	Repton	21.61 355 P	Pn	07 05 45.3 +1.6
352A	Blakely	21.64 0 eP	Pn	07 05 43.2 -0.8
352A	Blakely	21.64 0 P	Pn	07 05 46.0 +2.0
252A	Lumpkin	22.16 1 P	Pn	07 05 52.3 +2.7
254A	Abbeville	22.16 4 P	Pn	07 05 51.2 +1.5
344A	Westbrook Farm	22.25 347 eP	Pn	07 05 50.1 -0.5
344A	Westbrook Farm	22.25 347 eP	Pn	07 05 53.0 +2.3
251A	Midway	22.26 359 P	Pn	07 05 53.0 +2.4
245A	Little AR, Sta	22.65 349 P	Pn	07 05 56.0 +1.2
151A	Opelika	22.69 359 P	Pn	07 05 56.8 +1.5
150A	Eclectic	22.78 358 P	Pn	07 05 58.0 +1.7
149A	Jones	22.82 356 P	Pn	07 05 57.9 +1.3
152A	Waverly Hall	22.83 1 eP	Pn	07 05 56.8 +0.1
152A	Waverly Hall	22.83 1 P	Pn	07 05 58.2 +1.4
154A	Montrose	22.84 4 eP	Pn	07 05 56.6 -0.2
154A	Montrose	22.84 4 P	Pn	07 05 58.1 +1.2
833A	Chaparral WMA,	22.90 326 eP	Pn	07 05 57.0 -0.6
155A	Kite	22.90 6 P	Pn	07 05 58.8 +1.2
VBMS	Vicksburg	22.95 348 eP	Pn	07 05 58.7 +0.7
147A	Livingston	23.03 353 eP	Pn	07 05 58.8 0.0
147A	Livingston	23.03 353 P	Pn	07 05 59.9 +1.1
LRAL	Lakeview Retre	23.26 356 eP	Pn	07 06 01.4 +0.1
LRAL	Lakeview Retre	23.26 356 P	Pn	07 06 02.2 +1.0
Z52A	Williamson	23.35 1 P	Pn	07 06 03.1 +1.0
Z49A	Columbiana	23.39 357 P	Pn	07 06 03.4 +0.9
Z50A	Ashland	23.43 358 eP	Pn	07 06 03.6 +0.8
Z50A	Ashland	23.43 358 P	Pn	07 06 03.4 +0.6
Z53A	Monticello	23.48 3 P	Pn	07 06 04.1 +0.8
Z54A	Sparta	23.48 5 P	Pn	07 06 04.1 +0.8
Z47A	Carrollton	23.52 354 P	Pn	07 06 04.3 +0.5
Z55A	Blythe	23.53 6 P	Pn	07 06 04.6 +0.8
GOGA	Godfrey	23.61 3 eP	Pn	07 06 05.1 +0.5
GOGA	Godfrey	23.61 3 P	Pn	07 06 05.1 +0.5
Z46A	Louisville	23.63 352 P	Pn	07 06 05.6 +0.8
Z48A	Northport	23.65 355 P	Pn	07 06 05.5 +0.5
Z45A	Winona	23.92 350 eP	Pn	07 06 08.7 +1.2
Z45A	Winona	23.92 350 P	Pn	07 06 08.8 +1.2
435B	Jarell	23.99 333 eP	Pn	07 06 07.1 -1.2
Y52A	Lilburn	24.04 2 eP	Pn	07 06 08.0 -0.7
Y52A	Lilburn	24.04 2 P	Pn	07 06 09.2 +0.5
Y49A	Blount Mountain	24.05 357 eP	Pn	07 06 08.1 -0.7
Y49A	Blount Mountain	24.05 357 P	Pn	07 06 09.0 +0.2
Y53A	Monroe	24.05 3 P	Pn	07 06 09.4 +0.6
Y51A	Rockmart	24.05 360 P	Pn	07 06 08.9 +0.1
Y50A	Piedmont	24.06 359 P	Pn	07 06 08.9 0.0
Y54A	Tignall	24.11 5 P	Pn	07 06 09.4 0.0
Y48A	Jasper	24.15 356 P	Pn	07 06 09.6 -0.1

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Y46A	Houston	baz=175,SNR=6.1	24.30 352 P	P	07 06 11.0 -0.1
Y46A	Houston	baz=171,SNR=6.1	24.30 344 eP	P	07 06 13.2 +0.3
Z41A	Richland Creek	comp=E, 3.9nm, 1.0s	24.49 344 eP	P	07 06 14.7 +0.2
X48A	Hartselle	comp=E, 3.9nm, 0.8s	24.68 356 eP	P	07 06 15.0 +0.3
X49A	Woodville	comp=E, 3.9nm, 0.8s	24.70 357 P	P	07 06 15.0 +0.3
X51A	Calhoun	comp=E, 8.3nm, 0.9s	24.72 0 eP	P	07 06 15.0 +0.1
X47A	Russellville	baz=173	24.81 354 P	P	07 06 15.7 0.0
X46A	Boonville	baz=172	24.92 353 P	P	07 06 16.5 -0.2
WHXT	Lake Whitney,	comp=E, 1.0nm, 0.8s	24.97 334 eP	P	07 06 17.4 +0.2
OXF	Oxford	comp=E, 1.0nm, 0.8s	24.99 351 P	P	07 06 17.3 0.0
W52A	Murphy	comp=E, 6.7nm, 0.9s	25.27 2 eP	P	07 06 20.2 +0.3
W52A	Murphy	comp=E, 6.7nm, 0.9s	25.27 2 P	P	07 06 20.6 +0.7
W48A	Pulaski	baz=176	25.35 356 P	P	07 06 20.9 +0.3
W47A	Westpoint	baz=174	25.51 355 P	P	07 06 22.0 -0.1
TKL	Tuckaleechee C	comp=E, 2.0nm, 0.8s, baz=147,slow=11,SNR=3.7	25.84 2 eP	P	07 06 20.8 -4.2
MIAR	Mount Ida	comp=E, 6.7nm, 0.8s	25.91 344 eP	P	07 06 26.1 +0.4
MIAR	Mount Ida	baz=160,SNR=5.7	25.91 344 P	P	07 06 26.2 +0.4
V51A	Loudon	comp=E, 7.2nm, 0.8s	25.96 1 eP	P	07 06 26.3 +0.1
V47A	Nashley	baz=177	26.08 355 P	P	07 06 27.0 -0.3
TXAR	Lajitas Array	comp=E, 0.8nm, 0.9s, baz=147,slow=11,SNR=3.7	26.17 321 P	P	07 06 27.7 -0.6
TX31	Lajitas Ar. Si	comp=E, 0.8nm, 0.9s, baz=147,slow=11,SNR=3.7	26.17 321 eP	P	07 06 28.4 +0.1
WWT	Carlsbad	comp=E, 4.9nm, 1.0s	26.40 355 eP	P	07 06 29.9 -1.2
U50A	Jamesstown	baz=180	26.57 0 P	P	07 06 31.4 -0.3
U53A	Red Branch	comp=E, 0.8nm, 0.9s, baz=147,slow=11,SNR=3.7	26.61 4 P	P	07 06 32.2 +0.2
U49A	Red Boiling Sp	baz=178	26.67 359 P	P	07 06 32.5 0.0
T49A	Edmonton	comp=E, 1.6nm, 1.8s	27.26 359 eP	P	07 06 37.3 -0.6
S51A	Beattyville	baz=183	27.82 2 P	P	07 06 42.7 -0.1
T41A	Mountain View	comp=E, 0.8nm, 0.9s, baz=147,slow=11,SNR=3.7	27.87 348 P	P	07 06 42.9 -0.5
S52A	Salyersville	baz=184	27.88 3 P	P	07 06 44.0 +0.5
WCI	Wyandotte Cave	comp=E, 6.0nm, 0.9s	28.41 325 eP	P	07 06 47.0 -1.1
CLNB	Carlsbad	comp=E, 6.0nm, 0.9s	28.41 325 eP	P	07 06 47.0 -1.3
R51A	Hillsboro	baz=183	28.48 2 P	P	07 06 48.7 0.0
MNTX	Cornudas Mount	comp=E, 3.0nm, 1.1s	28.88 322 eP	P	07 06 53.4 +0.9
Q51A	Peebles	comp=E, 1.5nm, 0.6s	29.21 3 eP	P	07 06 54.6 -0.7
Q51A	Peebles	baz=183,SNR=7.7	29.21 3 P	P	07 06 55.1 -0.1
P53A	Whipple	baz=187	29.81 6 P	P	07 07 00.4 -0.1
P52A	Corning	baz=186	29.89 4 P	P	07 07 00.9 -0.4
O50A	Cable	baz=183	30.32 2 P	P	07 07 04.7 -0.4
O51A	Pataskala	baz=185	30.37 4 P	P	07 07 05.3 -0.2
O52A	Adamsville	baz=186	30.39 5 P	P	07 07 05.5 -0.2
ACSA	Alum Creek Sta	baz=184	30.43 3 P	P	07 07 05.7 -0.3
ANMO	Albuquerque	comp=E, 1.9nm, 0.8s	31.83 325 eP	P	07 07 18.7 -0.1
ANMO	Albuquerque	baz=137	31.83 325 P	P	07 07 18.6 -0.1
SDCO	Great Sand Dun	comp=E, 2.0nm, 0.8s	33.44 330 P	P	07 07 32.8 -0.1
SDCO	Great Sand Dun	comp=E, 2.0nm, 0.8s	33.44 330 eP	P	07 07 41.1 -0.9
SDCO	Great Sand Dun	baz=141	33.44 330 P	P	07 07 33.0 +0.1
K37A	Belmond	comp=E, 3.9nm, 0.6s	33.76 349 eP	P	07 07 34.9 -0.4
S22A	4UR Ranch, Cre	comp=E, 1.3nm, 1.9s	34.11 328 eP	P	07 07 39.2 +0.5
SIV	San Ignacio	comp=E, 0.7nm, 0.7s, baz=310,slow=5.4,SNR=4.7	34.87 137 P	P	07 07 18.9 +0.8
PV12	Saur Basin	comp=E, 5.2nm, 0.7s	35.58 327 eP	P	07 07 52.0 +0.7
PV18	Skein Mesa, Pa	comp=E, 4.3nm, 0.6s	35.58 327 eP	P	07 07 51.5 +0.2
PV16	Nyswonger Mesa	comp=E, 4.3nm, 0.6s	35.63 327 eP	P	07 07 52.2 +0.4
PV17	East Wray Mesa	comp=E, 6.5nm, 0.6s	35.64 327 eP	P	07 07 52.0 +0.2
W13A	Hualapai Mount	comp=E, 3.2nm, 1.0s	36.48 318 eP	P	07 08 01.2 +2.1
TPNV	Topopah Spring	comp=E, 3.4nm, 1.0s	39.12 319 eP	P	07 08 23.7 +2.4
TPNV	Topopah Spring	baz=126	39.12 319 P	P	07 08 22.7 +1.4
PDAR	Pinale Array	comp=E, 0.8nm, 0.8s, baz=132,slow=10,SNR=5.3	39.42 331 P	P	07 08 21.0 -1.7
PDAR	Pinale Array	comp=E, 0.8nm, 0.8s, baz=132,slow=10,SNR=5.3	39.42 328 eP	P	07 08 22.6 -1.2
R11A	Troy Canyon, C	comp=E, 3.9nm, 0.6s	39.54 321 P	P	07 08 25.3 +0.5
REDW	Red Top Meadow	comp=E, 3.9nm, 0.8s	40.35 331 eP	P	07 08 31.1 -0.5
TPAW	Teton Pass	comp=E, 2.7nm, 1.0s	40.50 331 eP	P	07 08 32.4 -0.4
NV11	Mina Array Sit	comp=E, 0.5nm, 0.9s	41.21 319 eP	P	07 08 40.2 +1.6
NV01	Mina Array Sit	comp=E, 0.5nm, 0.9s	41.30 319 eP	P	07 08 40.6 +1.2
NVAR	Mina Array Bea	comp=E, 3.1nm, 0.8s, baz=132,slow=7.1,SNR=3.2	41.30 319 P	P	07 08 40.1 +1.6
NVAR	Mina Array Bea	comp=E, 3.1nm, 0.8s, baz=138,slow=7.2,SNR=4.7	41.30 319 eP	P	07 10 39.1 +1.2
KVN	Kaisersville	comp=E, 3.0nm, 0.9s	41.53 320 eP	P	07 08 42.4 +1.1
BMN	Battle Mountain	comp=E, 4.4nm, 0.9s	41.82 322 eP	P	07 08 43.9 +0.3
BMN	Battle Mountain	comp=E, 4.4nm, 0.9s	41.82 322 eP	P	07 08 50.7 +0.6
WAKR	Walker	comp=E, 2.7nm, 0.8s	42.08 319 eP	P	07 08 48.0 +2.3
HLID	Hailey	comp=E, 7.9nm, 1.6s	42.29 328 eP	P	07 08 47.1 -0.4
HLID	Hailey	baz=134	42.29 328 P	P	07 08 47.1 -0.4
PNTR	Pine Nut	comp=E, 5.2nm, 1.2s	42.51 319 eP	P	07 08 51.2 +1.9
BEKR	Beckworth	comp=E, 1.8nm, 0.8s	43.43 320 eP	P	07 08 57.8 +1.0
WVOR	Wild Horse Val	comp=E, 5.3nm, 0.8s	43.89 324 eP	P	07 09 00.0 -0.3
BDFB	Bralia	comp=E, 8.2nm, 18.6s, baz=203,slow=40	44.49 124 LR	LR	07 09 13.2
M04C	Macdoel	comp=E, 4.3nm, 0.6s	45.43 321 P	P	07 09 12.0 -0.6
L04D	Klamath Falls	baz=124,SNR=5.5	45.96 321 P	P	07 09 16.5 -0.4
SCHO	Schefferville	comp=E, 7.			

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like NJ2 Nanjing, FLWY Flagg Ranch, SMCOW Snowmass, BW06 Boulder Array, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like MODS Modra-Piesok, GERES GERES Array B, BUD Budapest, CONA Conrad Observa, etc.

Code Station Name Az° AZZ° Phase ID Time Res h m s ISC

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like SFK Surf-Kurgan, MNAS Manas, etc.

Code Station Name Az° AZZ° Phase ID Time Res h m s ISC

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like IMPR Mona Island, IDE Isla Desecho, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like ICMP Isla Caja de M, EMPR Esperanza - Ma, etc.

IDC 07 08:02:41.7,2.0,9.81S:-118.39E,h0km,mb3.2/2, mb1 3.6/5,mb1mx3.4/0,mbtm3.4/5,ML3.3/3,MS2.9/1, Ms1 2.9/1,ms1mx2.6/11, Error ellipse: s-maj=79.0km s-min=25.5km az=45.0, Sumbawa region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like BATI Baunata, BATI Baunata, etc.

ISCJB 07 08:21:14.9,0.5,10.92S:0°05'113.63E,0°05'h25km, mb4.0/11, Error ellipse: s-maj=8.6km s-min=5.3km az=40.2

NEIC 07 08:21:15.0,0.5,10.83S:113°79'E,h10km,mb4.8/1, Error ellipse: s-maj=20.0km s-min=17.3km az=48.0

IDC 07 08:21:15.0,0.5,10.83S:113°79'E,h0km,mb3.8/9, mb1 4.0/9,mb1mx3.8/28,mbtm3.9/9, Error ellipse: s-maj=40.2km s-min=12.7km az=51.0

DJA 07 08:21:16.2,1.1,11°S:121°11'E, h10km,MB4/13, MB5/01,MLV4/2/3,MB(MB)3/1

ISC 07 08:21:17.2,0.6,10.84S:0°08'113.73E,0°06'h25km,n34, a219/35,mb4.0/11,South of Java

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like JAGI Jajag, JAGI Jajag, etc.

BJI 07 08:36:27.4,5.61S:152°17'E,h31km,mb5.1/68,mb5.1/48, Ms4.9/1,Ms7.4/6.45

Principal axes: T 0.8100, Plg72.0000°, Azm22.0000°; N 0.0630, Plg9.0000°, Azm262.0000°; P -0.8730, Plg15.0000°, Azm170.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. DJA 07:08:36:37.20.7.6'S:4.15'2E', h181km,6km,M5.3/35, m85.6/12,m5.2/35,MLV5.6/1,Mw(mB)5.1/12, ISC 07:08:36:33.0.0.2.5.58S:054.04:151.85E:0.04,h45km,n679, e1842/698,m5.2/135,M5.6/43,18C-6D,New Britain

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time Res, ISC. Lists various seismic stations including Rabaul, Manus Island, Port Moresby, Honiara, Jayapura, etc.

Table with columns: FITZ, Fityroy Crossi, 28.45 242 P, comp=-Z,122nm,0.9s,baz=83,slow=8.0,SNR=36. Lists seismic events with magnitude and station codes.

Table with columns: MNSI, Mandailing Nat, 52.57 275 P, comp=-Z,12nm,0.9s,comp=-Z,978nm. Lists seismic events with magnitude and station codes.

MONP2	Monument Peak	94.45	58	P	P	08 49 50.9+1.9
PFO	Pinyon Flats 0	94.46	57	iP	P	08 49 52.7+3.7
PFO	Pinyon Flats 0	94.46	57	P	P	08 49 50.1+1.2
BMO	Blue Mountains	94.50	46	eP	P	08 49 48.9+0.1
BMO	Blue Mountains	94.50	46	eP	P	08 49 48.9+0.1
F10A	Beach Ranch, E	94.62	44	eP	P	08 49 49.4 0.0
HEC	Hector,Ludlow	94.64	56	P	P	08 49 51.1+1.4
SHOC	Shoshone, Teco	94.75	55	P	P	08 49 51.2+1.1
NEW	Newport	94.81	42	eP	P	08 49 50.2+0.1
NEW	Newport	94.81	42	eP	P	08 49 50.2+0.1
NEW	Newport	94.81	42	eP	P	08 49 50.6+0.5
TPNV	Topopah Spring	94.84	53	eP	P	08 49 51.6+0.9
TPNV	Topopah Spring	94.84	53	eP	P	08 49 51.6+0.9
TPNV	Topopah Spring	94.84	53	eP	P	08 49 51.6+0.9
BELC	Belle Mtn. Jos	94.87	56	P	P	08 49 52.3+1.4
SWSC	Sam W. Stewart	94.97	57	P	P	08 49 54.5+3.4
TUQ	Turquoise Moun	95.01	55	P	P	08 49 52.7+1.3
GMRC	Granite Mounta	95.19	56	P	P	08 49 53.6+1.3
BC3	Big Chockawall	95.30	57	P	P	08 49 54.6+1.8
AB31	Abukal array	95.43	319	P	P	08 49 49.5 -3.4
AB31	comp-Z, 6.0nm, 0.8s			pmax	pmax	
R11A	Troy Canyon, C	95.44	52	eP	P	08 49 54.6+1.1
R11A	Troy Canyon, C	95.44	52	eP	P	08 49 54.3+0.9
IRM	Iron Mountain	95.58	56	P	P	08 49 55.7+1.7
LDFC	Landfill	95.66	55	eP	P	08 49 55.6+1.1
SHRP	Sheep Range	95.69	54	eP	P	08 49 56.2+1.7
Y12C	Blythe	96.08	57	eP	P	08 49 57.6+1.4
Y12C	Blythe	96.08	57	eP	P	08 49 57.8+1.6
PDMC1	Parker Dam,Lak	96.42	56	P	P	08 50 00.2+2.4
ARU	Arti	96.43	326c	iP	P	08 49 56.2 -1.0
ARU	comp-Z, 12nm, 1.0s			pmax	pmax	
HLID	Hailey	96.52	47	eP	P	08 49 58.7+0.5
HLID	Hailey	96.52	47	eP	P	08 49 58.6+0.4
YKA	Yellowknife Ar	96.58	26	P	P	08 49 56.6 -1.0
YKA	comp-Z, 2.7nm, 0.7s, baz=267, slow=4.7, SNR=5.0			LR	LR	09 27 40.5
M50	Missoula	96.92	44	eP	P	08 50 01.4+1.5
M50	Missoula	96.92	44	eP	P	08 50 01.0+1.1
WALA	Waterloo Lakes	96.96	41	eP	P	08 50 00.9+0.8
MCMT	McKenzie Canyo	97.67	46	eP	P	08 50 04.1+0.6
DLMT	Dillon	97.84	45	eP	P	08 50 04.7+0.5
BOZ	Bozeman (W)	98.52	45	eP	P	08 50 07.9+0.7
BOZ	Bozeman (W)	98.52	45	eP	P	08 50 07.9+0.7
BOZ	Bozeman (W)	98.52	45	eP	P	08 50 07.4+0.2
HWUT	Hardware Ranch	98.60	49	eP	P	08 50 08.0+0.3
QLMT	Earthquake Lak	98.67	46	eP	P	08 50 09.2+1.3
WUJZ	Wupatki	98.73	55	eP	P	08 50 09.2+0.5
WUJZ	Wupatki	98.73	55	eP	P	08 50 19.9 -2.0
AHID	Auburn Hatcher	98.94	48	eP	P	08 50 09.7+0.5
FXWY	Fox Creek	98.98	47	eP	P	08 50 09.8+0.4
TPAW	Teton Pass	99.04	47	eP	P	08 50 10.5+0.8
IMW	Indian Meadow	99.04	47	eP	P	08 50 10.6+0.8
REDW	Red Top Meadow	99.11	47	eP	P	08 50 09.8+0.2
MOOW	Moose Ponds	99.18	47	eP	P	08 50 10.9+0.6
FLWY	Flagg Ranch	99.21	46	eP	P	08 50 11.5+1.1
FLWY	Flagg Ranch	99.21	46	eP	P	08 50 23.2 -0.7
LOHW	Long Hollow	99.29	47	eP	P	08 50 13.1+0.6
H17A	Grant Village	99.29	47	eP	P	08 50 12.9+2.1
H17A	Grant Village	99.29	46	eP	P	08 50 13.1+2.4
LKWY	Lake	99.41	46	eP	P	08 50 12.3+1.0
LKWY	Lake	99.41	46	eP	P	08 50 12.3+1.0
EGMT	Eagleton	99.74	42	eP	P	08 50 12.8+0.4
EGMT	Eagleton	99.74	42	eP	P	08 50 12.8+0.4
BW06	Boulder Array	100.07	48	P	P	08 50 14.1 -0.2
PD31	Pinedale Array	100.07	48	eP	P	08 50 14.2 0.0
PDAR	Pinedale Array	100.07	48	eP	P	08 50 13.6 -0.7
PDAR	comp-Z, 3.3nm, 0.9s, baz=200, slow=2.7, SNR=50			PP	PP	08 54 14.6 -5.5
RLMT	Red Lodge	100.20	43	eP	P	08 50 15.9+1.2
PV19	Morning Glory	100.60	52	eP	P	08 50 18.0+1.2
PV16	Nyswonger Mesa	100.68	52	eP	P	08 50 18.1+1.0
PV22	Blue Mesa, Par	100.78	52	eP	P	08 50 18.4+1.0
MVCO	Mesa Verde	101.04	53	eP	P	08 50 20.3+1.6
O20A	White River Ci	101.15	50	eP	P	08 50 19.4+0.3
O20A	White River Ci	101.15	50	eP	P	08 50 19.6+0.5
LAO	LASA Array	102.22	44	P	P	08 50 24.6+1.1
K22A	Casper	102.31	48	P	P	08 50 24.1 -0.1
S22A	4UR Ranch, Cre	102.35	53	P	P	08 50 26.3+1.7
VNA3	Neumayer Olymp	102.35	186	P	P	08 50 28.9+9.4
VNA2	Neumayer-Watz	102.40	187	P	P	08 50 32.2+4.4
N23A	Red Feather Lak	102.86	49	P	P	08 50 27.9+1.1
ISCO	Idaho Springs	103.19	51	P	P	08 50 29.3+1.0
SDCO	Great Sand Dun	103.40	53	P	P	08 50 30.7+1.4
RSSO	Black Hills	104.00	46	P	P	08 50 31.6 -0.1
TXAR	Lajitas Array	105.34	61	P	P	09 06 34.8+0.2
ARCES	ARCES Array B	107.33	343	P	P	08 54 52.9 -1.2
FINES	FINES Array B	111.36	335	P	P	08 55 01.0 -0.8
U40A	Yellville	113.60	53	P	P	08 55 06.3 -0.6
W41B	Gary Mavity, V	114.31	54	P	P	08 55 07.9 -0.4
Q41A	Truxton	114.32	50	P	P	08 55 07.9 -0.3
U41A	Viola	114.34	53	P	P	08 55 07.8 -0.5
R44A	Rosebud	114.36	50	P	P	08 55 07.8 -0.5
AKAS	Malin Array Be	114.57	324	P	P	08 55 07.6 -0.7
KIEV	Kiev	114.58	324	P	P	08 55 07.6 -0.7
V42A	Cord	114.87	53	P	P	08 55 09.9 -0.4
BRTR	Keskin Array B	115.11	311	P	P	08 55 09.1 -0.8
BRTR	comp-Z, 2.9nm, 0.9s, baz=126, slow=1.7, SNR=12			PP	PP	08 56 09.1 -0.9
SUW	Suwaki	116.42	329	P	P	08 55 11.9+0.2
SUW	Suwaki	116.42	329	P	P	08 55 11.9+0.2
NB2	NORSAR Subarra	117.32	340	P	P	08 55 11.8 -1.6
NB2	comp-Z, 4.5nm, 0.9s, baz=343, SNR=4.9			PKP	PKP	
NB2	NORSAR Subarra	117.32	340	P	P	08 55 11.8 -1.6
NOA	NORSAR Array B	117.32	340	P	P	08 55 11.7 -1.7
T46A	Princeton	117.37	47	P	P	08 55 13.7 -0.4
146A	Union	117.40	56	P	P	08 55 14.6+0.3
V46A	Holladay	117.47	52	P	P	08 55 13.6 -0.7
474A	Sharon Grove	117.97	51	P	P	08 55 14.8 -0.5
X47A	Russelville	117.98	54	P	P	08 55 14.7 -0.7
W47A	Westpoint	118.02	53	P	P	08 55 14.7 -0.8
R47A	Wooley Knot Far	118.06	49	P	P	08 55 14.8 -0.6

WCI	Wyandotte Cave	118.25	49	P	P	08 55 15.4 -0.4
B08A	Boshof	118.40	233	P	P	08 55 17.8+1.2
B08A	comp-Z, 2.5nm, 0.8s, baz=135, slow=4.0, SNR=3.5			PKP	PKP	
LBSA	N Adams	118.46	45	P	P	08 55 15.8 -0.3
Q48A	North Vernon	118.47	49	P	P	08 55 15.9 -0.3
Q48A	Farmland	118.49	47	P	P	08 55 15.7 -0.5
V48A	Smith Brothers	118.51	52	P	P	08 55 15.8 -0.5
U48A	Casie Pea, Po	118.53	51	P	P	08 55 16.0 -0.3
U48A	Wiedeman Farm,	118.59	50	P	P	08 55 15.9 -0.6
N49A	Columbus Grove	118.98	46	P	P	08 55 16.7 -0.4
LRAL	Lakeview Retre	119.01	55	P	P	08 55 16.7 -0.7
P49A	Miami Univ. Ec	119.04	48	P	P	08 55 16.7 -0.6
W49A	Belvidere	119.10	53	P	P	08 55 16.7 -0.8
Q49A	Covington	119.11	47	P	P	08 55 17.0 -0.4
U49A	Red Boiling Sp	119.12	51	P	P	08 55 16.9 -0.6
S49A	Springfield	119.14	50	P	P	08 55 16.9 -0.6
Z49A	Camden	119.14	56	P	P	08 55 18.1+0.4
T49A	Edmonton	119.14	50	P	P	08 55 17.0 -0.6
X49A	Woodville	119.21	53	P	P	08 55 17.1 -0.7
349A	Repton	119.22	57	P	P	08 55 18.5+0.6
V49A	McMinnville	119.22	52	P	P	08 55 17.2 -0.5
149A	Jones	119.28	56	P	P	08 55 17.3 -0.7
Z49A	Columbiana	119.36	55	P	P	08 55 17.5 -0.5
O50A	Cable	119.64	47	P	P	08 55 18.2 -0.3
T50A	Nancy	119.70	50	P	P	08 55 18.2 -0.5
R50A	Par	119.71	49	P	P	08 55 18.1 -0.5
PLCA	Paso Flores	119.72	144	P	P	08 55 19.1+0.4
PLCA	comp-Z, 3.2nm, 0.8s, baz=266, slow=3.2, SNR=7.9			PKP	PKP	09 05 28.7 -1.5
X50B	Fort Payne	119.76	53	P	P	08 55 18.0 -0.8
GKP	Gorka Kiasztor	119.81	30	P	P	08 55 22.9+4.7
GKP	Gorka Kiasztor	119.81	30	P	P	08 55 23.0+4.7
W50A	Signal Mountai	119.84	52	P	P	08 55 18.3 -0.6
S50A	Richmond	119.84	50	P	P	08 55 18.4 -0.5
U50A	Jamesstown	119.87	51	P	P	08 55 18.4 -0.6
V50A	Pikeville	119.88	52	P	P	08 55 18.5 -0.5
ACSO	Alum Creek Sta	120.07	46	P	P	08 55 18.8 -0.5
OJC	Ojcow	120.15	327	P	P	08 55 18.6 -0.5
OJC	Ojcow	120.15	327	P	P	08 55 18.6 -0.5
Q51A	Peebles	120.21	48	P	P	08 55 19.0 -0.6
N51A	Ashland	120.27	45	P	P	08 55 19.7+0.1
P51A	Williamsport	120.27	47	P	P	08 55 19.1 -0.6
NIE	Hedzica	120.28	326	P	P	08 55 19.7+0.3
NIE	Niedzica	120.28	326	P	P	08 55 19.7+0.3
Y51A	Rockmart	120.37	54	P	P	08 55 19.4 -0.6
TS1A	Gray	120.40	50	P	P	08 55 19.6 -0.4
SS1A	Beattyville	120.46	49	P	P	08 55 19.7 -0.4
151A	Opelika	120.50	55	P	P	08 55 19.6 -0.6
251A	Midway	120.53	56	P	P	08 55 19.9 -0.5
KECS	Keecovo	120.65	325	P	P	08 55 18.9 -1.2
KECS	Keecovo	120.65	325	P	P	08 55 18.9 -1.2
LANS	Liptovska Anna	120.89	326	P	P	08 55 21.6+1.0
LANS	Liptovska Anna	120.89	326	P	P	08 55 21.6+1.0
P52A	Corning	120.89	47	P	P	08 55 20.4 -0.4
W52A	Murphy	120.96	52	P	P	08 55 21.3+0.1
152A	Waverly Hall	120.96	55	P	P	08 55 21.4+0.2
V52A	Sevierville	121.00	51	P	P	08 55 21.5+0.4
Q52A	Bidwell	121.02	47	P	P	08 55 20.7 -0.4
Z52A	Williamson	121.08	55	P	P	08 55 20.9 -0.5
252A	Lumpkin	121.11	56	P	P	08 55 21.7+0.2
E52A	Dahlonega	121.12	53	P	P	08 55 21.6+0.2
X53A	Dumoine, Ponti	121.14	38	P	P	08 55 21.2+0.1
Y52A	Liburn	121.19	54	P	P	08 55 21.8+0.2
P53A	Corning	121.48	47	P	P	08 55 22.0+0.1
W53A	Cullowhee	121.53	52	P	P	08 55 22.4 0.0
Y53A	Monroe	121.57	54	P	P	08 55 22.0 -0.3
VY5H	Vyhne	121.59	325	P	P	08 55 21.1 -0.8
VY5H	Vyhne	121.59	325	P	P	08 55 21.1 -0.8
MORC	Moravsky Berou	121.62	327	P	P	08 55 21.7 -0.3
USA3	Fall Branch	121.63	50	P	P	08 55 22.2 -0.2
V53A	Saluda	121.66	51	P	P	08 55 22.2 -0.3
KSP	Ksiaz	121.68	329	P	P	08 55 22.2+0.2
KSP	Ksiaz	121.				

Table with columns: ID, Name, Az, El, SNR, Az, El, SNR, Az, El, SNR, Az, El, SNR. Rows include stations like Smith Brothers, Cullojee, Cord, Nunnelly, Mountainview, McMillinville, Pikeville, Witts Springs, Witts Springs, Pettigrew, Waverly, TKL Tuckaleechee C, TKL Tuckaleechee C, V51A Loudon, V51A Loudon, KM5C Kings Mountain, KM5C Kings Mountain, WMOK Wichita Mounta, WMOK Wichita Mounta, U45A Rockin P Farm, U46A Springville, U43A Recto, U42A Revenden, V53A Saluda, V53A Saluda, V52A Sevierville, V52A Sevierville, U41A Viola, U47A Clarksville, U40A Yellville, TUL1 Leonard, TUL1 Leonard, U48A Cassie Pea, Po, U39A Green Forest, MNTX Cornudas Mount, U49A Red Boiling Sp, U50A Jamestown, PBMO Poplar Bluff, U51A La Follette, U52A Thorn Hill, T47A Sharon Grove, T47A Sharon Grove, T46A Princeton, T42A Van Buren, T42A Van Buren, T43A Greenville, TZTN Tazewell, U53A Fall Branch, T41A Mountain View, M51A Muleshoe, M51A Muleshoe, T48A Bowling Green, T39A Clever, T39A Mansfield, T49A Edmonton, T49A Edmonton, T58A Diamond, T58A Diamond, AMTX Gray, AMTX Amarillo, AMTX Amarillo, S43A Fulton Ridge, S41A Jilco Farms, S45A Carrier Mills, S44A Carbonade, SIUC Southern Illin, S46A Don Dixon Farm, S42A Caledonia, S48A Wiedeman Farm, S39A Bolivar, S39A Bolivar, S39A Stockton, S49A Springfield, CCM Cathedral Cave, CCM Cathedral Cave, S51A Beattyville, R44A Watonsville, R46A Gibon Southern, R43A Red Bud, S52A Salyersville, R45A Skylar, Fairir, R42A Lueberging, R41A Rosebud, WCI Wyandotte Cave.

Table with columns: ID, Name, Az, El, SNR, Az, El, SNR, Az, El, SNR, Az, El, SNR. Rows include stations like Wyandotte Cave, R47A Wooly Knot Far, R49A Shellville, OLIL Olney, Q44A Meyer Farm, Q41A Truxton, Q47A Bedord North L, Q48A North Vernon, Q38A Cooks Store, Q49A Alumsville, Q51A Peebles, Q51A Peebles, P42A Winchester, P42A Winchester, P47A Martinsville, KSU1 Kansas State U, KSU1 Kansas State U, Q45A Potomac, Q47A Sheridan, TUC Tucson, P53A Adamsville, HDIL Hopedale, HDIL Hopedale, T25A Trinidad, T25A Trinidad, O50A Cable, N41A Harden Midland, N41A Harden Midland, ACSO Alum Creek Sta, O52A Adamsville, N39A Derby Farms, N39A Derby Farms, M40A Post Highland, KSCO Kaye Shedlock, S5DM Soldier's Deli, M50A Fremont, M50A Fremont, L42A Oliver, L41A Preston, N54A Moraine State, N54E Belgrade, BGNE Belgrade, K41A Shullsburg, JFWS Jewell Farm, JFWS Jewell Farm, K37A Belmond, J42A Columbus, N59A State Game Lan, J41A Loganville, J39A Decorah, ODNJ Ogdensburg, I42A Draeger Farm, I42A Draeger Farm, I39A Houston, I41A Arkdale, I41A Arkdale, PTGA Pitinga, ECSD EROS Data Cent, BINY Binghamton, H41A Junction City, H40A Chili, H39A Augusta, G41A Antigo, G38A Ridgeland, G42A Mountain, G40A Rib Lake, G39A Holcomb, SPMN Marine on St., SPMN Marine on St., F41A Three Lakes, F41A Three Lakes, SAML Samuel, F40A Park Falls, SADO Sadowa, SADO Sadowa, F39A Lone, F38A Pierce - Schro, COWI Conover, E39A Mellen, E40A Wakefield, E38A The Farm, Brul, RCWM Renegade Canyo, PDAR Pinedale Army, PDAR Pinedale Army.

Table with columns: ID, Name, Az, El, SNR, Az, El, SNR, Az, El, SNR, Az, El, SNR. Rows include stations like Flat Rock, EYMN Ely, EYMN Ely, REDW Red Top Meadow, TPWA Teton Pass, AGMN Agassiz Nation, AGMN Agassiz Nation, MNDN Maddock, NVAR Mina Array Bea, KVN Kaiserville, RLMT Red Lodge, DGMT Dagmar, DGMT Dagmar, MCMT McKenzie Canyo, BOZ Bozeman (W), ULM Lac du Bonnet, LGMT Caledonia Moun, EYMN Eagleton, SIV San Ignacio, HDW Hoopsport, YKA Yellowstone Ar, ILAR Eielson Array, HHC Hu-ho-hao-te, WHQ Urumqi, AS2 Nanchang, LZH Lanzhou, WRA Warramunga Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr.

SJA 07 09:18:03.7, 2.0, 3.25:51.7x71.47W, h10km, 5km, ML3.8, MW3.3
IDC 07 09:18:15.5, 2.9, 26:33Sx70:34W, h0km, mb3.8/1, mb1 3.6/3, mb1mx3.4/25, mb1mp3.5/3, ML3.5/2, Error ellipse: s-maj=100.7km s-min=53.7km az=102.0
GUC 07 09:18:19.8, 0.5, 26:42Sx70:94W, h45km, 14km, ML3.5
ISCJ 07 09:18:21.6, 0.7, 26:39Sx70:03W, 0.09, h34km, mb3.6/1, Error ellipse: s-maj=11.4km s-min=4.1km az=178.4
ISC 07 09:18:23.2, 1.3, 26:40Sx70:12W, 0.09, h34km, n27, az=27/31, Off coast of northern Chile

Table with columns: Code, Station Name, Az, El, SNR, Az, El, SNR, Az, El, SNR, Az, El, SNR. Rows include stations like CDCH Caldera, CDCH Caldera, CDCH Caldera, CPCH Copiapo, CPCH Copiapo, GO03 Copiap, GO03 Copiap, PB10 IPOC Station P, PB10 IPOC Station P, VCA Vinchina, VCA Vinchina, VCA Vinchina, PB05 IPOC Station P, PB05 IPOC Station P, GO04 Tololo Observa, GO04 Tololo Observa, AGUA GUANDACOL, AGUA GUANDACOL, PB06 IPOC Station P, PB06 IPOC Station P, AROD Rodeo, AROD Rodeo, ACCV Cuesta del Vie, ACCV Cerro Coronel, FSA Cafayete, FSA Cafayete, FSA Choya, FSA Choya, RTLL Cerro Villucun, RTLL Cerro Villucun, RTLL Leontico, RTLL Leontico, RUTP Cerro Valdivia, RUTP Cerro Valdivia, ASAL Salagasta, ASAL Salagasta, MRA San Martin, MRA San Martin, LPAZ La Paz, LPAZ La Paz, SIV San Ignacio, SIV San Ignacio, TORD Torodi Ar. Bea, TORD Torodi Ar. Bea, H11S2 WAKE ISLAND Hy126.35 274 T, H11S2 WAKE ISLAND Hy126.35 274 T, H11S1 WAKE ISLAND Hy126.35 274 T, H11S1 WAKE ISLAND Hy126.35 274 T, MKAR Makanchi Arry 150.73 39 PKPbc PKPbc

Table with columns: Code, Station Name, Az, El, SNR, Az, El, SNR, Az, El, SNR, Az, El, SNR. Rows include stations like SKR Severo-Kuril's, SKR Severo-Kuril's, PAU Pauzhetka, PAU Pauzhetka, PAU Pauzhetka, KDTR Khodutka, Kamc, KDTR Khodutka, Kamc, ASAK Asacha, ASAK Asacha, RUS Ruskaya, RUS Ruskaya, PLS Mutnovka, PLS Mutnovka, MTRV Mutnovka, MTRV Mutnovka, KRMR Karymskiy, KRMR Karymskiy, DALK Dalny, DALK Dalny, AVH Avtya, AVH Avtya, KOK Koryaka, KOK Koryaka, KOK Koryakskii, KOK Koryakskii, SPN Mys Shpanskiy, SPN Mys Shpanskiy, GNL Ganaly, GNL Ganaly, MKZ Mys Kozlova, MKZ Mys Kozlova, KBTR Krotobogovo, KBTR Krotobogovo.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ANDN Andirin, SAIM ADANA, KZT Kozan, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like APYP Conner, ABRA Dolores, ABRA Callao Caves, etc.

NIED 07 11:00:28.52, 0.37'65N, 36'29E, h5km, ML2.4/4 DDA 07 09:28:54.3, 37'69N, 36'37E, h7km, ML2.7

ISCBJ 07 09:38:15.4, 1.1, 5.35'0.2x151'6E:0.3, h57km, mb3.8/7, Error ellipse: s-maj=46.2km s-min=10.3km az=39.6

s-min=42.0km s-min=19.5km az=66.0 MAN 07 10:07:27.9, 18'35N, 120'82E, h6km, mb4.7, ML3.6, MS3.5

ISCBJ 07 11:00:54.6, 0.6, 36'76N:0.03:140'64E:0.05, h13km, mb3.4, mb3.4/7, Error ellipse: s-maj=7.7km s-min=4.4km az=20.9

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KSRK Korea Array, CMAR Chiang Mai Arr, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JHO Hitachi, JFFD Fukushimafurud, JFFD Iwakimizuishi, etc.

ISCBJ 07 09:52:35.6, 0.6, 42'69N:0.03:75'69E:0.04, h0km, Error ellipse: s-maj=5.1km s-min=4.8km az=161.9

NIED 07 10:11:00:38'50N, 142'20E, h59km, Mw3.6 Best double comp=2.43000x1014 NP1=354.00000, 337.00000, 3.32.00000

ISCBJ 07 11:00:55.2, 0.3, 37'29S:0.03:135'16E:0.03, h25km, mb4.3/11, MS3.8/1, Error ellipse: s-maj=5.0km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TKM2 Tokmak 2, ULHL Ulahol, KBK Karagaybulak, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JIO Ouri, OFJU Ofunato, JMK Ichinoseki, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CHMS Chumysh, AAK Ala-Archa, AAK Ala-Archa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JOK Okura, JOM Marumori, JMM Kaneyama, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BOSA Beshof, ASAR Ala-Archa, WRA Warramunga Arr, etc.

ISCBJ 07 10:05:58.2, 2.2, 10'63S:113'93E, h0km, mb3.8/8, mb1.3/9, mb1mx3.7/33, mbtmp3.8/9, ML3.1/1, Error ellipse: s-maj=80.5km s-min=18.7km az=48.0

MEX 07 10:12:52.8, 0.8, 16'56N:100'30W, h1km, 7km, MD3.7, Near east coast of Guerrero

ISCBJ 07 11:08:52.5, 0.3, 3'29S:0.03:135'16E:0.03, h25km, mb4.3/11, MS3.8/1, Error ellipse: s-maj=5.0km

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SRPI Serui, Papua, RKPI Ransiki, Papua, FAKI Fak Fak, etc.

ISCBJ 07 10:06:02.9, 1.8, 10'65S:114'0E:0.4, h33km, mb3.8/8, Error ellipse: s-maj=69.1km s-min=12.7km az=139.2

ISCBJ 07 10:14:08.4, 1.9, 6'59S:128'76E, h0km, mb3.6/1, mb1.3/7, mb1mx3.5/29, mbtmp3.8/4, ML3.7/3, Error ellipse: s-maj=68.8km s-min=29.3km az=80.0, Banda Sea

ISCBJ 07 11:08:53.8, 0.6, 3'38S:0.05:135'16E:0.04, h25km, n37, az=32/44, mb4.5/11, Irian Jaya region

ISCBJ 07 10:07:24.4, 1.1, 18'11N:121'05E, h0km, mb3.6/6, mb1.3/8, mb1mx3.6/36, mbtmp3.6/6, Error ellipse:

NNC 07 10:35:00.9, 2.0, 37'15N:70'58E, h0km, mb3.5, mpv3.1, 4C-2D, Error ellipse: s-maj=14.9km s-min=13.2km az=176.0, Afghanistan-Tajikistan border region

ISCBJ 07 11:08:50.8, 1.1, 3'12S:135'08E, h0km, mb3.9/4, mb1.4/2, mb1mx3.9/31, mbtmp4.2/8, ML4.1/4, MS2.9/1, Ms1.2/9, ms1mx2.3/38, Error ellipse: s-maj=27.5km s-min=21.5km az=57.0

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

ISCJB 07 11:10:50.0,5,35.39N,0.05:4.20W,0.03,h11km,6km, Error ellipse: s-maj=7.8km s-min=4.1km az=0.7 CNRM 07 11:10:50.4,35.34N:4.05W,h10km,ML3.0 INMG 07 11:10:51.3,3.35,20N,4.18W,h10km,ML2.5,Error ellipse: s-maj=7.2km s-min=4.2km az=16.0

IGIL 07 11:10:52.9,35.24N:4.06W,h36km, Error ellipse: s-maj=7.2km s-min=4.2km az=16.0 MDD 07 11:10:53.0,9.35,22N:4.07W,h36km,1km,mbLg2,2/23, Error ellipse: s-maj=11.2km s-min=4.5km az=10.0, PRXIMO

ISC 07 11:10:50.9,0.9,35.27N,0.09:4.15W,0.03,h17km,9km, n74,c121/103, Strait of Gibraltar

Main table of station data for the left column, including stations like PVLZ, PVLZ, EMAL, EMAL, MELI, MELI, etc.

Main table of station data for the middle column, including stations like MORF, MORF, MORF, PFVI, PFVI, etc.

IDC 07 11:20:08.3,0.7,3.42S:131.31E,h0km,mb3.8/9, mb1 4.1/11,mb1mx3.9/33,mbtmp4.0/11,ML4.1/2,MS2.8/1, Ms1 2.8/1,ms1mx2.3/42, Error ellipse: s-maj=32.4km s-min=14.6km az=76.0

ISCJB 07 11:20:11.4,0.5,3.49S:0.04:131.25E,0.06,h30km, mb3.8/9, Error ellipse: s-maj=6.8km s-min=5.6km az=23.1 DJA 07 11:20:13.0,0.3,3.3S:131.13E,h10km,ML4.1E,MLv4.1/6 ISC 07 11:20:12.7,0.6,3.51S:0.06:131.27E,0.06,h30km,n22,c193/26,mb3.8/8,Irian Jaya region

Main table of station data for the middle column, including stations like FAKI, FAKI, BNDI, BNDI, etc.

Main table of station data for the right column, including stations like BUJ 07 11:34:09.4,7.76S:125.24E,h383km,mb4.5/44,MB4.5/26, ISCJB 07 11:34:13.4,0.2,7.50S:0.03:124.94E,0.03,h393km,2km, mb4.4/76, Error ellipse: s-maj=5.1km s-min=3.9km az=146.0

7d 11h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BRTR, BRTR, BRTR, etc.

2012 OCT

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MOS, ISR, ISR, ISR, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like VLY, KNT, BVA0, etc.

ITM	comp=Z,89nm,0.6s	20.89 279	P	P	11 47 27.4	-1.1
AMT	Artemida-Makis	20.95 260	P	Pn	11 47 31.4	-0.6
PRGR	Permogore	20.98 356	iP	S	11 47 28.3	-0.9
PRGR			eS	S	11 51 14.8	-5.7
PRGR			eS	S	11 51 14.8	-5.7
RLS	comp=Z,2um,0.8s	20.98 271	P	P	11 47 30.1	+0.6
PDO	Riolos of Patr	21.06 273	P	P	11 47 30.2	+0.1
KSH	Prodomros	21.06 84	P	P	11 47 28.9	-1.7
KSH	Kashi		pP	pP	11 47 38.0	-2.6
KSH			PP	PnPn	11 47 51.8	+1.5
KSH			S	S	11 51 14.8	-8.0
KSH	comp=Z,310nm,0.6s			pmax		
KSH	comp=Z,940nm,7.2s			LR	LR	
KSH	comp=Z,980nm,7.2s			LR	LR	
JAN	comp=Z,1um,6.8s	21.07 276	P	P	11 47 31.1	+0.6
PYL	Janina	21.12 268	P	P	11 47 28.9	-2.1
DIVS	Pylos	21.21 289	eP	P	11 47 32.2	+0.2
DIVS	Divibare	21.21 289	iP	P	11 47 32.1	0.0
KECS	Divibare	21.26 301	eP	P	11 47 31.3	-1.1
KECS	Kecevo		e	pmax	11 47 36.3	
KECS	comp=Z,126nm,1.0s	21.26 301	eP	pmax	11 47 31.3	-1.1
KECS	Kecevo	21.27 74	eP	P	11 47 33.2	+0.5
AAA	Alma-Ata	21.27 74	eP	P	11 47 33.2	+0.5
PVV	comp=Z,46nm,0.9s	21.31 284	iP	P	11 47 34.0	+0.8
IVY	Play	21.34 285	iP	P	11 47 33.9	+0.5
FRGS	Berane	21.35 291	iP	P	11 47 33.6	+0.1
MDOK	FRGS Gora	21.37 74	iP	P	11 47 34.1	+0.3
MDOK	Medeo		eS	S	11 51 29.0	+0.1
LKD2	Lefkada island	21.41 274	P	P	11 47 32.9	-1.2
EVGI	Lefkada island	21.45 273	P	P	11 47 34.0	-0.5
IWT	Igoumenitsa	21.48 276	eP	P	11 47 34.8	-0.1
SUW	Suwalki	21.49 317	eP	P	11 47 33.3	-1.5
SUW	Suwalki	21.49 317	eP	P	11 47 33.3	-1.5
TEKS	Tekeris	21.54 290	eP	P	11 47 35.4	+0.9
PSZ	Piszkesteto	21.55 299	eP	P	11 47 35.4	-0.2
PSZ	comp=Z,126nm,1.1s	21.55 299	iP	P	11 47 36.3	+0.7
PSZ	Piszkesteto	21.55 299	iP	P	11 47 35.9	+0.3
PSZ	Piszkesteto	21.55 299	iP	P	11 47 36.3	+0.7
FSK	Fiskardo	21.56 273	P	P	11 47 34.1	-1.6
NIE	Niedzica	21.57 303	eP	P	11 47 36.3	+0.5
NIE	Niedzica	21.57 303	eP	P	11 47 36.3	+0.5
KOME	Kolasin	21.62 285	iP	P	11 47 37.1	+0.7
VLS	Valsamata	21.62 272	P	P	11 47 35.0	-1.3
BBLs	Lazi#263i	21.64 288	iP	P	11 47 36.5	-0.1
PLE	Pljevlja	21.68 286	iP	P	11 47 37.4	+0.3
PDG	Podgorica	21.84 284	iP	P	11 47 36.4	+2.7
PDG	Podgorica	21.84 284	iP	P	11 47 40.6	+1.9
TTG	Podgorica	21.84 284	iP	P	11 47 39.5	+0.8
TTG	Podgorica	21.84 284	eP	P	11 47 39.8	+1.1
TTG	comp=Z,40nm,0.8s	21.84 284	eP	pmax	11 47 39.8	+1.1
KEK	comp=Z,40nm,0.8s	21.85 277	P	P	11 47 38.1	-0.7
Dracevic	Kerkira	21.90 283	iP	P	11 47 39.2	-0.2
DRM	Ulcinj	21.92 283	iP	P	11 47 39.3	+0.1
DRM	Dracevica, Mon	21.92 283	iP	P	11 47 39.8	+0.8
BEL	Belsk	21.95 310	eP	P	11 47 39.7	0.0
BEL	Belsk	21.95 310	eP	P	11 47 39.7	0.0
HAPS	Han Pjiesak,BI	21.96 289	eP	P	11 47 39.4	-0.7
NKY	Niksic	22.01 285	iP	P	11 47 41.1	+0.6
NKM	Niksic	22.01 285	iP	P	11 47 41.4	+0.6
UPM	Unac-Piva	22.04 286	iP	P	11 47 41.1	+0.1
UPM	Unac-Piva	22.04 286	eP	P	11 47 42.9	+1.9
LANS	Liptovska Anna	22.05 302	eP	P	11 47 42.0	+1.1
LANS	Liptovska Anna	22.05 302	eP	P	11 47 46.7	+1.1
LANS	Ljans	22.07 305	eP	P	11 47 42.0	+1.1
LANS	Ljans	22.07 305	eP	P	11 47 46.7	+1.1
OJC	Ojcow	22.07 305	eP	P	11 47 41.2	+0.1
OJC	Ojcow	22.07 305	eP	P	11 47 41.1	-0.1
OJC	comp=Z,90nm,1.1s	22.07 305	eP	P	11 47 41.2	+0.1
CEME	Ojcow	22.08 284	iP	P	11 47 41.9	+0.6
BUM	Brajici-Budva	22.12 284	iP	P	11 47 41.9	+0.1
PUL	Pulkovo	22.14 335	eP	pmax	11 47 41.9	+0.2
PUL			e	pmax		
MORH	M'ir'igv, Hung	22.22 294	iP	P	11 47 42.6	-0.1
MORH	M'ir'igv, Hung	22.22 294	iP	P	11 47 41.9	-0.8
TDK	Taldygorghan	22.30 69	eP	P	11 47 43.2	-0.5
TDK	comp=Z,124nm,0.6s		eS	S	11 51 45.5	-0.9
TDK	Bratogost	22.33 285	eP	P	11 47 43.3	-0.2
BRY	Bratogost	22.33 285	eP	P	11 47 44.4	+0.3
VYHS	Vyhne	22.34 300	eP	P	11 47 44.3	+0.2
VYHS	comp=Z,17nm,1.1s	22.34 300	eP	pmax	11 47 44.2	+0.2
VYHS	Vyhne	22.34 300	eP	P	11 47 44.2	+0.2
SATY	Saty	22.37 74	eP	P	11 51 48.2	+1.2
SATY	comp=Z,83nm,0.9s		eS	S	11 47 45.0	+0.4
SATY	Saty		eS	S	11 51 48.8	+1.0
SATY			LR	LR	11 53 12.8	
ZHN	Zhinishek	22.38 74	iP	P	11 47 44.8	+0.1
HCV	Herceg Novi	22.40 284	iP	P	11 47 44.9	+0.2
HCV	Herceg Novi	22.40 284	iP	P	11 47 44.0	0.7
PRZ	Przheval'sk	22.42 76	eP	P	11 47 45.9	+0.8
PRZ	Przheval'sk	22.42 76	eP	P	11 47 45.9	+0.8
PRZ	comp=Z,219nm,0.9s	22.42 76	eP	pmax	11 47 45.9	+0.8
VSU	Vasula	22.45 329	eP	Iamb	11 47 44.2	-0.8
VSU	comp=Z,1um,0.8s		Iamb	Iamb	11 47 46.9	
VSU	Vasula	22.45 329	iP	P	11 47 44.0	-1.0
TREB	Trebjine	22.48 285	eP	P	11 47 45.9	+0.3
KPKS	Kokpek	22.55 73	eP	P	11 47 45.5	+0.2
KPKS	comp=Z,58nm,0.8s		eS	S	11 51 51.1	+0.2
KPKS	comp=Z,111nm,9.6s		LR	LR	11 52 57.4	
SRO	Srobarova	22.59 298	eP	P	11 47 48.4	+1.8
SRO	Srobarova	22.59 298	eP	P	11 47 48.4	+1.8
KOLL	Kolacno	22.64 300	eP	P	11 47 45.6	-1.6
KOLL	Kolacno	22.64 300	eP	P	11 47 54.3	
KOLL	Kolacno	22.64 300	eP	pP	11 47 54.3	-3.0
UZB	Uzymbulak	22.81 74	iP	P	11 47 49.0	-0.2
UZB	comp=Z,32nm,1.1s		eS	S	11 51 55.6	0.0
UZB			LR	LR	11 52 43.8	
STON	Ston	22.95 285	iP	P	11 47 49.1	-1.3
OKC	Ostrava-Krasne	23.03 303	eP	P	11 47 52.5	+1.3
OKC	comp=Z,400nm,12.3s	23.03 303	eP	AMS	11 57 50.7	+0.8
OKC	Ostrava-Krasne	23.03 303	eP	AMS	11 57 50.7	+0.8
OKC	comp=Z,400nm,12.3s	23.03 303	eP	AMS	11 57 50.7	+0.8
KURBB	Kurchatov	23.08 55	P	P	11 47 51.9	+0.2
KURBB	comp=Z,197nm,0.9s,baz=263,slow=9.4,SNR=269		PcP	PcP	11 51 39.2	-0.3
KURBB	comp=Z,8.8nm,0.8s,baz=256,slow=2.1,SNR=3.4		S	S	11 51 55.5	-4.2
SHLS	Shalkode	23.17 74	iP	P	11 47 56.0	+3.6
SHLS	comp=Z,83nm,0.7s		LR	LR	11 53 11.0	
SHLS	comp=Z,90nm,11.6s		LR	LR	11 53 11.0	
KURK	Kurchatov	23.16 54	P	P	11 47 51.9	-0.5
KURK	comp=Z,358nm,22.8s		PcP	PcP	11 51 39.2	-0.4
KURK	comp=Z,358nm,22.8s		S	S	11 51 55.5	-5.4
KURK	Kurchatov	23.16 54	P	P	11 47 51.9	-0.5
KURK			S	S	11 51 39.2	

KURK	KURK	comp=Z,197nm,0.9s	S	S	11 51 55.5	-5.4
KURK	comp=Z,197nm,0.9s		S	S	11 51 55.5	-5.4
JAVC	Velka Javorina	23.16 301	eP	P	11 47 54.1	+1.5
JAVC			e	P	11 48 00.6	
BLY	Banja Luka	23.21 290	eP	P	11 47 52.6	-0.5
BLY	comp=N,55nm,0.9s	23.21 290	iP	P	11 47 54.3	+1.2
BLY	Banja Luka	23.21 290	iP	P	11 47 53.7	+0.6
SMOL	Smolencice	23.27 300	eP	P	11 47 54.9	+1.3
SMOL			e	P	11 48 01.5	
SMOL	Smolencice	23.27 300	eP	P	11 47 54.9	+1.3
SMOL			eP	P	11 48 01.5	
MODS	Modra-Piesok	23.35 299	eP	P	11 47 53.3	-1.1
MODS			pmax	pmax		
MODS	comp=Z,79nm,1.2s	23.35 299	eP	P	11 47 53.3	-1.1
MODS	Modra-Piesok	23.35 299	eP	P	11 47 53.3	-1.1
MORC	Moravsky Berou	23.40 303	eS	S	11 52 07.0	+2.8
MORC	comp=Z,44nm,1.0s	23.40 303	eS	S	11 47 54.1	-0.9
MORC	Moravsky Berou	23.40 303	iP	P	11 47 54.1	-0.9
MORC	Moravsky Berou	23.40 303	iP	P	11 47 54.1	-0.9
MORC	Moravsky Berou	23.40 303	iP	P	11 47 54.0	-0.9
MORC			e	P	11 48 01.5	
CGL1	Ceglie Messapi	23.41 280	eP	P	11 47 55.2	+0.1
FASA	Fasano	23.48 280	eP	P	11 47 55.4	-0.3
TARI	Taranto	23.58 280	eP	P	11 47 55.3	-1.4
MASS	Massafra	23.67 280	eP	P	11 47 56.0	-1.5
SOB	Sopron	23.75 296	eP	P	11 47 58.5	+0.3
BHM	Bhairavi	23.78 296	eP	P	11 47 57.5	-1.0
DHRR	DHARAMSHALA	23.88 102	eP	P	11 48 01.1	+1.3
KOGS	Kog	23.89 295	eP	P	11 47 59.5	0.0
VRAC	Vranov	23.93 302	eP	P	11 47 59.7	-0.1
VRAC	comp=Z,5.3nm,0.6s,baz=105,slow=8.8,SNR=9.0		LR	LR	11 59 00.7	
VRAC	comp=Z,555nm,20.3s,baz=88,slow=4.1		LR	LR	11 59 00.7	
VRAC	Vranov	23.93 302	iP	P	11 47 59.8	-0.1
VRAC	Vranov	23.93 302	iP	P	11 48 00.4	+0.5
KRLC	Kraliky	23.94 304	eP	P	11 47 58.5	-1.5
KRLC			e	x	11 48 01.5	
KRLC	Kraliky	23.94 304	eP	P	11 47 58.5	-1.5
SG1	Sgoljore (BA)	23.98 281	eP	P	11 48 07.8	-0.1
KRUC	Kratic	23.99 280	iP	P	11 47 59.4	-1.0
MATE	Matera	24.02 280	iP	P	11 47 59.2	-0.5
MAKZ	Makanchi	24.05 293	eP	P	11 48 02.9	+0.1
SEM	Semipalatinsk	24.10 56	iP	P	11 48 02.9	+1.2
SEM	comp=Z,84nm,0.8s		LR	LR	11 53 21.7	
SEMI	Udubina	24.23 290	P	P	11 48 02.7	-0.1
CONA	Conrad Observa	24.24 298	eP	P	11 48 03.6	+0.8
TIP	Timpagrande	24.26 277	eP	P	11 48 01.9	-1.3
TIP	comp=Z,45nm,1.1s	24.26 277	iP	P	11 48 02.2	-0.9
TIP	Timpagrande	24.26 277	iP	P	11 48 01.9	-1.3
DPG	Dobruska-Polom	24.28 304	eP	P	11 48 03.3	+0.2
DPG			e	x	11 48 11.2	
DPG	Dobruska-Polom	24.28 304	eP	P	11 48 03.3	+0.2
DPG			e	x	11 48 11.2	
KSP	Ksiaz	24.39 305	eP	P	11 48 02.8	-1.3
KSP	Ksiaz	24.39 305	eP	P	11 48 02.8	-1.3
OZLJ	Ozalj	24.42 292	eP	P	11 48 04.5	+0.1
ARSA	Arzberg	24.42 296	eP	P	11 48 04.4	0.0
ARSA	comp=Z,27nm,1.1s,SNR=20		eP	P	11 51 43.0	+0.5
ARSA	comp=Z,6.5nm,0.8s		eP	P	11 51 43.0	+0.5
CRES	Cresnjevi	24.43 293	iP	P	11 48 03.8	-0.7
PERNE	Pernice	24.67 295	iP	P	11 48 06.7	-0.1
PERNE			iP	P	11 48 07.7	+0.6

F46A	Macinaw City C	84.23 329	P	P	11 55 16.9	0.0
LUPA	Lehigh University	84.28 321	eP	P	11 55 18.1	+0.8
D41A	Chassel	84.56 332	P	P	11 55 18.6	0.0
F44A	Big Bay de Noc	84.70 330	P	P	11 55 19.7	+0.4
EYMN	Ely	84.80 334	eP	P	11 55 20.6	+0.8
EYMN	Gly	84.80 334	P	LR	11 55 20.0	+0.2
PSUB	Penn St. - Bra	84.83 320	eP	P	11 55 20.8	+0.8
E42A	Champion	84.87 331	P	P	11 55 20.5	+0.4
GLMI	Grayling	84.96 329	eP	P	11 55 22.0	+1.4
GLMI	Grayling	84.96 329	P	LR	11 55 21.3	+0.7
F43A	Flat Rock, Esc	85.10 331	P	P	11 55 22.0	+0.7
SIJ	Sorong	85.12 95	P	P	11 55 21.3	-0.6
MVL	Millersville	85.21 321	eP	P	11 55 23.3	+1.3
E41A	Kenton	85.22 332	P	P	11 55 22.1	+0.2
SSPA	Standing Stone	85.44 322	eP	P	11 55 25.2	+2.1
SSPA	Standing Stone	85.44 322	P	P	11 55 23.5	+0.4
E40A	Wakefield	85.56 333	P	P	11 55 24.3	+0.7
M54A	Oil Creek Stat	85.57 324	eP	P	11 55 25.1	+1.3
M54A	Oil Creek Stat	85.57 324	P	P	11 55 25.6	+1.8
COWI	Conover	85.59 332	eP	P	11 55 24.4	+0.6
BATI	Baumata	85.63 107	P	P	11 55 23.7	-0.7
G43A	Wallace	85.78 331	eP	P	11 55 25.9	+1.3
G43A	Wallace	85.78 331	P	P	11 55 25.6	+1.0
E39A	Mellen	85.85 333	P	P	11 55 25.3	+0.2
AGMN	Agassiz Nation	85.86 337	eP	P	11 55 25.3	+0.2
AGMN	Agassiz Nation	85.86 337	P	LR	11 55 25.2	+0.2
F41A	Three Lakes	85.89 332	eP	P	11 55 26.2	+1.0
F41A	Three Lakes	85.89 332	P	P	11 55 25.8	+0.5
E38A	The Farm, Brul	85.99 334	eP	P	11 55 26.0	+0.2
E38A	The Farm, Brul	85.99 334	P	P	11 55 26.0	+0.2
GUMO	Guam	86.04 76	LR	LR	12 37 23.7	
O56A	Blue Knob Stat	86.05 322	P	P	11 55 27.5	+1.3
G42A	Mountain	86.07 331	eP	P	11 55 27.1	+0.9
G42A	Mountain	86.07 331	P	P	11 55 26.7	+0.5
F40A	Park Falls	86.09 332	P	P	11 55 26.5	+0.3
J47A	Summer	86.36 328	P	P	11 55 28.5	+0.9
G41A	Antigo	86.37 331	P	P	11 55 27.8	+0.2
F39A	Loretta	86.38 333	P	P	11 55 27.7	0.0
K48A	Perry	86.44 327	P	P	11 55 29.2	+1.2
AAM	Ann Arbor	86.66 327	PFAKE	LR	11 55 40.0	+1.1
F38A	Pierce - Schro	86.67 333	P	P	11 55 30.3	+1.3
G40A	Rib Lake	86.68 332	eP	P	11 55 29.8	+0.6
G40A	Rib Lake	86.68 332	P	P	11 55 29.6	+0.4
H42A	Shiocton	86.73 331	eP	P	11 55 30.3	+0.9
H42A	Shiocton	86.73 331	P	P	11 55 29.5	+0.1
K47A	Fermontville	86.91 328	P	P	11 55 31.2	+0.9
G39A	Holcombe	87.01 333	P	P	11 55 31.4	+0.7
H41A	Junction City	87.05 331	eP	P	11 55 31.5	+0.5
H41A	Junction City	87.05 331	P	P	11 55 31.7	+0.7
CBN	Corbin Frederi	87.11 320	PFAKE	LR	11 55 40.0	+8.7
F37A	Hinrichs Farm,	87.12 334	P	P	11 55 32.3	+1.0
H40A	Chili	87.31 332	P	P	11 55 32.8	+0.5
MDND	Maddock	87.33 339	eP	P	11 55 32.9	+0.6
MDND	Maddock	87.33 339	P	P	11 55 32.7	+0.4
G38A	Ridgeland	87.35 333	P	P	11 55 32.9	+0.5
I41A	Arkdale	87.61 331	P	P	11 55 34.1	+0.4
SPMN	Marine on St.	87.62 334	eP	P	11 55 34.0	+0.3
SPMN	Marine on St.	87.62 334	P	P	11 55 34.3	+0.6
J43A	Natural Harves	87.65 330	P	P	11 55 34.4	+0.5
DGMT	Dagmar	87.91 342	eP	P	11 55 35.8	+0.7
DGMT	Dagmar	87.91 342	P	P	11 55 36.1	+1.0
P53A	Whipple	87.97 324	eP	P	11 55 36.3	+0.9
N49A	Columbus Grove	88.02 326	eP	P	11 55 36.6	+0.9
N49A	Columbus Grove	88.02 326	P	P	11 55 35.8	+0.1
ACSO	Alum Creek Sta	88.07 325	PFAKE	LR	11 55 50.0	+1.4
J41A	Loganville	88.26 331	P	P	11 55 37.2	+0.5
O50A	Cable	88.42 325	P	P	11 55 37.6	0.0
LLL	Lilloet	88.62 354	eP	P	11 55 39.5	+1.1
O49A	Covington	88.69 326	eP	P	11 55 39.1	+0.2
O49A	Covington	88.69 326	P	P	11 55 38.8	-0.1
JFWS	Jewell Farm	88.74 331	eP	P	11 55 39.5	+0.5
JFWS	Jewell Farm	88.74 331	LR	LR	11 55 39.5	+0.5
JFWS	Jewell Farm	88.74 331	eP	pmax	11 55 39.5	+0.5
JFWS	Jewell Farm	88.74 331	P	MLR	11 55 39.5	+0.5
WALA	Waterton Lakes	89.22 348	eP	P	11 55 41.9	+0.6
Q51A	Peebles	89.22 324	eP	P	11 55 41.5	+0.2
Q51A	Peebles	89.22 324	P	P	11 55 41.5	+0.1
L42A	Oliver, Polo	89.31 330	eP	P	11 55 42.6	+0.9
L42A	Oliver, Polo	89.31 330	P	P	11 55 42.7	+0.9
BLA	Blacksburg	89.36 322	PFAKE	LR	11 55 50.0	+7.9
EGMT	Eagleton	89.51 346	eP	P	11 55 43.2	+0.5
EGMT	Eagleton	89.51 346	LR	LR	11 55 43.2	+0.5
EGMT	Eagleton	89.51 346	P	P	11 55 43.2	+0.5
K39A	Oelwein	89.51 332	P	P	11 55 43.1	+0.4
Q50A	Georgetown	89.65 325	P	P	11 55 43.4	0.0
CNCC	Cliffs of the	89.70 319	eP	P	11 55 43.6	-0.1
CNCC	Cliffs of the	89.70 319	LR	LR	11 55 43.6	-0.1
P48A	Milroy	89.76 326	P	P	11 55 43.5	-0.4
L40A	Anamosa	89.83 331	eP	P	11 55 44.2	0.0
L40A	Anamosa	89.83 331	P	P	11 55 43.9	-0.2
Q49A	Aurora	89.92 325	P	P	11 55 44.3	-0.3
R51A	Hillboro	89.92 324	P	P	11 55 44.4	-0.3
LAO	LASA Array	90.05 343	eP	P	11 55 47.1	+1.9
LAO	LASA Array	90.05 343	LR	LR	11 55 46.7	+1.5
LAO	LASA Array	90.05 343	P	P	11 55 46.7	+1.5
ECSO	EROS Data Cent	90.19 335	eP	P	11 55 46.6	+0.8
ECSO	EROS Data Cent	90.19 335	LR	LR	11 55 46.6	+0.8
ECSO	EROS Data Cent	90.19 335	P	P	11 55 46.5	+0.6
S52A	Sylversville	90.21 324	P	P	11 55 46.9	+0.9
R50A	Paris	90.27 325	P	P	11 55 46.5	+0.2
Q48A	North Vernon	90.34 326	P	P	11 55 46.7	+0.1
HDIL	Hopedale	90.41 329	eP	P	11 55 47.4	+0.5
HDIL	Hopedale	90.41 329	LR	LR	11 55 47.3	+0.5
O44A	Mansfield	90.43 328	P	P	11 55 47.6	+0.6
NEW	Newport	90.44 350	eP	P	11 55 48.1	+1.1
NEW	Newport	90.44 350	LR	LR	11 55 48.1	+1.1
NEW	Newport	90.44 350	eP	pmax	11 55 48.1	+1.1
NEW	Newport	90.44 350	P	MLR	11 55 48.0	+1.0
NEW	Newport	90.44 350	P	P	11 55 48.0	+1.0
N42A	Yates City	90.46 330	P	P	11 55 47.7	+0.5
K36A	Gilmore City	90.47 334	P	P	11 55 47.4	+0.3
S51A	Beattyville	90.47 324	eP	P	11 55 47.7	+0.5
S51A	Beattyville	90.47 324	P	P	11 55 47.4	+0.2
JTMT	Jette	90.55 348	eP	P	11 55 48.5	+0.9
A04D	Lumma Island	90.56 354	P	P	11 55 47.4	+0.1
Q47A	Bedord North L	90.62 326	P	P	11 55 47.9	0.0
R49A	Shelbyville	90.63 325	P	P	11 55 48.0	0.0
T52A	Hallie	90.64 323	P	P	11 55 48.2	+0.2
O43A	Sugar Creek Fa	90.65 329	P	P	11 55 49.0	+1.0
B06A	Marblemont	90.66 353	eP	P	11 55 47.5	-0.4
P45A	Graceland, Par	90.67 328	eP	P	11 55 48.7	+0.6
P45A	Graceland, Par	90.67 328	P	P	11 55 48.6	+0.5
SCIA	State Center	90.69 332	PFAKE	LR	11 56 00.0	+1.2
SCIA	State Center	90.69 332	LR	LR	11 56 00.0	+1.2
PGC	Sidney	90.69 355	eP	P	11 55 49.2	+1.2
M39A	Webster	90.69 332	P	P	11 55 48.2	+0.1
S50A	Richmond	90.80 324	P	P	11 55 48.8	+0.1
N41A	Harden Midland	90.87 330	eP	P	11 55 49.1	+0.1
B05A	Bryant	90.97 354	P	P	11 55 49.4	+0.1
C09A	Chrisman Ranch	91.04 351	eP	P	11 55 50.6	+0.9
P44A	Sand Creek, W	91.07 328	P	P	11 55 51.0	+1.0
S49A	Springfield	91.10 325	P	P	11 55 50.1	-0.1
HRY	Holler Researc	91.16 347	eP	P	11 55 51.2	+0.8
WCI	Wyandotte Cave	91.16 326	eP	P	11 55 50.6	+0.1
WCI	Wyandotte Cave	91.16 326	eP	pmax	11 55 50.6	+0.1
WCI	Wyandotte Cave	91.16 326	P	pmax	11 55 50.4	0.0
T51A	Gray	91.19 324	P	P	11 55 51.1	+0.5
R47A	Wooly Knot Far	91.20 326	P	P	11 55 50.6	0.0
P43A	Skaggs, Pawnee	91.28 329	P	P	11 55 51.8	+0.8
N39A	Derby Farms, D	91.33 331	eP	P	11 55 51.5	+0.3
N39A	Derby Farms, D	91.33 331	P	P	11 55 51.9	+0.7
Q45A	Warren Harvey,	91.38 328	P	P	11 55 51.9	+0.6
M50	Missoula	91.39 348	eP	P	11 55 51.9	+0.4
M50	Missoula	91.39 348	P	P	11 55 52.2	+0.7
O41A	Passleys Farm,	91.40 330	P	P	11 55 51.4	-0.1
KM5C	Kings Mountain	91.47 321	eP	P	11 55 52.9	+1.0
KM5C	Kings Mountain	91.47 321	P	P	11 55 53.1	+1.2
OLIL	Olney	91.49 327	eP	P	11 55 52.0	+0.1
S48A	Wiedeman Farm,	91.54 326	P	P	11 55 52.2	0.0
T50A	Nancy	91.54 324	P	P	11 55 52.6	+0.3
GCMT	Greycliff	91.64 345	eP	P	11 55 53.8	+1.1
U51A	La Follette	91.70 323	P	P	11 55 53.8	+0.8
Q44A	Meyer Farm, Va	91.72 328	P	P	11 55 53.6	+0.6
V53A	Saluda	91.74 322	eP	P	11 55 53.7	+0.4
V53A	Saluda	91.74 322	P	P	11 55 54.0	+0.8
D03D	Eldon	91.77 354	P	P	11 55 54.6	+1.6
T49A	Edmonton	91.78 325	eP	P	11 55 53.2	-0.2
T49A	Edmonton	91.78 325	P	P	11 55 53.1	-0.2
LTY	Liberty	91.83 353	eP	P	11 55 53.4	-0.1
D08A	Wollman Farm,	91.85 351				

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like LOHW Long Hollow, S41A Jilco Farms, K22A Casper, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like PV03 Paradox Valley, PV18 Skein Mesa, PV13 Radium Mtn., etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like STKA Stephens Creek, SOMM Songino Array, MKAR Makanchi Array, etc.

NEIC 07 12:02:31.9d.0, 16.63N:95.11W, h2km, MD4.0(MEX), After MEX. MEX 07 12:02:31.9e.1, 16.63N:95.11W, h2km, MD4.0, Oaxaca

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like CMIG Matias Romero, CMIG Matias Romero, CMIG Matias Romero, etc.

IDC 07 12:22:22.7d.0.9, 36.72N:140.58E, h0km, mb3.6/7, mb1 3.8/9, mb1mx3.6/42, mbtmp3.6/9, ML3.2/1, Error ellipse: s-maj=20.2km s-min=13.7km az=170.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Code Station Name, Azimuth, Elevation, Frequency, and other parameters.

IDC 07 12:34:03.8e.1.9, 10.70N:126.96E, h0km, mb3.7/6, mb1 3.8/6, mb1mx3.5/32, mbtmp3.7/6, Error ellipse: s-maj=193.2km s-min=21.2km az=67.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like SCPH Surigao, BESP Borongan, BESP Palo, etc.

Table with columns: IDMV, Damavand, 4.33 46 ePn, Pn, 16 43 26.9 +2.2, 16 43 27.6, etc.

NIED 07 16:50:00, 36.50N, 141.70E, h32km, Mw4.2 Best double couple...

IDC 07 16:50:00, 0.5, 36.39N, 141.70E, h0km, mb4.2/24, mb1 4.3/30...

ISCJB 07 16:50:53.7, 0.7, 36.41N, 141.76E, h40km, 5km, mb4.2/34, MS3.3/6...

NEIC 07 16:50:55.7, 0.5, 36.39N, 141.70E, h41km, 4km, mb4.4/11, Error ellipse...

NEIC Recorded (1 JMA) in Fukushima, Ibaraki and Tochigi. JMA 07 16:50:55.2, 0.1, 36.46N, 141.59E, h57km, 3km, M4.3

JMA Felt 1 J1

ISC 07 16:50:54.2, 3.2, 36.42N, 141.79E, h29km, 23km, n109, 019/04/16, mb4.3/34, MS3.3/6, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, etc.

Main table with columns: CJJ, Sn, 16 54 41.1 -8.8, etc. Includes stations like JNU, USRK, KSRS, etc.

JMA 07 17:05:46.1, 0.4, 32.73N, 137.13E, h431km, 4km, M3.7

ISCJB 07 17:05:48.0, 0.4, 32.79N, 137.09E, h400km, mb3.2/11, Error ellipse...

IDC 07 17:05:49.0, 1.0, 32.96N, 136.91E, h400km, 10km, mb3.0/11, mb1 3.2/17, mb1mx3.1/41, mbtmp3.8/17, Error ellipse...

ISC 07 17:05:48.4, 0.6, 32.81N, 137.17E, h400km, n41, 01925/47, mb3.3/11, Southeast of Honshu

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, etc.

ISK 07 17:15:28.2, 39.19N, 141.23E, h10km, ML2.0/7

ISCJB 07 17:15:29.0, 0.5, 39.19N, 141.03, 41.22E, 0.03, h11km, 5km, mb4.0/29, Error ellipse...

DDA 07 17:15:29.3, 38.21N, 142.01E, h7km, ML2.8

ISC 07 17:15:29.0, 0.3, 39.19N, 141.24E, 0.03, h13km, 7km, n14, 0059/23, Turkey

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, etc.

MAN 07 17:15:41.8, 13.79N, 123.68E, h4km, mb4.4, ML3.3, MS3.1, 2C, Luzon

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, etc.

ISC 07 17:26:35.7, 2.0, 51.64N, 10.16E, h400km, n12, 0076/21, Poland

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AAA Alma-Ata, AAA Kotyrbulak, MDOK Medeo, etc.

MEX 07 18:27:58.6-0.9, 16:37N:95.07W, h72km, 15km, MD3.9, Oaxaca. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, MKRAC Makanchi Array, NIED 07 18:33:00, etc.

ATH 07 18:35:49.4, 38.69N-25.41E, h18km, 2km, ML2.0/5, Error ellipse: s-maj=3.1km s-min=1.2km az=85.0. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PSRA Psara, CHOS Chios island, SIGR SIGRI, etc.

IDC 07 18:36:02.0-13.0, 7.62S-129.18E, h135km, 152km, mb3.0/1, mb1 3.5/4, mb1mx3.1/38, mbtmp3.8/4, ML4.1/3, Error ellipse: s-maj=87.5km s-min=52.5km az=70.0. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC.

couple: M=1.75000e1014 NP1=159.00000, 824.00000, lambda=127.00000. NP2=19.00000, 572.00000, lambda=75.00000. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC.

NEIC 07 19:08:00.6-0.0, 16.18N-97.34W, h17km, MD4.1(MEX), After MEX. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC.

IDC 07 19:13:51.9-1.6, 1.32S:137.13E, h0km, mb3.5/2, mb1 3.5/4, mb1mx3.3/24, mbtmp3.3/4, ML3.1/2, Error ellipse: s-maj=44.1km s-min=26.7km az=71.0. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC.

IDC 07 19:16:28.5-1.0, 1.43S:137.20E, 0.05, h32km, mb3.5/2, Error ellipse: s-maj=18.4km s-min=6.5km az=2.4. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC.

Table with columns: Call Sign, Station Name, Frequency, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like Sufi-Kurgan, Almayashu, Arslanbob, Karagaybulak, etc.

Table with columns: Call Sign, Station Name, Frequency, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like Baital, Podgornoye, Borolday, etc.

Table with columns: Call Sign, Station Name, Frequency, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like MAKZ, Makanchi Array, Ouri, Kawachi, etc.

7d 21h

Table with columns: LPL, MSLP, Maasin, iS, eP, Sn, Pn, Time, Res, h, m, s, ISC. Includes NEIC 07 20:34:55.2±0.0, 16:00N:94:60W, h20km, MD4.0(MEX), After MEX. MEX 07 20:34:55.2±0.0, 16:00N:94:60W, h20km, 40km, MD4.0, Near coast of Oaxaca.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes IDC 07 20:40:19.4±1.2, 10:87N:137:43E, h0km, mb3.6/5, mb1 3.8/5, mb1mx3.5/45, mbtmp3.6/5, Error ellipse: s-maj=37.1km s-min=21.8km az=90.0.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes MAN 07 20:42:16.9, 6:35N:124:99E, h32km, mb4.0, ML2.8, MS2.4, 1C, Mindanao.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes IDC 07 20:44:59.0±0.7, 10:54N:126:56E, h0km, mb3.9/9, mb1 4.0/9, mb1mx3.8/41, mbtmp3.9/9, MS3.0/8, Ms1 3.0/8, ms1mx2.8/26, Error ellipse: s-maj=38.9km s-min=15.5km az=68.0.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes MAN 07 20:45:03.3, 10:74N:126:66E, h16km, mb4.9, ML3.8, MS3.8. ISC 07 20:45:00.3±3.8, 10:76N:126:74E±0.07, h4km, mb23km, n28, r1946/34, mb4.1/9, MSB, 8/2, 7D, Philippine Islands region.

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Table with columns: JIO, JFK, JFC, ONAJ, ONAJ, JMM, JMM, JMK, JFT, JFT, JOM, JOM, JYK, JAG, JAG, JYR, JYR, JYR, MJAR, MJAR, JCH, ASAJ, ASAJ, ASAJ, WRA, ASAR, ASAR. Includes Kawauchi, Iwakimizuishiy, Marumori, Ichinoseki, Otama, Ohasama, Kanesama, Ashikaga, Ryogami san, Matsugami Arr, Churui, Asahikawa, Asahikawa, Asahikawa, Warramunga Arr, Alice Springs.

SOME 07 20:54:28.9, 39:87N:74:63E, h5km, KRNET 07 20:54:30.7±0.1, 39:90N:74:69E, h16km, mb3.4, NNC 07 20:54:31.4±2.1, 39:82N:74:66E, h0km, mb3.8, mpv3.4, Error ellipse: s-maj=19.3km s-min=6.2km az=163.0, ISC 07 20:54:29.3±1.5, 39:90N:0:05:74:59E±0.03, h3km, n12km, n46, r141/77, 36C-16D, Southern Xinjiang

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes SFK, SFK, SFK, SFK, NRN, NRN, ARSB, ARSB, DRK, DRK, KZA, KZA, UCH, UCH, UCH, UCH, AML, AML, UHLH, UHLH, UHLH, UHLH, AAK, AAK, AAK, AAK, ARK, ARK, ARK, KBK, KBK, KBK, BOOM, BOOM, EKS2, EKS2, EKS2, BTk, BTk, MRKS, MRKS, MNAS, MNAS, MNAS, MNAS, CHMS, CHMS, CHMS, CHMS, KST, KST, KST, KST, USP, USP, USP, USP, DGS, DGS, DGS, IZV, IZV, IZV, MTBS, MTBS.

Table with columns: MTBS, TNSS, TNSS, MDOK, MDOK, MDOK, MDOK, KNDC, KNDC, KOTS, KOTS, KUU, KUU, KUU, KK31, KK31, KK31, KK31, PDGK, PDGK, PDGK, MNBS, MNBS, MNBS. Includes Tian-Shan, Medeo, Medeo, Medeo, Almaty, Almaty, Kotrybulak, Kotrybulak, Kurty, Kurty, Kurty, Karatay Array, Karatay Array, Karatay Array, Karatay Array, Podgorovye, Podgorovye, Podgorovye, Baschi, Baschi, Baschi.

ISC/JB 07 20:56:01.4±0.5, 39:97N:0:02:33:19E±0.03, h3km, n5km, Error ellipse: s-maj=4.1km s-min=3.7km az=29.1, DDA 07 20:56:01.0, 39:97N:33:20E, h7km, ML2.8, ISK 07 20:56:01.3, 39:96N:33:17E, h0km, ML2.6/7, ISC 07 20:56:01.4±1.1, 39:96N:0:03:33:19E±0.03, h7km, n11km, n24, r056/35, Turkey

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes ANTO, ANTO, LOD, LOD, AFSR, AFSR, ELDT, ELDT, ELDT, KAMT, KAMT, KAMT, CANT, CANT, CMDR, CMDR, KKUL, KKUL, AKSY, AKSY, AKSY, SVRH, SVRH, CHBY, CHBY, COAL, COAL, KIZT, KIZT, KDHN, KDHN, YOZ, YOZ, SULT, SULT, LADK, LADK, GULT, GULT, BORA, BORA, KONT, KONT.

NNC 07 21:10:17.4±3.8, 37:87N:71:53E, h0km, mb4.2, mpv3.9, Error ellipse: s-maj=29.6km s-min=22.7km az=167.0, ISC 07 21:10:13.7±3.3, 37:4N:0:2:71:65E±0.1, h35km, n15, r185/21, SC-7D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes SFK, SFK, AML, AML, MNAS, MNAS, MNAS, UCH, UCH, KZA, KZA, EKS2, EKS2, AAK, AAK, AAK, AAK, KK31, KK31, UHLH, UHLH, CHMS, CHMS, USP, USP, TKM2, TKM2, TKM2, TKM2, AB31, AB31, AB31.

IDC 07 21:30:14.5±10.0, 10:61N:62:07W, h0km, mb3.6/4, mb1 3.9/4, mb1mx3.5/42, mbtmp3.6/4, Error ellipse: s-maj=236.9km s-min=107.0km az=167.0, ISC/JB 07 21:30:32.4±0.7, 10:91N:0:04:62:5W±0.1, h127km, 9km, mb3.5/4, Error ellipse: s-maj=17.3km s-min=6.5km az=176.2, TRN 07 21:30:33.6, 10:87N:62:54W, h112km, MD3.1, ISC 07 21:30:32.4±1.1, 10:88N:0:06:62:5W±0.1, h119km, n12km, n24, r088/39, mb3.4/4, 1C, Near coast of Venezuela

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes TCE, TCE, TRN, TRN, TRN, TRN, TBH, TBH, TBH, GRGR, GRGR, GRHS, GRHS, GRHS.

8d 0h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Mina Array Bea, Moose Ponds, Fox Creek, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MS3.2/5, Error ellipse, PMG, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TNTI, SGSI, SBMI, etc.

ICD 07 22:21:04.8±1.5, 8:59S, 121.43E, h0km, mb3.7/2, mb1.6/5, mb1mx3.5/33, mbtmp3.7/5, ML3.6/3, MS2.7/2, Ms1.2/7.2, ms1mx2.9/30, Error ellipse: s-maj=97.0km s-min=19.2km az=52.0

MEX 07 23:16:21.4±0.5, 15:73N, 94.37W, h52km±16km, MD3.9, Near coast of Oaxaca, Code Station Name Az, Az', Phase ID, Time, Res

ISCBJ 07 23:27:26.7±0.8, 43:74N±0.05±105:01W±0.07, h0km, Error ellipse: s-maj=8.0km s-min=6.4km az=139.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MMRI, EDFI, WSI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KUA, PCIG, CMIG, etc.

NEIC 07 23:27:29.3±0.7, 43:68N, 105:24W, h0km, ML3.1, Error ellipse: s-maj=11.6km s-min=8.3km az=167.0, Suspected Mining explosion.

NEIC 07 21 km [44 miles] SSE of Gillette, NEIC 07 23:28:6.1±0.4, 43:71N±0.05±105:15W±0.05, h0km, n9, ±1500/16, Wyoming

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BATI, SOEI, BKSI, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RSD, RLMT, PDAR, etc.

DDA 07 22:27:35.6, 37:81N, 38:30E, h7km, ML2.6, ISCBJ 07 22:27:30.6±0.5, 37:80N±0.02±38:36E±0.03, h6km, 5km, Error ellipse: s-maj=4.8km s-min=3.7km az=147.7

UPP 07 23:20:38.4±0.5, 67:36N±0.21E, h0km±3km, ML1.9, Sweden, Code Station Name Az, Az', Phase ID, Time, Res

ICD 08 00:23:19.4±1.2, 13:24N±0.09±91:46W±0.08, h28km, mb3.8/2, MS3.2/3, Error ellipse: s-maj=13.8km s-min=9.9km az=25.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ATAB, URFA, AKCD, etc.

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

ISCB 08 00:23:25.1±1.1, 13:43N±0.09±91:35W±0.09, h28km, n10, ±1943/9, MS3.1/3, Near coast of Guatemala, Code Station Name Az, Az', Phase ID, Time, Res

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

ICD 07 22:43:53.5±1.6, 19:75S±168:49E, h0km, mb3.9/5, mb1.4/6, mb1mx3.9/25, mbtmp3.9/6, ML3.5/1, MS3.5/3, Ms1.3/5, ms1mx2.9/30, Error ellipse: s-maj=73.7km s-min=23.6km az=142.0, Vanuatu Islands

ICD 07 23:22:43.5±1.7, 3:68N±126:92E, h0km, mb3.6/5, mb1.3/5, mb1mx3.5/43, mbtmp3.7/5, Error ellipse: s-maj=121.6km s-min=20.7km az=71.0, Talaud Islands

ICD 08 00:23:55.5±1.2, 15:38N±88:66W, h0km, mb3.6/3, mb1.4/0.4, mb1mx3.6/32, mbtmp3.6/4, ML4.0/1, MS2.7/1, Ms1.2/7.1, ms1mx2.3/30, Error ellipse: s-maj=177.0, Hurdurs, Code Station Name Az, Az', Phase ID, Time, Res

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

8d 1h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LDFC Landfair, GSC Goldstone, EDW2 Edwards Air Fo, TUQ Turquoise Moun, etc.

IDC 08 00:46:31.8-623.0,3013N-77.66W, h0km, Error ellipse: s-maj=312.2km s-min=192.8km az=44.0, Off east coast of United States

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I51GB BERMUDA INFRAS, I10CA LAC DU BONNET, I18DK QAANAAQ INFRAS, etc.

NNC 08 00:50:45.6, 1.0, 42.75N-79.52E, h0km, s=5km, mb2.8, mpv2.5, Error ellipse: s-maj=8.6km s-min=4.4km az=135.0

SOME 08 00:50:45.2, 42.68N-79.50E, h20km, KRNET 08 00:50:46.0, 1.0, 42.75N-79.43E, h14km, mb3.0

ISCJB 08 00:50:47.3, 0.6, 42.79N-0.03-79.52E, 0.04, h10km, Error ellipse: s-maj=5.2km s-min=2.9km az=140.4

ISC 08 00:50:47.1, 1.0, 42.79N-0.04-79.41E, 0.03, h10km, n45, r=1540/86, 18C-25D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SHLS Shalkode, UZB Uzynbulak, PDGK Podgomoye, etc.

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Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SATY 24nm,0.1s, PRZ Przeval'sk, ZHN Zhinshke, etc.

ISCJB 08 01:25:42.1, 0.5, 21.30S-0.07-178.17W, 0.1, h450km, mb4.3/31, Error ellipse: s-maj=13.0km s-min=8.9km az=9.0

IDC 08 01:25:42.5, 2.3, 21.25S-177.94W, h446km, 23km, mb3.6/12, mb1 3.8/13, mb1mx3.6/22, mbtmp4.4/13, Error ellipse: s-maj=19.6km s-min=15.6km az=95.0

NEIC 08 01:25:43.1, 0.5, 21.25S-177.98W, mb4.5/16, Error ellipse: s-maj=15.2km s-min=11.1km az=139.0

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BJI 08 01:25:56.1, 21.70S-178.53W, h601km, mb4.5/11, mb4.9/7

ISC 08 01:25:42.8, 0.6, 21.32S-0.09-178.0W, 0.1, h450km, n60, r146/60, mb4.5/31, 5C, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AFI Afiamalu, FUNA Funafuti, DZM Mont Dzumac, URZ Urewera, etc.

ISCJB 08 01:36:08.4, 0.9, 53.18S-0.09-140.91E, 1.0, h10km, mb3.7/5, MS3.1/4, Error ellipse: s-maj=83.1km s-min=12.3km az=178.9

IDC 08 01:36:08.1, 3.3, 53.19S-141.13E, h0km, mb3.8/5, mb1 4.0/5, mb1mx3.8/29, mbtmp3.8/5, MS3.3/4, Ms1 3.2/4, ms1mx3.1/26, Error ellipse: s-maj=103.6km s-min=18.9km az=86.0

ISC 08 01:36:10.3, 1.3, 53.2S-0.1-141.2E, 0.7, h10km, n17, r=080/12, mb3.7/5, MS3.1/4, West of Macquarie Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like STKA Stephens Creek, STKA Rata Peaks, VNSA Vanda, etc.

146A	Union	57.62 339	eP	P	02 00 02.7 -0.5
146A	Union	57.62 339	P	P	02 00 03.1 -0.2
244A	Avery Jackson	57.64 338	P	P	02 00 03.2 -0.1
342A	Flagon Creek P	57.64 336	eP	P	02 00 04.4 +1.1
342A	Flagon Creek P	57.64 336	P	P	02 00 04.3 +1.0
PAULI	Pauline	57.73 347	eP	P	02 00 04.1 +0.1
VBMS	Vicksburg	57.74 338	eP	P	02 00 03.8 -0.2
VBMS	Vicksburg	57.74 338	P	P	02 00 03.9 -0.2
X53A	Estanolee	57.76 345	P	P	02 00 04.0 -0.2
243A	Waterroof	57.78 337	P	P	02 00 04.5 +0.2
Y50A	Piedmont	57.79 343	P	P	02 00 03.7 -0.6
Z47A	Carrollton	57.83 341	P	P	02 00 04.0 -0.6
HKT	Hockley	57.83 332	eP	P	02 00 05.3 +0.7
HKT	Hockley	57.83 332	eP	P	02 00 05.0 +3.4
HKT	Hockley	57.83 332	eP	P	02 00 05.3 +0.7
Z48A	Northport	57.84 341	P	P	02 00 03.9 -0.8
145A	Houston Renfro	57.88 339	P	P	02 00 05.1 0.0
341A	Kurthwood	57.93 335	eP	P	02 00 04.8 -0.6
341A	Kurthwood	57.93 335	P	P	02 00 06.1 +0.8
KMSC	Kings Mountain	57.95 347	eP	P	02 00 05.4 0.0
KMSC	Kings Mountain	57.95 347	P	P	02 00 05.7 +0.3
Y49A	Blount Mountai	57.95 342	eP	P	02 00 04.5 -1.0
Y49A	Blount Mountai	57.95 342	eP	P	02 02 13.1 -2.4
Y49A	Blount Mountai	57.95 342	eP	P	02 00 04.8 -0.7
X52A	Dahlonega	58.00 345	P	P	02 00 05.4 -0.4
144A	Alexander Plac	58.08 338	P	P	02 00 06.3 0.0
Z46A	Louisville	58.10 340	P	P	02 00 06.5 0.0
833A	Chaparral WMA	58.13 328	eP	P	02 00 07.2 +0.4
833A	Chaparral WMA	58.13 328	eP	P	02 00 53.9 -3.3
833A	Chaparral WMA	58.13 328	eP	P	02 00 07.5 +0.7
BG3	Lake Jocassee	58.14 346	eP	P	02 00 06.9 +0.1
242A	Grayson	58.19 336	P	P	02 00 07.6 +0.4
X51A	Calhoun	58.20 344	eP	P	02 00 06.6 -0.6
X51A	Calhoun	58.20 344	P	P	02 00 06.9 -0.3
Y48A	Jasper	58.22 342	P	P	02 00 06.4 -1.0
X50B	Fort Pay	58.31 343	P	P	02 00 07.3 -0.7
W53A	Cullowhee	58.37 346	P	P	02 00 08.6 +0.1
Y47A	UCPAR Wirefire	58.41 341	P	P	02 00 08.1 -0.6
241A	Mo Tay, Golden	58.45 336	eP	P	02 00 09.2 +0.3
241A	Mo Tay, Golden	58.45 336	P	P	02 00 10.0 +1.1
W52A	Murphy	58.47 345	eP	P	02 00 09.1 -0.1
W52A	Murphy	58.47 345	eP	P	02 00 58.4 0.0
W52A	Murphy	58.47 345	eP	P	02 00 09.0 -0.1
143A	Socs Landing,	58.49 337	eP	P	02 00 09.0 -0.2
143A	Socs Landing,	58.49 337	eP	P	02 00 56.7 -1.7
143A	Socs Landing,	58.49 337	eP	P	02 02 11.1 +0.9
143A	Socs Landing,	58.49 337	eP	P	02 00 09.1 -0.2
Z45A	Winona	58.51 339	eP	P	02 00 08.8 -0.5
Z45A	Winona	58.51 339	P	P	02 00 09.3 0.0
X49A	Woodville	58.54 343	P	P	02 00 08.9 -0.6
142A	Monroe	58.55 337	P	P	02 00 10.0 +0.3
Z44A	Pea Ridge, Bel	58.67 338	P	P	02 00 10.5 +0.3
X48A	Hartselle	58.69 342	eP	P	02 00 10.2 -0.4
X48A	Hartselle	58.69 342	P	P	02 00 10.2 -0.4
Y46A	Houston	58.71 340	P	P	02 00 09.9 -0.8
Y45A	Cleveland	58.74 344	P	P	02 00 10.8 -0.1
V53A	Saluda	58.77 346	eP	P	02 00 11.2 0.0
V53A	Saluda	58.77 346	P	P	02 00 11.2 0.0
240A	Hunter Patters	58.79 335	eP	P	02 00 11.8 +0.4
240A	Hunter Patters	58.79 335	P	P	02 00 12.4 +1.1
Z43A	Armstrong Fami	58.89 338	P	P	02 00 11.7 -0.3
NATX	Nacogdoches	58.91 334	eP	P	02 00 12.7 +0.5
NATX	Nacogdoches	58.91 334	P	P	02 00 13.2 +1.1
Y45A	Yeager Farm, C	58.91 339	P	P	02 00 12.0 -0.2
W50A	Signal Mountai	58.92 344	eP	P	02 00 11.9 -0.3
W50A	Signal Mountai	58.92 344	P	P	02 00 12.0 -0.3
CPCT	Cooper, Z	58.96 345	eP	P	02 00 12.1 -0.4
141A	Papa Simpson,	58.96 336	P	P	02 00 13.4 +0.9
TKL	Tuckaleechee C	58.98 345	eP	P	02 00 12.2 -0.4
TKL	Tuckaleechee C	58.98 345	eP	P	02 00 12.1 -0.4
X47A	Russellville	58.99 341	P	P	02 00 11.8 -0.8
W49A	Belvidere	59.10 343	P	P	02 00 12.8 -0.6
SWET	Sevierville	59.10 343	eP	P	02 00 13.0 -0.4
V52A	Sevierville	59.11 346	P	P	02 00 13.0 -0.5
V52A	Sevierville	59.11 346	P	P	02 00 13.1 -0.3
Z42A	Norrel Spur, H	59.20 337	P	P	02 00 14.0 -0.1
SHEL	Horse Pasture	59.21 96	eP	P	02 00 14.9 +0.2
SHEL	Horse Pasture	59.21 96	eP	P	02 00 14.9 +0.2
Y44A	Strider, Charl	59.22 339	P	P	02 00 13.7 -0.6
X46A	Booneville	59.24 341	P	P	02 00 13.5 -0.9
140A	Cam and Jess,	59.25 335	eP	P	02 00 15.7 +1.2
140A	Cam and Jess,	59.25 335	P	P	02 00 15.6 +1.2
V51A	Loudon	59.25 345	eP	P	02 00 13.9 -0.5
V51A	Loudon	59.25 345	P	P	02 00 14.0 -0.5
W48A	Pulaski	59.25 342	P	P	02 00 14.4 -0.4
V50A	Pikeville	59.31 344	P	P	02 00 14.7 -0.2

435B	Jarrell	59.33 331	eP	P	02 00 15.5 +0.4
435B	Jarrell	59.33 331	eP	P	02 01 00.2 -1.6
435B	Jarrell	59.33 331	eP	P	02 00 15.3 +0.2
X45A	UM Field Stati	59.38 340	P	P	02 00 14.3 -1.1
U53A	Fall Branch	59.38 347	P	P	02 00 15.1 -0.3
Y43A	Malakya and Ka	59.42 338	P	P	02 00 15.5 -0.1
OXF	Oxford	59.46 340	eP	P	02 00 14.7 -1.2
OXF	Oxford	59.46 340	eP	P	02 00 14.7 -1.2
OXF	Oxford	59.46 340	eP	P	02 00 14.7 -1.2
OXF	Oxford	59.46 340	eP	P	02 00 14.7 -1.2
OXF	Oxford	59.46 340	eP	P	02 00 14.7 -1.2
PLAL	Pickwick Lake	59.48 341	eP	P	02 00 14.9 -1.1
Z41A	Richland Creek	59.50 336	eP	P	02 00 16.6 +0.4
Z41A	Richland Creek	59.50 336	eP	P	02 01 03.2 +0.8
Z41A	Richland Creek	59.50 336	eP	P	02 00 16.6 +0.4
U52A	Thorn Hill	59.59 346	P	P	02 00 16.2 -0.5
W47A	Weston	59.59 342	P	P	02 00 16.0 -0.8
V49A	McMinnville	59.61 344	P	P	02 00 16.3 -0.6
VNA3	Neumayer Olymp	59.64 161	P	P	02 00 17.5 +0.7
Y42A	Garnett, Star	59.65 337	P	P	02 00 17.4 +0.2
X44A	Crenshaw	59.69 339	P	P	02 00 16.7 -0.8
W46A	Milch	59.72 341	P	P	02 00 16.3 -1.3
CCAR	Cane Creek	59.72 338	eP	P	02 00 18.0 +0.3
U51A	La Follette	59.72 345	P	P	02 00 17.2 -0.5
Z40A	Long Farm, Mag	59.73 336	P	P	02 00 18.9 +1.1
Z40A	Long Farm, Mag	59.73 336	P	P	02 00 17.6 -0.5
TZTN	Tazewell	59.77 346	eP	P	02 00 17.5 -0.5
TZTN	Tazewell	59.77 346	eP	P	02 00 18.7 -0.8
BLA	Blacksburg	59.78 349	eP	P	02 00 18.8 +0.7
BLA	Blacksburg	59.78 349	eP	P	02 00 18.8 +0.7
BLA	Blacksburg	59.78 349	eP	P	02 00 18.7 +0.7
V48A	Smith Brothers	59.83 343	eP	P	02 00 17.9 -0.5
V48A	Smith Brothers	59.83 343	P	P	02 00 18.0 -0.4
VNA1	Neumayer-Stat	59.84 160	P	P	02 00 19.3 +1.3
U50A	Jamestown	59.85 345	P	P	02 00 18.8 -0.5
X43A	Marvell	59.95 339	eP	P	02 00 19.3 0.0
X43A	Marvell	59.95 339	eP	P	02 00 19.3 0.0
W45A	Hickory Valley	59.99 340	P	P	02 00 18.7 -0.8
Y41A	Capite Board	59.99 337	P	P	02 00 19.9 +0.4
WLAR	White Oak Lake	60.00 336	eP	P	02 00 20.6 +1.0
R58B	Mineral	60.11 351	P	P	02 00 20.5 +0.3
V47A	Nunnely	60.11 342	P	P	02 00 19.3 -1.0
JCT	Junction City	60.11 329	eP	P	02 00 20.6 +0.1
JCT	Junction City	60.11 329	eP	P	02 00 20.6 +0.1
JCT	Junction City	60.11 329	eP	P	02 00 20.7 +0.1
W44A	Shelby Farms P	60.17 340	P	P	02 00 19.9 -0.8
T52A	Hallie	60.19 347	P	P	02 00 20.5 -0.4
W43A	Memphis-Engin	60.19 340	eP	P	02 00 20.7 -0.2
VNA2	Neumayer-Watz	60.21 161	P	P	02 00 21.4 +0.8
X42A	Stutter	60.24 338	P	P	02 00 21.0 -0.3
V46A	Holladay	60.26 342	P	P	02 00 19.9 -1.4
T51A	Gray	60.26 346	P	P	02 00 21.0 -0.4
CBN	Corbin Frederi	60.28 352	eP	P	02 00 21.5 +0.1
CBN	Corbin Frederi	60.28 352	P	P	02 00 21.4 +0.1
U49A	Red Boiling Sp	60.28 344	P	P	02 00 20.9 -0.6
WHTX	Lake Whitney,	60.30 332	eP	P	02 00 22.0 +0.3
WHTX	Lake Whitney,	60.30 332	eP	P	02 00 21.9 +0.3
Y40A	Okolona	60.35 336	P	P	02 00 22.4 +0.4
HPIG	comp=Z,209nm,1.4s	60.41 322	eP	P	02 00 23.4 +0.6
W43A	Forest City	60.41 339	P	P	02 00 21.8 -0.5
V45A	Humboldt	60.45 341	P	P	02 00 21.8 -0.9
U48A	Cassie Pea, Po	60.48 343	P	P	02 00 22.4 -0.4
WVT	Waverly	60.48 342	eP	P	02 00 21.9 -0.9
WVT	Waverly	60.48 342	eP	P	02 00 21.9 -0.9
WVT	Waverly	60.48 342	eP	P	02 00 21.9 -0.9
WVT	Waverly	60.48 342	eP	P	02 00 21.9 -0.9
X41A	Kaden, Bauxite	60.50 337	P	P	02 00 22.7 -0.3
T50A	Nancy	60.53 345	P	P	02 00 22.5 -0.6
X40A	Basin Creek Fa	60.61 337	eP	P	02 00 23.0 -0.8
X40A	Basin Creek Fa	60.61 337	P	P	02 00 23.1 -0.6
U47A	Clarksville	60.62 343	P	P	02 00 23.1 -0.7
SLBS	Sierra La Lagu	60.66 316	eP	P	02 00 26.3 +1.9
UALR	University of	60.69 337	eP	P	02 00 24.0 -0.3
HALT	Halls	60.73 341	eP	P	02 00 23.8 -0.8
SS2A	Salversville	60.76 347	P	P	02 00 24.2 -0.5
T49A	Edmonton	60.78 344	eP	P	02 00 24.4 -0.5
T49A	Edmonton	60.78 344	P	P	02 00 24.3 -0.5
U46A	Springville	60.80 342	P	P	02 00 24.2 -0.7
HBAR	Harrisburg	60.82 339	eP	P	02 00 24.9 -0.3
V44A	Blytheville	60.83 340	P	P	02 00 24.5 -0.7
SS1A	Beattyville	60.83 346	eP	P	02 00 24.6 -0.5
SS1A	Beattyville	60.83 346	P	P	02 00 24.7 -0.5
W42A	Bald Knob	60.86 338	P	P	02 00 24.8 -0.5
MIAR	Mount Ida	60.94 336	eP	P	02 00 26.0 0.0
MIAR	Mount Ida	60.94 336	eP	P	02 00 26.0 0.0
MIAR	Mount Ida	60.94 336	eP	P	02 00 26.0 0.0
MIAR	Mount Ida	60.94 336	eP	P	02 00 26.0 0.0
U45A	Rockin P Farm,	60.96 341	P	P	02 00 25.5 -0.6
UTMT	University of	60.98 341	eP	P	02 00 25.9 -0.3

GNAR	Gosnell	60.99 340	eP	P	02 00 26.2 -0.1
V43A	Jonesboro	61.00 339	P	P	02 00 26.0 -0.3
T48A	Bowling Green	61.01 344	P	P	02 00 25.7 -0.7
W41B	Gary Mavity, V	61.02 338	eP	P	02 00 26.0 -0.4
W41B	Gary Mavity, V	61.02 338	P	P	02 00 26.1 -0.4
GLAT	Glass	61.04 341	eP	P	02 00 26.3 -0.4
SS5A	Richmond	61.05 346	P	P	02 00 26.3 -0.4
RKT	Rikitea	61.05 255	i/P	P	02 00 28.9 +1.8
RKT	comp=Z,175nm,1.2s		eP	P	02 00 58.7 +1.9
RKT	comp=Z,155nm,1.3s		eS	S	02 08 39.5 +2.9
RKT	comp=Z,3um,25.5s		eLQ	LQ	02 15 51.4
RKT	comp=Z,908nm,28.2s		eLR	LR	02 18 18.9
T47A	Sharon Grove	61.08 343	eP	P	02 00 26.1 -0.8
T47A	Sharon Grove	61.08 343	P	P	02 00 26.2 -0.6

H43A	Windswept, Lux	68.29 345	P	P	02 01 12.9 -0.6
214A	Organ Pipe Nat	68.31 320	P	P	02 01 15.9 +1.9
KIC	Kosar	68.31 73	eP	P	02 01 14.0 -0.4
K37A	Belmond	68.34 340	P	P	02 01 13.0 -0.9
DBIC	Dimbokro	68.35 73	P	P	02 01 14.5 -0.1
DBIC	comp=Z,936nm,0.8s,baz=220,slow=6.6,SNR=43	68.35 73	eP	S	02 01 05.7 -0.6
DBIC	comp=Z,11nm,1.0s,baz=70,slow=20,SNR=7.9			LR	02 29 41.8
DBIC	comp=Z,929nm,20.4s,baz=220,slow=35			LR	
DBIC	Dimbokro	68.35 73	eP	P	02 01 14.7 +0.1
DBIC	comp=Z,309nm,0.8s				
DBIC	comp=Z,74nm,0.8s				
DBIC	comp=Z,11nm,1.0s,baz=70,slow=20,SNR=7.9			LR	
QSPA	South Pole Qui	68.39 180	eP	P	02 01 05.7 -0.6
QSPA	comp=Z,935nm,1.5s				
I41A	Arkdale	68.43 344	eP	P	02 01 13.9 -0.5
I41A	Arkdale	68.43 344	eP	P	02 01 13.8 -0.7
KSC0	Kaye Shedlock	68.47 332	eP	P	02 01 15.8 +0.9
KSC0	Kaye Shedlock	68.47 332	eP	P	02 01 15.8 +0.9
I40A	Norward	68.48 343	P	P	02 01 14.1 -0.6
K36A	Gilmore City	68.48 340	P	P	02 01 14.5 -0.3
H42A	Shiocton	68.51 345	eP	P	02 01 14.4 -0.5
H42A	Shiocton	68.51 345	eP	P	02 01 14.5 -0.5
X18A	Snowlake	68.55 324	eP	P	02 01 16.4 +0.8
X18A	comp=Z,407nm,1.8s			ePP	
BGNE	Belgrade	68.68 336	eP	PP	02 03 44.9 -3.9
BGNE	Belgrade	68.68 336	eP	P	02 01 16.4 +0.3
BGNE	Belgrade	68.68 336	eP	P	02 01 16.3 +0.2
I39A	Houston	68.69 342	eP	P	02 01 15.4 -0.7
I39A	Houston	68.69 342	eP	P	02 01 15.5 -0.7
SDCO	Great Sand Dun	68.75 329	eP	P	02 01 18.0 +1.0
SDCO	Great Sand Dun	68.75 329	eP	P	02 01 18.2 +1.2
W18A	Petrified Fore	68.87 324	eP	P	02 01 19.1 +1.5
W18A	Petrified Fore	68.87 324	eP	P	02 01 19.1 +1.5
F46A	Macinaw City C	68.88 348	P	P	02 01 16.5 -0.7
H41A	Junction City	68.89 344	eP	P	02 01 16.8 -0.6
H41A	Junction City	68.89 344	eP	P	02 01 16.7 -0.6
F45A	CMU Biological	68.94 347	P	P	02 01 16.8 -0.7
G43A	Wallace	69.01 346	eP	P	02 01 17.2 -0.8
G43A	Wallace	69.01 346	eP	P	02 01 17.1 -0.8
D53A	Lac Vacive, Po	69.07 353	P	P	02 01 18.4 +0.1
H40A	Chili	69.09 343	P	P	02 01 18.0 -0.6
G42A	Mountain	69.17 345	eP	P	02 01 18.4 -0.6
G42A	Mountain	69.17 345	eP	P	02 01 18.4 -0.6
X16A	Lo Mia Camp, P	69.29 323	eP	P	02 01 21.9 +1.7
G41A	Antigo	69.33 344	eP	P	02 01 19.6 -0.5
H39A	Augusta	69.39 343	P	P	02 01 19.6 -0.7
S22A	4UR Ranch, Cre	69.40 328	eP	P	02 01 21.9 +1.0
S22A	4UR Ranch, Cre	69.40 328	eP	P	02 01 22.1 +1.1
F44A	Big Bay de Noc	69.41 347	P	P	02 01 19.5 -1.0
F43A	Flat Rock, Esc	69.44 346	P	P	02 01 19.8 -0.8
113A	Mohawk Valley	69.45 320	eP	P	02 01 22.6 +1.6
E45A	Wooded Hills	69.52 348	P	P	02 01 20.8 -0.3
Q24A	Divide	69.56 330	eP	P	02 01 23.0 +1.0
Q24A	Divide	69.56 330	eP	P	02 01 23.1 +1.1
F42A	Maple Grove Fa	69.59 345	P	P	02 01 20.6 -0.9
G40A	Rib Lake	69.64 344	eP	P	02 01 21.4 -0.5
G40A	Rib Lake	69.64 344	eP	P	02 01 21.4 -0.5
H38A	Malden Rock	69.67 342	P	P	02 01 21.4 -0.6
F41A	Three Lakes	69.81 345	eP	P	02 01 22.7 -0.3
F41A	Three Lakes	69.81 345	eP	P	02 01 22.6 -0.3
MVCO	Mesa Verde	69.81 327	eP	P	02 01 24.6 +1.2
MVCO	Mesa Verde	69.81 327	eP	P	02 01 24.8 +1.4
OGNE	Ogallala	69.82 333	eP	P	02 01 24.0 +0.8
OGNE	Ogallala	69.82 333	eP	P	02 01 23.9 +0.7
Y14A	Wickenburg	69.83 322	eP	P	02 01 24.9 +1.5
TAOE	Nuku Hiva Isla	69.89 268	eP	P	02 01 25.8 +1.5
TAOE	comp=Z,918nm,27.6s			eS	02 01 26.1 +1.3
TAOE	Nuku Hiva Isla	69.89 268	eLR	LR	02 22 19.5
E43A	Lone Tree Farm	69.92 346	eP	P	02 01 23.0 -0.6
E43A	Lone Tree Farm	69.92 346	eP	P	02 01 22.8 -0.6
G39A	Holcombe	69.92 343	P	P	02 01 22.9 -0.6
G38A	Ridgeland	70.00 343	P	P	02 01 23.3 -0.8
VLD0	Val d'Or	70.06 354	eP	P	02 01 24.6 +0.2
WUAZ	Wupatki	70.06 324	eP	P	02 01 26.8 +1.9
WUAZ	Wupatki	70.06 324	eP	P	02 01 26.9 +1.9
COWI	Conover	70.15 345	eP	P	02 01 24.7 -0.4
ECSD	EROS Data Cent	70.17 339	eP	P	02 01 24.9 -0.3
ECSD	EROS Data Cent	70.17 339	ePP	PP	02 03 54.7 -7.8
ECSD	EROS Data Cent	70.17 339	eP	P	02 01 24.8 -0.3
E42A	Champion	70.17 346	P	P	02 01 24.7 -0.4
F40A	Park Falls	70.23 344	P	P	02 01 25.3 -0.2
GLA	Glamis	70.28 320	eP	P	02 01 28.0 +1.8
GLA	Glamis	70.28 320	eP	P	02 01 28.0 +1.8
GLA	Glamis	70.28 320	eP	P	02 01 27.9 +1.8
SPMN	Marine on St.	70.32 342	eP	P	02 01 25.4 -0.7
SPMN	Marine on St.	70.32 342	eP	P	02 01 25.4 -0.7
F39A	Loretta	70.43 344	P	P	02 01 26.3 -0.5
ISCO	Idaho Springs	70.45 330	eP	P	02 01 28.4 +1.1
ISCO	Idaho Springs	70.45 330	ePP	PP	02 03 56.0 -9.2
ISCO	Idaho Springs	70.45 330	eP	P	02 01 28.4 +1.1

ISCO	Idaho Springs	70.45 330	P	P	02 01 28.4 +1.1
E41A	Kenton	70.45 345	P	P	02 01 26.2 -0.6
PV01	Paradox Valley	70.56 327	eP	P	02 01 29.4 +1.4
Y12C	Blythe	70.59 320	eP	P	02 01 28.9 +0.9
Y12C	Blythe	70.59 320	eP	P	02 01 29.9 +1.9
SMCO	Smowmass	70.59 329	eP	P	02 01 29.8 +1.5
E40A	Wakefield	70.66 344	eP	P	02 01 28.2 +0.1
PV02	Paradox Valley	70.70 327	eP	P	02 01 30.1 +1.3
PV13	Radium Mtn., P	70.70 327	eP	P	02 01 30.1 +1.3
F37A	Hinrichs Farm,	70.72 342	P	P	02 01 28.1 -0.4
F38A	Pierce - Schro	70.73 343	P	P	02 01 28.2 -0.3
PDMC	Parker Dam,Lak	70.75 321	P	P	02 01 30.3 +1.3
PDMC	Snowmass	70.77 344	P	P	02 01 28.5 -0.2
IKP	In-Ko-Pah, Jac	70.78 319	P	P	02 01 31.2 +1.9
PV05	Paradox Valley	70.78 327	eP	P	02 01 30.5 +1.2
PV03	Paradox Valley	70.79 327	eP	P	02 01 30.5 +1.1
SWSC	Sam W. Stewart	70.80 319	P	P	02 01 31.0 +1.8
PV18	Skein Mesa, Pa	70.82 327	eP	P	02 01 30.7 +1.2
PV12	Sauer Basin,	70.82 327	eP	P	02 01 30.8 +1.3
PV11	David Mesa, Pa	70.84 327	eP	P	02 01 30.8 +1.2
PV17	East Wray Mesa	70.87 327	eP	P	02 01 31.0 +1.2
PV16	Nyswonger Mesa	70.87 327	eP	P	02 01 31.0 +1.2
PV19	San Nicolas Is	70.90 327	eP	P	02 01 31.2 +1.1
D41A	Chassel	70.92 346	eP	P	02 01 29.7 +0.1
D41A	Chassel	70.92 346	eP	P	02 01 29.6 +0.1
PV20	West Nyswonger	70.92 327	eP	P	02 01 31.2 +1.1
PV14	Lion Creek, Pa	70.97 327	eP	P	02 01 31.6 +1.1
PV14	Blue Mesa, Pa	70.98 327	ePP	PP	02 04 03.9 -5.8
PV22	Blue Mesa, Pa	70.98 327	eP	P	02 01 31.9 +0.4
PV10	Paradox Valley	70.98 327	eP	P	02 01 31.2 +0.7
PV23	Carpenter Ridg	71.03 327	eP	P	02 01 32.1 +1.2
BC3	Big Chuckawall	71.08 320	eP	P	02 01 32.8 +1.8
PV21	Come Mtn., Par	71.09 327	eP	P	02 01 32.4 +1.2
PV09	Paradox Valley	71.12 327	eP	P	02 01 32.9 +1.4
MONPZ	Monument Peak	71.14 319	P	P	02 01 33.4 +1.8
BAR	Saret, Glor	71.15 318	eP	P	02 01 32.5 +1.1
W13A	Hualapai Mtn	71.17 322	eP	P	02 01 33.8 +2.0
U15A	Not Rim	71.23 324	eP	P	02 01 34.4 +2.2
E38A	The Farm, Brul	71.24 343	eP	P	02 01 30.9 -0.6
E38A	The Farm, Brul	71.24 343	eP	P	02 01 31.0 -0.6
IRM	Iron Mountain	71.24 320	P	P	02 01 33.8 +1.9
NEE2	Needles Airpor	71.36 321	P	P	02 01 34.2 +1.6
DRLN	Deer Lake	71.39 7	eP	P	02 01 32.0 -0.4
N23A	Red Feather La	71.48 331	eP	P	02 01 34.6 +1.2
N23A	Red Feather La	71.48 331	eP	P	02 01 34.6 +1.2
109C	Camp Elliot, M	71.56 318	P	P	02 01 35.3 +1.5
CPE	Camp Elliot, M	71.56 318	eP	P	02 01 35.4 +1.6
PHWY	Pilot Hill	71.58 331	eP	P	02 01 35.1 +0.9
SUSD	Miller	71.61 337	P	P	02 01 36.3 -0.3
BELC	Belle Mtn. Jos	71.62 320	P	P	02 01 36.3 +1.8
PFO	Pinyon Flats O	71.66 319	eP	P	02 01 36.4 +1.9
PFO	Pinyon Flats O	71.66 319	eP	P	02 01 36.4 +1.9
PFO	Pinyon Flats O	71.66 319	eP	P	02 01 36.4 +1.9
PFO	Pinyon Flats O	71.66 319	eP	P	02 01 36.4 +1.9
FRD	Ford Ranch, An	71.66 319	P	P	02 01 36.5 +2.0
C40A	Isle Royale Na	71.86 345	eP	P	02 01 35.2 0.0
C40A	Isle Royale Na	71.86 345	eP	P	02 01 34.8 -0.4
LDFC	Landfair	71.86 321	eP	P	02 01 38.1 +2.4
O20A	White River C	71.95 329	eP	P	02 01 37.7 +1.4
O20A	White River C	71.95 329	eP	P	02 01 37.7 +1.4
KNB	Kanab	71.95 324	eP	P	02 01 38.6 +2.3
KNB	Kanab	71.95 324	eP	P	02 01 38.6 +2.3
GMRC	Grate Mount	71.98 321	P	P	02 01 38.5 +2.0
PKCU	Pink Cliffs	71.99 325	eP	P	02 01 38.6 +1.9
MURC	Murrieta	72.10 319	P	P	02 01 38.9 +1.8
LCMT	Little Creek M	72.18 324	eP	P	02 01 39.5 +1.9
SRU	San Rafael Swe	72.29 327	eP	P	02 01 39.7 +1.4
SRU	San Rafael Swe	72.29 327	eP	P	02 01 39.7 +1.4
MTPU	Mount Pierson	72.36 325	eP	P	02 01 40.4 +1.5
BBRC	Big Bear Solar	72.38 319	P	P	02 01 41.1 +2.2
HEC	Hector,Ludlow	72.42 320	P	P	02 01 41.1 +2.1
EYMN	Ely	72.46 344	eP	P	02 01 38.2 -0.6
EYMN	Ely	72.46 344	ePP	PP	02 04 16.4 -5.6
EYMN	Ely	72.46 344	eP	P	02 01 38.3 -0.6
SZCU	Shurtz Canyon	72.52 324	eP	P	02 01 41.6 +1.9
SC12	San Clemente I	72.52 317	eP	P	02 01 41.3 +1.7
P18A	Preston Nutter	72.54 327	eP	P	02 01 40.2 +0.3
TUQ	Turquoise Moun	72.59 321	P	P	02 01 41.9 +1.8
CCUT	Cedar City	72.64 324	eP	P	02 01 42.9 +2.4
P17A	Butcher Ranch,	72.68 327	eP	P	02 01 42.0 +1.5
RWWY	Rawlins	72.69 331	eP	P	02 01 40.9 +0.3
MSU	Marlyvale	72.70 325	eP	P	02 01 42.7 +1.9
MSU	Marlyvale	72.70 325	eP	P	02 01 42.7 +1.9
CIS	Catalina Islan	72.72 318	P	P	02 01 42.4 +1.6
TMUT	Trail Mountain	72.78 326	eP	P	02 01 42.6 +1.3
BFSC	Mount Baldy Ra	72.81 319	P	P	02 01 43.0 +1.6
RRR	Edin Barstow	72.84 320	P	P	02 01 43.6 +2.2
FMP	Fort Macarthur	72.85 318	P	P	02 01 43.3 +1.8

SHPR	Sheep Range	72.90 322	eP	P	02 01 43.8 +1.8
TCRU	Three Creeks R	72.92 325	eP	P	02 01 43.5 +1.4
GSC	Goldstone, Bar	73.02 320	eP	P	02 01 44.5 +1.9
GSC	Goldstone, Bar	73.02 320	eP	P	02 01 44.5 +1.9
GSC	Goldstone, Bar	73.02 320	eP	P	02 01 44.5 +1.9
GSC	Goldstone, Bar	73.02 320	eP	P	02 01 44.5 +1.9
MWC	Mount Wilson	73.05 319	eP	P	02 01 44.5 +1.6
MWC	Mount Wilson	73.05 319	eP	P	02 01 44.5 +1.6
PMOZ	Porto Moniz, M	73.06 43	eP	P	02 01 44.3 +1.4
PASC	Pasadena Art C	73.09 319	eP	P	02 01 46.6 +1.7
SHOC	Shoshone, Teco	73.12 321	P	P	02 01 44.6 +1.5
K22A	Casper	73.14 332			

8d 1h

Table with columns: Call Sign, Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like TIAR, REDW, PAEA, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like BEKR, BEKR, LRM, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like PVAQ, PVAQ, PVAQ, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, SNR, and other technical details. Includes stations like A04D Lummi Island, PAB San Pablo, PAB San Pablo, PGC Sidney, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, SNR, and other technical details. Includes stations like BESE Bessie Mountain, AFI Afamalu, BEBN Eben Emael, MEM Membach, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, SNR, and other technical details. Includes stations like OKC Ostrava-Krasne, VYHNE Vyhne, EIELSON Array, HFS Hagfors, etc.

Table with columns: Station Name, Frequency, Band, Mode, and other parameters. Includes stations like DANN, INU, INSI, Tana Toraja, etc.

Table with columns: Station Name, Frequency, Band, Mode, and other parameters. Includes stations like SSE, XAN, XIAN, XAN, XAN, etc.

MOS 08 01:59:08.3:0.0, 43'19N:43'05E, h3km, 26km, MPVA3.5.

Table with columns: Code, Station Name, Frequency, Band, Mode, and other parameters. Includes stations like BEYR, KIV, KBTC, etc.

Table with columns: Station Name, Frequency, Band, Mode, and other parameters. Includes stations like ASAL, AAGR, RTCV, Cero Valdivia, etc.

8d 5h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Mina Array, Syowa Base, Kaiserwell, Vanda, etc.

ISCJB 08 03:11:22.5:0.3, 49:55N:0:02:2:88W:0:04, h10km, Error ellipse: s-maj=3.9km s-min=2.4km az=140.2

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

2012 OCT

Table with columns: LOR, Lormes, Az, Phase, ID, Time, Res. Includes stations like Freestone, Signal de Mont, etc.

ICD 08 03:33:14.4:3.6, 10:93S:115:40E, h0km, mb3.2/3, mb1 3.7/4, mb1mx3.4/4, mbtm3.5/4, ML3.8/1, Error ellipse: s-maj=209.6km s-min=24.8km az=46.0

DJA 08 03:33:21.1:1.0, 10:54S:117:7E, h15km, 14km, M4.3/12, m84.6/1, mb4.6/3, MLV4.2/12, Mw(m)/3.8/1

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

ISCJB 08 03:51:38.0:0.7, 31:88S:0:03:69:55W:0:04, h119km, 6km, Error ellipse: s-maj=5.5km s-min=4.2km az=26.8

GUC 08 03:51:38.0:0.7, 31:88S:69:55W, h137km, 9km, ML3.0, SJA 08 03:51:38.0:0.7, 31:88S:69:55W, h122km, 2km, ML2.9, MW3.1

ISC 08 03:51:39.8:1.5, 31:88S:0:03:69:56W:0:04, h111km, 10km, n24, 0:09:57:43, S, San Juan Province

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Leontico, Uspallata, Cerro Arco, etc.

ICD 08 04:09:35.9:1.5, 25:13N:109:73W, h0km, mb1 3.3/3, mb1mx3.2/3, mbtm2.3/3, ML3.5/3, Error ellipse: s-maj=33.9km s-min=10.8km az=121.0, Gulf of California

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like La Paz, Lajitas Array, etc.

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

MAN 08 04:18:09.9, 11:77N:125:37E, h57km, mb4.3, ML3.1, MS2.8, L, Samar

ISCJB 08 04:30:09.4:1.5, 0:13S:125:34E, h0km, mb3.6/5, mb1 3.7/6, mb1mx3.5/30, mbtm3.6/6, ML3.2/1, Error ellipse: s-maj=105.0km s-min=19.8km az=63.0

ISCJB 08 04:30:13.4:0.4, 0:07S:0:04:125:40E:0:03, h49km, mb3.7/5, Error ellipse: s-maj=5.8km s-min=4.5km az=20.4

DJA 08 04:30:14.4:0.4, 0:07S:125:37E, h57km, 14km, M3.7/13, mb3.7/1, ML3.8/13

ISC 08 04:30:15.2:0.8, 0:07S:0:05:125:42E:0:04, h49km, n16, s1905:23, mb3.8/5, Southern Molucca Sea

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

NIED 08 04:59:00, 33:20N:139:40E, h185km, Mw3.9 Best double couple: M6.99000:1014 NP1:143.00000, T3:64.00000, -1:159.00000, NP2:36.00000, 6:79.00000, 1:58.00000

ISCJB 08 04:59:57.6:0.5, 33:16N:0:05:139:38E:0:07, h195km, 3km, mb3.5/11, Error ellipse: s-maj=9.5km s-min=7.4km az=154.5

JMA 08 04:59:58.0:3.3, 33:22N:139:41E, h191km, 3km, M3.6, IDC 08 04:59:58.0:3.3, 33:10N:139:20E, h183km, 7km, mb3.5/11, mb1 3.6/14, mb1mx3.4/48, mbtm3.9/14, MS2.8/2, M51 2.8/2, mb1mx2.3/31, Error ellipse: s-maj=35.7km s-min=10.1km az=71.0

ISC 08 04:59:58.0:0.7, 33:08N:0:05:139:39E:0:07, h190km, 6km, n38, s1920:45, mb3.5/11, Southeast of Honshu

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

ISCJB 08 05:07:06.9:0.4, 6:64S:0:04:130:29E:0:05, h146km, mb4.8/5, Error ellipse: s-maj=7.8km s-min=5.0km az=169.2

NEIC 08 05:07:08.4:0.9, 6:68S:130:44E, h147km, 11km, mb4.6/8, Error ellipse: s-maj=13.7km s-min=10.0km az=76.0

IDC 08 05:07:08.3:2.7, 6:67S:130:11E, h124km, 36km, mb3.8/1, mb1 4.0/5, mb1mx3.5/39, mbtm3.4/35, MS2.9/1, Ms1 2.9/1,

ms1mx2.3/38, Error ellipse: s-maj=71.9km s-min=20.6km az=89.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SAUI Saumlaki, FAKI Fak Fak, SIJI Sorong, FITZ Fitzroy Crossi, etc.

JMA 08 05:10:21.1±0.3, 36.33N; 141.61E, h52km, M3.3

ISC 08 05:10:20.8±1.4, 36.28N; 141.53E, h26km, n18, az=39.17, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JHYU Hitachinagaki, JHO Hitachi, JHU Hitachinouchi, etc.

AMOG MOGNA 3.22 119 eP Pb 05 23 13.7 -1.5

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Cerro Villicun, Uspallata, El Roble, etc.

ISC 08 05:25:24.5±3.6, 19.38S; 175.33E, h0km, mb3.5/2, mb1 3.8/2, mb1mx3.5/31, mbtmp3.5/2, Error ellipse: s-maj=184.6km s-min=42.6km az=166.0, South of Fiji Islands

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

TSUJ Mikiokoku 0.79 238 S Sg 05 47 39.7 -0.6

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Matusshiro, Limon Verde, IPOC Station P, etc.

ISCJB 08 05:50:19.6±0.5, 21.87S; 0°03'68.29W, 0°07, h115km, 6km, mb4, 4/8 Error ellipse: s-maj=10.2km s-min=5.5km az=177.7

GUC 08 05:50:21.4±0.7, 21.84S; 68°59W, h130km, 6km, ML4.0, NEIC 08 05:50:21.0±0.2, 21.84S; 68°59W, h130km, mb4.3/10, ML4.0(GUC), After GUC.

ISC 08 05:50:24.0±0.7, 21.84S; 68°59W, h114km, 25km, mb4.0/3, mb1 3.7/8, mb1mx3.5/34, mbtmp4.1/8, Error ellipse: s-maj=36.0km s-min=20.4km az=113.0

ISC 08 05:50:24.0±0.7, 21.84S; 68°59W, h104km, 8km, mb4.3, az=193°56, mb4, 4/8, Chile-Bolivia border region

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

JMA 08 05:47:22.4, 34.66N; 137.08E, h12km, 1km, M3.1-C3D Broadband fault plane solution: P waves, NP2: phi=173.00000, delta=362.00000, lambda=103.00000

ISC 08 05:47:22.1±1.9, 29.41S; 171.77W, 0.06, h2km, 1km, n75, az=295°100, mb4.1/17, MS3.6/6, Near coast of central Chile

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like TUQ, MWC, MEG, PASC, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like 541A, SAO, RYN, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like ORV, 444A, BW06, etc.

8d 6h

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Table with columns: ID, Name, Az, El, AzM, ElM, AzR, ElR, AzS, ElS, AzL, ElL, AzP, ElP, AzMx, ElMx, AzRm, ElRm, AzSm, ElSm, AzLm, ElLm, AzPm, ElPm. Rows include Z45A Winona, N02D Trinity Center, 246A Jacks Lee, H17A Grant Village, H17A Grant Village, X44A Crenshaw, Q38A Cooks Store, U42A Revenden, T41A Mountain View, 447A Lucedale, 447A Lucedale, LKWW Lake, LKWW Lake, M04C Macdonald, 146A Union, 146A Union, Y45A Yeager Farm, RSSD Black Hills, RSSD Black Hills, RSSD Black Hills, RSSD Black Hills, V43A Jonesboro, 347A Saraland, J04B Circle Bar Ran, M02C Callahan, KHMM Horse Mountain, S41A Jilco Farms, 247A Quitman, MET Memphis-Engin, QLMT Earthquake Lak, Z46A Louisville, JCC Jacoby Creek, T42A Van Buren, T42A Van Buren, W44A Shelby Farms P, YBH Yreka Blue Hor, YBH Yreka Blue Hor, YBH Yreka Blue Hor, X45A UM Field Stati, OXF Oxford, OXF Oxford, OXF Oxford, MCMT McKenzie Canyo, K05A Summer Lake, U43A Rector, RLMT Red Lodge, RLMT Red Lodge, L04D Klamath Falls, V44A Blytheville, Y46A Houston, 448A Bay Mills, 348A Jackson, 348A Jackson, 348A Jackson, PBMO Poplar Bluff, PBMO Poplar Bluff, 147A Livingston, 147A Livingston, K04D Chiloquin, OR, CCM Cathedral Cave, CCM Cathedral Cave, CCM Cathedral Cave, TEIG Tepich, TEIG Tepich, W45A Hickory Valley, R41A Rosebud, DLMT Dillon, DLMT Dillon, T43A Greenville, S42A Caledonia, 248A Dixon Mills, 247A Carrollton, PVMO Portageville, PVMO Portageville, J05D Fort Rock, OR, X46A Boonville, U44A Portageville, BOZ Bozeman (W), BOZ Bozeman (W), BOZ Bozeman (W), BOZ Bozeman (W).

Table with columns: ID, Name, Az, El, AzM, ElM, AzR, ElR, AzS, ElS, AzL, ElL, AzP, ElP, AzMx, ElMx, AzRm, ElRm, AzSm, ElSm, AzLm, ElLm, AzPm, ElPm. Rows include BOZ Bozeman (W), 449A Pace, APG APi Apazole, APG Izeze, I07A Izeze, HUMO Hull Mountain, HUMO Hull Mountain, GCMT Green Cliff, R42A Luebbering, U44B Burton Farm, BMO Blue Mountains, BMO Blue Mountains, BMO Blue Mountains, V45A Humboldt, 148A Greensboro, 349A Repton, S43A Fulton Ridge, Q41A Truxton, BRAL Brewton, BRAL Brewton, BRAL Brewton, LCCM Lewis and Clar, J04D Umoos Nona, PINE Pine Mountain, PINE Pine Mountain, Y47A UCPARC, W46A Michie, 248A Camden, Z49A Northport, Z48A Northport, L36A Harm Buss Farm, UTMT University of, K02D Willamette Mer, X47A Russellville, PLAL Pickwick Lake, PLAL Pickwick Lake, U45A Rockin P Farm, 450A Crestview, SUSD Miller, DBO Dodson Butte, Q42A Golden Eagle, SLM Saint Louis, SLM Saint Louis, SLM Saint Louis, R43A Red Bud, N39A Derby Farms, N39A Derby Farms, N39A Derby Farms, N39A Derby Farms, LRAL Lakeview Retre, LRAL Lakeview Retre, LRAL Lakeview Retre, P41A Barry, Barry, 149A Jones, V46A Holiday, WIFE Three Sisters, Y48A Jasper, I04A Tendick Farm, S44A Carbondale, ECSD EROS Data Cent, ECSD EROS Data Cent, SIUC Southern Illin, SIUC Southern Illin, 350A Dozier, I05D Terbonne, OR, T45A Paducah, T45A Paducah, K36A Gilmore City, IRO Indian Ridge, W47A Westpoint, G08A Pilot Rock, G08A Pilot Rock, U46A Springville, PRLK Springville, SCIA State Center, SCIA State Center, 250A Grady, 250A Grady, HRY Holter Researc, X48A Hartselle, X48A Hartselle, X48A Hartselle, Z49A Colbrian, WWT Waverly, WWT Waverly.

Table with columns: ID, Name, Az, El, AzM, ElM, AzR, ElR, AzS, ElS, AzL, ElL, AzP, ElP, AzMx, ElMx, AzRm, ElRm, AzSm, ElSm, AzLm, ElLm, AzPm, ElPm. Rows include WWT Waverly, WWT Waverly, I03D Drain, OR, O41A Passleys Farm, P42A Winchester, P42A Winchester, P42A Winchester, F10A Beach Ranch, F10A Beach Ranch, LAO LASA Array, LAO LASA Array, LAO LASA Array, Q43A New Douglas, N40A Mertquake, Sal, R44A Waltonville, 451A Vernon, 451A Vernon, 451A Vernon, V47A Nunnely, M39A Webster, S45A Carrier Mills, TCBU Trout Butte, 150A Eclectic, M50A Missoula, MSO Missoula, MSO Missoula, Y49A Blount Mountain, Y49A Blount Mountain, Y49A Blount Mountain, CHMT Chamberlain Mo, W48A Pulaski, G06A Carlson Farm, G06A Carlson Farm, K37A Belmont, 351A Pinckard, 351A Pinckard, H04A Detroit Lake, H04A Detroit Lake, N41A Harden Midland, N41A Harden Midland, N41A Harden Midland, 552A Lynn Haven, H04D Lebanon, M40A Post Highland, Q44A Meyer Farm, Va, Z50A Ashland, Z50A Ashland, Z50A Ashland, U47A Clarksville, G05D Wamic, OR, O42A Bath, I02D Swisshome, X49A Woodville, P43A Skaggs, Pawnee, V48A Smith Brothers, V48A Smith Brothers, V48A Smith Brothers, V48A Smith Brothers, 452A Marianna, 251A Midway, R45A Skyfar, Fairfir, F07A Phinny Hill Vi, F07A Phinny Hill Vi, L39A Vinton, COR Corvallis, COR Corvallis, COR Corvallis, E09A Wood Farm, Sta, E09A Wood Farm, Sta, S46A Don Dixon Farm, W49A Belvidere, 151A Opelika, Y50A Piedmont, T47A Sharon Grove, T47A Sharon Grove, G04A Mulino, USIN University of, USIN University of, 352A Blakely, 352A Blakely, N42A Yates City, E08A Dider Farm, El, E08A Dider Farm, El, M41A Milan, M41A Milan.

HAWA Hanford	baz=230,SNR=64	22.70	342	eP	P	06 31 22.6	-1.8	LR	LR
HAWA	comp=Z,417nm,1.0s								
OLIL Olney	comp=Z,30um,19.0s	22.70	48	eP	P	06 31 23.8	-0.6	LR	LR
OLIL	comp=Z,303nm,1.0s								
P44A Sand Creek, WI	comp=Z,46um,18.0s	22.74	46	P	P	06 31 24.0	-0.8	LR	LR
P44A	baz=237,SNR=22								
Q45A Warren Harvey,	baz=239,SNR=31	22.75	48	P	P	06 31 24.5	-0.4	LR	LR
Q45A	baz=239,SNR=31								
L40A Anamosa	comp=Z,218nm,0.8s	22.75	37	eP	P	06 31 24.4	-0.6	LR	LR
L40A	comp=Z,4um,19.0s								
L40A Anamosa	baz=228,SNR=28	22.75	37	P	P	06 31 23.9	-1.1	LR	LR
X50B Fort Payne	baz=252,SNR=8.6	22.76	60	P	P	06 31 23.8	-1.4	LR	LR
O43A Sugar Creek Fa	baz=246,SNR=24	22.76	43	P	P	06 31 23.9	-1.1	LR	LR
U48A Cassie Pea, Po	baz=246,SNR=24	22.80	55	P	P	06 31 24.6	-0.9	LR	LR
Z51A Franklin	baz=259,SNR=27	22.82	63	P	P	06 31 24.8	-0.9	LR	LR
F05D White Salmon	baz=151,SNR=105	22.83	338	P	P	06 31 24.5	-1.3	LR	LR
K39A Oelwein	baz=225,SNR=60	22.84	35	P	P	06 31 24.5	-1.4	LR	LR
R46A Gibon Southern	baz=241,SNR=11	22.85	50	P	P	06 31 24.7	-1.3	LR	LR
553A Crawfordville	baz=263	22.86	72	P	P	06 31 25.0	-1.2	LR	LR
252A Lumpkin	baz=259,SNR=65	22.88	67	P	P	06 31 25.4	-1.0	LR	LR
EGMT Eagleton	comp=Z,540nm,1.1s	22.89	360	eP	P	06 31 25.4	-1.1	LR	LR
EGMT	comp=Z,23um,21.0s								
EGMT Eagleton	baz=180,SNR=31	22.89	360	P	P	06 31 25.0	-1.5	LR	LR
G03D McMinville, O	baz=147,SNR=96	22.91	335	P	P	06 31 25.0	-1.6	LR	LR
JTMT Jette	comp=Z,122nm,1.0s	22.91	352	eP	P	06 31 25.3	-1.5	LR	LR
JTMT	comp=Z,22um,21.0s								
HDIL Hope Dale	comp=Z,278nm,0.9s	22.93	43	eP	P	06 31 26.5	-0.3	LR	LR
HDIL	comp=Z,16um,21.0s								
HDIL Hope Dale	baz=234,SNR=19	22.93	43	P	P	06 31 25.9	-1.0	LR	LR
E07A Sunnyside	comp=Z,318nm,1.0s	22.94	342	eP	P	06 31 25.5	-1.4	LR	LR
E07A	comp=Z,27um,19.0s								
V49A McMinnville	baz=249,SNR=25	22.99	57	P	P	06 31 26.3	-1.3	LR	LR
S47A Hartford	baz=244,SNR=32	23.01	52	P	P	06 31 27.1	-0.6	LR	LR
152A Waverly Hall	comp=Z,172nm,0.9s	23.04	65	eP	P	06 31 27.2	-0.8	LR	LR
152A	comp=Z,32um,19.0s								
152A Waverly Hall	baz=257,SNR=77	23.04	65	P	P	06 31 27.2	-0.8	LR	LR
453A Whigham	comp=Z,323nm,1.1s	23.04	70	eP	P	06 31 28.2	+0.1	LR	LR
453A	comp=Z,21um,19.0s								
453A Whigham	baz=262,SNR=8.7	23.04	70	P	P	06 31 27.7	-0.4	LR	LR
Y51A Rockmart	baz=254,SNR=70	23.06	62	P	P	06 31 27.5	-0.7	LR	LR
BSMT Bassock Peak	baz=239,SNR=35	23.09	351	eP	P	06 31 26.9	-1.7	LR	LR
D08A Wollman Farm,	comp=Z,208nm,1.0s	23.14	344	eP	P	06 31 26.4	-2.5	LR	LR
D08A	comp=Z,23um,18.0s								
T48A Bowling Green	baz=245,SNR=42	23.15	53	P	P	06 31 28.2	-0.9	LR	LR
L41A Preston	baz=229,SNR=32	23.17	38	P	P	06 31 28.9	-0.3	LR	LR
M42A Sheffield	baz=231,SNR=5.5	23.19	40	P	P	06 31 28.8	-0.7	LR	LR
353A Camilla	baz=261,SNR=12	23.20	69	P	P	06 31 28.5	-1.2	LR	LR
404A Mansfield	baz=236,SNR=8.7	23.22	45	P	P	06 31 28.2	-1.6	LR	LR
N43A Stutzman Famil	baz=233,SNR=12	23.23	42	P	P	06 31 28.6	-1.3	LR	LR
K40A Colesburg	baz=227,SNR=9	23.23	36	P	P	06 31 28.9	-1.0	LR	LR
W50A Signal Mountai	comp=Z,635nm,1.0s	23.25	59	eP	P	06 31 28.8	-1.5	LR	LR
W50A	comp=Z,45um,20.0s								
W50A Signal Mountai	baz=251,SNR=41	23.25	59	P	P	06 31 28.9	-1.3	LR	LR
P45A Graceland, Par	comp=Z,103nm,0.8s	23.35	47	eP	P	06 31 30.2	-0.9	LR	LR
P45A	comp=Z,23um,20.0s								
P45A Graceland, Par	baz=238,SNR=15	23.35	47	P	P	06 31 30.2	-0.9	LR	LR
Q46A CEJHS Indians,	baz=240	23.35	48	P	P	06 31 29.8	-1.2	LR	LR
U49A Red Boiling Sp	baz=248,SNR=36	23.36	55	P	P	06 31 30.3	-1.0	LR	LR
J39A Decorah	baz=224,SNR=19	23.38	34	P	P	06 31 30.7	-0.6	LR	LR
253A Americus	comp=Z,25um,20.0s	23.40	67	eP	P	06 31 30.9	-0.7	LR	LR
253A	comp=Z,25um,20.0s								
253A Americus	baz=259,SNR=29	23.40	67	P	P	06 31 30.6	-1.1	LR	LR
Z52A Williamson	baz=256,SNR=36	23.40	64	P	P	06 31 30.9	-0.8	LR	LR
X51A Calhoun	comp=Z,188nm,0.9s	23.41	60	eP	P	06 31 31.0	-0.8	LR	LR
X51A	comp=Z,34um,19.0s								
X51A Calhoun	baz=253,SNR=26	23.41	60	P	P	06 31 30.9	-0.8	LR	LR
554A Perry	baz=264,SNR=11	23.49	72	P	P	06 31 28.9	-3.7	LR	LR
F04D Rainier, OR	baz=148,SNR=5.2	23.55	336	P	P	06 31 31.9	-1.1	LR	LR
R47A Woolly Knot Far	baz=243,SNR=83	23.57	50	P	P	06 31 32.4	-0.9	LR	LR
V50A Pikeville	baz=259,SNR=112	23.57	58	P	P	06 31 31.8	-1.6	LR	LR
L42A Oliver, Polo	comp=Z,359nm,0.9s	23.59	39	eP	P	06 31 33.3	-0.2	LR	LR
L42A	comp=Z,2um,21.0s								
L42A Oliver, Polo	baz=230,SNR=16	23.59	39	P	P	06 31 32.1	-1.4	LR	LR
S48A Wiedeman Farm,	baz=245,SNR=249	23.62	52	P	P	06 31 33.3	-0.5	LR	LR
K41A Shullsburg	baz=228,SNR=32	23.62	38	P	P	06 31 32.7	-1.1	LR	LR
M43A Waltham Townsh	baz=233,SNR=23	23.66	41	P	P	06 31 33.3	-0.8	LR	LR
W51A Cleveland	baz=252,SNR=70	23.67	59	P	P	06 31 33.4	-0.9	LR	LR
C09A Chrisman Ranch	comp=Z,128nm,1.0s	23.68	345	eP	P	06 31 32.3	-2.0	LR	LR
C09A	comp=Z,15um,20.0s								
TGUH Tegucigalpa,Un	comp=Z,34um,21.0s	23.70	113	PFAKE	LR	06 31 50.0	+15	LR	LR
TGUH	comp=Z,39nm,0.8s								
WCI Wyandotte Cave	comp=Z,44um,18.0s	23.70	51	eP	P	06 31 34.1	-0.5	LR	LR
WCI	comp=Z,98nm,0.9s								
WCI Wyandotte Cave	baz=243	23.70	51	eP	P	06 31 34.1	-0.5	LR	LR
WCI	comp=Z,2um,21.0s								
WCI Wyandotte Cave	baz=243	23.70	51	P	P	06 31 34.2	-0.5	LR	LR
LON Longmire	comp=Z,534nm,1.0s	23.71	339	eP	P	06 31 33.4	-1.2	LR	LR
LON	comp=Z,28um,22.0s								
LON Longmire	baz=261,SNR=22	23.71	339	eP	P	06 31 33.4	-1.2	LR	LR
DGMT Dagmar	comp=Z,530nm,1.0s	23.73	9	eP	P	06 31 33.5	-1.3	LR	LR
DGMT	comp=Z,534nm,1.1s								
DGMT Dagmar	comp=Z,30um,18.0s	23.73	9	P	P	06 31 33.4	-1.3	LR	LR
O45A Potomac	baz=237	23.74	45	P	P	06 31 33.6	-1.4	LR	LR
TIGA Tifton	comp=Z,22um,18.0s	23.75	69	PFAKE	LR	06 31 50.0	+15	LR	LR
TIGA	comp=Z,22um,18.0s								
TIGA Tifton	baz=261,SNR=22	23.75	69	P	P	06 31 34.2	-0.9	LR	LR
P46A Rosedale	baz=192,SNR=8.2	23.75	47	P	P	06 31 33.7	-1.3	LR	LR
153A Fort Valley	baz=258,SNR=14	23.76	66	P	P	06 31 34.5	-0.8	LR	LR
T49A Edmonton	comp=Z,109nm,1.1s	23.77	54	eP	P	06 31 34.5	-0.8	LR	LR
T49A	comp=Z,21um,20.0s								
T49A Edmonton	baz=246,SNR=38	23.77	54	P	P	06 31 34.8	-0.5	LR	LR
N44A Pipe City	baz=235,SNR=26	23.79	44	P	P	06 31 33.6	-1.8	LR	LR
E04D Cinebar	baz=150,SNR=36	23.80	337	P	P	06 31 34.6	-0.8	LR	LR
Liberty	comp=Z,80nm,0.9s	23.81	341	eP	P	06 31 34.1	-1.5	LR	LR
LTY	comp=Z,21um,18.0s								
655A Horshoe Bea	baz=266,SNR=6.3	23.81	73	P	P	06 31 34.6	-1.1	LR	LR
I39A Houston	comp=Z,182nm,1.0s	23.84	34	eP	P	06 31 34.8	-1.0	LR	LR
I39A Houston	baz=266,SNR=38	23.84	34	P	P	06 31 34.9	-1.0	LR	LR
Y52A Lilburn	comp=Z,70nm,1.1s	23.85	63	eP	P	06 31 34.9	-1.2	LR	LR
Y52A	comp=Z,32um,20.0s								
Y52A Lilburn	baz=255,SNR=41	23.85	63	P	P	06 31 35.0	-1.2	LR	LR
JFWS Jewell Farm	comp=Z,155nm,0.9s	23.86	37	eP	P	06 31 36.1	0.0	LR	LR
JFWS	comp=Z,6um,22.0s								
JFWS Jewell Farm	comp=Z,160nm,0.9s	23.86	37	eP	P	06 31 36.1	0.0	LR	LR
JFWS	comp=Z,22um,21.0s								
JFWS Jewell Farm	baz=228,SNR=13	23.86	37	P	P	06 31 34.4	-1.6	LR	LR
NEW Newport	comp=Z,175nm,1.0s, baz=163,slow=11,SNR=178	23.88	348	P	P	06 31 34.5	-1.7	LR	LR
NEW	comp=Z,3.1nm,0.8s, baz=90,slow=6.1,SNR=1.7								
NEW Newport	comp=Z,12um,18.2s, baz=172,slow=38	23.88	348	eP	P	06 31 34.6	-1.6	LR	LR
NEW	comp=Z,528nm,1.1s								
NEW Newport	comp=Z,18um,21.0s	23.88	348	eP	P	06 31 34.6	-1.6	LR	LR
NEW	comp=Z,530nm,1.1s								
NEW Newport	baz=163,SNR=224	23.88	348	P	P	06 31 34.7	-1.6	LR	LR
J40A Soldiers Grove	baz=225,SNR=10	23.92	36	P	P	06 31 36.1	-0.6	LR	LR
Q47A Bedford North L	baz=242,SNR=8.4	23.94	49	P	P	06 31 35.9	-1.0	LR	LR
BLO Bloomington	comp=Z,60nm,0.9s	23.99	49	eP	P	06 31 37.0	-0.3	LR	LR
BLO	comp=Z,28um,19.0s								
BLO Bloomington	comp=Z,60nm,0.9s	23.99	49	eP	P	06 31 37.0	-0.3	LR	LR
BLO	comp=Z,60nm,0.9s								
ETW Entiat	comp=Z,29um,20.0s	24.03	342	eP	P	06 31 36.7	-1.1	LR	LR
U50A Jamestown	baz=249,SNR=22	24.03	56	P	P	06 31 36.6	-1.2	LR	LR
CSGN Cosiguina Voic	comp=Z,116um,19.0s	24.04	116	PFAKE	LR	06 31 50.0	+12	LR	LR
CSGN	comp=Z,18um,19.0s								
MDND Maddock	comp=Z,693nm,1.1s	24.06	17	eP	P	06 31 36.8	-1.1	LR	LR
MDND	comp=Z,19um,19.0s								
MDND Maddock	baz=203,SNR=49	24.06	17	P	P	06 31 36.2	-1.7	LR	LR
H38A Maiden Rock	baz=221	24.07	31	P	P	06 31 36.8	-1.3	LR	LR
R48A Northridge Ran	baz=243	24.08	51	P	P	06 31 37.5	-0.7	LR	LR
254A Abbeville	baz=260,SNR=18	24.08	68	P	P	06 31 37.0	-1.3	LR	LR
Z53A Monticello	baz=257,SNR=37	24.11	64	P	P	06 31 37.3	-1.2	LR	LR
555									

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like I42A, M46A, M46A, 256A, Z55A, H41A, H41A, V53A, V53A, DWPF, DWPF, 457A, N47A, P49A, 059Z, S51A, S51A, S51A, 858A, PNT, O48A, G40A, G40A, 357A, 658A, 658A, 758A, AGMN, AGMN, Q50A, L46A, 059A, F39A, I43A, T52A, R51A, M47A, 156A, A04D, U53A, A05A, S52A, N48A, 859A, 959A, H42A, H42A, E38A, E38A, 062Z, 061Z, 061Z, PGC, O49A, O49A, O49A, G41A, 257A, 257A, F40A, P50A, Q51A, Q51A, E39A, 060Z, H43A, H43A, H43A, L47A, K46A, 060A, 060A, M48A, M48A, M48A, KMSC.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like KMSC, KMSC, R52A, J45A, F41A, F41A, G42A, G42A, N49A, N49A, O50A, E40A, P51A, P51A, P51A, COWI, COWI, L48A, J46A, K47A, G43A, G43A, M49A, NHSC, NHSC, Q52A, OZB, ACSSO, ACSSO, F42A, EYMN, EYMN, E41A, N50A, O51A, ESPN, ESPN, LLLB, LLLB, J47A, P52A, L49A, ULM, ULM, ULM, ULM, ULM, ULM, M50A, M50A, K48A, AAM, AAM, AAM, F43A, E42A, D41A, D41A, N51A, N51A, BLA, BLA, BLA, O52A, O52A, JTS, JTS, JTS, JTS, JTS.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like P53A, P53A, E43A, E43A, M51A, C40A, C40A, F44A, GLMI, GLMI, F45A, HDC, HDC, E44A, E44A, F46A, E45A, MCWV, MCWV, PRVC, CNNC, CNNC, N54A, N54A, ALLY, ALLY, M54A, M54A, ERPA, ERPA, R58B, O56A, O56A, FFC, FFC, FFC, CBN, CBN, CBN, BBB, MTJD, MTJD, SSPA, SSPA, SDMD, SDMD, PADS, PADS, MMNY, MMNY, SADO, SADO, SADO, SADO, MVL, MVL, PAYG, PAYG, PSUB, PSUB, N59A, N59A, LUPA, LUPA, KSPA, KSPA, BCIP, BCIP, BINY, BINY, BINY, DIB.

8d 6h

FDF	comp=Z,82nm,1.0s	LR	LR		
FDF	comp=Z,6um,22.0s	eP	P		
FDF	Fort de France	46.50	93	pmax	06 34 51.5 +1.1
WRH	comp=Z,82nm,1.0s	eP	P		
WRH	Wood River Hill	46.56	338		06 34 49.8 -0.3
CCB	comp=Z,91nm,1.0s	LR	LR		
CCB	Clear Creek Bu	46.57	338		06 34 49.4 -0.8
CCB	comp=Z,88nm,1.0s	LR	LR		
COLA	comp=Z,9um,20.0s	eP	P		
COLA	College	46.73	339		06 34 51.4 -0.1
COLA	comp=Z,117nm,0.9s	LR	LR		
COLA	College	46.73	339		06 34 51.4 -0.1
COLA	comp=Z,11um,18.0s	LR	LR		
COLA	College	46.73	339	pmax	06 34 51.4 -0.1
BWN	comp=Z,120nm,1.0s	eP	P		
BWN	Browne	46.84	337		06 34 52.3 -0.1
BWN	Belmont	46.84	337		06 34 52.3 -0.1
BWN	comp=Z,267nm,1.0s	LR	LR		
BWN	Browne	46.84	337		06 34 52.3 -0.1
DRLN	comp=Z,8um,19.0s	eP	P		
DRLN	Deer Lake	46.89	45		06 34 52.9 0.0
DRLN	comp=Z,196nm,1.1s	LR	LR		
DRLN	Deer Lake	46.89	45		06 34 52.9 0.0
MDM	comp=Z,32um,20.0s	eP	P		
MDM	Murphy Dome	46.91	339		06 34 52.2 -0.7
MDM	comp=Z,67nm,0.9s	LR	LR		
MDM	Murphy Dome	46.91	339		06 34 52.2 -0.7
CHGN	comp=Z,10um,18.0s	eP	P		
CHGN	Chignik	46.92	325	PFAKE	06 35 00.0 +7.0
CHGN	comp=Z,4um,19.0s	LR	LR		
CHGN	Chignik	46.92	325		06 35 00.0 +7.0
SVB	comp=Z,4um,19.0s	eP	P		
SVB	Sisters	46.94	95		06 34 49.7 -4.1
GRSS	comp=Z,4um,19.0s	eP	P		
GRSS	Sisters	46.98	97		06 34 53.8 -0.3
GRHS	comp=Z,4um,19.0s	eP	P		
GRHS	Sauteurs	46.98	97		06 34 52.8 -1.3
KTH	comp=Z,4um,19.0s	eP	P		
KTH	Kantishna Hill	47.00	336	PFAKE	06 35 10.0 +1.6
GRGR	comp=Z,5um,21.0s	eP	P		
GRGR	Grenville	47.01	97	PFAKE	06 35 10.0 +1.6
GRGR	comp=Z,6um,22.0s	eP	P		
GRGR	Grenville	47.01	97		06 34 50.9 -3.4
FRB	comp=Z,26nm,1.2s,baz=208,slow=8.1,SNR=3.5	eP	P		
FRB	Frobisher Bay	47.02	24		06 34 52.0 -1.7
SVCV	comp=Z,26nm,1.2s,baz=208,slow=8.1,SNR=3.5	eP	P		
SVCV	St. Vincent C.	47.04	95		06 34 52.6 -2.0
FYU	comp=Z,281nm,1.0s	eP	P		
FYU	Fort Yukon	47.06	341		06 34 54.2 +0.3
FYU	comp=Z,281nm,1.0s	LR	LR		
FYU	Fort Yukon	47.06	341		06 34 54.2 +0.3
PPLA	comp=Z,8um,18.0s	eP	P		
PPLA	Purkeypile	47.10	335		06 34 54.4 -0.2
PPLA	comp=Z,335nm,1.0s	LR	LR		
PPLA	Purkeypile	47.10	335		06 34 54.4 -0.2
BPAW	comp=Z,5um,18.0s	eP	P		
BPAW	Bear Paw Mtn.	47.34	337		06 34 55.5 -0.8
BPAW	comp=Z,179nm,0.9s	LR	LR		
BPAW	Bear Paw Mtn.	47.34	337		06 34 55.5 -0.8
CAST	comp=Z,6um,18.0s	eP	P		
CAST	Castle Rocks	47.35	336		06 34 55.6 -0.8
CAST	comp=Z,115nm,0.8s	LR	LR		
CAST	Castle Rocks	47.35	336		06 34 55.6 -0.8
SVW2	comp=Z,5um,22.0s	eP	P		
SVW2	Sparrevohn	47.56	332		06 34 57.1 -1.0
SVW2	comp=Z,146nm,1.0s	LR	LR		
SVW2	Sparrevohn	47.56	332		06 34 57.1 -1.0
SDPT	comp=Z,4um,18.0s	eP	P		
SDPT	Sand Point	47.70	323	PFAKE	06 35 10.0 +1.1
SDPT	comp=Z,3um,18.0s	LR	LR		
SDPT	Sand Point	47.70	323		06 35 10.0 +1.1
MLY	comp=Z,157nm,0.9s	eP	P		
MLY	Manley	47.80	338		06 34 59.6 -0.3
MLY	comp=Z,157nm,0.9s	LR	LR		
MLY	Manley	47.80	338		06 34 59.6 -0.3
BBGH	comp=Z,6um,18.0s	eP	P		
BBGH	Gun Hill	48.52	95	PFAKE	06 35 20.0 +1.4
BBGH	comp=Z,12um,22.0s	LR	LR		
BBGH	Gun Hill	48.52	95		06 35 00.1 -5.9
NNA	comp=Z,48um,13.5s	eP	P		
NNA	Nana	48.78	135		06 35 06.9 -1.1
NNA	comp=Z,32nm,1.2s,baz=284,slow=12,SNR=2.5	LR	LR		
NNA	Nana	48.78	135		06 35 10.0 +2.1
NNA	comp=Z,3um,20.0s	eP	P		
NNA	Nana	48.78	135		06 35 11.7 +3.7
NNA	comp=Z,48um,13.5s	iP	P		
NNA	Nana	48.78	135		06 35 09.1 +0.3
COLD	comp=Z,184nm,1.1s	LR	LR		
COLD	Coldfoot	48.97	340		06 35 09.1 +0.3
COLD	comp=Z,8um,20.0s	LR	LR		
COLD	Coldfoot	48.97	340		06 35 09.1 +0.3
IM3	comp=Z,8um,20.0s	eP	P		
IM3	Indian Mountai	49.38	338		06 35 10.1 -1.8
TOLK	comp=Z,295nm,0.9s	eP	P		
TOLK	Toolik Lake Re	49.69	342		06 35 14.3 +0.1
TOLK	comp=Z,295nm,0.9s	LR	LR		
TOLK	Toolik Lake Re	49.69	342		06 35 14.3 +0.1
TOLK	comp=Z,4um,21.0s	eP	P		
TOLK	Toolik Lake Re	49.69	342		06 35 13.7 -0.6
TOLK	comp=Z,4um,21.0s	eP	P		
TOLK	Toolik Lake Re	49.69	342		06 35 13.7 -0.6
RES	comp=Z,5um,21.0s	eP	P		
RES	Resolute Bay	50.24	5		06 35 17.3 -1.0
RES	comp=Z,7nm,1.1s,baz=207,slow=12,SNR=5.2	S	S		
RES	Resolute Bay	50.24	5		06 42 24.8 -4.7
RES	comp=Z,8.9nm,0.8s,baz=202,slow=9.1,SNR=1.8	eP	P		
RES	Resolute Bay	50.24	5		06 35 17.4 -0.9
RES	comp=Z,193nm,1.0s	eS	S		
RES	Resolute Bay	50.24	5		06 42 24.8 -4.7
RES	comp=Z,16um,18.0s	eP	P		
RES	Resolute Bay	50.24	5		06 35 17.4 -0.9
RES	comp=Z,180nm,1.0s	eP	P		
RES	Resolute Bay	50.24	5		06 35 17.4 -0.9
XMAS	comp=Z,18um,19.0s	eP	P		
XMAS	Xmas	51.45	251	PFAKE	06 35 40.0 +1.2
RPN	comp=Z,18um,19.0s	eP	P		
RPN	Rapa Nui	51.91	180		06 52 22.4
RPN	comp=Z,6um,20.0s,baz=8.0,slow=30	eP	P		
RPN	Rapa Nui	51.91	180	PFAKE	06 35 40.0 +8.6
RPN	comp=Z,7um,19.0s	LR	LR		
RPN	Rapa Nui	51.91	180		06 35 40.0 +8.6
ANM	comp=Z,242nm,1.1s	LR	LR		
ANM	Anme	53.08	333		06 35 43.6 +3.9
ANM	comp=Z,5um,18.0s	LR	LR		
ANM	Anme	53.08	333		06 35 43.6 +3.9
ANM	comp=Z,5um,18.0s	eP	P		
ANM	Anme	53.08	333		06 35 43.6 +3.9
RDOG	comp=Z,240nm,1.1s	eP	P		
RDOG	Red Dog Mine	53.52	338		06 35 42.7 -0.2
RDOG	comp=Z,371nm,0.9s	LR	LR		
RDOG	Red Dog Mine	53.52	338		06 35 42.7 -0.2
PTCN	comp=Z,4um,20.0s	eP	P		
PTCN	Pitcairn Islan	53.66	203	PFAKE	06 36 00.0 +1.6
PTCN	comp=Z,5um,20.0s	LR	LR		
PTCN	Pitcairn Islan	53.66	203		06 36 00.0 +1.6
RKT	comp=Z,3um,30.2s	eS	S		
RKT	Rikitea	53.86	209		06 43 27.5 +7.1
RKT	comp=Z,5um,28.8s	eLQ	LQ		
RKT	Rikitea	53.86	209		06 49 14.4
RKT	comp=Z,2um,23.8s,baz=28	eLR	LQ		
RKT	Rikitea	53.86	209		06 51 30.4
RKT	comp=Z,2.3nm,0.3s	eT	T		
RKT	Rikitea	53.86	209		07 31 46.7
PTGA	comp=Z,14nm,0.8s,baz=310,slow=8.6,SNR=24	eP	P		
PTGA	Pitinga	54.43	110		06 35 49.2 -1.1
PTGA	comp=Z,59nm,0.9s	eP	P		
PTGA	Pitinga	54.43	110		06 35 49.5 -0.8
PTGA	comp=Z,4um,21.0s	LR	LR		
PTGA	Pitinga	54.43	110		06 35 49.5 -0.8
VAH	comp=Z,102nm,1.1s	eP	P		
VAH	Vaihoo	54.59	227		06 35 56.0 +4.7
PMOR	comp=Z,92nm,1.1s	eP	P		
PMOR	Pomarioiree R	54.59	227		06 35 56.2 +4.8
PMOR	comp=Z,92nm,1.1s	LR	LR		
PMOR	Pomarioiree R	54.59	227		06 35 56.2 +4.8
IVI	comp=Z,82nm,1.0s	eP	P		
IVI	Ivigtut	54.63	31	PFAKE	06 36 00.0 +8.9
IVI	comp=Z,10um,21.0s	LR	LR		
IVI	Ivigtut	54.63	31		06 36 00.0 +8.9
SFJD	comp=Z,28nm,1.1s,baz=269,slow=10,SNR=2.0	eP	P		
SFJD	Kangerlussuaq	55.16	24		06 35 53.2 -1.5
SFJD	comp=Z,28nm,1.1s,baz=269,slow=10,SNR=2.0	eP	P		
SFJD	Kangerlussuaq	55.16	24		06 35 53.2 -1.5
SFJD	comp=Z,15um,18.0s	iP	P		
SFJD	Kangerlussuaq	55.16	24		06 35 58.3 +3.5
SFJD	comp=Z,248nm,1.4s	LR	LR		
SFJD	Kangerlussuaq	55.16	24		06 35 58.3 +3.5
SFJD	comp=Z,14um,11.0s	eP	P		
SFJD	Kangerlussuaq	55.16	24		06 35 57.4 +2.6
SFJD	comp=Z,75nm,1.1s	eP	P		
SFJD	Thule	55.20	11	PFAKE	06 36 10.0 +1.5
TULEG	comp=Z,18um,20.0s	LR	LR		
TULEG	Thule	55.20	11		06 36 10.0 +1.5
GAMB	comp=Z,82nm,1.0s	eP	P		
GAMB	Gambell	55.50	332	PFAKE	06 36 10.0 +1.3

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GAMB	comp=Z,6um,20.0s	LR	LR		
ILULI	Ilulissat	55.74	22	PFAKE	06 36 10.0 +1.1
ILULI	comp=Z,8um,19.0s	iP	P		
ILULI	Ilulissat	55.74	22		06 36 04.0 +5.1
ILULI	comp=Z,286nm,1.1s	iP	P		
ILULI	Ilulissat	55.74	22		06 36 04.0 +5.1
ILULI	comp=Z,290nm,1.1s	pmax	pmax		
ILULI	Ilulissat	55.74	22		06 36 04.0 +5.1
ILULI	comp=Z,20um,13.0s	MLR	MLR		
NRS	Narsarsuaq	55.93	32	PFAKE	06 36 10.0 +1.0
NRS	comp=Z,12um,19.0s	LR	LR		
JOHN	Johnston Islan	56.21	274		06 36 02.5 -0.6
JOHN	comp=Z,89nm,1.1s	eP	P		
JOHN	Johnston Islan	56.21	274		06 36 02.5 -0.6
KULLO	comp=Z,8um,21.0s	iP	P		
KULLO	Kullorsuaq	56.33	15		06 36 05.1 +2.0
KULLO	comp=Z,295nm,1.1s	iP	P		
KULLO	Kullorsuaq	56.33	15		06 36 05.1 +2.0
KULLO	comp=Z,1				

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MCH1, LBWR, ARAD, ARCES, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like PESTR, HFS, MESJ, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like CLL, COLM, SENIN, etc.

8d 6h

Table with columns for station codes (e.g., JAVS, PERS, INU), names (e.g., Javornik, Pernice, Inuyama), and various numerical data points including coordinates and time offsets.

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Table with columns for station codes (e.g., INCN, TJN, TIP), names (e.g., Taejon, Timpagrande, Celeste), and various numerical data points including coordinates and time offsets.

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Table with columns for station codes (e.g., TOC2, TOC4, TOC3), names (e.g., Torodi Ar. Sit, Torodi Ar. Sit), and various numerical data points including coordinates and time offsets.

Table with columns for station code, name, time, and various status indicators. Includes stations like LZH, TWG, SHLS, UZB, MDOK, QZH, FRU1, DZA, CAN, CHM, SBA, ENH, NRN, QSPA, KSH, CD2, DAU, GEYT, FAKI, VNA3, STKA, SNA, NTAI, SAUI, KBL, WR0, WR9, WR8, WR7, WB0, WR6, KMI, WR5, WB8.

Table with columns for station code, name, time, and various status indicators. Includes stations like WB8, WR4, WB6, WB5, WR3, WB4, WC2, WB3, WR2, WRAB, WB2, WC1, WR1, WRA, WRA, WRA, WC4, NIL, MTN, QIZ, QIZ, QIZ, LSA, AS31, ASAR, ASAR, ASAR, DHRM, BBOO, SMLA, LUWU, DDI, SHL, RAYN, RAYN, NONG, SOEI, MMRI, NAZ, CHTO, UOSS, HATD, CMAR, CMAR, BOK, FORT, UTHA, TSUM, BHP, BHJ, BHW, DAMY, NGP, MBAR, MBWA, ATD, JAGI, MIR, BOM, PPO, HYB, MAW, MAW, PBA, SMRI, NWA, LSZ.

Table with columns for station code, name, time, and various status indicators. Includes stations like LSZ, GOA, KMBO, CISI, LHMI, CMBY, PSI, MDRS, MNAI, TRD, PALK, HMDM, ABPO, ISCJB, NEIC, ECX, GCPB, MBIG, DREC, WESC, YUH, RMX, ECXB, IKP, SWSC, GLA, GLA, GLA, ZAX, CBX, MONP, TJIG, ECN, BAR, PBX, 109C, CPE, Y12C, Y12C, Y12C, PFO, MURC, BESP, SCPH, PLP, MSLP, DDB, DDA, ISC, YER, MSLB, AYDN, TURN, DALY, TAVA, DAV, DAT, GCAM, GOLH, DGB.

DGB iS Sg 06 36 45.5 -1.2

ISCJB 08 06:43:49.6:0.6, 34.96N:0.05:139.92E:0.07, h94km, 4km, mb4.0/2, Error ellipse: s-maj=11.0km s-min=6.3km az=148.1

JMA 08 06:43:49.9:0.2, 34.96N:139.90E, h88km, 2km, M3.1 Broadband fault plane solution: P waves. NP1: 0.242, 0.0000, 0.82, 0.0000, 1.15, 0.0000. NP2: 0.242, 0.0000, 0.82, 0.0000, 1.15, 0.0000. Principal axes: T P1: 47.0000, Az=78.0000, N P1: 25.0000, Az=58.0000, P P1: 32.0000, Az=31.0000.

ISC 08 06:43:50.6:1.0, 34.98N:0.05:139.90E:0.06, h86km, 6km, n24, 0.69/26, 5C-3D, Near south coast of eastern Honshu

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

JMA 08 07:04:58.9:0.2, 37.60N:144.51E, h44km, M3.6, Off east coast of Honshu

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

ISC 08 07:09:25.2:4.3, 16.27Sx172.51W, h0km, mb3.7/3, mb1 4.1/3, mb1mx3.7/2, mbtmp3.7/3, Error ellipse: s-maj=307.8km s-min=32.2km az=150.0, Samoa Islands region

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

ISC 08 07:12:47.3:6.1, 38.105N:73.21E, h106km, 50km, mb3.7/5, mb1 3.7/9, mb1mx3.3/45, mbtmp4.0/9, Error ellipse: s-maj=45.9km s-min=27.0km az=22.0

ISCJB 08 07:12:51.9:0.9, 38.43N:0.07:73.23E:0.09, h150km, mb3.8/5, Error ellipse: s-maj=10.1km s-min=9.1km az=30.2

NNC 08 07:12:53.3:1.1, 38.49N:73.08E, h141km, 7km, mb2.5, mpv3.4, Error ellipse: s-maj=11.4km s-min=9.2km az=69.0

ISC 08 07:12:51.9:1.3, 38.43N:0.1:73.18E:0.10, h150km, n25, 0.95/28, mb4.1/5, 5C-4D, Tajikistan-Xinjiang border region

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

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, ISC. Lists stations like AB31, BVA0, BVAR, etc.

GUC 08 07:49:03.2:0.7, 21.38S:68.50W, h122km, 5km, ML3.6, 8C-2D, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, ISC. Lists stations like LVC, PB03, PB01, etc.

ISC 08 07:53:07.1:4.8, 24.23N:109.00W, h0km, mb1 3.6/3, mb1mx3.3/45, mbtmp3.1/3, ML3.3/3, Error ellipse: s-maj=74.0km s-min=13.1km az=153.0, Gulf of California

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

ISC 08 08:02:17.2:1.0, 10.69Sx161.99E, h0km, mb3.5/3, mb1 3.8/4, mb1mx3.6/26, mbtmp3.6/4, ML4.2/1, Error ellipse: s-maj=50.4km s-min=31.5km az=139.0, Bougainville-Solomon Islands region

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

MEX 08 08:04:36.8:0.7, 16.31N:98.02W, h5km, MD3.6, Near coast of Guerrero

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

ISC 08 08:14:16.2:1.5, 6.79S:154.59E, h0km, mb3.8/5, mb1.4/7.5, mb1mx3.7/4, mbtmp3.8/5, Error ellipse: s-maj=77.8km s-min=24.8km az=132.0, Bougainville-Solomon Islands region

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

MOS 08 08:15:09.8:0.0, 43.24N:46.41E, h43km, 3km, MPVA3.6, Eastern Caucasus

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

ISC 08 08:25:53.9:0.9, 38.27N:46.52E, h0km, mb4.1/17, mb1 4.1/22, mb1mx4.0/47, mbtmp4.0/22, ML3.3/5, MS3.3/1, Ms1 3.2/1, ms1mx2.7/4, Error ellipse: s-maj=20.5km s-min=11.1km az=11.0

THR 08 08:25:54.0, 38.44N:46.62E, h4km, ML4.1 NNC 08 08:26:02.2:3.8, 38.92N:47.03E, h0km, mb4.2, mpv4.4, Error ellipse: s-maj=48.7km s-min=22.2km az=33.0

DDA 08 08:26:35.4, 38.41N:46.20E, h8km, M3.8 ISC 08 08:25:56.6:0.8, 38.43N:0.02:46.64E:0.02, h9km, 5km, iran-Armenia-Azerbaijan border region

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

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

ISK 08 10:49:05.2, 40.58N, 35.20E, h5km, ML3.5/5
ISC/JB 08 10:49:06.0, 40.57N, 35.20E, 0.03, h5km, 5km,
Error ellipse: s-maj=4.3km s-min=3.5km az=148.7

DDA 08 10:49:06.1, 40.54N, 35.22E, h7km, ML3.5
ISC 08 10:49:06.1, 40.56N, 35.20E, 0.03, h9km, 11km,
n30, c0.63/39, Turkey

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

PGC 08 10:52:40.2, 0.5120N, 131.16W, h10km, MLn2.9/23,
Mw3.5/23, Mw3.5/23, 232km Sze of Sandsip, Be Haida
Gwaii Region, Queen Charlotte Islands region

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

ISC 08 10:53:43.5, 48.0, 16.82S, 175.05W, h0km, mb3.9/3,
mb1 4.0/3, mb1mx3.6/38, mbtmpp3.9/3, Error ellipse:
s-maj=905.2km s-min=178.6km az=79.0, Tonga Islands

STKA Stephens Creek 41.96 241 P P 11 01 37.0 +0.7
WRA Warramunga Arr 47.99 258 P P 11 02 23.6 -0.9
ASAR Alice Springs 48.17 253 P P 11 02 25.9 -0.1
NIED 08 10:58:00, 30.70N, 142.00E, h5km, Mw4.4 Best double
couple: M4.16000x1015 NP1.0s191.00000, 810.00000,
1.109.00000, NP2.0s352.00000, 880.00000, 1.87.00000,
1.109.00000, NP2.0s352.00000, 880.00000, 1.87.00000,
IDC 08 10:58:02, 4.0, 6.0, 30.58N, 141.66E, h0km, mb4.0/15,
mb1 4.2/17, mb1mx4.0/42, mbtmpp4.0/17, ML3.7/2, MS3.4/7,
Ms1 3.4/7, ms1mx3.1/41, Error ellipse: s-maj=2.4km
s-min=1.4, 7km az=81.9

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

ISC/JB 08 10:58:03, 9.0, 3.0, 63N, 142.01E, h23km, m66,
e1548/72, mb4.3/21, MS5.4/4, Southeast of Honshu
NEIC 08 10:58:03.9, 2.1, 30.58N, 141.77E, h1km, 13km, mb4.6/8,
Error ellipse: s-maj=7.2km s-min=4.4km az=73.0
JMA 08 10:58:05.3, 0.1, 30.27N, 142.01E, h124km, M3.5
ISC 08 10:58:05.2, 0.5, 30.56N, 142.01E, h23km, m66,
e1548/72, mb4.3/21, MS5.4/4, Southeast of Honshu
Code Station Name Az Az' Phase ID Op ISC Time Res h m s ISC

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

NIED 08 11:03:00, 36.10N, 140.10E, h65km, Mw4.2 Best double
couple: M2.51000x1015 NP1.0s187.00000, 828.00000,
1.68.00000, NP2.0s31.00000, 864.00000, 1.01.00000,
ISC/JB 08 11:03:58, 0.4, 36.09N, 140.10E, 0.05, h74km, 2km,
mb3.9/16, Error ellipse: s-maj=6.2km s-min=5.6km
az=160.3
JMA 08 11:03:59, 7.0, 1.36, 11N, 140.10E, h62km, 1km, M3.9
Broadband fault plane solution: P waves. NP1:

0.45.00000, 880.00000, 1.90.00000, NP2.0s225.00000,
810.00000, 1.90.00000, Principal axes: T P1655.0000,
Az315.0000, N P160.0000, Azm45.0000, P
P1655.0000, Azm135.0000,
JMA Felt III J1,
IDC 08 11:04:01.0, 1.7, 36.10N, 139.98E, h85km, 15km, mb3.7/16,
mb1 3.9/19, mb1mx3.8/41, mbtmpp4.0/19, MS3.2/2,
Ms1 3.2/2, ms1mx2.6/46 Error ellipse: s-maj=16.4km
s-min=12.8km az=91.0
ISC 08 11:05:58, 8.0, 7.36, 07N, 150.05E, h0km, 15km, 6km,
n50, h1545/55, mb4.0/16, AD, Near east coast of eastern
Gonoshu

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

IDC 08 11:43:29, 7.0, 3.4, 50S, 129.10E, h0km, mb5.9/38,
mb1 5.9/41, mb1mx5.9/42, mbtmpp5.9/41, ML3.3/2, MS5.6/30,
Ms1 5.6/30, ms1mx5.5/40, Error ellipse: s-maj=12.6km
s-min=8.2km az=57.0
NEIC 08 11:43:31, 4.0, 1.4, 47S, 129.13E, h10km, mb6.3/179,
ME6.6, MS6.0/299, MW6.1, MW6.3, MW6.1, Error ellipse:
s-maj=3.2km s-min=2.7km az=55.0, Moment Tensor
Solution: s25 Moment tensor: Scale 10^18Nm; Mr1.52;
Mr2.07; Mr3.07; Mr4.05; Mr5.05; Mr6.05; Mr7.05; Mr8.05;
Mr9.05; Mr10.05; Mr11.05; Mr12.05; Mr13.05; Mr14.05;
Mr15.05; Mr16.05; Mr17.05; Mr18.05; Mr19.05; Mr20.05;
Mr21.05; Mr22.05; Mr23.05; Mr24.05; Mr25.05; Mr26.05;
Mr27.05; Mr28.05; Mr29.05; Mr30.05; Mr31.05; Mr32.05;
Mr33.05; Mr34.05; Mr35.05; Mr36.05; Mr37.05; Mr38.05;
Mr39.05; Mr40.05; Mr41.05; Mr42.05; Mr43.05; Mr44.05;
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Mr804.05; Mr805.05; Mr806.05; Mr807.05; Mr808.05;
Mr809.05; Mr810.05; Mr811.05; Mr812.05; Mr813.05;
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Mr889.05; Mr890.05; Mr891.05; Mr892.05; Mr893.05;
Mr894.05; Mr895.05; Mr896.05; Mr897.05; Mr898.05;
Mr899.05; Mr900.05; Mr901.05; Mr902.05; Mr903.05;
Mr904.05; Mr905.05; Mr906.05; Mr907.05; Mr908.05;
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Mr1014.05; Mr1015.05; Mr1016.05; Mr1017.05; Mr1018.05;
Mr1019.05; Mr1020.05; Mr1021.05; Mr1022.05; Mr1023.05;
Mr1024.05; Mr1025.05; Mr1026.05; Mr1027.05; Mr1028.05;
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Mr1109.05; Mr1110.05; Mr1111.05; Mr1112.05; Mr1113.05;
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Mr1124.05; Mr1125.05; Mr1126.05; Mr1127.05; Mr1128.05;
Mr1129.05; Mr1130.05; Mr1131.05; Mr1132.05; Mr1133.05;
Mr1134.05; Mr1135.05; Mr1136.05; Mr1137.05; Mr1138.05;
Mr1139.05; Mr1140.05; Mr1141.05; Mr1142.

M2.37700x10¹⁸ NP1.0:114.00000, δ50.00000, λ81.00000, NP2.0:308.00000, δ41.00000, λ100.00000.
 Principal axes: T 2.3090, Plg82.0000, Azm334.0000; P 0.1370, Plg7.0000, Azm120.0000; S -2.4440, Plg5.0000, Azm211.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function
 DJA 08 11:43:35.9, 0.3, 4 S: 1.12 9E: 1.35 km³/km, M6.3/114, mb5.9/114, mB6.107, MLV6.2/22, Mw(mB)6.3/107, Mw(p)2.54
 NEIC 08 11:43:35.0, 0.0, 4.44S: 129.47E, h11km, Moment Tensor Solution, s27 Moment tensor: Scale 10¹⁸Nm; Mr:2.82; Mw:1.03; Mo:0.80; Mo:0.34; Mw:0.96; Mo:0.57; Best double couple: M2.00000, 1018 NP1.0:138.00000, δ55.00000, λ97.00000, NP2.0:305.00000, δ36.00000, λ80.00000, Principal axes: T 1.9500, Plg78.0000, Azm74.0000; N 0.0300, Plg5.0000, Azm313.0000; P -1.9800, Plg9.0000, Azm222.0000;
 NEIC 08 11:43:44.6, 0.0, 4.67S: 129.02E, h21km, Moment Tensor Solution, s92 Moment tensor: Scale 10¹⁸Nm; Mr:2.74; Mw:1.84; Mo:0.91; Mo:0.57; Mw:1.25; Mo:1.03; Best double couple: M3.00000, 1018 NP1.0:315.00000, δ56.00000, λ101.00000, NP2.0:116.00000, δ35.00000, λ74.00000, Principal axes: T 3.0000, Plg76.0000, Azm258.0000; N -0.1200, Plg9.0000, Azm128.0000; P -2.9000, Plg11.0000, Azm37.0000
 ISC 08 11:43:34.1, 0.3, 4.54S: 129.24E, 0.03, h30km, 2km, h30km; pP-P, n2157, c1956/2020, mb6.2/309, MS6.0/658, 80C-28D, Banda Sea

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
BNDI	Bandanaira	0.67	88	Op	11 43 46.0	-0.4
BNDI	Bandanaira	0.67	88	Sb	11 43 55.2	+1.1
AAI	Amban	1.34	309	P	11 43 58.4	-0.2
AAI	Amban	1.34	309	Sb	11 44 16.4	+1.0
FAKI	Fak Fak	3.41	62	P	11 44 24.5	+0.9
FAKI	Fak Fak	3.41	62	Sb	11 45 03.3	-1.6
FAKI	Fak Fak	3.41	62	Op	11 44 24.7	+0.7
SAUI	Saumlaki	3.99	149	P	11 44 35.3	+2.0
SAUI	Saumlaki	3.99	149	Sb	11 45 21.8	+2.7
SAUI	Saumlaki	3.99	149	ePn	11 44 35.7	+2.4
SANI	Sanana	4.08	307	P	11 44 35.4	+0.9
SANI	Sanana	4.08	307	Sb	11 45 24.8	+3.5
SUIJ	Sorong	4.17	29	Pn	11 44 34.2	-1.7
SUIJ	474nm, 0.3s, baz=210, slow=1.5, SNR=279			Sb	11 45 22.9	-0.8
SUIJ	533nm, 0.3s, baz=254, slow=13, SNR=9.5			LR	11 46 10.2	
SWI	Sorong	4.18	29	P	11 44 35.1	-0.8
SWI	Sorong	4.18	29	Sb	11 45 23.8	+0.1
LBMI	Labuha	4.52	336	P	11 44 38.8	+2.0
LBMI	Labuha	4.52	336	Sb	11 45 26.5	+1.0
TNTI	Ternate	5.60	340	P	11 44 57.0	+1.6
TNTI	1um, 0.9s, 20um85um5.8nm			Pn	11 44 55.0	-0.4
TNTI	1um, 0.9s, 20um85um5.8nm			ePn	11 44 56.6	-1.3
RKPI	Ransiki, Papua	5.78	59	P	11 45 12.4	+2.9
RKPI	1um, 0.8s, 94um307um6.5nm			Pn	11 45 12.4	+2.9
KDI	Kendari	6.62	275	P	11 45 12.4	+2.9
KDI	425nm, 1.0s, 25um189um6.5nm			Pn	11 45 14.2	+3.5
BBSI	Bau Bau	6.71	262	P	11 45 19.2	+2.3
BBSI	254nm, 1.6s, 7um3.1nm			Pn	11 45 19.2	+2.3
SOEI	Soe	7.15	223	P	11 45 18.5	+1.6
SOEI	3um, 1.2s, 53um35um14nm			Pn	11 45 21.7	+2.8
SOEI	Soe	7.15	223	ePn	11 45 19.7	+0.5
KMSI	Cibinong	7.31	314	P	11 45 19.7	+0.5
KMSI	3um, 1.0s, 39um134um7.2nm			Pn	11 45 19.7	+0.5
LUWI	Luwuk	7.33	298	ePn	11 45 20.8	-0.5
LUWI	5um, 1.7s, 92um100um16nm			Pn	11 45 28.3	+1.4
SRPI	Serui, Papua	7.48	289	P	11 45 27.5	+0.6
SRPI	273nm, 0.3s, baz=103, slow=1.1, SNR=42			Pn	11 45 32.1	+2.9
BATI	Baunata	7.89	224	Pn	11 45 31.0	+1.8
BATI	2um, 1.1s, 38um53um9.2nm			Pn	11 45 34.8	+1.0
MMRI	Maumere	8.05	239	Pn	11 45 34.4	-0.4
MMRI	2um, 1.1s, 38um53um9.2nm			Pn	11 45 33.4	-1.0
MMRI	Maumere	8.05	239	ePn	11 45 39.4	+2.9
MMRI	2um, 1.1s, 38um53um9.2nm			Pn	11 45 35.5	-2.5
MTN	Manton Dam	8.46	167	P	11 45 40.6	+0.6
MTN	baz=8.5, SNR=45			Pn	11 45 43.3	+3.2
EDFI	Ende, Flores	8.58	240	P	11 45 47.4	+3.8
EDFI	1um, 1.2s, 24um230um5.3nm			Pn	11 45 46.1	+2.4
KDU	Kakadu	8.70	159	P	11 45 51.7	+3.3
KDU	baz=8.7, SNR=233			Pn	11 45 53.5	+4.3
MRSI	Marisa	8.83	304	P	11 45 57.0	+3.0
MRSI	1um, 1.3s, 15um34um4.3nm			Pn	11 46 02.7	+3.7
BBSI	Bau Bau, Buton	8.85	259	P	11 46 05.3	+2.4
BBSI	24nm, 0.9s			Pn	11 46 07.2	-3.4
SGSI	Sangihe	8.97	336	P	11 46 10.7	+0.7
SGSI	1um, 0.8s, 16um89um4.1nm			Pn	11 46 08.7	-2.9
BNSI	Bone	9.10	271	P	11 46 17.5	-0.1
BNSI	385nm, 1.9s, 15um120um			Pn	11 52 32.5	
BKSI	Bulukumba	9.11	265	P	11 46 20.3	-0.1
BKSI	366nm, 0.9s, 16um87um			LR	11 46 20.3	-0.1
SPSI	Sidrap Palu	9.46	273	P	11 46 28.3	+3.0
SPSI	265nm, 1.2s, 14um52um			Pn	11 46 25.7	+2.7
TTSI	Tana Toraja	9.51	279	P	11 46 27.3	+3.7
TTSI	306nm, 0.9s, 16um87um			Pn	11 46 05.3	+2.4
PCI	Palu	10.06	291	P	11 46 07.2	-3.4
PCI	2um, 1.1s, 31um63um			Pn	11 46 05.3	+2.4
WSI	Waingapu	10.23	240	P	11 46 07.2	-3.4
WSI	3um, 0.9s, 104um			Pn	11 46 07.2	-3.4
MPSI	Mapaga	10.51	297	P	11 46 07.2	-3.4
MPSI	323nm, 2.5s, 8um38um			Pn	11 46 07.2	-3.4
KNRA	Kunururra	11.08	182	P	11 46 18.0	-0.1
KNRA	baz=11, SNR=355			Pn	11 46 18.0	-0.1
GENI	Genyng	11.08	80	P	11 46 18.0	-0.1
DDMP	Don Marcelino	11.14	342	eP	11 46 18.0	-0.1
JAY	Jayapura	11.62	80	P	11 46 18.0	-0.1
JAY	1um, 1.2s, 50um65um			Pn	11 46 18.0	-0.1
JAY	Jayapura	11.62	80	Pn	11 46 18.0	-0.1
JAY	0.6nm, 0.3s, baz=235, slow=10, SNR=15			LR	11 52 32.5	
JAY	comp=Z, 33um, 20.0s, baz=277, slow=46			LR	11 52 32.5	
MATI	Mati	11.79	345	eP	11 46 20.3	-0.1
SKMP	Bangmayan, Su	11.94	237	eP	11 46 20.3	-0.1
DAY	Dayao Cay (W)	12.10	342	iP	11 46 20.3	-0.1
PLAI	Plampang	12.15	249	P	11 46 20.3	-0.1
PLAI	2um, 1.8s, 28um103um			Pn	11 46 20.3	-0.1
SMKI	Samarinda	12.68	288	P	11 46 20.3	-0.1
BKB	Balikpapan	12.74	284	P	11 46 20.3	-0.1
TWSI	Taliwang, Sumb	12.96	251	P	11 46 20.3	-0.1
TWSI	685nm, 1.0s, 20um79um			Pn	11 46 20.3	-0.1
BKPK	Musan	13.02	341	eP	11 46 20.3	-0.1
KBKI	Kotabaru	13.10	275	P	11 46 20.3	-0.1
PAGZ	Pagadian	13.62	335	eP	11 46 20.3	-0.1
CGP	Cagayan de Oro	13.68	341	eP	11 46 20.3	-0.1
BUTP	Butuan	13.93	345	eP	11 46 20.3	-0.1
FITZ	Fitzroy Crossi	13.93	194	P	11 46 20.3	-0.1
FITZ	baz=14, SNR=34			Pn	11 46 20.3	-0.1
FITZ	Fitzroy Crossi	13.93	194	Pn	11 46 20.3	-0.1
FITZ	6.4nm, 0.3s, baz=29, slow=11, SNR=11			Sb	11 46 20.3	-0.1
FITZ	3.6nm, 0.3s, baz=143, slow=7.8, SNR=3.6			LR	11 52 42.9	
FITZ	comp=Z, 52um, 19.6s, baz=20, slow=40			LR	11 52 42.9	
FITZ	Fitzroy Crossi	13.93	194	ePn	11 46 49.9	+0.3
FITZ	Fitzroy Crossi	13.93	194	eSn	11 46 49.9	+0.3
SRBI	Singaraja	14.37	255	P	11 46 49.9	+0.3
DNP	Denpasar	14.52	283	P	11 46 49.9	+0.3
IGBI	Denpasar	14.62	252	P	11 46 49.9	+0.3
MNSL	Maasin	15.22	343	eP	11 46 49.9	+0.3
KMMI	Kaliangret	15.39	260	P	11 46 49.9	+0.3
KMMI	632nm, 0.8s, 7um			Pn	11 46 49.9	+0.3
JAGI	Jajag, Banyuw	15.48	255	P	11 46 49.9	+0.3
JAGI	2um, 1.8s, 40um77um			Pn	11 46 49.9	+0.3
JAGI	Jajag, Banyuw	15.48	255	ePn	11 46 49.9	+0.3
JAGI	2um, 1.2s			Pn	11 46 49.9	+0.3
LLP	Lapu-Lapu	15.66	340	eP	11 46 49.9	+0.3
BLJI	Banyuwilung	15.87	258	P	11 46 49.9	+0.3
WRAB	Tennant Creek	16.09	162	iP	11 46 49.9	+0.3
WRAB	Tennant Creek	16.09	162	iP	11 46 49.9	+0.3
WRAB	comp=Z, 2um, 1.7s			Pn	11 46 49.9	+0.3
WRAB	Warramunga Arr	16.10	162	ePn	11 46 49.9	+0.3
WR1	Warramunga Arr	16.10	162	ePn	11 46 49.9	+0.3
WR1	comp=Z, 1um, 1.1s			Pn	11 46 49.9	+0.3

WR1	Warramunga Arr	16.10	162	eSn	11 50 15.7	-0.4
WR1	Warramunga Arr	16.10	162	Pn	11 47 14.0	-4.4
WR1	comp=Z, 3.7nm, 0.3s, baz=330, slow=12, SNR=55			Sb	11 50 15.7	-0.4
WRA	comp=Z, 2.2nm, 0.3s, baz=340, slow=12, SNR=3.6			LR	11 54 08.4	
WRA	comp=Z, 64um, 18.0s, baz=335, slow=40			LR	11 47 12.0	-6.4
WRA	Warramunga Arr	16.10	162	iP	11 47 11.7	-6.8
WRA	comp=Z, 2.54nm, 1.0s			Pmax	11 47 11.7	-6.8
WB2	Warramunga Arr	16.10	162	ePn	11 47 13.2	-8.3
WB2	Warramunga Arr	16.10	162	P	11 47 22.6	+0.8
GMJ1	Gumukmas	16.12	256	P	11 47 19.1	-0.3
GMJ1	comp=Z, 2.808nm, 1.6s, comp=Z, 3.1um, comp=Z, 9.7um			Pn	11 47 18.5	-4.5
PLP	Palu	16.46	336	eP	11 47 22.2	-3.0
GUM	Gumukmas	16.63	125	P	11 47 21.7	-3.5
COEN	Coen	16.63	125	P	11 47 31.2	+1.5
COEN	baz=17, SNR=154			Pn	11 47 32.9	-0.1
GRJ1	Gresik	16.84	261	P	11 47 35.8	+0.5
GRJ1	comp=Z, 921nm, 1.2s, comp=Z, 2.0um, comp=Z, 2.8um			Pn	11 47 38.6	+2.1
RCP	Roxas	17.25	338	eP	11 47 35.8	+0.5
CUYO	Cuyo Island	17.34	332	eP	11 47 40.8	+2.9
TUBU	Tambak Boyo	17.45	262	P	11 47 45.9	+0.3
TUBU	comp=Z, 2um, 2.1s, comp=Z, 2.94um, comp=Z, 122um			Pn	11 47 45.9	+0.3
BATP	Batara	17.48	319	eP	11 47 45.9	+0.3
CNP	Cataram	17.54	345	eP	11 47 40.8	+2.9
PBKI	Pangkalan Bun	17.62	275	P	11 47 40.8	+2.9
PBKI	comp=Z, 1um, 1.2s, comp=Z, 3.7um			Pn	11 47 40.2	+1.3
PWJ1	Pagerwojo	17.67	258	P	11 47 44.4	+2.9
PWJ1	comp=Z, 555nm, 1.4s, comp=Z, 2.30um, comp=Z, 9.7um			Pn	11 47 48.4	+2.9
NGJ1	Ngawi	17.90	260	P	11 47 45.9	+0.3
OTRP	Onongan	18.26	337	eP	11 47 45.9	+0.3
MANU	Manus Island	18.27	63	eP	11 47 46.6	+0.5
PCJ1	Pacitan	18.31	258	P	11 47 47.5	+1.7
PCJ1	comp=Z, 657nm, 1.6s, comp=Z, 2.8um, comp=Z, 8.1um			Pn	11 47 47.5	+1.7
STKI	Stabat	18.32	254	eP	11 47 47.5	+1.7
PMG	Port Moresby	18.43	106	P	11 47 47.8	+0.2
PMG	Port Moresby	18.43	106	eP	11 47 47.8	+0.2
PMG	Port Moresby	18.43	106	ePn	11 47 47.8	+0.2
PMG	Port Moresby	18.43	106	Pmax	11 47 47.8	+0.2
PVCP	Pucapuc	18.71	344	eP	11 47 51.6	+0.7
SJMP	San Jose	18.72	335	eP	11 47 50.0	-0.5
BUSP	Coron	18.73	331	eP	11 47 52.0	-0.8
QIS	Mout Isa	18.85	149	P	11 47 50.9	-1.0
SMRI	Samarang	18.86	262	P	11 47 55.1	+2.3
SMRI	comp=Z, 1um, 2.1s, comp=Z, 106um, comp=Z, 155um			Pn	11 47 52.3	+0.2</

NVAR	Mina Array Bea	110.36	51	Pdiff	Pdif	11 58 05.5	+2.3
NVAR	comp=Z,1.3nm,0.8s,baz=260,slow=7.1,SNR=5.7						
NVAR	comp=Z,3.3nm,0.8s,baz=248,slow=2.6,SNR=9.7						
NVAR	comp=Z,1.4nm,0.8s,baz=118,slow=3.6,SNR=6.7						
KVN	Kaiserville	110.39	50	PFAKE	LR	12 02	20.0
NKC	Novy Kostel	110.42	322	ePDIFF	Pdif	11 58 03.4	+0.5
NKC	comp=Z,2.3nm,19.4s						
NKC	Novy Kostel	110.42	322	eP	Pdif	11 58 03.4	+0.5
NKC	comp=Z,3.3nm,19.4s						
NV11	Mina Array Sit	110.47	51	PFAKE	LR	12 02	20.0
NV11	comp=Z,300nm,18.0s						
OSI	Osito Audit: C	110.67	55	PFAKE	LR	12 02	20.0
OSI	comp=Z,7.7nm,22.0s						
ISA	Isabella, Lake	110.71	54	PFAKE	LR	12 02	20.0
ISA	comp=Z,4.4nm,21.0s						
MYKA	Terra Mystica	110.72	318	PKIKP	PKIKP	12 02 03.9	+0.5
MYKA	comp=Z,4.9nm,1.4s						
CUC	Castroccucco	110.78	311	PFAKE	LR	12 02	20.0
CUC	comp=Z,1.1nm,21.0s						
BMN	Battle Mountai	110.78	48	PFAKE	LR	12 02	20.0
BMN	comp=Z,4.4nm,20.0s						
KBA	Koelnbreinsper	110.79	319	ePKIKP	PKIKP	12 02 05.2	+0.6
KBA	comp=Z,1.3nm,1.1s						
WALA	Waterton Lakes	110.82	39	PFAKE	LR	12 02	20.0
WALA	comp=Z,4.4nm,20.0s						
TRI	Trieste	110.89	317	PFAKE	LR	12 02	20.0
TRI	comp=Z,2.1nm,21.0s						
CWC	Cottonwood Cre	110.89	53	P	PKIKP	12 02 05.3	+0.2
CWC	comp=Z,2.2nm,20.0s						
JTMT	Jette	110.98	40	PFAKE	LR	12 02	20.0
JTMT	comp=Z,2.2nm,20.0s						
DECO	Green Verdugo	111.05	55	P	PKIKP	12 02 05.6	+0.3
DECO	comp=Z,2.7nm,20.0s						
CEL	Celeste	111.07	309	PFAKE	LR	12 02	20.0
CEL	comp=Z,600nm,20.0s						
SCI2	Sari Clemente I	111.07	56	P	PKIKP	12 02 05.7	+0.3
SCI2	comp=Z,2.7nm,20.0s						
CIS	Catalina Islan	111.11	56	P	PKIKP	12 02 06.4	+0.9
CIS	comp=Z,2.7nm,20.0s						
FMP	Fort Macarthur	111.17	56	P	PKIKP	12 02 06.2	+0.7
FMP	comp=Z,2.7nm,20.0s						
PASC	Pasadena Art C	111.18	55	PFAKE	LR	12 02	20.0
PASC	comp=Z,6.0nm,20.0s						
EDW2	Edwards Air Fo	111.22	54	P	PKIKP	12 02 06.7	+1.0
EDW2	comp=Z,2.2nm,21.0s						
MWC	Mount Wilson	111.28	55	PFAKE	LR	12 02	20.0
MWC	comp=Z,6.4nm,22.0s						
DAC	Darwin (Calif)	111.30	53	PFAKE	LR	12 02	20.0
DAC	comp=Z,5.1nm,18.0s						
GRFO	Grafenberg	111.34	322	PFAKE	LR	12 02	20.0
GRFO	comp=Z,2.2nm,21.0s						
GRAC	Grapevine Rang	111.35	52	P	PKIKP	12 02 06.8	+1.0
GRAC	comp=Z,2.1nm,21.0s						
LRMC	Laurel Mtn Rad	111.37	54	P	PKIKP	12 02 07.0	+1.0
LRMC	comp=Z,2.1nm,21.0s						
PRMP	Manual Prospec	111.43	53	P	PKIKP	12 02 07.5	+1.2
PRMP	comp=Z,2.1nm,21.0s						
ABTA	Abfaltersbach	111.43	319	ePKIKP	PKIKP	12 02 05.7	0.0
ABTA	comp=Z,2.5nm,1.3s						
MSO	Missoula	111.47	41	PFAKE	LR	12 02	20.0
MSO	comp=Z,3.1nm,21.0s						
MSO	Missoula	111.47	41	P	PKIKP	12 02 06.0	+0.1
MSO	comp=Z,2.7nm,20.0s						
SCO	Scoresbysund	111.57	350	PFAKE	LR	12 02	20.0
SCO	comp=Z,3.1nm,21.0s						
SCO	Scoresbysund	111.57	350	iP	PP	12 02 48.4	+2.1
SCO	comp=Z,3.1nm,21.0s						
SCO	Scoresbysund	111.57	350	iS	SP	12 12 20.7	+6.5
SCO	comp=Z,4.4nm,24.0s						
BFSO	Mount Baldy Ra	111.60	55	P	PKIKP	12 02 07.0	+0.5
BFSO	comp=Z,2.1nm,21.0s						
SUMG	Summit	111.62	356	PFAKE	LR	12 02	20.0
SUMG	comp=Z,4.4nm,21.0s						
WTTA	Wattenberg	111.85	319	ePKIKP	PKIKP	12 02 07.1	+0.5
WTTA	comp=Z,1.5nm,0.6s						
FURC	Furnace Creek	111.85	53	P	PKIKP	12 02 07.7	+1.0
FURC	comp=Z,2.1nm,21.0s						
WATA	Walderalm	111.86	320	ePKIKP	PKIKP	12 02 07.2	+0.6
WATA	comp=Z,2.9nm,1.2s						
AQU	L'Aquila	112.01	314	PFAKE	LR	12 02	20.0
AQU	comp=Z,3.1nm,22.0s						
RRX	Edison Barstow	112.03	54	P	PKIKP	12 02 08.2	+1.0
RRX	comp=Z,2.1nm,21.0s						
HLID	Hailey	112.07	45	ePdif	Pdif	11 58 12.8	+2.2
HLID	comp=Z,4.4nm,20.0s						
HLID	Hailey	112.07	45	P	PKIKP	12 02 08.0	+0.8
HLID	comp=Z,2.1nm,21.0s						
MURC	Murieta	112.09	56	P	PKIKP	12 02 08.1	+0.8
MURC	comp=Z,2.1nm,21.0s						
GSC	Goldstone, Bar	112.11	54	PFAKE	LR	12 02	20.0
GSC	comp=Z,4.4nm,21.0s						
GSC	Goldstone, Bar	112.11	54	P	PKIKP	12 02 07.9	+0.5
GSC	comp=Z,2.1nm,21.0s						
MOTA	Moosalm	112.17	320	ePKIKP	PKIKP	12 02 06.4	+0.9
MOTA	comp=Z,8.8nm,0.6s						
BBRC	Big Bear Solar	112.20	55	P	PKIKP	12 02 08.4	+0.6
BBRC	comp=Z,2.1nm,21.0s						
TPNV	Topopah Spring	112.24	52	ePdif	Pdif	11 58 13.9	+2.4
TPNV	comp=Z,3.1nm,20.0s						
TPNV	Topopah Spring	112.24	52	eP	Pdif	11 58 13.9	+2.4
TPNV	comp=Z,3.1nm,20.0s						
TPNV	Topopah Spring	112.24	52	P	PKIKP	12 02 08.8	+1.1
TPNV	comp=Z,3.1nm,20.0s						
109C	Camp Elliot, M	112.28	56	P	PKIKP	12 02 08.7	+1.1
109C	comp=Z,2.1nm,21.0s						
CPE	Camp Elliot	112.28	56	PFAKE	LR	12 02	20.0
CPE	comp=Z,4.4nm,20.0s						
RETA	Reutte	112.34	320	ePKIKP	PKIKP	12 02 07.3	+0.1
RETA	comp=Z,0.1nm,0.2s						
SHOC	Shoshone, Teco	112.42	53	P	PKIKP	12 02 08.8	+0.9
SHOC	comp=Z,2.1nm,21.0s						
R11A	Troy Canyon, C	112.46	50	PFAKE	LR	12 02	20.0
R11A	comp=Z,4.4nm,20.0s						
R11A	Troy Canyon, C	112.46	50	P	PKIKP	12 02 05.6	+2.5
R11A	comp=Z,2.1nm,21.0s						
FETA	Feichten	112.51	319	ePKIKP	PKIKP	12 02 08.2	+0.3
FETA	comp=Z,2.2nm,1.2s						
HEC	Hector,Ludlow	112.58	54	P	PKIKP	12 02 08.7	+0.4
HEC	comp=Z,2.1nm,21.0s						
FRD	Ford Ranch, An	112.59	56	P	PKIKP	12 02 08.5	+0.1
FRD	comp=Z,2.1nm,21.0s						
WDD	Wied Dalam	112.61	307	PFAKE	LR	12 02	20.0
WDD	comp=Z,1.1nm,20.0s						
BAR	Barrett	112.67	57	PFAKE	LR	12 02	20.0
BAR	comp=Z,4.4nm,20.0s						
PFO	Pinyon Flats O	112.69	56	PFAKE	LR	12 02	20.0
PFO	comp=Z,5.1nm,22.0s						
PFO	Pinyon Flats O	112.69	56	iPKIKP	PKIKP	12 02 11.0	+2.4
PFO	comp=Z,2.1nm,21.0s						
PFO	Pinyon Flats O	112.69	56	P	PKIKP	12 02 08.4	+0.2
PFO	comp=Z,2.1nm,21.0s						
TUQ	Turquoise Moun	112.79	53	P	PKIKP	12 02 08.8	+0.1
TUQ	comp=Z,2.1nm,21.0s						
DLMT	Dillon	112.80	42	PFAKE	LR	12 02	20.0

DLMT	comp=Z,4.4nm,21.0s						
MONP2	Monument Peak	112.84	56	P	PKIKP	12 02 08.9	+0.1
MONP2	comp=Z,2.1nm,21.0s						
STU	Stuttgart	112.90	322	PFAKE	LR	12 02	20.0
STU	comp=Z,2.2nm,20.0s						
DAVA	Damuels	112.97	320	ePKIKP	PKIKP	12 02 09.1	+0.4
DAVA	comp=Z,1.6nm,0.7s						
BELC	Belle Mtn. Jos	113.00	55	P	PKIKP	12 02 09.8	+0.6
BELC	comp=Z,2.1nm,21.0s						
GMRC	Granite Mounta	113.13	54	P	PKIKP	12 02 09.7	+0.3
GMRC	comp=Z,2.1nm,21.0s						
IKP	Irish-Pah, Jac	113.15	56	P	PKIKP	12 02 09.2	+0.2
IKP	comp=Z,2.1nm,21.0s						
SHPR	Sheep Range	113.19	52	PFAKE	LR	12 02	20.0
SHPR	comp=Z,4.4nm,18.0s						
SWSC	Sam W. Stewart	113.35	56	P	PKIKP	12 02 10.6	+0.9
SWSC	comp=Z,2.1nm,21.0s						
BOZ	Bozeman (W)	113.38	42	PFAKE	LR	12 02	20.0
BOZ	comp=Z,4.4nm,20.0s						
BOZ	Bozeman (W)	113.38	42	P	PKIKP	12 02 10.5	+0.9
BOZ	comp=Z,2.1nm,21.0s						
BC3	Big Chuckawall	113.51	55	P	PKIKP	12 02 10.7	+0.6
BC3	comp=Z,2.1nm,21.0s						
LDFC	Landfair	113.52	54	PFAKE	LR	12 02	20.0
LDFC	comp=Z,5.1nm,21.0s						
TUE	Stuetta	113.59	319	PFAKE	LR	12 02	20.0
TUE	comp=Z,3.1nm,20.0s						
BFO	Black Forest	113.59	321	PFAKE	LR	12 02	20.0
BFO	comp=Z,2.1nm,21.0s						
BFO	Black Forest	113.59	321	iPKIKP	PKIKP	12 02 12.3	+2.6
BFO							

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SMCO	Snowmass	118.71	47	ePKPdf	PKPdf	12 02 21.8	+1.4	EYMN	Ely	124.48	32	ePKPdf	PKPdf	12 02 31.3	+0.6	comp=Z,2jum,20.0s	I41A	Arkdale	127.75	35	ePKPdf	PKPdf	12 02 37.8	+0.7					
N23A	Red Feather La	118.87	45	ePKPdf	PKPdf	12 02 21.9	+1.5	EYMN	Ely	124.48	32	ePKPdf	PKPdf	12 02 30.7	0.0	comp=Z,5jum,22.0s	I41A	Arkdale	127.75	35	P	PKPdf	12 02 36.3	-0.8					
N23A	Red Feather La	118.87	45	P	PKPdf	12 02 20.8	+0.3	ES19	SONSECA Array	125.16	316	ePKPdf	PKPdf	12 02 31.9	-0.4	Ark=308,SNR=12	K40A	Coleburg	127.81	37	P	PKPdf	12 02 36.5	-0.6					
RSSD	Black Hills	118.94	41	ePKPdf	PKPdf	12 02 19.9	-0.5	F37A	Hinrichs Farm,	125.19	35	P	PKPdf	12 02 32.0	0.0	baz=306,SNR=9.1	G42A	Mountain	127.82	33	ePKPdf	PKPdf	12 02 37.9	+0.7					
RSSD	Black Hills	118.94	41	ePKIKP	PKPdf	12 02 19.9	-0.5	ESDC	Sonsec Array	125.22	316	PKP	PKPdf	12 02 32.1	-0.3	comp=Z,5jum,22.0s	G42A	Mountain	127.82	33	P	PKPdf	12 02 36.7	-0.4					
RSSD	Black Hills	118.94	41	P	PKPdf	12 02 20.3	-0.1	ESLA	The Farm, Brul	125.26	33	ePKPdf	PKPdf	12 02 32.8	+0.6	baz=310	E43A	Lone Tree Farm	127.84	31	ePKPdf	PKPdf	12 02 37.2	+0.1					
CTEI	Djebel Teioual	118.95	309	P	PKPdf	12 02 21.1	+0.6	E38A	The Farm, Brul	125.26	33	ePKPdf	PKPdf	12 02 32.1	-0.1	comp=Z,2jum,20.0s	E43A	Lone Tree Farm	127.84	31	P	PKPdf	12 02 37.2	+0.1					
PHWY	Pilot Hill	119.07	45	ePKPdf	PKPdf	12 02 20.9	+0.1	E38A	The Farm, Brul	125.26	33	P	PKPdf	12 02 32.1	-0.1	baz=312	M39A	Webster	127.86	39	P	PKPdf	12 02 36.8	-0.5					
PHWY	Pilot Hill	119.07	45	P	PKPdf	12 02 20.9	+0.1	SP1M	Marine on St.	125.37	35	ePKPdf	PKPdf	12 02 33.1	+0.6	comp=Z,3jum,20.0s	N39A	Derby Farms, D	127.98	40	P	PKPdf	12 02 37.2	-0.4					
319A	Douglas	119.08	57	ePKPdf	PKPdf	12 02 22.1	+1.1	SP1M	Marine on St.	125.37	35	P	PKPdf	12 02 32.5	+0.1	baz=304,SNR=16	CEU	Ceuta	127.90	313	ePP	PP	12 04 01.6	-3.8					
319A	Douglas	119.08	57	P	PKPdf	12 02 22.1	+1.1	SP1M	Marine on St.	125.37	35	P	PKPdf	12 02 32.5	+0.1	comp=Z,3jum,21.0s	N39A	Derby Farms, D	127.98	40	ePKPdf	PKPdf	12 02 37.2	-0.4					
DFRA	Djebel Bou Off	119.21	310	P	PKPdf	12 02 22.9	+1.9	SP1M	Marine on St.	125.37	35	P	PKPdf	12 02 32.5	+0.1	baz=303,SNR=14	N39A	Derby Farms, D	127.98	40	P	PKPdf	12 02 37.2	-0.4					
S22A	4UR Ranch, Cre	119.28	49	ePKPdf	PKPdf	12 02 22.5	+1.1	F38A	Pierce - Schro	125.47	34	P	PKPdf	12 02 32.9	+0.3	comp=Z,4jum,21.0s	N39A	Derby Farms, D	127.98	40	P	PKPdf	12 02 37.2	-0.4					
S22A	4UR Ranch, Cre	119.28	49	P	PKPdf	12 02 22.5	+1.1	PAB	San Pablo	125.54	317	ePKPdf	PKPdf	12 02 34.1	+1.1	baz=308,SNR=12	PBAR	Barrancos	128.04	316	ePKPdf	PKPdf	12 02 39.3	+1.6					
MAHO	Mahon	119.33	314	Pdf	Pdf	11 58 43.2	+0.5	PAB	San Pablo	125.54	317	P	PKPdf	12 02 33.6	+0.6	comp=Z,2jum,21.0s	PBAR	Barrancos	128.04	316	ePP	PKPdf	12 04 11.8	+1.3					
MAHO	Mahon	119.33	314	P	PKPdf	12 13 36.8	+5.8	C40A	Isle Royale Na	125.72	31	ePKPdf	PKPdf	12 02 33.6	+0.6	baz=308,SNR=12	PCAS	Casmilo, Conde	128.07	319	ePKPdf	PKPdf	12 02 39.5	+1.7					
ISCO	Idaho Springs	119.49	46	ePKPdf	PKPdf	12 02 22.8	+1.1	C40A	Isle Royale Na	125.72	31	P	PKPdf	12 02 32.9	-0.1	comp=Z,3jum,21.0s	PCAS	Casmilo, Conde	128.07	319	ePP	PKPdf	12 04 36.5	-4.2					
ISCO	Idaho Springs	119.49	46	ePKIKP	PKPdf	12 02 22.8	+1.1	K36A	Gilmore City	125.81	39	P	PKPdf	12 02 33.2	-0.1	baz=302	PESTR	Estremoz	128.07	317	ePKPdf	PKPdf	12 02 38.3	+0.5					
ISCO	Idaho Springs	119.49	46	P	PKPdf	12 02 22.4	+0.7	E39A	Mellen	125.95	33	P	PKPdf	12 02 33.5	-0.1	comp=Z,2jum,21.0s	PESTR	Estremoz	128.07	317	ePP	PKPdf	12 04 43.1	+2.6					
SLBS	Sierra La Lagu	119.98	65	ePKPdf	PKPdf	12 02 24.4	+1.6	G38A	Ridgeway	125.95	35	P	PKPdf	12 02 33.3	-0.3	baz=307,SNR=15	J41A	Loganville	128.09	36	P	PKPdf	12 02 36.8	-0.9					
SLBS	Sierra La Lagu	119.98	65	P	PKPdf	12 02 24.4	+1.6	L36A	Harm Buss Farm	125.95	40	P	PKPdf	12 02 33.1	-0.5	comp=Z,5jum,21.0s	F43A	Flat Rock, Esc	128.11	32	P	PKPdf	12 02 37.6	0.0					
MDND	Madcock	120.01	36	ePKPdf	PKPdf	12 02 22.7	+0.6	H38A	Maider Rock	125.99	36	P	PKPdf	12 02 33.0	-0.6	baz=307,SNR=15	L40A	Anamosa	128.12	38	ePKPdf	PKPdf	12 02 37.9	+0.1					
MDND	Madcock	120.01	36	P	PKPdf	12 02 22.7	+0.6	PBRG	Braganca	126.03	320	ePKPdf	PKPdf	12 02 34.8	+0.9	comp=Z,5jum,21.0s	L40A	Anamosa	128.12	38	P	PKPdf	12 02 37.3	-0.5					
MDND	Madcock	120.01	36	P	PKPdf	12 02 22.4	+0.3	PBRG	Braganca	126.03	320	ePP	PKPdf	12 04 28.1	+1.1	baz=303,SNR=28	TUL1	Leonard	128.16	47	ePKPdf	PKPdf	12 02 37.3	-0.8					
121A	Cookes Peak, D	120.03	55	P	PKPdf	12 02 24.0	+1.2	F39A	Loretta	126.03	32	P	PKPdf	12 02 34.7	+0.7	comp=Z,3jum,20.0s	TUL1	Leonard	128.16	47	P	PKPdf	12 02 38.5	+0.4					
LAZ	Ladron	120.05	53	ePKPdf	PKPdf	12 02 23.6	+0.8	KSU1	Kansas State U	126.14	44	ePKPdf	PKPdf	12 02 34.3	+0.2	baz=296	833A	Chaparral WMA,	128.17	57	ePKPdf	PKPdf	12 02 39.9	+1.6					
Q24A	Divide	120.12	47	P	PKPdf	12 02 23.7	+0.7	KSU1	Kansas State U	126.14	44	P	PKPdf	12 02 34.5	+0.4	comp=Z,4jum,19.0s	833A	Chaparral WMA,	128.17	57	P	PKPdf	12 02 39.5	+1.2					
Q24A	Divide	120.12	47	P	PKPdf	12 02 24.0	+1.0	K37A	Belmond	126.24	38	P	PKPdf	12 02 33.7	-0.5	baz=288	SCHO	Schefferville	128.20	12	PKP	PKPdf	12 02 38.2	+0.7					
HOPE	Hope Point	120.18	190	PFAKE	LR	12 02 30.0	+7.8	E40A	Wakfield	126.27	33	P	PKPdf	12 02 34.0	-0.2	comp=Z,18m,1.0s	SCHO	Schefferville	128.20	12	ePKPdf	PKPdf	12 02 39.1	+1.5					
HOPE	Hope Point	120.18	190	P	PKPdf	12 02 30.0	+7.8	E40A	Holcombe	126.27	35	P	PKPdf	12 02 33.8	-0.4	baz=21,slow=4.4,SNR=7.0	G43A	Wallace	128.21	33	ePKPdf	PKPdf	12 02 39.1	+1.3					
LENM	Lenitar	120.25	53	ePKPdf	PKPdf	12 02 25.1	+1.9	MELI	Melilla	126.35	311	ePKP	PKPpre	12 02 10.8		comp=Z,3jum,22.0s	G43A	Wallace	128.21	33	ePKPdf	PKPdf	12 02 39.1	+1.3					
SDCO	Great Sand Dun	120.28	49	ePKPdf	PKPdf	12 02 23.7	+0.4	MELI	Melilla	126.35	311	PP	PP	12 04 25.9	-3.7	baz=308,SNR=25	G43A	Wallace	128.21	33	P	PKPdf	12 02 38.2	+0.4					
SDCO	Great Sand Dun	120.28	49	P	PKPdf	12 02 24.5	+1.2	MELI	Melilla	126.35	311	PP	PP	12 04 25.9	-3.7	comp=Z,4jum,22.0s	G43A	Wallace	128.21	33	P	PKPdf	12 02 38.2	+0.4					
Y22D	IRIS PASCAL I	120.31	53	PFAKE	LR	12 02 40.0	+17	WMOK	Wichita Mounta	126.43	50	ePKIKP	PKPdf	12 02 33.7	-1.1	baz=311	JFWS	Jewell Farm	128.22	36	ePKPdf	PKPdf	12 02 36.3	-1.7					
Y22D	IRIS PASCAL I	120.31	53	P	PKPdf	12 02 24.6	+1.4	WMOK	Wichita Mounta	126.43	50	P	PKPdf	12 02 34.7	-0.1	comp=Z,6jum,22.0s	JFWS	Jewell Farm	128.22	36	ePKIKP	PKPdf	12 02 36.3	-1.7					
ANMO	Albuquerque	120.43	52	ePKPdf	PKPdf	12 02 24.7	+1.1	F40A	Park Falls	126.57	33	P	PKPdf	12 02 34.1	-0.4	comp=Z,6jum,22.0s	JFWS	Jewell Farm	128.22	36	P	PKPdf	12 02 37.1	-0.9					
ANMO	Albuquerque	120.43	52	P	PKPdf	12 02 24.3	+0.8	MVO	Moncorvo	126.54	319	ePKPdf	PKPdf	12 02 36.4	+1.5	baz=308,SNR=18	JFWS	Jewell Farm	128.22	36	P	PKPdf	12 02 37.1	-0.9					
LPM	Los Pinos	120.47	53	ePKPdf	PKPdf	12 02 25.0	+1.3	MVO	Moncorvo	126.54	319	ePP	PP	12 04 35.7	+5.1	comp=Z,2jum,20.0s	E44A	Grand Marais A	128.23	30	PFAKE	LR	12 02 50.0	+1.2					
BNM	Barren Site	120.52	53	ePKPdf	PKPdf	12 02 24.8	+1.0	MVO	Moncorvo	126.54	319	ePP	PP	12 45 24.4		baz=308,SNR=18	E44A	Grand Marais A	128.23	30	P	PKPdf	12 02 50.0	+1.2					
ULM	Lac du Bonnet	120.80	32	PKP	PKPdf	12 02 22.5	-1.0	ABTX	Abilene, Hawle	126.55	52	ePKPdf	PKPdf	12 02 35.0	-0.1	comp=Z,2jum,20.0s	E44A	Grand Marais A	128.23	30	P	PKPdf	12 02 38.0	+0.1					
ULM	Lac du Bonnet	120.80	32	ePKPdf	PKPdf	12 02 23.6	+0.2	ABTX	Abilene, Hawle	126.55	52	P	PKPdf	12 02 35.3	+0.2	baz=313	H42A	Shiocton	128.23	34	PFAKE	LR	12 02 50.0	+1.2					
ULM	Lac du Bonnet	120.80	32	ePKIKP	PKPdf	12 02 23.7	+0.2	ABTX	Abilene, Hawle	126.55	52	P	PKPdf	12 02 35.3	+0.2	comp=Z,5jum,22.0s	H42A	Shiocton	128.23	34	P	PKPdf	12 02 37.1	-0.8					
ULM	Lac du Bonnet	120.80	32	P	PKPdf	12 02 23.7	+0.2	H39A	Auusta	126.57	35	P	PKPdf	12 02 34.1	-0.7	baz=309	H42A	Shiocton	128.23	34	P	PKPdf	12 02 37.1	-0.8					
EPT	El Paso	121.28	55	ePKPdf	PKPdf	12 02 26.9	+1.7	D41A	Chassel	126.58	31	ePKPdf	PKPdf	12 02 35.7	+1.0	comp=Z,3jum,21.0s	PTOM	Tomar	128.24	319	ePKPdf	PKPdf	12 02 39.6	+1.5					
EPT	El Paso	121.28	55	P	PKPdf	12 02 26.9	+1.7	D41A	Chassel	126.58	31	P	PKPdf	12 02 35.7	+1.0	baz=311	PTOM	Tomar	128.24	319	ePP	PKPdf	12 04 39.3	-2.5					
T25A	Trinidad	121.30	49	ePKPdf	PKPdf	12 02 25.9	+0.7	D41A	Chassel	126.58	31	P	PKPdf	12 02 35.1	+0.4	comp=Z,4jum,20.0s	Q38A	Cooks Store, C	128.25	42	P	PKPdf	12 02 37.4	-0.7					
T25A	Trinidad	121.30	49	P	PKPdf	12 02 26.2	+1.0	E41A	Kenton	126.75	32	P	PKPdf	12 02 34.8	-0.2	baz=301	M40A	Post Highland	128.25	39	P	PKPdf	12 02 37.8	-0.4					
OGNE	Ogallala	121.59	44	ePKPdf	PKPdf	12 02 26.2	+0.7	ZAIG	Zacatecas	126.82	65	ePKPdf	PKPdf	12 02 38.2	+2.0	baz=304,SNR=12	K41A	Shullsburg	128.36	37	P	PKPdf	12 02 37.7	-0.5					
OGNE	Ogallala	121.59	44	P	PKPdf	12 02 26.2	+0.7	G40A	Rib Lake	126.83	34	ePKPdf	PKPdf	12 02 35.9	+0.7	comp=Z,3jum,22.0s	I42A	Draeger Farm,	128.40	35	ePKPdf	PKPdf	12 02 38.2	-0.1					
OGNE	Ogallala	121.59	44	P	PKPdf	12 02 25.4	-0.1	G40A	Rib Lake	126.83	34	P	PKPdf	12 02 35.3	0.0	baz=308,SNR=23	I42A	Draeger Farm,	128.40	35	P	PKPdf	12 02 37.9	-0.4					
AGMN	Agassiz Nation	121.90	34	ePKPdf	PKPdf	12 02 25.7	0.0	COWI	Conover	126.89	33	ePKPdf	PKPdf	12 02 36.2	+0.8	comp=Z,5jum,21.0s	F44A	Big Bay de Noc	128.41	31	P	PKPdf	12 02 37.9	-0.3					
AGMN	Agassiz Nation	121.90	34	P	PKPdf	12 02 25.7	0.0	COWI	Conover	126.89	33	P	PKPdf	12 02 36.2	+0.8	baz=312	WHTX	Lake Whitney,	128.50	52	PFAKE	LR	12 02 50.0	+1.1					
AGMN	Agassiz Nation	121.90	34	P	PKPdf	12 02 25.3	-0.4	PCAB	Cabrill	126.89	321	ePKPdf	PKPdf	12 02 36.4	+0.9	comp=Z,3jum,20.0s	WHTX	Lake Whitney,	128.50	52	P	PKPdf	12 02 39.1	+0.3					

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Table with columns: Call Sign, Frequency, Power, Status, Date, Time, and other details. Includes entries like PEL 138.03 155 ePKPpre LR PKPpre LR 12 02 50.7, 252A 138.07 45 P PKPpdf 12 02 56.8 0.0, etc.

Table with columns: Call Sign, Frequency, Power, Status, Date, Time, and other details. Includes entries like 257A 140.65 42 P PKPpdf 12 03 01.7 +0.2, 357A 140.66 44 P PKPpdf 12 03 02.4 +0.9, etc.

Table with columns: Call Sign, Frequency, Power, Status, Date, Time, and other details. Includes entries like BBSR comp=Z,3um,22.0s LR LR, PB11 149.53 143 ePKPpdf PKPpdf 12 03 18.7 +1.4, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SAML Samuel, RCBR Riachuelo, SMRT St. Maarten, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BNDI Bandanaira, AAI Ambon, FAKI Fak Fak, etc.

Code Station Name Az Az' Phase ID Time Res
BNDI Bandanaira 0.64 89 Op Pn 11 56 40.2 +0.2
AAI Ambon 1.50 304 P Pn 11 56 05.2 +0.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BNDI Bandanaira, AAI Ambon, FAKI Fak Fak, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MKAR Makanchi Array, ZALV Zalesovo Beam, ZAA1 Zalesovo Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BNDI Bandanaira, AAI Ambon, FAKI Fak Fak, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BNDI Bandanaira, AAI Ambon, FAKI Fak Fak, etc.

Code Station Name Az Az' Phase ID Time Res
BNDI Bandanaira 0.64 89 Op Pn 11 56 40.2 +0.2
AAI Ambon 1.50 304 P Pn 11 56 05.2 +0.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BNDI Bandanaira, AAI Ambon, FAKI Fak Fak, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CHTO Chiang Mai, KMI Kunming, KMI KMI, etc.

Table with columns: Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like MJAR, KSRS, SONM, MKAR, ZALV.

ISCJB 08 12:18:44.0, 3.44:07N, 01:17:09E, 0.01, h0km, 2km, mb4.3/14, MSS:2/1, Error ellipse: s-maj=2.2km, s-min=1.4km, az=135.3.

Balkan Peninsula

Main table listing station names, coordinates, and various parameters for stations across the Balkan Peninsula.

Main table listing station names, coordinates, and various parameters for stations across the Balkan Peninsula (continued).

Main table listing station names, coordinates, and various parameters for stations across the Balkan Peninsula (continued).

8d 12h

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Collm, Ithomi, Echery, Hinteratfeld, Oris-en-Rattie, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KIV, KBZ, MDT, GNI, PRGR, ARAD, ARCE, ARU, BORG, SVS, BRVK, ZAA1, ZALV, ZALV, MK32, MKGR, DGZ, WMQ, HVS, SONA1, SONA2, SONA3, HHC, BOS, YSS, PDAR, PV10, LTX, LTX, LTX, TXAR, ARG, ARG, ARG, DALY, DALY, DALY, TURN, TURN, TURN, DAT, DAT, YER, YER, FETY, BDRM, MLBS, NIS1, NIS1, NIS1, BODT, BODT, TAVA, AYDN, AYDN, GOLH, GOLH, DNZL, DNZL, ELL, ELL, KARP, KARP, KARP, AYB, SMG, SMG, AYB, SMG, UURL, APE, APE, APE, CHOS, LAST, DYR, SIJU, FITZ, WRA, ASAR, CMAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MKAR, IDC, NEIC, BUI, DJA, ISC, BNDI, AAI, FAKI, SAUI, SAUI, SANI, SIJU, SWI, LBMI, TMTI, TMTI, ROKPI, SKEI, SOEI, KMSI, LUWI, LUWI, LUWI, BMTI, BMTI, MMRI, MMRI, APPI, MTN, MTN, MTN, MTN, MTN, MRSI, SPSI, TTSI, PCI, MPSI, KNRA, FITZ, FITZ, JAGI, WRAB, WRAB, WR1, WR1, WRA, WRA, WRA, WB2, WB2, COEN, COEN, PMG, PMG, QIS, MBWA, AS31, ASAR, ASO1, ASO1, WRKA, CISI, LEM, CTA, CTA, CTA, CTA, RABL, MEEK, FORT, QLP, STKA, STKA, STKA, NWAO, HNR, HNR, HNR, CMSA, PSI, RKGY, SRAK, SKNT, ARMA, NAYO, CHAI, ARPS, YNG, MGCD, CAN, CAN, CAN.

8d 13h

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like MKAR Makanchi Array, ZAAO Zalesovo Array, ZALV Zalesovo Beam, etc.

ISK 08 12:53:52.6, 37.33N, 137.17E, h8km, ML1.8/7
ISCJB 08 12:53:53.0, 36.6, 37.32N, 137.0, 0.03, 37.13E, 0.04, h6km, 5km,
Error ellipse: s-maj=5.7km s-min=3.9km az=136.8

DDA 08 12:53:53.7, 37.33N, 137.11E, h7km, ML2.8
ISC 08 12:53:53.2, 1, 37.32N, 137.0, 0.04, 37.14E, 0.04, h9km, 8km,
n12, 0840/22, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like GAZ Gaziantep, KMRS Kahramanmaraş, KUZU Kuzuzini, etc.

IDC 08 12:54:50.4, 1, 4, 4.45S, 129.18E, h0km, mb4.0/3,
mb1.4/0.4, mb1mx3.6/28, mbtmp3.9/4, ML3.7/2, MS4.0/1,
Ms1.4/0.1, ms1mx3.2/46, Error ellipse: s-maj=39.7km
s-min=29.3km az=83.0, Banda Sea

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

ISCJB 08 13:03:40.9, 1, 3, 34.75S, 0.03, 73.53W, 0.05, h16km, 9km,
mb4.0/7, Error ellipse: s-maj=7.5km s-min=4.6km az=29.8
IDC 08 13:03:40.3, 1, 1, 34.83S, 73.56W, h0km, mb4.1/7,
mb1.4/1.0, mb1mx4.0/28, mbtmp4.0/10, ML3.9/3, MS4.8/3,
Ms1.4/8.3, ms1mx4.2/21, Error ellipse: s-maj=36.9km
s-min=19.7km az=95.0

GUC 08 13:03:41.9, 0.5, 34.85S, 73.41W, h25km, ML4.1
NEIC 08 13:03:41.7, 4.0, 34.65S, 73.64W, h14km, 26km, mb4.2/2,
ML4.2(GUC), Error ellipse: s-maj=17.2km s-min=7.4km
az=91.0

ISC 08 13:03:41.7, 4.0, 34.79S, 0.04, 73.55W, 0.06, h13km, 26km,
n53, r191/66, mb4.0/7, Off coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like GO05 Hualae0, CCSP San Pedro de C, CCHI Chillan, etc.

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Table with columns: VCA, Vinchina, 7.55, 38, eP, Pn, 13 05 31.8, 0.0, 13 05 35.6. Includes stations like GO03 COPIA, TRQA TRONQUET, CHRN Cochrane, etc.

MAW Mawson 72.77 164 P Pn 13 12 33.2 +2.2
VNA1 Neumayer-Stat 49.44 157 P P 13 12 35.7 +2.1

SNA4 Sanae 55.13 158 P P 13 12 47.4 +1.9
QSPA South Pole Qui 55.45 180 P P 13 13 16.8 +1.0

TXAR Lajigas Array 68.32 154 P P 13 14 53.1 +1.0
TXAR comp=Z, 869nm, 20.1s, baz=0.0, slow=33

MAW Mawson 72.77 164 P Pn 13 15 08.7 -0.6
DBIC Dimbokro 76.61 72 P P 13 15 33.5 +1.1

BOSA Boshof 80.80 118 P P 13 15 57.5 +1.9
TORD Torodi Arr. Bea 85.65 71 P P 13 16 19.9 -0.6

TOA1 Torodi Arr. Sit 85.65 71 P P 13 16 19.9 -0.6
MLL Magali 86.45 325 P P 13 16 21.0 -3.0

BBB Bella Bella 98.84 329 LR LR 13 58 39.0
BUI 08 13:10:21.0, 2, 1, 4.92S, 129.67E, h34km, mb4.7/26, mb5.1/16,
Ms4.6/8, Ms7.4/4.8

IDC 08 13:10:21.5, 0.5, 4.54S, 129.29E, h0km, mb4.5/15,
mb1.4/0.19, mb1mx4.4/37, mbtmp4.5/19, ML4.7/3, MS3.9/4,
MS3.9/4, ms1mx3.5/40, Error ellipse: s-maj=21.5km
s-min=11.8km az=71.0

NEIC 08 13:10:23.1, 0.2, 4.47S, 129.33E, h10km, mb4.6/17, Error
ellipse: s-maj=6.7km s-min=5.0km az=71.0
ISCJB 08 13:10:24.0, 4.2, 4.54S, 0.03, 129.33E, 0.03, h3h3km,
mb4.6/36, MS3.9/2, Error ellipse: s-maj=4.6km
s-min=4.3km az=179.1

DJA 08 13:10:25.0, 7.4, 5.3, 12.92E, h13km, 6km, ML4.6/14,
mb4.8/14, mb5.0/5, MLV4.6/10, Mw(MB)4.3/5
ISC 08 13:10:26.0, 4.4, 5.55S, 0.05, 129.33E, 0.06, h35km, n94,
r163/95, mb4.7/36, 1, C, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like BNDI Bandanaira, AAI Ambon, FAKI Fak Fak, etc.

RWI Ransiki 4.57 88 P Pn 13 11 27.4 +0.4
SANI Sana 4.16 38 P Pn 13 11 27.4 +0.3

SUII Sorong 4.13 28 P Pn 13 11 25.9 -0.1
SIJI 20nm, 0.3s, baz=274, slow=23, SNR=8.9 LR 13 13 48.8

SWPI Sorong 4.13 28 P Pn 13 11 27.4 +0.4
SANI Sana 4.16 38 P Pn 13 11 27.4 +0.3

RKI Ransiki 4.57 88 P Pn 13 11 27.4 +0.5
SOEI Soe 7.21 224 P Pn 13 12 12.9 +3.4

SOEI Soe 7.21 224 P Pn 13 12 12.9 +3.4
LWU1 Luwuk 7.42 298 P Pn 13 12 13.5 +1.3

LWU1 Luwuk 7.42 298 P Pn 13 12 13.5 +1.3
BATI Bauma 7.95 225 P Pn 13 12 18.8 -0.8

BATI Bauma 7.95 225 P Pn 13 12 18.8 -0.8
BATI comp=Z, 1um, 20.5s, baz=32, slow=37 LR 13 15 17.0

MMRI Maumere 19.13 240 eP Pn 13 12 23.8 +1.8
MTN Mantion Dam 8.44 168 eP Pn 13 12 26.6 +0.4

APSI Ampanga 8.48 295 P Pn 13 12 28.9 +2.1
MRFI Ende, Flores 8.66 241 P Pn 13 12 36.8 +7.4

EDSI Marisa 8.91 304 P Pn 13 12 32.2 -0.5
GKSI Bulukumba 9.21 265 P Pn 13 12 40.4 +3.6

WSI Wangapu 10.31 265 P Pn 13 12 42.1 +1.1
FITZ Fitzroy Crossi 13.95 195 Pn Pn 13 13 37.8 -3.8

FITZ Fitzroy Crossi 13.95 195 eP Pn 13 13 38.0 -3.6
JAGI Jagaj, Banyuwa 15.58 255 eP Pn 13 14 03.4 -0.1

WRAB Tennant Creek 16.06 163 eP Pn 13 14 04.6 -5.0
WRA Warramunga Arr 16.06 163 Pn Pn 13 14 05.0 -4.7

WB2 Warramunga Arr 16.07 163 eP Pn 13 14 04.8 -5.0
COEN Coen 16.54 125 eP Pn 13 14 13.5 -2.4

PMG Port Moresby 18.34 106 P P 13 14 37.9 0.0
PMG Port Moresby 18.34 106 eP Pn 13 14 38.4 +0.3

MBWA Marble Bar 18.97 209 eP P 13 14 44.2 -0.5
AS31 Alice Springs 19.51 167 eP Pn 13 14 51.1 +0.3

ASAR Alice Springs 19.52 167 P P 13 14 51.5 +0.6
ASAR comp=Z, 2.9nm, 0.3s, baz=347, slow=10, SNR=19 Pcp P 13 19 10.8 0.0

ASOI Alice Springs 19.52 167 eP LR 13 14 51.3 +0.4
LEM Lembang 21.73 263 LR LR 13 23 35.4

CTA Charters Tower 22.59 135 P P 13 15 24.4 +0.4
CTAO Charters Tower 22.59 135 eP P 13 15 24.5 +0.5

Table with columns: KSRS Korea Array, KS01 Wonju Array S1, BJL Beijing, etc. Includes stations like KSRS Korea Array, KS01 Wonju Array S1, BJL Beijing, etc.

KSRS Korea Array 41.80 358 P P 13 18 12.3 -0.6
KS01 Wonju Array S1 41.83 358 eP P 13 18 13.4 +0.5

BJL Beijing 45.99 346I eP Pmax 13 18 45.9 -0.3
LZH Lanzhou 46.94 332 eP P 13 18 54.8 +0.8

LZH Lanzhou 46.94 332 eP P 13 18 54.8 +0.8
LZH comp=Z, 1.18nm, 1.3s pmax 13 19 10.0 +1.4

LZH comp=Z, 65nm, 6.2s LR LR 13 19 06.2 +1.8
LZH comp=N, 220nm, 13.8s LR LR 13 19 10.0 +1.4

LZH comp=E, 220nm, 14.1s LR LR 13 19 10.0 +1.4
LZH comp=Z, 300nm, 16.8s LR LR 13 19 05.2 +3.0

HHC Hu-ho-hao-te 48.02 342 eP Pmax 13 19 05.2 +3.0
HHC comp=Z, 14nm, 0.8s pmax 13 19 03.5 -0.3

CN2 Changchun 48.25 356 eP P 13 19 03.5 -0.3
USAR0 Ussuriysk Arra 48.58 3 eP P 13 19 06.7 +0.6

USAR0 Ussuriysk Arr. 48.58 3 P P 13 19 07.0 +0.6
ASAJ Ashikawa 49.89 12 P P 13 19 18.4 +2.0

GTA Gaotai 51.52 331 eP P 13 19 28.6 -0.3
GTA comp=Z, 5.0nm, 1.0s pmax 13 19 41.3 -2.3

GTA comp=Z, 160nm, 8.6s pmax 13 19 46.0 +2.0
GTA comp=N, 220nm, 15.8s LR LR 13 19 46.0 +2.0

GTA comp=E, 240nm, 15.1s LR LR 13 19 46.0 +2.0
RPZ Rata Peaks 53.58 143 P P 13 19 46.0 +2.0

RPZ Rata Peaks 53.58 143 P P 13 19 46.0 +2.0
SONM Songino Array 55.92 342 P P 13 20 01.2 +0.3

SONA1 Songino Array 55.93 342 eP P 13 20 00.8 -0.2
WMQ Urumqi 60.99 327 P P 13 20 37.6 +1.2

PETK Petropavlovsk- 62.22 19 P P 13 20 45.4 +1.0
CASY Casey 63.01 188 eP P 13 20 49.0 0.0

MK01 Makanchi Array 65.80 327 eP P 13 21 07.2 -0.9
MK31 Makanchi Array 65.82 327 P P 13 21 07.5 -0.8

MKAR Makanchi Array 65.82 327 P P 13 21 08.2 -0.1
MKAR comp=Z, 2.7nm, 0.6s, baz=130, slow=7.6, SNR=34

MKAR Makanchi Array 65.82 327 eP P 13 21 07.5 -0.7
MAKZ Makanchi 66.00 324 eP P 13 21 08.8 -0.6

ZAAO Zalesovo Array 69.10 336 eP P 13 21 27.7 -1.1
ZALV Zalesovo Beam 69.10 334 P P 13 21 28.4 -0.4

ZALV Zalesovo Beam 69.10 334 eP P 13 21 27.8 -0.9
KURK Kurchatov 70.09 328 eP P 13 21 34.6 -0.3

VNDA Vanda 74.95 173 P P 13 22 03.4 0.0
VNDA comp=Z, 0.8s, baz=314, slow=7.6, SNR=9.6

VNDA Vanda 74.95 173 eP P 13 22 03.1 -0.3
TIXI Tiksi 76.05 360 eP P 13 22 09.6 -0.1

ABKAR Akbulak Array 80.19 322 eP P 13 22 32.6 -0.5
ARU ARU 83.28 328 eP P 13 22 49.0 -0.3

RAYN Ar Rayn 86.15 294 eP P 13 23 02.8 -1.8
CCB Clear Creek Bu 91.05 25 eP P 13 23 26.1 -0.6

ILAR Eielson Array 91.42 25 P P 13 23 27.4 -1.2
PAX Paxson 91.83 27 eP P 13 23 30.3 -0.3

CPUP Villa Florida 148.63 168 PKPbc PKPbc 13 30 10.7 +0.2
LPAZ Villa Florida 148.63 168 PKPbc PKPbc 13 30 22.4 +0.4

IDC 08 13:18:21.7, 1, 8, 8.97S, 115.50E, h0km, mb3.9/5,
mb1.4/2.7, mb1mx3.8/36, mbtmp4.1/7, ML4.1/2, Error
ellipse: s-maj=79.6km s-min=18.8km az=51.0

DJA 08 13:18:27.0, 4.0, 8.66S, 0.07, 116.15E, 0.04, h35km,
mb3.9/5, Error ellipse: s-maj=11.4km s-min=4.2km
az=22.3

NEIC 08 13:18:29.4, 1.1, 8.66S, 116.10E, h48km, 15km, mb4.2/7,
Error ellipse: s-maj=22.0km s-min=7.7km az=213.0
ISC 08 13:18:28.4, 0.7, 8.54S, 0.09, 116.15E, 0.06, h35km, n30,
r143/34, mb4.0/6, Sumbawa region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like TWSI Taliwang, DNP Denpasar, IGBI Denpasar, etc.

ISCJB 08 13:24:08.1, 0.8, 38.03N, 0.05, 2.53E, 0.05, h10km, Error
ellipse: s-maj=7.2km s-min=4.5km az=146.7
MDD 08 13:24:09.6, 1.6, 37.98N, 2.51E, h0km, mLQ2.4/13, Error
ellipse: s-maj=15.8km s-min=8.0km az=140.0, PRXIMO

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Table with columns: Jm, Jm, USRK, BSO1, ASAJ, SONM, MKAR, KURBB, WRA, ASAR. Includes station names, coordinates, and various parameters.

SJA 08 16:47:20.2-0.7, 23:07S:66:74W, h228km, 6km, ML3.3, MW3.5

ISCJB 08 16:47:21.4-0.5, 23:13S:0:04-66:83W, 0:04, h216km, 5km, mb3.3/1, Error ellipse: s-maj=7.7km s-min=4.8km az=24.1

ISC 08 16:47:21.9-0.8, 23:12S:0:06-66:81W, 0:04, h210km, 7km, n29, e1509/43, 8C-12, IUP Province

Main station list table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC, H, m, s, ISC. Lists various stations like Humahuaca, Yavi, Zapla, etc.

MEX 08 16:54:19.2-0.6, 21:43N:92:17W, h74km, 10km, MD3.8, Near coast of Chiapas

GUC 08 17:42:01.2-0.6, 23:34S:68:12W, h174km, 7km, ML4.0, 7C-12, Northern Chile

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC, H, m, s, ISC. Lists stations like IPOC Station P, IPOC Station P, etc.

IDC 08 17:46:19.1-0.4, 31:78N:78:46E, h0km, mb4.7/34, mb1.4/37, mb1mx4.7/48, mbmp4.7/37, ML4.3/3, MS3.6/20, Ms1.3.6/20, ms1mx3.4/38, Error ellipse: s-maj=11.8km s-min=8.9km az=29.0

ML4.6/4, Ms4.1/21, Ms7.3/919, ISCJB 08 17:46:21.0-0.7, 31:86N:0:02-78:54E, 0:02, h222km, 6km, mb4.7/104, MS3.6/20, Error ellipse: s-maj=3.5km s-min=2.3km az=42.2

NEIC 08 17:46:20.7-0.2, 31:83N:78:44E, h10km, mb4.9/16, Error ellipse: s-maj=6.9km s-min=4.9km az=204.0

ISC 08 17:46:22.3-0.6, 31:84N:0:03-78:49E, 0:03, h19km, 2km, h20km, p-P, n331, e1866/366, mb4.8/113, MS3.7/21, 25C-22D, Western Xizang-India border region

Main station list table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC, H, m, s, ISC. Lists various stations like Simla, Dehra Dun, Dharamshala, etc.

Main station list table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC, H, m, s, ISC. Lists various stations like MNAS, USP, KK31, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details for stations 399-405.

DDA 09:00:39:50.6, 39:31:33:85E, h7km, ML2.2

ISK 09:00:50:51, 39:35:37:7E, h11km, ML2.11, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details for stations 406-595.

IDC 09:00:58:6.0, 8.35, 44N:27.68E, h0km, mb3.9/19,

mb1.4, 0/29, mb1mx4.0/40, mbmp3.9/29, ML3.5/10,

MS3.4/17, Ms1.3/417, ms1mx3.2/37, Error ellipse:

s-maj=17.9km s-min=11.8km az=8.0

ISK 09:00:40:59.4, 35:31N:27.76E, h4km, ML4.0/23,

ISCJB 09:00:41:00.5, 0.6, 35.18N:0.02, 27.76E, h21km, 5km,

mb4.1/37, MS3.5/11, Error ellipse: s-maj=3.1km

s-min=1.9km az=29.4

NIC 09:00:41:00.1, 0.2, 35:60N:27.52E, h25km, mb4.7, ML4.4

ATH 09:00:41:01.1, 35:37N:27.72E, h21km, 1km, ML3.9/8, Error

ellipse: s-maj=2.1km s-min=1.1km az=326.0

GII 09:00:41:01.2, 0.0, 35:41N:27.86E, h20km

NEIC 09:00:41:01.1, 0.0, 35:37N:27.72E, h21km, mb4.2/12,

ML3.9(TH), ML3.9(ATH), After ATH,

THE 09:00:41:02.4, 35:41N:27.71E, h0km, 1km, ML3.9/10, Error

ellipse: s-maj=2.8km s-min=0.9km az=151.0

HLW 09:00:41:03.9, 35:21N:27.85E, h33km, 25km, M4.0

DDA 09:00:41:28.3, 35:09N:27.80E, h45km, M3.9

ISC 09:00:41:01.8, 0.7, 35:30N:0.03, 27.69E, h19km, 2km,

n296, s194/17, mb4.1/37, MS3.4/11, 14C-4D,

Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details for stations 806-975.

Main table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details for stations 2012 OCT.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details for stations 9d 0h.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like Keskin Array B, Makanchi Array, FINESS Array B, etc.

ISCJB 09:02:00:08.0,2.0,11.43N;0.04,126.33E;0.05,h6km,12km, mb4.2/19,MS2/0.1, Error ellipse: s-maj=7.9km s-min=6.4km,az=26.5

IDC 09:02:00:09.5,0.8,11.30N;125.99E,h0km,mb4.0/11, mb1.4/11,mb1mx3.9/49,mbtmp4.0/11,MS2.9/2, MS1.2.9/2,ms1mx2.5/38,Error ellipse: s-maj=5.4,0km s-min=14.3km,az=68.0

NEIC 09:02:00:14.9,0.4,11.15N;125.65E,h35km,mb4.2/4, Error ellipse: s-maj=23.8km s-min=7.0km,az=67.0

MAN 09:02:00:16.1,11.39N;125.80E,h6km,mb4.8,ML3.7,MS3.7, ISC 09:02:00:11.9,1.1,11.40N;126.17E;0.07,h8km,11km, n47,c0:1915/54,mb4.2/18,2D,Philippine Islands region

Main table listing station data for the Philippines region, including Borongan, Palo, Ormoc, Maasin, Catarman, Lapu-Lapu, Butuan, Virac, etc.

IDC 09:02:02:17.7,2.4,7.33N;93.84E,h0km,mb3.8/4,mb1.3/9/4, mb1mx3.5/49,mbtmp3.8/4, Error ellipse: s-maj=141.8km s-min=23.8km,az=54.0,Nicobar Islands region

Table listing station data for the Nicobar Islands region, including Diego Garcia H, Zalesovo Beam, Warrungarra Arr, etc.

AZER 09:02:09:38.7,0.1,38.50N;46.77E,h1km,ml3.1/14, Error ellipse: s-maj=2.1km s-min=0.6km,az=12.0

TEH 09:02:09:41.4,38.45N;46.81E,h8km,ML3.2, DDA 09:02:09:43.2,38.52N;46.64E,h5km,MD3.2, ISC 09:02:09:41.7,1.1,38.50N;46.76E;0.02,h2km,11km, n37,c0:1915/53,11C-6D,Iran-Azerbaijan border region

Table listing station data for the Iran-Azerbaijan border region, including Heris, Warrungarra Arr, etc.

Main table listing station data for the Azores Islands region, including Ordubad, Bostanabad, Marand, etc.

DJA 09:02:00:46.2,0.6,3.9N;11.98E;0.21,h28km,36km,ML2.5/6, ML2.5/6,Northern Sumatara

Table listing station data for Northern Sumatara, including Kotacane, Aceh, Gunungsitoli, etc.

IDC 09:02:31:50.2,1.2,18.71N;121.53E,h0km,mb3.6/5, mb1.3/6,mb1mx3.5/43,mbtmp3.6/43,ML3.5/1,MS3.0/3, MS1.0/3,ms1mx2.6/33, Error ellipse: s-maj=41.6km s-min=20.8km,az=65.0,Luzon

Table listing station data for the Luzon region, including Davao City (W), Korea Array, Chiang Mai Arr, etc.

Ms 1.3/2.6,ms1mx3.0/15, Error ellipse: s-maj=46.0km s-min=19.4km,az=53.0, ISCJB 09:02:32:27.0,0.6,13.90S;105.75E;98W;0.07,h49km, mb4.2/2, Error ellipse: s-maj=11.3km s-min=4.1km, az=140.7, NEIC 09:02:32:29.0,1.2,13.80S;75.94W,h39km,12km,mb4.2/4, ML4.5(ARE), Error ellipse: s-maj=21.3km s-min=8.9km, az=53.0, NEIC Fell (III) at Pisco and (II) at Ica, ISC 09:02:32:28.7,0.9,13.91S;108.76E;04W;0.09,h49km,n43, c2:27/41,Near coast of Peru

Main table listing station data for the Near coast of Peru region, including Nana, Nana, Nana, etc.

PDA 09:02:37:55.9,1.3,37.45N;24.61W,h15km,MD3.6,ML2.6, Error ellipse: s-maj=9.7km s-min=3.4km,az=77.0, Azores Islands region

Table listing station data for the Azores Islands region, including Pico Bartolome, Pico do Norte, Santa Maria, etc.

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like CHRN, SPB, SAML, BDFB, USHA, PTGA, FLOC, etc.

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like Y54A, Z50A, Z50A, LRAL, Y53A, Z49A, etc.

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like WVT, WVT, WVT, R58B, U48A, MIAR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Neumayer-Stat, Neumayer Olymp, Neumayer-Watz, Palmer Station, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ATH 09:04:28:21.7, 36:87N-26:58E, NISRO, NISRO, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like LEMBANG, BRDH, QIZ, QIZ, etc.

TRN 09:04:21:55.2, 16:19N-60:67W, h22km, MD3.5, 2C, Leeward Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DEG, SFG, MGG, etc.

NNC 09:04:32:01.9-6.6, 36:81N-70:01E, h0km, mb3.5, mpv3.1, 4C-4D, Error ellipse: s-maj=61.4km s-min=41.1km az=153.0, Hindu Kush region

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

TRN 09:04:11:56.0, 4:40N-96:54E, h52km, mb4.6/31, mb4.8/19, NEIC 09:04:11:56.0, 4:40N-96:54E, h52km, mb4.6/31, mb4.8/19, Error ellipse: s-maj=8.6km s-min=5.3km az=58.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KSRS, MK01, MK31, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase, and other parameters. Includes stations like GUR Gaura, PROD Prodomos, XOR Xorichti, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, Time, Res, and other parameters. Includes stations like FYTO Fytoko, XOR Xorichti, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase, Time, Res, and other parameters. Includes stations like SERG Sergoula, SERG Serres, SERG Serres, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Rows include PDGK Podgornoye, PPT Papeete, PPT2 Papeete2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Rows include GYA08 ALIBECK ARRAY, FID Fort Fidalgo, UOSS Minazif, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Rows include JAY Jayapura, WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like COEN, KAKADU, TMTI, MTN, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like STKA, CMTA, FORT, ARMA, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like JNU, SSE, SHESHAN, BKNI, etc.

KMI	Kunming	44.93 310	P	P	07 58 07.1 +0.9
KMI			pP	pP	07 58 14.7 -2.5
KMI			sP	sP	07 58 19.7 -2.0
KMI			PP	PP	07 59 57.1 +5.4
KMI			S	S	08 04 43.1 +1.0
KMI			sS	sS	08 04 59.5 -0.8
KMI			SS	SS	08 08 00.7 -0.5
KMI			pmax	pmax	
KMI	comp=Z,35nm,1.8s				
KMI	comp=Z,420nm,6.9s		pmax	pmax	
KMI	comp=Z,1µm,20.7s		LR	LR	
KMI	comp=Z,2µm,19.9s		LR	LR	
KMI	comp=Z,2µm,20.7s		LR	LR	
CMMT	Chiang Mai	45.04 300	P	P	07 58 07.4 +0.5
CMMT	comp=Z,22nm,1.1s,comp=Z,664nm				
CHTO	Chiang Mai	45.04 300	PFAKE	LR	07 58 20.0 +1.3
CHTO	comp=Z,991nm,19.0s				
CMBY	CAMPBELL BAY	46.24 282	eP	P	07 58 15.7 -0.8
XAN	Xi'an	46.39 325	P	P	07 58 17.2 -0.2
XAN			sP	sP	07 58 03.0 -1.9
XAN			pP	pP	08 05 03.1 +0.6
XAN			S	S	
XAN	comp=Z,58nm,1.8s		pmax	pmax	
XAN	comp=Z,1µm,17.3s		LR	LR	
XAN	comp=Z,1µm,17.3s		LR	LR	
XAN	comp=Z,790nm,16.3s		LR	LR	
XAN	comp=Z,2µm,23.0s		LR	LR	
SNY	Shenyang	46.57 344	↑P	P	07 58 17.8 -0.7
SNY			pP	pP	07 58 29.5 0.0
SNY			S	S	08 05 07.3 +2.6
SNY			pmax	pmax	
SNY	comp=Z,35nm,2.2s		pmax	pmax	
SNY	comp=Z,1µm,5.8s		LR	LR	
SNY	comp=Z,1µm,19.3s		LR	LR	
SNY	comp=Z,2µm,17.5s		LR	LR	
SNY	comp=Z,3µm,20.0s		LR	LR	
YUK	Yuzh-Kuril'sk	46.92	7d/P	P	07 58 18.8 -2.4
YUK			LR	LR	08 00 09.4
YUK			ePPP	PPP	08 00 56.7
YUK			eS	S	08 05 05.4 -4.3
YUK			iSS	SS	08 05 27.8 -0.1
YUK			iPS	PS	08 59 56.2
YUK			pmax	pmax	
YUK	comp=Z,528nm,1.2s		pmax	pmax	
YUK	comp=N,357nm,1.1s		MLR	MLR	
YUK	comp=Z,1µm,21.0s		MLR	MLR	
USA0B	Ussuriysk Arra	47.16 353	eP	P	07 58 24.2 +1.1
USRK	Ussuriysk Ar.	47.16 353	P	P	07 58 23.1 0.0
USRK	comp=Z,3.3nm,0.7s,baz=174,slow=7.7,SNR=8.8		LR	LR	08 14 58.5
USRK	comp=Z,4µm,21.6s,baz=156,slow=32				
TIY	Taiyuan	47.28 331	eP	P	07 58 22.9 -1.4
TIY			PP	PP	08 00 12.0 -3.8
TIY			S	S	08 05 16.8 +1.5
TIY			sS	sS	08 05 35.1 +1.5
TIY			pmax	pmax	
TIY	comp=Z,400nm,6.1s		LR	LR	
TIY	comp=Z,3µm,18.9s		LR	LR	
TIY	comp=Z,500nm,15.8s		LR	LR	
TIY	comp=Z,3µm,18.0s		LR	LR	
BJT	Baijiatuau	47.50 336	eP	P	07 58 25.8 -0.1
BJT	comp=Z,252nm,1.6s				
BJT	comp=Z,4µm,19.0s		LR	LR	
BJT	Baijiatuau	47.50 336	eP	P	07 58 25.8 -0.1
BJT	comp=Z,252nm,1.6s		pmax	pmax	
BJT	comp=Z,4µm,19.0s		MLR	MLR	
BJI	Beijing	47.52 336	↑P	P	07 58 26.1 +0.1
BJI			S	S	08 05 20.4 +2.1
BJI			pmax	pmax	
BJI	comp=Z,55nm,1.7s		pmax	pmax	
BJI	comp=Z,690nm,8.0s		LR	LR	
BJI	comp=Z,2µm,19.6s		LR	LR	
BJI	comp=Z,2µm,20.1s		LR	LR	
BJI	comp=Z,2µm,18.6s		LR	LR	
CD2	Chengdu	47.54 317	P	P	07 58 27.1 +0.7
CD2			pP	pP	07 58 37.3 -0.2
CD2			sP	sP	07 58 41.7 -0.3
CD2			PP	PP	08 00 18.6 +0.3
CD2			S	S	08 05 21.3 +2.1
CD2			sS	sS	08 05 38.4 +1.0
CD2			SS	SS	08 08 50.9 +3.2
CD2			pmax	pmax	
CD2	comp=Z,70nm,0.5s		pmax	pmax	
CD2	comp=Z,2µm,5.9s		LR	LR	
CD2	comp=Z,3µm,19.6s		LR	LR	
CD2	comp=Z,4µm,19.6s		LR	LR	
CD2	comp=Z,4µm,19.1s		LR	LR	
TEY	Ternei	47.60 357	eP	P	07 58 27.0 +0.5
TEY			P	P	08 05 16.0
MDJ	Mudanjiang	47.91 351	P	P	07 58 29.2 +0.3
MDJ			pP	pP	07 58 41.6 +1.6
MDJ			S	S	08 05 26.1 +2.3
MDJ			sS	sS	08 05 44.7 +2.6
MDJ			SS	SS	08 08 21.4 +2.1
MDJ			pmax	pmax	
MDJ	comp=Z,24nm,1.0s		pmax	pmax	
MDJ	comp=Z,620nm,4.9s		LR	LR	
MDJ	comp=Z,2µm,19.2s		LR	LR	
MDJ	comp=Z,1µm,20.9s		LR	LR	
MDJ	comp=Z,4µm,21.2s		LR	LR	
MDJ	Mudanjiang	47.91 351	PFAKE	LR	07 58 40.0 +1.1
CN2	Changchun	47.94 347	eP	P	07 58 29.7 +0.5
CN2			esP	sP	07 58 43.3 +1.2
CN2			eS	S	08 05 25.7 +1.5
CN2			pmax	pmax	
CN2	comp=Z,10.0nm,1.4s		pmax	pmax	
CN2	comp=Z,400nm,8.0s		LR	LR	
CN2	comp=Z,2µm,22.0s		LR	LR	
CN2	comp=Z,1µm,22.0s		LR	LR	
HIZ	Hauiti	48.22 142	P	P	07 58 43.3 +1.2
PBA	Port Blair	48.38 288	eP	P	07 58 31.7 -1.4
PBA			IAMB	IAMB	07 58 36.5
RAO	Raoul Island	48.48 127	PFAKE	LR	07 58 50.0 +1.6
RAO					
DCZ	Deep Cove	49.11 154	eP	P	07 58 39.5 +1.3
DCZ			P	P	07 58 41.9 +3.3
DUWZ	D'Urville Isla	49.14 145	eP	P	07 58 42.3 +1.3
DUWZ	Malvora Lakes	49.46 153	eP	P	07 58 43.5 +2.6
PYZ	Puysegur Point	49.46 155	eP	P	07 58 43.5 +2.6
PYZ	comp=Z,224nm,1.5s				
URZ	Urewera	49.47 141	eP	P	07 58 44.9 +3.8
URZ	comp=Z,30nm,0.9s				
YSS	Yuzh-Sakhalins	49.56 3	eP	P	07 58 41.7 +0.1

YSS			e		07 58 50.6
YSS			e'SP	sP	07 59 00.0 +2.9
YSS			eS	S	08 05 47.0 +0.1
YSS			eSSS	SSS	08 10 36.9
YSS			pmax	pmax	
YSS	comp=Z,300nm,5.0s		MLR	MLR	
YSS	comp=Z,1µm,17.0s		MLR	MLR	
YSS	comp=N,900nm,18.0s		MLR	MLR	
YSS	comp=E,500nm,13.0s		MLR	MLR	
TUWZ	Tuamarina	49.56 146	P	P	07 58 42.1 +0.4
LTZ	Lake Taylor	49.58 148	eP	P	07 58 43.1 +1.2
LTZ	comp=Z,22nm,0.8s				
TCW	Toy Channel	49.61 145	P	P	07 58 43.7 +1.6
RPZ	Rata Peaks	49.61 150	eP	P	07 58 42.7 +0.6
AFI	Afiamaul	49.62 106	P	P	07 58 42.4 -0.3
AFI	comp=Z,62nm,0.9s,baz=266,slow=4.0,SNR=4.0				
AFI	Afiamaul	49.62 106	eP	P	07 58 43.5 +0.8
AFI	comp=E,193nm,1.3s		LR	LR	
AFI	comp=Z,2µm,20.0s		LR	LR	
AFI	Afiamaul	49.62 106	eP	P	07 58 43.5 +0.8
AFI			pmax	pmax	
BKZ	Black Stump Fm	49.63 142	eP	P	07 58 41.4 -1.0
BKZ	comp=Z,22nm,0.8s				
LBZ	Lake Benmore	49.68 151	eP	P	07 58 43.3 +0.7
LBZ	comp=Z,146nm,1.4s				
WHZ	Wether Hill Ro	49.79 154	eP	P	07 58 44.2 +0.8
WHZ	comp=Z,248nm,1.8s				
OXZ	Oxford	49.84 149	eP	P	07 58 45.5 +1.7
OXZ	comp=Z,47nm,1.0s				
TSZ	Takapara Road	49.85 143	P	P	07 58 45.2 +1.2
KHZ	Kahutara	50.00 147	eP	P	07 58 45.0 0.0
HOWZ	Holdsworth Sta	50.12 144	P	P	07 58 45.9 -0.1
HHC	Hu-ho-hao-te	50.18 333	eP	P	07 58 47.1 +0.5
HHC			sP	sP	07 59 03.8 +1.6
HHC			S	S	08 05 54.3 -1.8
HHC			sS	sS	08 06 15.9 +1.5
HHC	comp=Z,25nm,1.0s		pmax	pmax	
HHC	comp=Z,540nm,5.8s		pmax	pmax	
HHC	comp=Z,2µm,16.4s		LR	LR	
HHC	comp=Z,2µm,14.7s		LR	LR	
HHC	comp=Z,3µm,17.3s		LR	LR	
MTW	Mount Morrison	50.28 145	P	P	07 58 48.4 +1.2
PXZ	Pawanui	50.38 143	P	P	07 58 48.5 +0.6
BFZ	Birch Farm	50.41 144	eP	P	07 58 48.3 +0.1
BFZ	comp=Z,49nm,0.7s				
BFZ	Birch Farm	50.41 144	P	P	07 58 48.1 -0.1
MQZ	McQueen's Vall	50.42 149	eP	P	07 58 50.0 +1.7
MQZ	comp=Z,169nm,1.5s				
TRWZ	Traveller	50.54 145	P	P	07 58 50.6 +1.4
LZH	Lanzhou	50.81 323	↑P	P	07 58 51.5 0.0
LZH			pP	pP	07 59 04.2 +1.6
LZH			sP	sP	07 59 06.8 -0.3
LZH			PP	PP	08 00 51.1 +3.1
LZH			S	S	08 06 07.7 +2.6
LZH			sS	sS	08 06 23.4 0.0
LZH			SS	SS	08 09 36.5 -3.7
LZH	comp=Z,62nm,1.6s		pmax	pmax	
LZH	comp=Z,230nm,4.9s		pmax	pmax	
LZH	comp=Z,2µm,17.4s		LR	LR	
LZH	comp=Z,2µm,17.6s		LR	LR	
LZH	comp=Z,4µm,18.6s		LR	LR	
KLR	Kul'dur	52.15 354	P	P	07 59 00.8 -0.3
BRDH	Bariadhala	52.84 301	P	P	07 59 07.0 +0.4
BRDH	comp=Z,7.2nm,0.6s,baz=199,slow=2.2,SNR=18				
GRNR	Gornyy	53.34 358	eP	P	07 59 10.5 +0.7
GRNR			e		08 00 17.8
SHL	Shilong	53.77 305	eP	P	07 59 12.8 -0.9
SHL	comp=Z,60nm,1.1s				
SHL	Shilong	53.77 305	eP	P	07 59 12.8 -0.9
SHL	comp=Z,60nm,1.0s		pmax	pmax	
SHL	Shilong	53.77 305	eP	P	07 59 13.5 -0.2
SHL	comp=Z,27nm,0.9s		IAMB	IAMB	07 59 13.9
MCQ	Macquarie Isla	54.07 166	eP	P	07 59 16.7 +1.6
MCQ	comp=Z,902nm,2.0s				
MCQ	Macquarie Isla	54.07 166	eP	P	07 59 16.7 +1.6
MCQ	comp=Z,900nm,2.0s		pmax	pmax	
HIA	Hailar	54.47 344	PFAKE	LR	07 59 30.0 +1.2
HIA	comp=Z,2µm,20.0s		LR	LR	
SKR	Severo-Kuril's	55.13 13	P	P	07 59 24.9 +2.1
SKR			eS	S	08 07 21.1 +1.8
SKR			MLR	MLR	
SKR	comp=Z,2µm,19.0s		MLR	MLR	
GTA	Gaotai	55.39 323	eP	P	07 59 25.7 +0.6
GTA			pP	pP	07 59 35.9 -0.5
GTA			sP	sP	07 59 39.8 -1.0
GTA			S	S	08 07 05.2 -2.1
GTA			sS	sS	08 07 22.3 +1.7
GTA	comp=Z,22nm,1.5s		pmax	pmax	
GTA	comp=Z,400nm,7.2s		LR	LR	
GTA	comp=Z,830nm,17.5s		LR	LR	
GTA	comp=Z,710nm,17.5s		LR	LR	
GTA	comp=Z,1µm,17.5s		LR	LR	
LSA	Lhasa	56.13 309	PFAKE	LR	07 59 40.0 +9.0
LSA			LR	LR	
LSA	comp=Z,865nm,21.0s				
LSA	Lhasa	56.13 309	P	P	07 59 31.0 0.0
ZEA	Zeya	57.14 352	eP	P	07 59 37.1 -0.1
ZEA			eS	S	08 07 32.0 +2.3
ZEA			pmax	pmax	
ZEA	comp=N,130nm,1.8s		pmax	pmax	
ZEA	comp=Z,130nm,1.8s		pmax	pmax	
ZEA	comp=Z,700nm,8.0s		smax	smax	
ZEA	comp=E,400nm,8.0s				
BWNR	Bhubaneshwar	57.16 296	eP	P	07 59 36.9 -1.0
ULN	Ulanbaatar	57.70 335	eP	P	07 59 41.8 +0.3
ULN	comp=E,138nm,1.8s				
ULN	Ulanbaatar	57.70 335	P	P	07 59 42.2 +0.8
ULN	SNR=2.5				
ULN	Ulanbaatar	57.70 335	eP	P	07 59 42

Table with columns: MOD, HAWA, BEKR, YKA, KEV, ARCES, WVOR, WVOR, NEW, NVAR, BMO, KVN, NV11, SNA, SNA, KMBO, SIM, SIM, SIM, FINES, PFO, VNA3, HLID, HLID, BELC, ANTO, KIEV, BOZ, DUG, EGMT, HWUT, AHID, LKWY, RLMT, BW06, PDAR, FFC, LAO, MVCO, DGMT, LSZ, ISCO, ANMO, SDCO, SUR, MNTX, OGNE, CLL, CLL, AGMN, TXAR, TXAR, CBKS, ECSD, EYMN, KSU1, KSU1, JCT, JCT, ESK, COWI, KVTX, JFWS, S39A

Table with columns: S39A, X39A, O41A, T40A, U40A, MIAR, NATX, R41A, HDIL, S42A, Z41A, GLMI, Q45A, AAM, ACSSO, U50A, Z50A, BRAL, LONY, PLCA, PLCA, BINY, GOGA, BLA, PAYG, PAB, PKME, CBN, NHSC, CNNC, JTS, LCO, BCIP, MTDJ, NNA, OTAV, GTBY, CAPC, KIC, DBIC, DBIC, POPC, TIC, SOTA, HORO, LIC, MNMC, PCON, PLMC, MOTO, MARP, UREC, FLOC, HELC, ANIL, RREF, ZARC, SMRC, PRAC, ROSC, ROSC, RRRC, CPUP, LPAZ, LPAZ, CHIC, BANI, GIRC, BARC, IIRC, PAMC, SDV, SDV, CRMP, CRMP, SJG, SJG, SJG, CBYP, HUMP, MTP, ANWB, BBGH, BDFB

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, Pn, T, H, m, s, Res, ISC

ISCJB 09 07:50:10.3,0.3,5.22S,0:04:68.84E:0:04, h10km, mb4.5/43, MS4.4/B, Error ellipse: s-maj=6.7km s-min=5.3km az=40.5

NEIC 09 07:50:13.1,0.3,5.14S:68.76E, h10km, mb4.8/27, Error ellipse: s-maj=9.1km s-min=7.4km az=144.0

GCMT 09 07:50:15.0,0.2,5.05S:0:02:68.41E:0:02, h14km, Moment Tensor Solution: S31, C37, S101, C157; Duration: 150 Moment tensor: Scale 10^16 Nm; Mw: 7.39; Ms: 6.21; Ml: 5.54; Best double couple: M67.51900:10^16 NP1:30.295.00000; 851.00000; lambda-104.00000; NP2:137.00000; 841.00000; lambda-73.00000; Principal axes: T 7.2040, Plg5.0000; Azm35.0000; N 0.6390, Plg11.0000; Azm304.0000; P -7.8340, Plg78.0000; Azm151.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 09 07:50:12.3,0.3,5.20S:0:07:68.83E:0:07, h10km, m127, s1256/122, mb4.7/51, MS4.4/B, Chagos Archipelago

Code Station Name Delta Azimuth Phase ID Op Pn T H m s Res ISC

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res. Includes stations like H01W2 Cape Leeuwin H, MA1W2 Cape Leeuwin H, MK01 Makanchi Array, etc.

IDD 09 07:50:06.71.2, 13:54N-91:30W, h0km, mb3.8/5, mb1 4.0/7, mb1mx3.8/45, mbtrmp3.7/7, ML3.8/2, MS3.4/2, MS1 3.4/2, ms1mx2.9/38, Error ellipse: s-maj=26.3km s-min=20.7km az=56.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res. Includes stations like IDC 09 07:50:12.7, IDC 09 07:50:15.3, IDC 09 07:50:17.1, etc.

Table with columns: SNVI, Station Name, Az, AzZ, Phase ID, Time Res, Res. Includes stations like TECA Tecapa, CCIG Comitán, LCND La Ca'ada, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res. Includes stations like IDC 09 07:57:44.0, IDC 09 07:57:49.1, IDC 09 07:57:49.2, etc.

Table with columns: Station Name, Az, AzZ, Phase ID, Time Res, Res. Includes stations like SJUI Sorong, PMG Port Moresby, MTN Mantona Dam, SANI Sanana, SOEI Soe, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Rabbit Creek A, Sawmill, Alibek, Denali Highway, Eielson Array, etc.

IDC 09 08:12:38.71.0.2.75S:139.34E, h0km, mb3.8/6, mb1 4.1/7, mb1mx3.9/29, mbtmt3.9/7, ML4.0/1, Error ellipse: s-maj=19.4km s-min=11.8km az=137.0

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like W39A, W39B, W39C, W39D, etc.

IDC 09 08:22:39.8.2.5.4.88S:68.87E, h0km, mb3.7/7, mb1 3.9/7, mb1mx3.6/49, mbtmt3.7/7, Error ellipse: s-maj=74.9km s-min=26.2km az=64.0, Chagos Archipelago region

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like H08N2, H08N3, H08N1, etc.

IDC 09 08:38:28.8.1.2.49.16N:0.05:18.89E:0.03, h12km, 13km, n8, 0662/13, Czech and Slovak Republics

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

NNC 09 08:42:22.7.1.38.95N:76.01E, h0km, mb3.6, mpv3.2, 9C-3D, Error ellipse: s-maj=52.4km s-min=29.0km az=161.0, Southern Xinjiang

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like SFK, AAK, TKM2, etc.

After TUL, NEIC Felt [I] at Boyle, Edmond, Guthrie and Stillwater. Also felt at Arcadia, Bixen, Crescent, Mulhall, Norman, Oklahoma City, Orlando and Spencer.

ISC 09 08:49:06.8.0.7.36.07N:0.03:97.38W:0.02, h10km, n51, 01566/77, Oklahoma

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like OK005, OK002, TUL1, etc.

WMOK baz=277, WMOK Wichita Mounta, WMOK WMOK, WMOK Wichita Mounta, WMOK WMOK

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like HHAR, V39A, W39A, etc.

IDC 09 09:17:05.7.37:18N:28:18E, h10km, ML2.0/6, ISCJB 09 09:17:06.2.0.5.37:25N:0.03:28:21E:0.03, h0km, Error ellipse: s-maj=4.9km s-min=3.6km az=24.5

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

IDC 09 09:17:06.0.3.9.4.94S:66.62E, h0km, mb3.6/6, mb1 3.7/6, mb1mx3.4/65, mbtmt3.6/6, MS3.8/10, Ms1 3.8/10, s-min=25.7km az=63.0, Chagos Archipelago region

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like H08N2, H08N3, H08N1, etc.

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

ISC 09 09:17:05.0.5.9.37:24N:0.04:28:20E:0.03, h0km, n12, 0097/18, Turkey

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

IDC 09 09:17:06.0.3.9.4.94S:66.62E, h0km, mb3.6/6, mb1 3.7/6, mb1mx3.4/65, mbtmt3.6/6, MS3.8/10, Ms1 3.8/10, s-min=25.7km az=63.0, Chagos Archipelago region

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like H08N2, H08N3, H08N1, etc.

ISCJB 09 09:19:52.1.0.8.4.93S:0.08:68.5E:0.1, h13km, mb4.3/13, Error ellipse: s-maj=20.1km s-min=10.2km az=162.0

IDC 09 09:19:52.5.1.8.5.00S:68.55E, h0km, mb3.8/8, mb1 4.0/8, mb1mx3.7/62, mbtmt3.8/8, Error ellipse: s-maj=57.8km s-min=24.2km az=60.0

NEIC 09 09:19:54.0.1.0.6.4.94S:68.57E, h10km, mb4.7/6, Error ellipse: s-maj=16.6km s-min=9.1km az=75.0

ISC 09 09:19:54.1.0.9.5.05:0.1:68.5E:0.2, h13km, n34, 0097/27, Maldives

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like H08N2, H08N3, H08N1, etc.

Table with columns: WR1, Warramunga Arr, 65.61 110 eP, P, 09 30 38.5 +0.1, 4.9nm, 1.0s

NIED 09 09:24:00.38'00N, 141'30E, h38km, Mw3.6 Best double couple: M2.680000, 1014 NP1.3e164.00000, 89.00000, 1.36.00000, NP2.2e298.00000, 883.00000, 83.00000

JMA 09 09:24:36.70.1, 38.01N, 141.88E, h45km, 1km, M3.7 JMA Fellt J1.

ISC 09 09:24:34.6.1, 9.3738N, 0.05:141.99E, 0.07, h27km, 12km, n27, c1942/35, mb3.4/5, Near east coast of eastern Honshu

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, ISC

ISK 09 09:36:09.8, 37'21N, 143'59E, h10km, ML2.9/10 ISCJB 09 09:36:11.7, 0.5, 37.06N, 0.03, 34.68E, 0.03, h5km, 5km, Error ellipse: s-maj=5.6km s-min=3.7km az=147.9

DDA 09 09:36:11.7, 37.08N, 143.69E, h7km, M1.3 ISC 09 09:36:12.3, 0.9, 37.10N, 0.03, 34.66E, 0.02, h14km, 8km, n22, c1927/34, Turkey

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, ISC

ISCJB 09 09:47:14.7, 0.5, 51.49N, 0.03, 16.20E, 0.03, h0km, Error ellipse: s-maj=3.8km s-min=2.5km az=13.0

ISC 09 09:47:17.0, 0.1, 51.50N, 15.96E, h0km, mb1 3.6/7, mb1mx3.4/5, mbtmp3.6/7, ML3.1/7, Error ellipse: s-maj=13.5km s-min=6.7km az=112.0

PRU 09 09:47:17.0, 0.0, 51.52N, 16.18E, h0km, mb2 9/6, ML3.3/6, VIE 09 09:47:19.3, 0.1, 51.28N, 16.29E, h0km, mb2 9/6, ML3.3/6, Error ellipse: s-maj=8.4km s-min=5.9km az=94.0 55 km WNW of Wrocław Suspected Mining induced.

ISC 09 09:47:14.5, 0.8, 51.56N, 0.03, 16.19E, 0.02, h0km, n35, c1817/11, 10D, Poland

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, ISC

Table with columns: PRA, comp=Z, 64nm, 0.4s, eSg, Sb, 09 48 14.0 0.0

Table with columns: MORC, Moravsky Berou, 2.01 154 ePn, Sb, 09 47 50.0 +0.2

Table with columns: OKK, Ostrava-Krasno, 2.15 144J ePn, Sb, 09 47 55.3 +0.9

Table with columns: GERES, GERES Array B, 3.18 211 Pn, 09 48 06.9 +1.0

Table with columns: LANS, Liptovska Anna, 3.22 138 ePn, Pg, 09 48 16.0 +0.3

Table with columns: KECS, Kecovo, 4.17 137 ePn, Pg, 09 48 32.9 -1.4

Table with columns: KECS, Kecovo, 4.17 137 ePn, Pg, 09 48 32.9 -1.4

Table with columns: KECS, Kecovo, 4.17 137 ePn, Pg, 09 48 32.9 -1.4

Table with columns: KECS, Kecovo, 4.17 137 ePn, Pg, 09 48 32.9 -1.4

Table with columns: KECS, Kecovo, 4.17 137 ePn, Pg, 09 48 32.9 -1.4

Table with columns: KECS, Kecovo, 4.17 137 ePn, Pg, 09 48 32.9 -1.4

Table with columns: KECS, Kecovo, 4.17 137 ePn, Pg, 09 48 32.9 -1.4

Table with columns: KECS, Kecovo, 4.17 137 ePn, Pg, 09 48 32.9 -1.4

Table with columns: KECS, Kecovo, 4.17 137 ePn, Pg, 09 48 32.9 -1.4

Table with columns: KECS, Kecovo, 4.17 137 ePn, Pg, 09 48 32.9 -1.4

Table with columns: KECS, Kecovo, 4.17 137 ePn, Pg, 09 48 32.9 -1.4

Table with columns: KECS, Kecovo, 4.17 137 ePn, Pg, 09 48 32.9 -1.4

Table with columns: KECS, Kecovo, 4.17 137 ePn, Pg, 09 48 32.9 -1.4

Table with columns: KECS, Kecovo, 4.17 137 ePn, Pg, 09 48 32.9 -1.4

Table with columns: MKAR, Makanchi Array, 49.11 309 P, 09 59 46.2 -1.2

Table with columns: NRIK, Noril'sk, 51.74 339 P, 09 47 48.8 +0.3

Table with columns: INK, Inuvik, 63.23 25 P, 09 47 50.0 +0.2

Table with columns: WAMI, Wamena, 1.48 209 P, 09 54 12.3 -0.3

Table with columns: WAMI, Wamena, 1.48 209 P, 09 54 12.3 -0.3

Table with columns: WAMI, Wamena, 1.48 209 P, 09 54 12.3 -0.3

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Table with columns: WAMI, Wamena, 1.48 209 P, 09 54 12.3 -0.3

ISC 09 09:53:42.2, 1.1, 2.71S, 139.40E, h0km, mb3.8/5, mb1 4.1/6, mb1mx3.8/32, mbtmp3.9/6, ML3.9/1, MS3.4/4, Ms1 3.4/4, ms1mx3.0/37, Error ellipse: s-maj=25.3km s-min=13.8km az=157.0

ISCJB 09 09:53:45.1, 0.7, 2.40S, 0.08, 139.34E, 0.05, h27km, mb3.8/4, MS3.4/3, Error ellipse: s-maj=11.5km s-min=6.6km az=175.4

DJA 09 09:53:46.0, 4.3, 5.5, 13.9E, h45km, 10km, M4.4/5, mb4.4/5, MLV4.5/5

ISC 09 09:53:45.7, 0.8, 2.57S, 0.09, 139.42E, 0.05, h27km, n16, c1873/14, mb3.8/4, MS3.4/3, Near north coast of Irian Jaya

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, ISC

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, ISC

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Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, ISC

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, ISC

ISC 09 09:54:22.2, 2.4, 6.65N, 122.54E, h0km, mb4.0/3, mb1 4.3/3, mb1mx3.6/44, mbtmp4.0/3, Error ellipse: s-maj=303.9km s-min=26.3km az=63.0, Mindanao

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, ISC

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, ISC

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, ISC

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Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, ISC

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, ISC

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, ISC

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, ISC

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, ISC

ISCJB 09 10:15:15.5, 0.7, 14.0S, 0.1, 72.72W, 0.08, h83km, mb3.5/4, Error ellipse: s-maj=20.7km s-min=7.5km az=26.2

ISC 09 10:15:16.9, 1.7, 14.04S, 72.72W, h78km, 16km, mb3.5/4, mb1 3.9/10, mb1mx3.7/29, mbtmp4.1/10, MS3.2/2, Ms1 3.2/2, ms1mx2.7/22, Error ellipse: s-maj=31.8km s-min=13.1km az=29.0

ISC 09 10:15:17.3, 0.8, 14.0S, 0.2, 72.7W, 0.1, h83km, n14, c082/14, mb3.6/4, Central Peru

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, ISC

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, ISC

Table with columns: JFT, Otama, 0.79 298, P, Pn, 10 17 39.2 +0.5, etc. Includes stations like Yanaizu, Okura, Matsuhiro Arr, etc.

Table with columns: MMRI, SOEI, PLAI, etc. Includes stations like Soe, Plampang, etc. Includes text: IDC 09 10:44:56.0...

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

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res. Includes stations like Geniem, Jayapura, etc. Includes text: IDC 09 10:26:53.0...

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res. Includes stations like Borongan, Palo, etc. Includes text: IDC 09 10:47:36.8...

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res. Includes stations like RAO, AFI, etc. Includes text: ISCJB 09 12:14:22.4...

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res. Includes stations like DJA, Ende, Flores, etc. Includes text: DJA 09 10:28:11.7...

MWVC	comp=Z,6um,19.0s	LR	LR		
OSI	Osito Audit: C	118.24	69	PFAKE	LR
OSI	comp=Z,6um,19.0s			LR	12 51 10.0 +15
FRD	Ford Ranch, An	118.30	72	P	PKPdf
UNV	Unalaska Valle	118.42	25	PFAKE	LR
UNV	comp=Z,20um,22.0s			LR	12 51 10.0 +15
BFSC	Mount Baldy Ra	118.42	70	P	PKPdf
PFO	Pinyon Flats O	118.47	72	PFAKE	LR
PFO	comp=Z,6um,20.0s			LR	12 51 10.0 +14
XPFO	Pison Flat	118.47	72	PFAKE	LR
PAGB	comp=Z,6um,20.0s			LR	12 51 10.0 +14
PAGB	Antelope Grade	118.47	67	PFAKE	LR
PAGB	comp=Z,6um,21.0s			LR	12 51 10.0 +14
PMPB	Monarch Peak	118.62	67	PFAKE	LR
PMPB	comp=Z,6um,18.0s			LR	12 51 10.0 +14
SDV	Santo Domingo	118.72	128	PFAKE	LR
SDV	comp=Z,2um,18.0s			LR	12 51 10.0 +13
GLA	Glamis	118.77	73	PFAKE	LR
GLA	comp=Z,4um,20.0s			LR	12 51 10.0 +14
SAO	San Andreas Ge	118.78	66	PFAKE	LR
SAO	comp=Z,6um,19.0s			LR	12 51 07.4 +11
EDW2	Edwards Air Fo	118.80	70	P	PKPdf
AKUT	Akutan	118.84	26	PFAKE	LR
AKUT	comp=Z,20um,22.0s			LR	12 51 08.1 +11
BC3	Big Chuckawall	118.97	72	P	PKPdf
BELC	Belle Mtn. Jos	119.00	72	P	PKPdf
TLY	Talaya	119.01	327	PFAKE	LR
TLY	comp=Z,10um,22.0s			LR	12 51 10.0 +14
TLY	Talaya	119.01	327	iPKIKP	PKPdf
TLY	comp=Z,8.0nm,1.4s			MLR	12 51 05.8 +10
TLY	comp=Z,13um,26.0s			MLR	12 52 12.1
113A	Mohawk Valley	119.04	74	PFAKE	LR
113A	comp=Z,5um,22.0s			LR	12 51 10.0 +13
ISA	Isabella, Lake	119.22	69	PFAKE	LR
ISA	comp=Z,4um,20.0s			LR	12 51 10.0 +13
ISA	Isabella, Lake	119.22	69	P	PKPdf
MCCM	Marconi Confer	119.28	64	PFAKE	LR
MCCM	comp=Z,4um,20.0s			LR	12 51 10.0 +13
LNIG	Linares	119.48	91	PFAKE	LR
LNIG	comp=Z,4um,19.0s			LR	12 51 10.0 +12
Y12C	Blythe	119.49	73	PFAKE	LR
Y12C	comp=Z,6um,21.0s			LR	12 51 10.0 +12
PRZ	Przheval'sk	119.64	305	PFAKE	LR
PRZ	comp=Z,6um,21.0s			LR	12 51 10.0 +12
GSC	Goldstone, Bar	119.70	70	PFAKE	LR
GSC	comp=Z,6um,21.0s			LR	12 51 10.0 +12
GDXM	Geyers	119.87	63	PFAKE	LR
GDXM	comp=Z,5um,19.0s			LR	12 51 10.0 +12
HOPS	Hopland Field	119.90	63	PFAKE	LR
HOPS	comp=Z,7um,18.0s			LR	12 51 10.0 +12
MA2	Magadan	119.91	358	PFAKE	LR
MA2	comp=Z,6um,22.0s			LR	12 51 10.0 +13
FALS	False Pass	120.03	27	PFAKE	LR
FALS	comp=Z,8um,18.0s			LR	12 51 10.0 +12
319A	Douglas	120.04	79	PFAKE	LR
319A	comp=Z,15um,21.0s			LR	12 51 10.0 +11
TUC	Tucson	120.08	77	PFAKE	LR
TUC	comp=Z,4um,20.0s			LR	12 51 10.0 +11
TUC	Tucson	120.08	77	P	PKPdf
PDMCI	Parker Dam, Lak	120.12	73	P	PKPdf
DAC	Darwin (Calif)	120.13	69	PFAKE	LR
DAC	comp=Z,6um,19.0s			LR	12 51 10.0 +11
TUQ	Turquoise Moun	120.22	71	P	PKPdf
KCPM	Cahto Peak	120.25	62	PFAKE	LR
KCPM	comp=Z,4um,22.0s			LR	12 51 04.4 +5.4
LDFC	Landfair	120.30	72	PFAKE	LR
LDFC	comp=Z,7um,21.0s			LR	12 51 10.0 +11
CMB	Columbia Colle	120.30	66	PFAKE	LR
CMB	comp=Z,6um,18.0s			LR	12 51 10.0 +11
Y14A	Wickenburg	120.36	74	PFAKE	LR
Y14A	comp=Z,4um,22.0s			LR	12 51 10.0 +11
SHOC	Shoshone, Teco	120.43	70	P	PKPdf
SHOC	comp=Z,4um,21.0s			LR	12 51 05.2 +5.9
OMMB	Old Mammoth Mi	120.58	67	PFAKE	LR
OMMB	comp=Z,6um,18.0s			LR	12 51 10.0 +10
KMRM	Mali Ridge	120.63	62	PFAKE	LR
KMRM	comp=Z,7um,22.0s			LR	12 51 10.0 +10
AFDM	Forest Hills D	120.79	65	PFAKE	LR
AFDM	comp=Z,7um,18.0s			LR	12 51 10.0 +10
SPIA	Saint Paul Isl	120.81	22	PFAKE	LR
SPIA	comp=Z,4um,21.0s			LR	12 51 10.0 +11
W13A	Hualapai Mount	120.89	73	PFAKE	LR
W13A	comp=Z,14um,21.0s			LR	12 51 10.0 +10
MYIG	Morida	120.91	102	PFAKE	LR
MYIG	comp=Z,5um,20.0s			LR	12 51 10.0 +9.4
JCC	Jacoby Creek,	120.98	61	PFAKE	LR
JCC	comp=Z,1um,20.0s			LR	12 51 10.0 +10
TEIG	Tepich	120.98	104	PFAKE	LR
TEIG	comp=Z,5um,19.0s			LR	12 51 10.0 +9.2
002D	Mt. Diablo Mer	121.00	63	P	PKPdf
ORV	Oroville	121.05	64	PFAKE	LR
ORV	comp=Z,2um,22.0s			LR	12 51 07.8 +7.5
WAKR	Walker	121.12	66	PFAKE	LR
WAKR	comp=Z,5um,22.0s			LR	12 51 10.0 +10
SDPT	Sand Point	121.15	28	PFAKE	LR
SDPT	comp=Z,6um,20.0s			LR	12 51 10.0 +10
KHMM	Horse Mountain	121.16	61	PFAKE	LR
KHMM	comp=Z,11um,22.0s			LR	12 51 10.0 +9.3
RUBR	Rubicon Trail	121.24	65	PFAKE	LR
RUBR	comp=Z,6um,18.0s			LR	12 51 10.0 +9.0
TPNV	Topopah Spring	121.30	70	PFAKE	LR
TPNV	comp=Z,4um,20.0s			LR	12 51 10.0 +8.9
TPNV	Topopah Spring	121.30	70	P	PKPdf
TPNV	comp=Z,6um,19.0s			LR	12 51 04.0 +2.9
WDC	Whiskeytown Da	121.44	62	PFAKE	LR
WDC	comp=Z,2um,22.0s			LR	12 51 10.0 +9.0
SHPR	Sheep Range	121.45	71	PFAKE	LR
SHPR	comp=Z,5um,21.0s			LR	12 51 10.0 +8.6

FRU1	comp=Z,5um,19.0s	121.46	302	PFAKE	LR
FRU1	Bishkek			LR	12 51 10.0 +8.9
FRU2	comp=Z,3um,21.0s	121.48	302	ePKIKP	PKPdf
FRU2	Bishkek			LR	12 51 12.0 +11
FRU2	comp=Z,4um,20.0s			LR	13 09 22.0
X16A	Lo Mia Camp, P	121.50	75	PFAKE	LR
X16A	comp=Z,40nm,1.6s			LR	12 51 10.0 +8.4
PNTR	Pine Nut	121.52	66	PFAKE	LR
PNTR	comp=Z,4um,21.0s			LR	12 51 10.0 +8.5
003E	Payne Creek	121.53	63	P	PKPdf
003E	comp=Z,4um,21.0s			LR	12 51 04.4 +3.1
NV01	Mina Array Sit	121.57	67	ePKIKP	PKPdf
NVAR	Mina Array Bea	121.57	67	ePKIKP	PKPdf
NVAR	comp=Z,0.3nm,0.7s,baz=193,slow=3.7,SNR=3.1			LR	12 50 58.1 -3.5
YERR	Yerington	121.60	66	PFAKE	LR
YERR	comp=Z,5um,21.0s			LR	12 51 10.0 +8.3
RYN	Ryan	121.63	67	PFAKE	LR
RYN	comp=Z,6um,22.0s			LR	12 51 10.0 +8.3
NV11	Mina Array Sit	121.64	67	PFAKE	LR
NV11	comp=Z,600nm,22.0s			LR	12 51 10.0 +8.3
VCNR	Virginia City	121.67	65	PFAKE	LR
VCNR	comp=Z,4um,20.0s			LR	12 51 10.0 +8.2
N02D	Trinity Center	121.69	62	P	PKPdf
N02D	comp=Z,6um,21.0s			LR	12 51 03.9 +2.3
MKAR	Makanchi Array	121.71	310	PKP	PKPdf
MKAR	comp=Z,0.6nm,0.6s,baz=99,slow=3.9,SNR=4.8			LR	12 50 57.0 -4.4
MKAR	Makanchi Array	121.71	310	ePKPdf	LR
MKAR	comp=Z,600nm,20.0s			LR	12 50 59.4 -2.0
MKAR	Makanchi Array	121.71	310	ePKIKP	MLR
MKAR	comp=Z,600nm,20.0s			MLR	12 50 59.4 -2.0
EPT	El Paso	121.71	81	PFAKE	LR
EPT	comp=Z,4um,20.0s			LR	12 51 10.0 +8.0
BEKR	Beckworth	121.81	65	PFAKE	LR
BEKR	comp=Z,5um,21.0s			LR	12 51 10.0 +8.0
M02C	Callahan	121.96	62	P	PKPdf
M02C	comp=Z,4um,20.0s			LR	12 51 03.5 +1.4
PAHR	Pah Rah Range	122.12	65	PFAKE	LR
PAHR	comp=Z,5um,22.0s			LR	12 51 20.0 +17
KVN	Kaiserville	122.17	67	ePKIKP	PKPdf
KVN	comp=Z,5um,22.0s			LR	12 51 03.5 +0.7
KVN	Kaiserville	122.17	67	ePKIKP	PKPdf
KVN	comp=Z,4um,20.0s			LR	12 51 03.5 +0.7
BOD	Bodaibo	122.20	336	ePKIKP	PKPpre
BOD	comp=Z,4um,20.0s			LR	12 50 54.1
MNTX	Cornudas Mount	122.20	82	ePKIKP	PKPdf
MNTX	comp=Z,11nm,1.7s			LR	12 51 03.3 +0.5
MNTX	Cornudas Mount	122.20	82	P	PKPdf
MNTX	comp=Z,4um,19.0s			LR	12 51 04.2 +1.4
X18A	Snowflake	122.30	76	PFAKE	LR
X18A	comp=Z,3um,19.0s			LR	12 51 20.0 +17
YBH	Yreka Blue Hor	122.30	62	PFAKE	LR
YBH	comp=Z,3um,19.0s			LR	12 51 20.0 +17
833A	Chaparral WMA,	122.37	89	PFAKE	LR
833A	comp=Z,4um,20.0s			LR	12 51 20.0 +17
WUAZ	Wupatki	122.42	74	PFAKE	LR
WUAZ	comp=Z,3um,19.0s			LR	12 51 20.0 +17
WUAZ	Wupatki	122.42	74	P	PKPdf
WUAZ	comp=Z,4um,19.0s			LR	12 51 05.4 +2.0
KVXT	Kingsville	122.46	91	PFAKE	LR
KVXT	comp=Z,4um,20.0s			LR	12 51 20.0 +17
CHGN	Chignik	122.51	29	PFAKE	LR
CHGN	comp=Z,5um,19.0s			LR	12 51 10.0 +7.5
U15A	North Rim	122.73	73	PFAKE	LR
U15A	comp=Z,9um,21.0s			LR	12 51 20.0 +16
R11A	Troy Canyon, C	122.75	69	PFAKE	LR
R11A	comp=Z,4um,21.0s			LR	12 51 20.0 +16
LCMT	Little Creek M	122.75	72	PFAKE	LR
LCMT	comp=Z,7um,18.0s			LR	12 51 20.0 +16
L04D	Klamath Falls	122.87	62	P	PKPdf
L04D	comp=Z,4um,20.0s			LR	12 51 06.1 +2.1
W18A	Petrified Fore	122.88	76	PFAKE	LR
W18A	comp=Z,2um,21.0s			LR	12 51 20.0 +16
HUMO	Hull Mountain	122.91	61	ePKIKP	PKPdf
HUMO	comp=Z,4um,20.0s			LR	12 51 05.2 +1.3
KNB	Kanab	122.95	72	PFAKE	LR
KNB	comp=Z,5um,22.0s			LR	12 51 20.0 +16
CCUT	Cedar City	123.13	71	PFAKE	LR
CCUT	comp=Z,4um,21.0s			LR	12 51 20.0 +15
Y22D	IRIS PASSCALI	123.39	79	PFAKE	LR
Y22D	comp=Z,6um,19.0s			LR	12 51 20.0 +15
MOD	Modoc Plateau	123.49	63	ePKIKP	PKPdf
MOD	comp=Z,5um,20.0s			LR	12 51 06.3 +1.1

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SDCO	Great Sand Dun	127.02	77	P	PKPdf	12 51 14.1	+1.9
T25A	Trinidad	127.06	79	PFAKE	LR	12 51 30.0	+1.8
CNPM	China Poot	127.16	32	PFAKE	LR	12 51 20.0	+8.6
BMO	Blue Mountains	127.16	63	ePKPdf	LR	12 51 14.3	+2.3
BMO	Blue Mountains	127.16	63	ePKIKP	MLR	12 51 14.3	+2.3
HOM	Homer	127.17	31	PFAKE	LR	12 51 20.0	+8.7
HWUT	Hardware Ranch	127.20	70	PFAKE	LR	12 51 30.0	+1.8
E07A	Sunnyside	127.40	60	PFAKE	LR	12 51 30.0	+1.8
HAWA	Hanford	127.40	60	ePKPdf	LR	12 51 12.0	-0.3
HLID	Hailey	127.44	66	PFAKE	LR	12 51 30.0	+1.7
HLID	Hailey	127.44	66	P	PKPdf	12 51 15.7	+3.0
SMCO	Snowmass	127.45	75	PFAKE	LR	12 51 30.0	+1.7
BRLK	Bradley Lake	127.45	32	PFAKE	LR	12 51 20.0	+8.0
SVW2	Sparrevoeh	127.46	28	PFAKE	LR	12 51 20.0	+8.1
543A	St. Martinville	127.53	95	PFAKE	LR	12 51 30.0	+1.7
PGC	Sidney	127.54	56	PFAKE	LR	12 51 30.0	+1.8
Q20A	White River Ci	127.60	73	PFAKE	LR	12 51 30.0	+1.7
LTY	Liberty	127.60	59	PFAKE	LR	12 51 30.0	+1.7
E08A	Dider Farm, EI	127.68	61	PFAKE	LR	12 51 30.0	+1.7
DIB	Dawson Inlet,	127.69	47	PFAKE	LR	12 51 30.0	+1.7
WMOK	Wichita Mounta	127.89	85	PFAKE	LR	12 51 30.0	+1.6
WMOK	Wichita Mounta	127.89	85	P	PKPdf	12 51 15.4	+1.8
NVS	Novosibirsk	128.00	316	ePKIKP	PKPdf	12 51 22.4	+9.3
F10A	Beach Ranch, E	128.07	62	PFAKE	LR	12 51 30.0	+1.6
E09A	Wood Farm, Sta	128.07	61	ePKPdf	LR	12 51 17.2	+3.6
Q24A	Divide	128.15	77	PFAKE	LR	12 51 30.0	+1.6
545A	Edgard	128.17	96	PFAKE	LR	12 51 30.0	+1.6
240A	Hunter Patters	128.19	91	PFAKE	LR	12 51 30.0	+1.6
D08A	Wollman Farm,	128.19	60	PFAKE	LR	12 51 30.0	+1.6
B06A	Marblemount	128.25	57	PFAKE	LR	12 51 30.0	+1.6
AHID	Auburn Hatcher	128.32	69	PFAKE	LR	12 51 30.0	+1.6
MID	Middleton Isla	128.38	34	PFAKE	LR	12 51 30.0	+1.6
CRPR	Cabo Rojo, PR	128.39	127	PFAKE	LR	12 51 30.0	+1.5
TORD	Torodi Ar. Bea	128.42	215	PKP	PKPdf	12 51 11.9	-3.3
TOA1	Torodi Ar. Sit	128.43	215	ePKPpre	PKPpre	12 51 11.9	
BBB	Bella Bella	128.49	50	PFAKE	LR	12 51 30.0	+1.6
ANM	Nome	128.57	21	PFAKE	LR	12 51 30.0	+1.6
ISCO	Idaho Springs	128.58	76	ePKPdf	LR	12 51 17.8	+2.6
ISCO	Idaho Springs	128.58	76	ePKIKP	MLR	12 51 17.8	+2.6
ISCO	Idaho Springs	128.58	76	P	PKPdf	12 51 17.1	+1.9
241A	Mo Tay, Goldon	128.59	92	PFAKE	LR	12 51 30.0	+1.5
140A	Cam and Jess,	128.77	91	PFAKE	LR	12 51 30.0	+1.5
RC01	Rabbit Creek A	128.88	31	PFAKE	LR	12 51 30.0	+1.5
REDW	Red Top Meadow	128.90	69	ePKPdf	LR	12 51 16.4	+0.9
SUA	Susitna One	128.95	31	PFAKE	LR	12 51 30.0	+1.5
TPAW	Teton Pass	128.96	69	ePKPdf	LR	12 51 18.7	+3.0
B08A	Colville Reser	129.02	59	PFAKE	LR	12 51 30.0	+1.5
FKWY	Fox Creek,	129.04	69	ePKPdf	LR	12 51 18.8	+3.0
BW06	Boulder Array	129.04	70	ePKPdf	LR	12 51 16.7	+0.9
BW06	Boulder Array	129.04	70	P	PKPdf	12 51 16.8	+0.9
PD31	Pinedale Array	129.04	70	ePKPdf	PKPdf	12 51 16.6	+0.8
PDAR	Pinedale Array	129.04	70	PKP	PKPdf	12 51 14.4	-1.4
PDAR	Pinedale Array	129.04	70	ePKPdf	PKPdf	12 51 16.0	+0.2
C09A	Chrisman Ranch	129.04	60	PFAKE	LR	12 51 30.0	+1.5
MCMT	McKenzie Canyo	129.13	66	ePKPdf	PKPdf	12 51 14.5	-1.4
SKT	Skwentna	129.20	30	PFAKE	LR	12 51 30.0	+1.5
LOHW	Long Hollow	129.21	69	ePKPdf	LR	12 51 20.2	+4.1
MOOW	Moose Ponds	129.25	69	ePKPdf	LR	12 51 18.6	+2.5
CRAIG	Craig	129.27	45	PFAKE	LR	12 51 30.0	+1.5
IMW	Indian Meadow	129.28	68	ePKPdf	LR	12 51 18.4	+2.0
N23A	Red Feather La	129.28	75	ePKPdf	LR	12 51 18.4	+2.0

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N23A	Red Feather La	129.28	75	P	PKPdf	12 51 18.5	+2.0
061Z	Ochopp	129.29	108	PFAKE	LR	12 51 30.0	+1.4
RWWY	Rawlins	129.30	73	PFAKE	LR	12 51 30.0	+1.4
GLI	Glacier Island	129.40	33	PFAKE	LR	12 51 30.0	+1.4
KSCO	Kaye Shedlock'	129.40	79	PFAKE	LR	12 51 30.0	+1.4
FID	Port Fidalgo	129.46	33	PFAKE	LR	12 51 30.0	+1.4
EYAK	Cordova Ski Ar	129.49	34	PFAKE	LR	12 51 30.0	+1.4
FLWY	Flagg Ranch	129.53	68	ePKPdf	PKPdf	12 51 16.7	0.0
Z41A	Richland Creek	129.65	91	PFAKE	LR	12 51 30.0	+1.3
RAGM	Ragged Mountai	129.65	34	PFAKE	LR	12 51 30.0	+1.4
DLMT	Dillon	129.65	66	PFAKE	LR	12 51 30.0	+1.3
GHO	Glory Hole Cre	129.67	31	PFAKE	LR	12 51 30.0	+1.4
LLBL	Lillooet	129.71	55	PFAKE	LR	12 51 30.0	+1.3
YHB	Horse Butte	129.82	68	PFAKE	LR	12 51 30.0	+1.3
PPLA	Purkeypile	129.83	29	PFAKE	LR	12 51 30.0	+1.3
SML	Sawmill	129.85	32	PFAKE	LR	12 51 30.0	+1.4
YMR	Madison River	129.86	68	ePKPdf	PKPdf	12 51 18.0	+0.7
143A	Soes Landing,	129.89	93	PFAKE	LR	12 51 30.0	+1.3
NEW	Newport	129.89	61	P	PKPdf	12 51 20.7	+3.7
DIV	Divide	129.96	33	PFAKE	LR	12 51 30.0	+1.3
SMRT	St. Maarten	129.97	132	PFAKE	LR	12 51 30.0	+1.2
YHH	Holmes Hill	130.00	68	ePKPdf	LR	12 51 22.0	+4.3
X39A	Fountain Ranch	130.01	89	P	PKPdf	12 51 19.4	+1.7
LRM	Limekiln Ridge	130.07	66	ePKPdf	PKPdf	12 51 17.7	0.0
059A	Moore Haven	130.11	107	PFAKE	LR	12 51 30.0	+1.2
SCM	Sheep Creek Mo	130.14	32	PFAKE	LR	12 51 30.0	+1.3
BMRM	Bremner River	130.15	34	PFAKE	LR	12 51 30.0	+1.3
MSO	Missoula	130.18	64	PFAKE	LR	12 51 30.0	+1.2
MSO	Missoula	130.18	64	P	PKPdf	12 51 18.6	+0.9
KLU	Klutina	130.23	33	PFAKE	LR	12 51 30.0	+1.3
BOZ	Bozeman (W)	130.27	67	PFAKE	LR	12 51 30.0	+1.2
BOZ	Bozeman (W)	130.27	67	P	PKPdf	12 51 20.6	+2.7
WRAK	Wrangell Islan	130.29	44	PFAKE	LR	12 51 30.0	+1.3
TUL1	Leonard	130.30	87	PFAKE	LR	12 51 30.0	+1.2
CAST	Castle Rocks	130.30	28	PFAKE	LR	12 51 30.0	+1.3
MIAR	Mount Ida	130.30	90	PFAKE	LR	12 51 30.0	+1.2
K22A	Casper	130.37	73	PFAKE	LR	12 51 30.0	+1.2
CROM	Cirque	130.38	35	PFAKE	LR	12 51 30.0	+1.2
YKU2	Yakutat	130.39	38	PFAKE	LR	12 51 30.0	+1.3
TGL	Tana Glacier	130.47	35	PFAKE	LR	12 51 30.0	+1.2
DHAK	Deception Hill	130.49	39	PFAKE	LR	12 51 30.0	+1.2
060A	Indiantown	130.54	108	PFAKE	LR	12 51 30.0	+1.1
X40A	Basin Creek Fa	130.62	90	PFAKE	LR	12 51 30.0	+1.1
CBKS	Cedar Bluff	130.65	81	PFAKE	LR	12 51 30.0	+1.1
PCA	Pinnacle	130.68	37	PFAKE	LR	12 51 30.0	+1.2
CCAR	Cane Creek	130.69	92	PFAKE	LR	12 51 30.0	+1.1
KTH	Kantishna Hill	130.69	29	PFAKE	LR	12 51 30.0	+1.2
W39A	Magazine	130.72	89	PFAKE	LR	12 51 30.0	+1.1
W39A	Magazine	130.72	89	P	PKPdf	12 51 22.1	+3.1
JTMT	Jette	130.73	63	PFAKE	LR	12 51 30.0	+1.1
BRAL	Brewton	130.77	98	PFAKE	LR	12 51 30.0	+1.1
BALM	Baldy	130.84	35	PFAKE	LR	12 51 30.0	+1.2
DWPF	Disney Wildern	130.94	106	PFAKE	LR	12 51 30.0	+1.0
451A	Vernon	130.95	100	PFAKE	LR	12 51 30.0	+1.0
RLMT	Red Lodge	130.98	69	PFAKE	LR	12 51 30.0	+1.1
146A	Union	130.99	95	PFAKE	LR	12 51 30.0	+1.0
W40A	Ferguson Farm,	131.07	90	PFAKE	LR	12 51 30.0	+1.0

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W40A	Ferguson Farm,	131.07	90	P	PKPdf	12 51 21.8	+2.2
JIS	Juneau Island	131.07	42	PFAKE	LR	12 51 30.0	+1.1
RND	Reindeer	131.07	30	PFAKE	LR	12 51 30.0	+1.1
UALR	University of	131.09	91	PFAKE	LR	12 51 30.0	+1.0
BPBW	Bear Paw Mtn.	131.14	29	PFAKE	LR	12 51 30.0	+1.1
BESE	Bessie Mountai	131.15	41	PFAKE	LR	12 51 30.0	+1.1
DHY	Denali Highway	131.16	31	PFAKE	LR	12 51 30.0	+1.1
HARP	HAARP	131.19	33	PFAKE	LR	12 51 30.0	+1.1
OGNE	Ogallala	131.19	78	PFAKE	LR	12 51 30.0	+1.0
Z45A	Winona	131.27	94	PFAKE	LR	12 51 30.0	+1.0
BVAR	Borovoye Array	131.30	307	PKP	PKPdf	12 51 15.5	-4.0
BRVK	Borovoye	131.37	307	ePKIKP	MLR	12 51 20.6	+1.0
W41B	Gary Mavity, V	131.46	90	PFAKE	LR	12 51 30.0	+1.0
W41B	Gary Mavity, V	131.46	90	P	PKPdf	12 51 22.1	+1.8
656A	Willston	131.47	104	PFAKE	LR	12 51 30.0	+9.5
HHAR	Hobbs	131.50	88	ePKPdf	LR	12 51 21.8	+1.3
BWN	Browne	131.56	29	PFAKE	LR	12 51 30.0	+1.0
PAX	Paxson	131.57	32	PFAKE	LR	12 51 30.0	+1.0
X43A	Marvell	131.60	92	PFAKE	LR	12 51 30.0	+9.4
V40A	Witts Springs	131.67	89	PFAKE	LR	12 51 30.0	+9.2
SKAG	Skagway	131.69	40	PFAKE	LR	12 51 30.0	+1.0
U39A	Green Forest	131.81	88	P	PKPdf	12 51 19.0	-2.0
WALA	Waterton Lakes	131.88	62	PFAKE	LR	12 51 30.0	+9.1
MLY	Manley	131.98	28	PFAKE	LR	12 51 30.0	+1.0
V41A	Mountainview	131.99	90	P	PKPdf	12 51 19.6	-1.8
352A	Blakely	132.06	100	PFAKE	LR	12 51 30.0	+8.4
U40							

BGNE	Belgrade	133.42	80	PFAKE	LR	LR	12 51 40.0	+16
X48A	Hartselle	133.44	96	PFAKE	LR	LR	12 51 40.0	+16
T42A	Van Buren	133.50	90	PFAKE	LR	LR	12 51 40.0	+16
T42A	Van Buren	133.50	90	P	PKPdf		12 51 25.5	+1.4
LAO	LASA Array	133.56	69	PFAKE	LR	LR	12 51 40.0	+16
PBMO	Poplar Bluff	133.62	91	PFAKE	LR	LR	12 51 40.0	+16
PVMO	Portageville	133.69	92	PFAKE	LR	LR	12 51 40.0	+15
W47A	Westpoint	133.81	94	P	PKPdf		12 51 25.8	+1.0
PARMO	Parma	133.87	91	PFAKE	LR	LR	12 51 40.0	+15
COLD	Coldfoot	133.94	27	ePKPdf	LR	PKPdf	12 51 25.7	+1.7
EGAK	Eagle	134.16	33	PFAKE	LR	LR	12 51 40.0	+16
155A	Kite	134.19	101	P	PKPdf		12 51 29.7	+4.1
CCM	Cathedral Cave	134.22	89	PFAKE	LR	LR	12 51 40.0	+15
WVT	Waverly	134.39	94	PFAKE	LR	LR	12 51 40.0	+14
WVT	Waverly	134.39	94	P	PKPdf		12 51 30.4	+4.6
S43A	Fulton Ridge	134.42	90	P	PKPdf		12 51 26.5	+0.7
SWET	Sewanee	134.60	96	PFAKE	LR	LR	12 51 40.0	+14
AKH	Akhalkakali	134.66	278	PFAKE	LR	LR	12 51 40.0	+14
T45A	Paducah	134.69	92	PFAKE	LR	LR	12 51 40.0	+14
SIUC	Southern Illin	134.96	91	PFAKE	LR	LR	12 51 40.0	+13
V49A	McMinnville	135.05	96	P	PKPdf		12 51 33.1	+6.0
TOLK	Toolik Lake Re	135.24	26	PFAKE	LR	LR	12 51 40.0	+14
T47A	Sharon Grove	135.43	93	PFAKE	LR	LR	12 51 40.0	+12
NHSC	New Hope	135.68	103	PFAKE	LR	LR	12 51 40.0	+12
N39A	Derby Farms, D	135.78	85	PFAKE	LR	LR	12 51 40.0	+12
N39A	Derby Farms, D	135.78	85	P	PKPdf		12 51 32.9	+4.7
DGMT	Dagmar	135.80	69	PFAKE	LR	LR	12 51 40.0	+12
V51A	Loudon	135.84	97	PFAKE	LR	LR	12 51 40.0	+11
P42A	Winchester	135.85	88	PFAKE	LR	LR	12 51 40.0	+12
USIN	University of	135.92	92	PFAKE	LR	LR	12 51 40.0	+11
ECSD	EROS Data Cent	135.92	79	PFAKE	LR	LR	12 51 40.0	+12
TKL	Tuckaleechee C	136.00	98	PFAKE	LR	LR	12 51 40.0	+11
SCIA	State Center	136.21	84	PFAKE	LR	LR	12 51 40.0	+11
V52A	Sevierville	136.24	98	PFAKE	LR	LR	12 51 40.0	+11
TAM	Tamanrasset	136.26	224	PFAKE	LR	LR	12 51 40.0	+10
T49A	Edmonton	136.29	95	PFAKE	LR	LR	12 51 40.0	+11
OLIL	Olney	136.30	91	PFAKE	LR	LR	12 51 40.0	+11
Q45A	Warren Harvey	136.40	91	P	PKPdf		12 51 33.6	+4.1
N41A	Harden Midland	136.46	87	PFAKE	LR	LR	12 51 40.0	+10
V53A	Saluda	136.48	99	PFAKE	LR	LR	12 51 40.0	+10
WCI	Wyandotte Cave	136.80	93	PFAKE	LR	LR	12 51 40.0	+10
KIV	Kislovodsk	136.96	280	PFAKE	LR	LR	12 51 40.0	+10
KIV	Kislovodsk	136.96	280	iPKIKP	LR	PKPdf	12 51 28.9	-1.6
KIV	Kislovodsk			e			12 54 10.3	
KIV	Kislovodsk			eSS	SS		13 12 24.7	+5.2
KIV	Kislovodsk			eSSS	SSS		13 17 22.6	
KIV	Kislovodsk			pmx	pmx			
P45A	Glaceland, Par	137.09	91	PFAKE	LR	LR	12 51 40.0	+9.2
HDIL	Hopedale	137.11	88	PFAKE	LR	LR	12 51 40.0	+9.2
L40A	Anamosa	137.31	85	PFAKE	LR	LR	12 51 40.0	+8.9
BLO	Bloomington	137.42	92	PFAKE	LR	LR	12 51 40.0	+8.6
MDND	Madlock	137.50	73	PFAKE	LR	LR	12 51 40.0	+8.7
SS1A	Beattyville	137.66	96	PFAKE	LR	LR	12 51 50.0	+18
SVE	Sverdllovsk	137.94	305	iPKIKP	LR	PKPdf	12 51 43.4	+12
SVE	Sverdllovsk			pmx	pmx			
SVE	Sverdllovsk			MLR	MLR			
SVE	Sverdllovsk			MLR	MLR			
L42A	Oliver, Polo	138.03	87	PFAKE	LR	LR	12 51 50.0	+18
SFIN	Lafayette	138.06	90	PFAKE	LR	LR	12 51 50.0	+17
BR10	Keeskin Array S	138.21	268	ePKPdf	LR	PKPdf	12 51 30.2	-2.8
BRTR	Keeskin Array B	138.21	268	PKP	PKPdf		12 51 30.2	-2.8
ISP	Isparta	138.26	263	PFAKE	LR	LR	12 51 50.0	+17
ISP	Isparta							

M44A	Midewin, Midew	138.36	89	PFAKE	LR	LR	12 51 50.0	+17
JFWS	Jewell Farm	138.42	85	PFAKE	LR	LR	12 51 50.0	+17
I39A	Houston	138.49	83	PFAKE	LR	LR	12 51 50.0	+17
CNNC	Cliffs of the	138.52	104	PFAKE	LR	LR	12 51 50.0	+16
ARU	Arti	138.52	303	PFAKE	LR	LR	12 51 50.0	+17
ARU	Arti	138.52	303	iPKIKP	MLR	PKPpre	12 51 28.4	
INK	Inuvik	138.84	33	PFAKE	LR	LR	12 51 50.0	+17
Q51A	Peebles	138.87	95	PFAKE	LR	LR	12 51 50.0	+16
SPMN	Marine on St.	138.87	81	PFAKE	LR	LR	12 51 50.0	+16
BLA	Blacksburg	138.87	99	P	PKPdf		12 51 37.8	+3.6
N47A	Urbana	139.13	91	P	PKPdf		12 51 36.6	+2.1
K43A	Burlington	139.21	87	PFAKE	LR	LR	12 51 50.0	+15
M46A	Old House Fiel	139.21	90	PFAKE	LR	LR	12 51 50.0	+15
O49A	Covington	139.28	93	PFAKE	LR	LR	12 51 50.0	+15
P51A	Williamsport	139.36	95	PFAKE	LR	LR	12 51 50.0	+15
I41A	Arkdale	139.45	84	PFAKE	LR	LR	12 51 50.0	+15
SANT	Santorini	139.57	257	PFAKE	LR	LR	12 51 50.0	+15
AGMN	Agassiz Nation	139.59	75	PFAKE	LR	LR	12 51 50.0	+15
G39A	Holcombe	139.71	82	P	PKPdf		12 51 36.4	+1.0
I42A	Draeger Farm,	139.80	85	PFAKE	LR	LR	12 51 50.0	+14
N49A	Columbus Grove	139.91	92	PFAKE	LR	LR	12 51 50.0	+14
H41A	Junction City	139.96	84	PFAKE	LR	LR	12 51 50.0	+14
ACSO	Alum Creek Sta	139.97	94	PFAKE	LR	LR	12 51 50.0	+14
M48A	Edgerton	140.07	91	PFAKE	LR	LR	12 51 50.0	+14
ANN	Anapa	140.14	276	iPKIKP	pmx	PKPdf	12 51 37.8	+1.7
ANN	Anapa			pmx	pmx		12 58 45.0	
G40A	Rib Lake	140.17	83	PFAKE	LR	LR	12 51 50.0	+14
P53A	Whipple	140.18	96	PFAKE	LR	LR	12 51 50.0	+14
H42A	Shiocton	140.44	85	PFAKE	LR	LR	12 51 50.0	+13
O52A	Adamsville	140.45	95	PFAKE	LR	LR	12 51 50.0	+13
E38A	The Farm, Brul	140.47	80	PFAKE	LR	LR	12 51 50.0	+13
H43A	Windswept, Lux	140.78	86	PFAKE	LR	LR	12 51 50.0	+13
N51A	Ashland	140.80	94	PFAKE	LR	LR	12 51 50.0	+12
M50A	Fremont	140.84	93	PFAKE	LR	LR	12 51 50.0	+12
YKBS	Yellowknife Ar	140.94	47	ePKPdf	PKPdf		12 51 41.0	+4.0
G42A	Mountain	141.02	84	PFAKE	LR	LR	12 51 50.0	+12
F41A	Three Lakes	141.04	83	PFAKE	LR	LR	12 51 50.0	+12
MCWV	Mont Chateau	141.07	98	PFAKE	LR	LR	12 51 50.0	+12
FFC	Flin Flon	141.11	64	PFAKE	LR	LR	12 51 50.0	+12
CBN	Corbin Frederi	141.13	101	PFAKE	LR	LR	12 51 50.0	+12
AAM	Ann Arbor	141.21	91	PFAKE	LR	LR	12 51 50.0	+12
COWI	Conover	141.28	83	PFAKE	LR	LR	12 51 50.0	+12
G43A	Wallace	141.39	85	PFAKE	LR	LR	12 51 50.0	+12
EYMN	Ely	141.44	79	PFAKE	LR	LR	12 51 50.0	+12
SIM	Simferopol'	141.88	274	iPKIKP	pmx	PKPdf	12 51 37.9	-1.4
ITM	Ithomi	141.91	254	PFAKE	LR	LR	12 51 50.0	+10
N54A	Moraine State	142.00	96	PFAKE	LR	LR	12 51 50.0	+10
BBSR	BB Station	142.13	121	PFAKE	LR	LR	12 51 50.0	+10
O56A	Blue Knob Stat	142.16	98	PFAKE	LR	LR	12 51 50.0	+10
D41A	Chassel	142.24	82	PFAKE	LR	LR	12 51 50.0	+10
SDMD	Soldier's Deli	142.34	101	PFAKE	LR	LR	12 51 50.0	+10
ALLY	Alegheny Cole	142.44	95	PFAKE	LR	LR	12 51 50.0	+10
VRH	Novokhopynsk	142.52	287	iPKIKP	pmx	PKPdf	12 51 41.0	+0.8
E43A	Lone Tree Farm	142.53	84	PFAKE	LR	LR	12 51 50.0	+10
C40A	Isle Royale Na	142.55	81	PFAKE	LR	LR	12 51 50.0	+10
M54A	Oil Creek Stat	142.57	96	PFAKE	LR	LR	12 51 50.0	+9.3

GLMI	Grayling	142.59	88	PFAKE	LR	LR	12 51 50.0	+9.4
SSPA	Standing Stone	142.78	99	PFAKE	LR	LR	12 51 50.0	+8.9
ERPA	Erie	142.87	95	PFAKE	LR	LR	12 51 50.0	+8.8
MVL	Millersville	143.03	101	PFAKE	LR	LR	12 51 50.0	+8.5
E44A	Grand Marais A	143.23	85	PFAKE	LR	LR	12 51 50.0	+8.4
PSUB	Penn St. - Bra	143.41	102	PFAKE	LR	LR	12 52 00.0	+18
VSR	Storozhevo	143.74	285	ePKIKP	PKPbc		12 51 40.4	+0.4
LIT	Litokhoron	143.95	258	ePKPdf	PKPdf		12 51 43.6	+0.4
LIT	Litokhoron	143.95	258	ePKIKP	PKPdf		12 51 43.6	+0.4
LUPA	Likhuniv	143.97	101	ePKPdf	PKPdf		12 51 45.8	+2.7
N59A	State Game Lan	144.02	100	ePKPdf	PKPdf		12 51 50.6	+7.4
N59A	State Game Lan	144.02	100	P	PKPdf		12 51 46.3	+3.0
WDD	Wied Dalam	144.22	245	PFAKE	LR	LR	12 52 00.0	+16
NVR	Nevrokopi	144.25	260	P	PKPab		12 51 37.2	-4.4
TIRR	Tirgurov	144.33	288	iPKIKP	PKPbc		12 51 37.8	-3.9
MMNY	Mt. Morris Dam	144.36	96	PFAKE	LR	LR	12 52 00.0	+16
BRNJ	Basking Ridge	144.43	102	PFAKE	LR	LR	12 52 00.0	+16
CLWO	Collingwood	144.44	92	P	PKPdf		12 51 43.5	-0.4

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data.

IDC 09 13:01:01.5:1.7,5.29S:129.15E,h0km,mb3.6/1, mb1 3.7/4, mb1mx3.4/45, mbtmp3.5/4, ML3.5/7.1, Error ellipse: s-maj=64.6km s-min=27.6km az=81.0, Bando Sea

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data.

IDC 09 13:01:05.9:1.9,3.22N:126.07E,h0km,mb3.5/4, mb1 3.7/4, mb1mx3.4/60, mbtmp3.5/4, Error ellipse: s-maj=120.5km s-min=25.8km az=68.0

DJA 09 13:01:19.4:0.5,3.3N:3.12E,h10km,M4.3/7, mb4.7/5, MLV4.2/7

IDC 09 13:01:12.7:1.9,3.80N:0.2:126.1E:0.1,h100km,n12, c211/11,mb3.4/4,Talud Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data.

MEX 09 13:03:12.3:0.6,14.80N:92.56W,h88km,7km,MD3.7, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data.

GUC 09 13:09:40.4:0.5,30.61S:72.09W,h35km,16km,ML3.5 IDC 09 13:09:38.5:2.5,30.60S:0.05:72.0W:0.1,h5km,13km,n21, c210/26,1C-1D,Off coast of central Chile

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data.

IDC 09 13:16:11.2:2.0,2.39S:127.20E,h0km,mb3.4/2, mb1 3.7/3, mb1mx3.4/40, mbtmp3.5/4, ML3.7/1.1, Error ellipse: s-maj=183.8km s-min=25.1km az=66.0, Ceram Sea

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data.

mb3.7/5, Error ellipse: s-maj=9.2km s-min=6.9km az=174.4

MAN 09 13:23:01.0:9.77N:126.54E,h29km,mb4.8,ML3.7,MS3.7 ISC 09 13:23:00.1:1.1,9.76N:0.05:126.7E:0.1,h42km,n14, c1861/19,mb3.6/5,2C-1D,Mindanao

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data.

ISCJB 09 14:07:57.0:8.5,64N:0.08:126.02E:0.09, h107km,10km,mb3.4/4, Error ellipse: s-maj=15.7km s-min=13.6km az=21.5

MAN 09 14:07:57.1:5.75N:126.11E,h125km,mb4.8,ML3.7, MS3.6

IDC 09 14:07:58.3:1.6,5.85N:126.16E,h13km,17km,mb3.2/4, mb1 3.4/4, mb1mx3.1/42, mbtmp3.6/4, Error ellipse: s-maj=108.2km s-min=20.0km az=68.0

ISC 09 14:07:58.2:1.1,5.63N:0.09:126.01E:0.10,h102km,10km, n12,c194/18,mb3.5/4,1C-2D,Mindanao

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data.

ISCJB 09 14:19:26.4:0.5,32.13N:0.05:138.11E:0.08,h380km, mb2.9/5, Error ellipse: s-maj=9.2km s-min=6.5km

JMA 09 14:19:26.6:0.4,32.09N:138.15E,h378km,ML3.1 IDC 09 14:19:28.1:1.7,32.25N:138.04E,h376km,18km,mb2.8/5, mb1 2.8/10, mb1mx2.7/45, mbtmp3.5/10, Error ellipse: s-maj=35.5km s-min=14.3km az=74.0

ISC 09 14:19:27.2:0.8,32.21N:0.07:138.18E:0.09,h380km,n22, c150/26,mb2.9/5,Southeast of Honshu

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data.

RSNC 09 14:42:43.8:0.8,6.80N:73.14W,h149km,4km,ML3.6, Mw3.8,2C-1D,Northern Colombia

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.

JMA 09 14:50:51.7:0.1,37.35N:141.35E,h49km,1km,ML3.5, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data.

KRNET 09 14:53:38.0:0.1,40.17N:71.43E,h11km,mb2.2 SOME 09 14:53:39.7,40.18N:71.37E,h10km

NNC 09 14:53:44.1:3.8,40.34N:71.64E,h0km,mb2.7,mpv2.3, Error ellipse: s-maj=33.8km s-min=15.0km az=48.0

ISC 09 14:53:38.6:1.1,40.20N:0.03:71.41E:0.03,h7km,14km, n17,c193/31,19C-8D,Taijistan

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data.

KRSC 09 15:00:18.4:1.7,60.30N:167.22E,h3km,12km,ML3.6, Eastern Siberia

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data.

IDC 09 15:01:14.4:0.7,6.06N:127.66E,h0km,mb4.0/11, mb1 4.1/12, mb1mx3.9/42, mbtmp4.0/12, ML3.7/1, MS3.8/1, ms1 3.8/1, ms1mx2.9/38, Error ellipse: s-maj=52.9km s-min=14.4km az=76.0

MAN 09 15:01:17.2:6.32N:127.56E,h0km,mb4.6,ML3.5,MS3.3 ISCJB 09 15:01:19.4:0.4,5.97N:0.06:127.53E:0.06,h52km, mb4.0/17,MS3.8/1, Error ellipse: s-maj=10.9km s-min=4.8km az=138.9

NEIC 09 15:01:22.0:1.0,5.98N:127.64E,h59km,9km,mb4.2/8, Error ellipse: s-maj=16.1km s-min=4.9km az=69.0

ISC 09 15:01:20.8:0.6,5.98N:0.07:127.62E:0.09,h52km,n35, c1869/41,mb4.1/17,2D,Philippine Islands 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, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DDMP Sorong, KMSI Cibinong, SKMP Bagumbayan, etc.

DJA 09 15:38:53.4-0.9,2.3,15.222S,66.95E, h15km, mb3.4/4, ML3.5/4, Near north coast of Irian Jaya

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GENI Genyem, JAY Jayapura, WAMI Wamena, etc.

IDC 09 15:44:04.2-3.3,15.222S,66.95E, h0km, mb3.4/4, mb1 3.6/4, mb1mx3.3/3.2, mbmtmp3.4/4, MS3.8/4, Ms1 3.9/4, ms1mx3.3/2.5, Error ellipse: s-maj=69.7km s-min=33.6km az=58.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like H08S1 Diego Garcia, H08S2 Diego Garcia, H08S3 Diego Garcia, etc.

IDC 09 15:45:20.1-4.8,60.89S,153.54E, h0km, mb3.4/4, mb1 3.7/3, mb1mx3.6/1.7, mbmtmp3.4/3, ML3.4/1, Error ellipse: s-maj=325.9km s-min=37.6km az=75.0, West of Macquarie Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Vnda Vanda, H01W1 Cape Leeuwin, H01W2 Cape Leeuwin, etc.

NEIC 09 15:50:54.9-0.7,24.45N,109.41W, h10km, mb4.0/20, Error ellipse: s-maj=10.0km s-min=6.3km az=124.0

IDC 09 15:50:57.2-1.4,24.77N,109.27W, h0km, mb3.9/2, mb1 4.1/6, mb1mx3.8/4.7, mbmtmp3.7/6, ML3.8/4, MS4.0/2, Ms1 3.9/2, ms1mx3.1/3.2, Error ellipse: s-maj=35.7km s-min=10.1km az=135.0

ISCJB 09 15:50:58.8-0.6,24.90N,109.35W, h0.05, h17km, mb4.0/4, MS4.0/2, Error ellipse: s-maj=8.5km s-min=4.9km az=43.4

ISCJB 09 15:50:58.8-0.6,24.90N,109.35W, h0.05, h17km, mb4.0/4, MS4.0/2, Error ellipse: s-maj=8.5km s-min=4.9km az=43.4

MEX 09 15:51:01.2-0.7,25.27N,109.82W, h16km, 16km, MD3.9

ISC 09 15:50:59.8-0.7,24.88N,109.43W, h0.09, h17km, n69, s178/70, mb4.1/4, Gulf of California

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like LPIG La Paz, LPIG comp-Z, LPIG 544nm, etc.

ISC 09 15:51:55.9-0.3,20.71N,122.22E, h150km, mb4.1/32, Error ellipse: s-maj=5.8km s-min=5.1km az=21.9

BUJ 09 16:11:56.1,20.71N,122.33E, h162km, mb4.4/14, mb4.5/7

NEIC 09 16:11:57.9-0.6,20.76N,122.18E, h158km, 5km, mb4.3/9, Error ellipse: s-maj=8.3km s-min=6.9km az=131.0

JMA 09 16:12:00.3-0.5,20.87N,122.06E, h134km, Ms3.9

IDC 09 16:12:01.9-2.2,20.78N,122.20E, h204km, 23km, mb3.6/19, mb1 3.8/22, mb1mx3.6/42, mbmtmp4.2/2.2, Error ellipse: s-maj=13.5km s-min=8.5km az=89.0

ISC 09 16:11:57.0-0.5,20.78N,122.09E, h150km, n80, s176/76, mb4.0/32, Philippine Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TWG Pinang, YULB Yu-li, YULB Yulu, etc.

ISC 09 15:57:13.2-1.2,44.53S,14.51W, h0km, mb3.6/2, mb1 3.9/2, mb1mx3.5/2.3, mbmtmp3.6/2, MS3.9/10, Ms1 3.9/10, ms1mx3.7/1.7, Error ellipse: s-maj=119.5km s-min=33.2km az=97.0, Southern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SNA4 Sanae, BOSA Boshu, H01S2 ASCENSION HYDR35, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ROSC El Rosal, KEST Kesra, MKAR Makanchi Array, etc.

NEIC 09 16:06:49.7-0.0,19.63N,64.32W, h55km, MD3.7(RSPR), After RSPR

RSPR 09 16:06:49.7,19.63N,64.32W, h55km, ±11km, MD3.6/8, 12C-8D, Virgin Islands

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

ISCJB 09 16:11:55.9-0.3,20.71N,122.22E, h150km, mb4.1/32, Error ellipse: s-maj=5.8km s-min=5.1km az=21.9

BUJ 09 16:11:56.1,20.71N,122.33E, h162km, mb4.4/14, mb4.5/7

NEIC 09 16:11:57.9-0.6,20.76N,122.18E, h158km, 5km, mb4.3/9, Error ellipse: s-maj=8.3km s-min=6.9km az=131.0

JMA 09 16:12:00.3-0.5,20.87N,122.06E, h134km, Ms3.9

IDC 09 16:12:01.9-2.2,20.78N,122.20E, h204km, 23km, mb3.6/19, mb1 3.8/22, mb1mx3.6/42, mbmtmp4.2/2.2, Error ellipse: s-maj=13.5km s-min=8.5km az=89.0

ISC 09 16:11:57.0-0.5,20.78N,122.09E, h150km, n80, s176/76, mb4.0/32, Philippine Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TWG Pinang, YULB Yu-li, YULB Yulu, etc.

KS15 Wonju Array Si 17.35 16 eP P 16 15 50.6 +0.6

KSR5 Korea Array 17.37 16 P P 16 15 49.8 +0.5

KS01 Wonju Array Si 17.39 16 eP P 16 15 49.4 -0.1

NONG Nongkai 18.07 265 P P 16 15 03.8 +5.1

KMI Kunming 18.33 287 P P 16 16 04.8 +2.8

CHAI Chaiyaphum 19.68 259 P P 16 16 18.1 +0.4

BJJ Beijing 19.85 347 eP P 16 16 21.0 +1.6

JHJ Hachijo jima 2 19.96 48 P P 16 16 17.7 +0.2

JHJ2 Mitsushima 19.98 48 P P 16 16 16.9 -0.9

PBKT Sadao Pong 20.43 262 P P 16 16 26.4 -0.2

MJAR Matushiro Arr 21.09 38 P P 16 16 29.8 +0.2

CMMT Chiang Mai 21.86 269 P P 16 16 40.8 +2.8

CHTO Chiang Mai 21.86 269 eP P 16 16 39.4 +1.4

CHTO Chiang Mai 21.86 269 P P 16 16 40.9 +2.9

CM01 Chiang Mai Arr 21.92 268 eP P 16 16 40.0 +1.5

HHC Hu-ho-hao-te 21.92 338 eP P 16 16 38.0 -0.5

HHC comp-Z,43nm,0.8s pmax pmax

HHC comp-Z,83nm,7.1s pmax pmax

CM31 Chiang Mai Arr 21.92 268 eP P 16 16 40.6 +2.1

9d 18h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H11N2 WAKE ISLAND Hy, H11N3 WAKE ISLAND Hy, H11S3 WAKE ISLAND Hy, etc.

DDA 09 16:34:04.2, 41.03N, 26.46E, h7km, M2.6
ISCJB 09 16:34:05.6, 41.035N, 26.462E, 0.09, h14km, Error ellipse: s-maj=10.3km s-min=5.7km az=171.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KESN Edirne-Kesan, KESN KESN, ERIK Eriki-Kesan, etc.

ISCJB 09 17:02:39.7, 0.6, 32.74N, 0.08, 136.43E, 0.09, h430km, mb3.5/13, Error ellipse: s-maj=12.8km s-min=7.7km az=141.3

DDA 09 17:02:40.9, 1.1, 32.91N, 136.57E, h437km, 14km, mb3.2/13, mb1.3/2.16, mb1mx3.0/5.6, mbtmp3.6/16, Error ellipse: s-maj=28.3km s-min=11.3km az=73.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JIE Ise, JWW Kouya, JAI Aioi, etc.

ISCJB 09 17:58:50.6, 39.51N, 111.05E, h0km, Error ellipse: s-maj=128.5km s-min=95.5km az=12.0, Tyrhenian Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BSO1 Sose, KSRS Korea Array, ASAJ Asahikawa, etc.

NEIC 09 17:21:39.8, 0.0, 19.49N, 64.38W, h64km, MD3.8(RSPR), After RSPR

RSPR 09 17:21:39.8, 19.49N, 64.38W, h64km, 10km, MD3.8/7, 7C-3D, Virgin Islands

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

2012 OCT

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CBYP Canovanas, SMRT St. Maarten, HUMP Col San Antoni, etc.

IDC 09 17:22:23.8, 1.1, 2.72S, 139.34E, h0km, mb3.5/4, mb1.3/8.5, mb1mx3.0/3.0, mbtmp3.6/5, ML3.8/1, Error ellipse: s-maj=29.3km s-min=14.0km az=159.0, Near north coast of Irian Jaya

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

ISCJB 09 17:52:49.5, 0.5, 61.149S, 0.06, 153.0E, 0.2, h10km, mb4.2/10, MS4.6/13, Error ellipse: s-maj=15.0km s-min=8.5km az=3.2

IDC 09 17:52:50.8, 1.3, 61.58S, 152.48E, h0km, mb4.1/5, mb1.4/3.6, mb1mx4.2/19, mbtmp4.2/6, ML4.5/1, MS4.6/14, Ms1.4/6/14, ms1mx4.5/17, Error ellipse: s-maj=38.4km s-min=23.3km az=102.0

NEIC 09 17:52:50.8, 0.6, 61.48S, 153.30E, h10km, mb4.5/12, Error ellipse: s-maj=15.8km s-min=9.0km az=96.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MCQ Macquarie Isls, Vnda Vanda, Vnda Vanda, etc.

ISCJB 09 17:52:50.9, 0.1, 61.49S, 0.08, 153.3E, 0.2, h10km, m48, s186/24, mb4.1/10, MS4.6/13, Balleny Islands region

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

ISCJB 09 17:58:50.6, 39.51N, 111.05E, h0km, Error ellipse: s-maj=128.5km s-min=95.5km az=12.0, Tyrhenian Sea

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

ISCJB 09 18:34:20.9, 1.8, 4.45S, 128.88E, h0km, mb3.4/1, mb1.3/5.4, mb1mx3.3/3.6, mbtmp3.4/4, ML3.2/3, Error ellipse: s-maj=58.9km s-min=29.0km az=82.0, Banda Sea

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

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RKT Rikitea, VAH Vaihoo, TAOE Nuku Hiva Isla, etc.

NIED 09 17:54:00.38, 20N, 142.40E, h0km, Mw3.7, Best double couple: M4.56000, 1014 NP1, 144.00000, 833.00000, lambda=89.00000, NP2, 332.00000, 857.00000, lambda=91.00000

IDC 09 17:54:14.6, 1.4, 38.20N, 142.74E, h0km, mb3.7/5, mb1.3/7.8, mb1mx3.5/5.1, mbtmp3.6/8, ML3.1/2, MS2.5/3, Ms1.2/5.3, ms1mx2.3/2.7, Error ellipse: s-maj=36.2km s-min=21.0km az=82.0

ISCJB 09 17:54:17.9, 1.4, 38.22N, 142.74E, 0.07, h31km, 9km, mb3.6/5, Error ellipse: s-maj=10.2km s-min=7.2km az=34.0

JMA 09 17:54:18.0, 0.1, 38.24N, 142.738E, h34km, 2km, M4.0, ISC 09 17:54:17.1, 3.4, 38.18N, 142.737E, 0.07, h13km, 22km, n28, s149/29, mb3.7/5, Near east coast of eastern Honshu

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

ISCJB 09 17:54:05.2, 40.92N, 26.51E, h19km, 2km, ML1.4/4, ISC 09 16:34:05.1, 2, 40.97N, 0.05, 26.52E, 0.08, h14km, n6, s180/10, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KESN Edirne-Kesan, ERIK Eriki-Kesan, GELI Tayfur-Gelibol, etc.

ISCJB 09 17:58:50.6, 39.51N, 111.05E, h0km, Error ellipse: s-maj=128.5km s-min=95.5km az=12.0, Tyrhenian Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I48TN KESRA INFRASON, I26DE FREYJUN INFRAS, I43RU DUBNA INFRAS, etc.

TJR 09 18:22:27.0, 41.09N, 19.27E, h7km, M2.6/4, BEO 09 18:22:30.6, 1.1, 41.14N, 19.27E, h0km, ML1.9/4, ISC 09 18:22:28.5, 2.3, 41.12N, 0.09, 19.26E, 0.07, h5km, 13km, n11, s48/219, Albania

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

BUI 09 18:34:43.3, 5.09S, 129.57E, h48km, mb4.7/39, mb5.1/24, Ms4.4/8, Ms7.4/15, IDC 09 18:34:43.5, 0.6, 4.55S, 129.11E, h0km, mb4.4/15, mb1.4/6/18, mb1mx4.4/34, mbtmp4.5/16, ML4.4/3, MS3.7/3,

M_s 1.7/3, m₁mx3.2/27, Error ellipse: s-maj=23.5km
 s-min=13.0km az=74.0
 MOS 09 18:34:44.7:1.0, 4.47S:129.30E, h21km, mb5, 1/26, Error
 ellipse: s-maj=12.0km s-min=6.4km az=113.5
 NEIC 09 18:34:45.0:0.2, 4.47S:129.29E, h10km, mb4.9/46, Error
 ellipse: s-maj=5.2km s-min=4.2km az=70.0
 ISCJCB 09 18:34:46.5:0.2, 4.52S:0.03:129.29E:0.02, h33km,
 mb4.8/82, Error ellipse: s-maj=3.7km s-min=3.5km
 az=29.9
 DJA 09 18:34:48.6:0.4, 4.52S:12.9E, h20km, 5km, M4.7/31,
 mb5.2/6, mb4.7/31, ML4.8/15, Mw(mb)4.5/8
 ISC 09 18:34:48.2:0.4, 4.57S:0.04:129.30E:0.05, h35km, n225,
 +162/225, mb4.8/81, 6C-9D, Banda Sea

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h	m	s	ISC
BNDI	Bandanaira	0.57	86	P	Op	Pn	18	34	59.4	+0.5
AAI	Ambon	1.43	308	P	Pn	Pn	18	35	08.1	-3.5
FAKI	Fak Fak	3.34	61	P	Pn	Pn	18	35	39.2	+1.3
FAKI	Fak Fak	3.34	61	ePn	Pn	Pn	18	35	39.2	+1.3
SAUI	Saumlaki	3.92	150	P	Pn	Pn	18	35	49.9	+4.0
SAUI	Saumlaki	3.92	150	ePn	Pn	Pn	18	35	47.7	+1.8
SJUI	Sorong	4.15	28	Pn	Pn	Pn	18	35	49.5	+0.4
SJUI	78nm, 0.3s, baz=236, slow=23, SNR=73									
SJUI	30nm, 0.3s, baz=34, slow=18, SNR=61									
SWI	Sorong	4.15	28	Pn	Pn	Pn	18	35	49.2	+0.1
SANI	Sanana	4.17	307	P	Pn	Pn	18	35	47.6	-1.7
LBMI	Labuha	4.31	305	P	Pn	Pn	18	35	52.1	+0.9
TNTI	Ternate	5.65	340	ePn	Pn	Pn	18	36	10.3	+0.6
TNTI	Ternate	5.65	340	ePn	Pn	Pn	18	36	08.5	-1.3
RKPI	Ransiki, Papua	5.71	58	Pn	Pn	Pn	18	36	11.8	+1.2
KDI	Kendari	6.72	275	P	Pn	Pn	18	36	28.1	+3.7
BBSI	Bakau	6.79	262	P	Pn	Pn	18	36	28.5	+3.0
BBSI	8.8nm, 1.0s, 262nm, 0.0nm									
SOEI	Soe	7.20	224	P	Pn	Pn	18	36	34.4	+3.3
SOEI	78nm, 0.9s, 0.3nm									
SOEI	78nm, 0.9s, 0.3nm									
KMSI	Cibinong	7.20	224	ePn	Pn	Pn	18	36	32.0	+0.9
KMSI	Cibinong	7.39	314	P	Pn	Pn	18	36	32.8	-0.8
LWUI	Luwuk	7.42	298	P	Pn	Pn	18	36	34.2	+0.1
LWUI	Luwuk	7.42	298	ePn	Pn	Pn	18	36	34.2	+0.1
BAKI	Blak	7.55	64	P	Pn	Pn	18	36	37.8	+1.9
BAKI	Blak	7.55	64	Pn	Pn	Pn	18	36	37.8	+1.9
BATI	Baumata	7.94	225	P	Pn	Pn	18	36	42.2	+1.0
BATI	Baumata	7.94	225	Pn	Pn	Pn	18	36	42.2	+1.0
BATI	Baumata	7.94	225	Pn	Pn	Pn	18	36	42.2	+1.0
BATI	6.5nm, 0.3s, baz=170, slow=14, SNR=14									
MMRI	Maumere	8.12	240	P	Pn	Pn	18	36	48.8	+5.1
MMRI	Maumere	8.12	240	ePn	Pn	Pn	18	36	48.8	+5.1
MMRI	Maumere	8.12	240	ePn	Pn	Pn	18	36	43.4	-0.3
MTN	Manton Dam	8.42	168	ePn	Pn	Pn	18	36	49.5	+1.8
APSI	Ampana	8.49	295	P	Pn	Pn	18	36	49.5	+0.8
EDFI	Ende, Flores	8.65	241	P	Pn	Pn	18	36	52.7	+1.7
EDFI	26nm, 1.0s									
MRSI	Marisa	8.92	304	P	Pn	Pn	18	36	55.0	+0.4
MRSI	88nm, 1.0s, 571nm									
BNSI	Bone	9.20	271	P	Pn	Pn	18	37	02.1	+3.7
BNSI	19nm, 0.7s									
BKSI	Bulukumba	9.20	265	P	Pn	Pn	18	37	03.3	+4.8
SPSI	Sidrap, Palu	9.55	273	P	Pn	Pn	18	37	04.8	+1.5
SPSI	8.5nm, 0.7s									
TTSI	Tana Toraja	9.61	279	P	Pn	Pn	18	37	06.7	+2.6
TTSI	23nm, 1.0s									
PCI	Palu	10.15	291	P	Pn	Pn	18	37	13.9	+2.3
PCI	68nm, 0.9s, 798nm									
MPSI	Mapaga	10.61	297	P	Pn	Pn	18	37	17.1	-0.6
MPSI	9.1nm, 0.9s									
DAV	Davao City (W)	12.15	342	LR	LR	LR	18	37	48.6	
DAV	comp=Z, 2.5nm, 1.9s, 4s, baz=153, slow=40									
FITZ	Fitzroy Crossi	13.93	195	Pn	Pn	Pn	18	37	59.7	-3.4
FITZ	0.4nm, 0.3s, baz=37, slow=7, SNR=20									
JAGI	Jaggi, Banyuw	15.57	255	ePn	Pn	Pn	18	38	25.3	+0.1
JAGI	12nm, 1.4s, 2nm									
WRAB	Tennant Creek	16.04	163	ePn	Pn	Pn	18	38	28.4	-2.8
WRAB	18nm, 0.9s									
WRAB	Tennant Creek	16.04	163	eP	Pn	Pn	18	38	28.7	-2.5
WR1	Warramunga Arr	16.05	163	ePn	Pn	Pn	18	38	28.5	-2.8
WR1	31nm, 1.1s									
WR1	Warramunga Arr	16.05	163	eSn	Pn	Pn	18	41	19.3	-8.9
WR1	0.3nm, 0.3s, baz=342, slow=12, SNR=25									
WRA	Warramunga Arr	16.05	163	Pn	Pn	Pn	18	41	19.3	-8.9
WRA	baz=356, slow=22, SNR=21									
WRA	Warramunga Arr	16.05	163	iP	Pn	Pn	18	38	27.7	-3.6
WRA	comp=Z, 5.0nm, 0.8s									
WB2	Warramunga Arr	16.05	163	ePn	Pn	Pn	18	38	27.6	-3.8
WB2	comp=Z, 2.2nm, 1.0s									
COEN	Coen	16.54	125	ePn	Pn	Pn	18	38	37.7	+0.1
COEN	comp=Z, 1.8nm, 0.8s									
KKM	Kota Kinabalu	16.81	309	ePn	Pn	Pn	18	38	37.5	-3.6
KKM	comp=Z, 1.1nm, 1.3s									
PBK1	Pangkalan Bun	17.72	275	P	Pn	Pn	18	38	55.4	+2.5
PBK1	comp=Z, 1.42nm, 1.1s									
MANU	Manus Island	18.18	83	eP	Pn	Pn	18	38	56.3	-1.7
MANU	comp=Z, 2.8nm, 1.5s									
PMG	Port Moresby	18.34	106	P	Pn	Pn	18	38	58.7	-1.0
PMG	comp=Z, 0.2nm, 0.3s, baz=255, slow=16, SNR=2.5									
PMG	Port Moresby	18.34	106	eP	Pn	Pn	18	38	58.6	-1.1
MBWA	Marble Bar	18.95	209	eP	Pn	Pn	18	39	06.4	-0.0
MBWA	comp=Z, 1.9nm, 1.3s									
UGM	Wanagama	18.99	259	eP	Pn	Pn	18	39	06.9	-0.1
UGM	comp=Z, 3.13nm, 1.5s									
AS31	Alice Springs	19.50	167	eP	Pn	Pn	18	39	14.3	+0.5
AS31	comp=Z, 8.2nm, 0.6s									
ASAR	Alice Springs	19.50	167	P	Pn	Pn	18	39	14.4	+0.5
ASAR	comp=Z, 1.3nm, 0.3s, baz=350, slow=11, SNR=64									
ASAR	baz=352, slow=23, SNR=3.4									
ASAR	comp=Z, 0.1nm, 0.3s, baz=346, slow=2.1, SNR=4.7									
AS01	Alice Springs	19.51	167	eP	Pn	Pn	18	39	14.7	+0.7
AS01	comp=Z, 2.2nm, 1.0s									
KPJ1	Karang Pucung	20.47	261	P	Pn	Pn	18	39	27.5	+2.1
KPJ1	comp=Z, 2.8nm, 1.0s									
LEMJ	Lembang	21.72	263	P	Pn	Pn	18	39	39.1	+2.4
LEMJ	comp=Z, 1.2nm, 0.6s, baz=288, slow=20, SNR=4.1									
CTA	Charters Tower	22.57	135	P	Pn	Pn	18	39	48.5	+2.8
CTA	comp=Z, 1.6nm, 0.8s, baz=313, slow=12, SNR=21									
CTA	Charters Tower	22.57	135	eP	Pn	Pn	18	39	47.7	+2.0
CTA	comp=Z, 1.2nm, 0.6s, baz=288, slow=20, SNR=4.1									
RABL	Rabaul	22.77	90	eP	Pn	Pn	18	39	49.3	+1.4
RABL	comp=Z, 4.7nm, 0.9s									
FORT	Forrest	26.10	182	eP	Pn	Pn	18	40	19.2	+0.4
FORT	comp=Z, 4.7nm, 1.1s									
MYKOM	Kota Tinggi	26.23	283	eP	Pn	Pn	18	40	19.6	-0.6
MYKOM	comp=Z, 2.2nm, 1.4s									
YULB	Yu-ii	28.87	345	eP	Pn	Pn	18	40	42.4	-1.3
YULB	comp=Z, 3.8nm, 1.5s									
YOJ	Yonaguni jima	29.50	348	eP	Pn	Pn	18	40	49.2	0.0
YOJ	comp=Z, 2.72nm, 1.2s									
YOJ	Yonaguni jima	29.50	348	eP	Pn	Pn	18	40	49.2	0.0
YOJ	comp=Z, 2.72nm, 1.2s									
STKA	Stephens Creek	29.51	158	P	Pn	Pn	18	40	50.4	+1.1
STKA	comp=Z, 4.7nm, 0.9s, baz=332, slow=8.0, SNR=8.5									
STKA	Stephens Creek	29.51	158	eP	Pn	Pn	18	40	51.2	+2.0
STKA	comp=Z, 2.5nm, 1.3s									
STKA	Stephens Creek	29.51	158	eP	Pn	Pn	18	40	51.2	+2.0
STKA	comp=Z, 3.0nm, 1.3s									
NACB	Ningancian	29.54	346	eP	Pn	Pn	18	40	48.8	-0.8
NACB	comp=Z, 2.2nm, 0.9s									
IPM	Ipoth	29.67	287	eP	Pn	Pn	18	40	50.8	-0.7
IPM	comp=Z, 8.3nm, 0.8s									
NWAO	Narrogin (SRO)	30.40	200	eP	Pn	Pn	18	40	58.1	+1.0
NWAO	comp=Z, 1.24nm, 1.5s									
NWAO	Narrogin (SRO)	30.40	200	eP	Pn	Pn	18	40	58.1	+1.0
NWAO	comp=Z, 1.24nm, 1.5s									
JOW	Kunigami	31.23	358	eP	Pn	Pn	18	41	04.7	+0.2
JOW	comp=Z, 5.7nm, 1.1s									
PSI	Prapat	31.25	283	P	Pn	Pn	18	41	03.5	-1.5
PSI	comp=Z, 2.0nm, 0.3s, baz=180, slow=3.9, SNR=4.2									
PSI	Prapat	31.25	283	eP	Pn	Pn	18	41	03.6	-1.4
PSI	comp=Z, 8.7nm, 1.2s									
PSI	Prapat	31.25	283	eP	Pn	Pn	18	41	03.7	-1.4
PSI	comp=Z, 9.0nm, 1.2s									
SRAK	Srakaw	32.77	305	P	Pn	Pn	18	41	15.9	-2.2
SRAK	comp=Z, 6.0nm, 0.8s									
SKNT	Sakolnaker	32.94	311	P	Pn	Pn	18	41	20.3	+0.6
SKNT	comp=Z, 9.3nm, 2.0s									

NAYO	Nakonayok	33.52	304	P	P	P	18	41	25.6	+0.9
NAYO	comp=Z, 9.3nm, 2.0s									
CBJI	Chichi jima	33.84	21	eP	P	P	18	41	27.5	+0.1
CBJI	comp=Z, 3.2nm, 1.4s									
CHAI	Chaiyaphum	33.85	307	P	P	P	18	41	28.0	+0.4
CHAI	comp=Z, 7.1nm, 0.9s, comp=Z, 9.6nm									

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KS15, KSAR, KSAR, Wonju Array Be, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CNUA, China Poot, SNA, Sutirna One, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like UGM, Wanaqama, SMRI, Semarang, etc.

10d 2h

Table with columns: Station Name, Time, Res, and various codes. Includes stations like POO Lhasa, LSA Lhasa, LSA Jazator, etc.

2012 OCT

Table with columns: Station Name, Time, Res, and various codes. Includes stations like BRTR Keskini Array B, CHTO Chiang Mai, etc.

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Table with columns: Station Name, Time, Res, and various codes. Includes stations like WB2 Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like BBSPP Saint Philip, TOSP Speyside, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MEX 10 01:57:22.014, 19:18N:95:79W, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MEX 10 02:07:48.078, 17:19N:100:09W, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like BKSJ Bulukumba, EDFI Ende Flores, etc.

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MOS 10 02:56:30.027, 48:20N:156:38E, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like SKR Severo-Kuril's, PAU Paudhetka, etc.

ISCJB 10 02:59:42.06.7:3S:01:120:3E:01, h576km, mb3.7/5,

Error ellipse: s-maj=20.7km s-min=9.0km az=147.9
IDC 10 02:59:42.4.1.7.1.036.120.33E.h58km.21km.mb3.3/6,
mb1 3.5/9, mb1mx3.7/106.mbtm3.4/3.9, Error ellipse:
s-maj=48.4km s-min=13.0km az=65.0
DJA 10 02:59:44.4.1.1.7.5.7.12.0E.1.1, h572km, 1.4km, M3.8/B,
mb4.5/1, mb4.0/1, MLV3.6/M, Mw(MB)3.7/1
ISC 10 02:59:42.1.0.7.7.19S.0.10.120.3E.0.1.1, h576km, n22,
e173.25, mb3.6/5, Flores Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BKSJ Bulukumba, EDFI Ende Flores, MMRI Maumere, etc.

ISC/JB 10 03:22:06.7.1.5.32.68S.0.04.71.79W.0.0.09, h15km, 11km,
Error ellipse: s-maj=12.9km s-min=6.9km az=166.0
SJA 10 03:22:06.7.1.2.32.73S.0.1.7.4W, h24km, 1.9km, ML3.6,
Mw1.7

GUC 10 03:22:08.4.0.7.32.61S.71.50W, h33km, 4km, ML3.5
ISC 10 03:22:06.9.2.0.32.70S.0.04.71.76W.0.0.09, h17km, 10km,
n27, e151.53, 7D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ROC1 El Roble, PEL Peledue, CLCH Cerro Calan, etc.

UCR 10 03:59:50.7.1.5.12.04N.86.66W, h78km, 13km, MD4.1,
ML3.2, Nicaragua

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like COPN Copaltepe, XAVN Gruta Xavier, MOMN Momotombo, etc.

IDC 10 03:55:59.4.2.4.6.80S.129.68E, h0km, ML3.7/1,
mb1 4.1/4, mb1mx3.7/32, mbtm3.9/4, ML3.9/3, MS3.5/2,
Ms1 3.6/2, ms1mx2.7/32, Error ellipse: s-maj=102.5km
s-min=28.6km az=76.0, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FITZ Fitzroy Crossi, FITZ Fitzroy Crossi.

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

IDC 10 04:19:27.6.0.9.45.56N.73.24W, h0km, mb3.5/5,
mb1 4.0/10, mb1mx3.6/45, mbtm3.8/10, ML2.9/4, Error
ellipse: s-maj=17.3km s-min=8.5km az=150.0
OTT 10 04:19:29.0.0.1.45.71N.73.27W, h14km, MN4.5/25
OTT 11km southeast from Vercheres, QC, Felt. Felt in
Pointe-aux-Trembles, St-Jerome, St-Hyacinthe,
St-Eustache, Terrebonne, Mirabel, St-Louis-de-Richelieu,
Boucherville, St-Jean-sur-Richelieu, Ste-Sophie, Candiac,
Richelieu, Trois Riviers, Quebec, Pq and Ottawa Ontario
Also felt in upstate New York and Vermont Eastern
Background Seismic Zone.

NEIC 10 04:19:28.4.0.0.45.70N.73.27W, h27km, mb3.8/13,
MN4.5(OTT), After OTT.
NEIC Felt [V] at Saint-Canut and [IV] at Blainville, Boucherville,
Joliette, L'Assomption, Laval, L'Epiphanie, Mirabel,
Repentigny, Saint-Bruno, Sainte-Adele,
Sainte-Anne-des-Plaines, Saint-Basile-le-Grand,
Saint-Constant, Saint-Julien, Varennes and Vercheres.
Felt widely in southern Quebec and eastern Ontario. Felt
[III] at Hogansburg, Malone, Moers and Mooers Forks,
New York and at Colchester, Jericho, Milton and Williston,
Vermont. Felt in many parts of upstate New York and
Vermont.

ISC 10 04:28.1.1.0.45.71N.0.02.73.25W.0.02, h16km, 7km,
n218, e197.3/287, mb3.5/5, 5C-20D, Southern Quebec

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MNTQ Montreal, Queb, MOQ Mont Orford, etc.

BECC Becancour, BECC Becancour, FRNY Flat Rock, FRNY Flat Rock, FRNY Fletcher, etc.

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

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VTI Waterbury, LONY Lake Ozonia, LONY Lake Ozonia, etc.

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

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ORHO Orleans, Herit, VABO Val Des Bois, VABO Val Des Bois, LATO La Tuque, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like D54A Lac Fusel, PLVO Plevna, PLVO Plevna, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like A16 Riviere Ouelle, A16 Riviere Ouelle, CRLO Chalk River, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like D53A Lac Vacive, D53A Lac Vacive, HRV Adam Dzewonski, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like QUAZ Belchertown, QUAZ Belchertown, WES Weston, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PQI Presque Isle, BINY Binghamton, BINY Binghamton, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WLVO Wesleyville, WLVO Wesleyville, EMMW East Machias, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KSPA Kingston, KSPA Kingston, GGN Saint George, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CLWO Collingwood, CLWO Collingwood, BATG Bathurst New B, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ACTO Acton, LUPA Lehig Uniers, TYNO Tyneside, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BMRO Merrville Lake, BWLO Walkerton, LMN Caledonia Moun, etc.

Table with columns: LMN, comp, Z, 134nm, 0.6s, 6.00 196 ePn, Pn, 04 20 58.4 +2.2, ASAR Alice Springs 148.92 306 PKPbc PKPbc 04 39 16.0 +0.9

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h m s, ISC, JMA 10 04:25:36.7, 29:39N, 130:02E, h58km, 2km, M3.8, Ryukyu

Table with columns: KUR comp=N, 34nm, 0.2s, pmax, pmax, NEM2 Nemuro 2, 1.31 203 P, Pn, 05 18 56.8 -0.7, ISCJB 10 05:29:11.6, 0.4, 39:37N, 0:02:26.09E, 0:04, h9km, 4km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CHOS Chios Island, GELI Tayfur-Gelibol, UURLA Izmir, etc.

IDC 10 05:29:49.0-0.8, 26.11N-96.36E, h0km, mb3.8/11, mb1 4.0/12, mb1mx3.8/38, mbtmp3.8/12, ML4.0/1, MS3.1/8, Ms1 3.2/8, ms1mx2.9/42, Error ellipse: s-maj=36.7km s-min=15.5km az=58.0.

NDI 10 05:29:52.0-1.8, 26.107N-96.65E, h10km, ML3.4, ISCJBJ 10 05:29:55.6-0.9, 26.07N-104.965E, h0km, 8km, mb4.0/16, Error ellipse: s-maj=10.2km s-min=6.9km az=179.8.

NEIC 10 05:29:56.7-0.8, 26.06N-96.37E, h53km, 9km, mb4.2/6, Error ellipse: s-maj=10.7km s-min=5.9km az=53.0. ISC 10 05:29:57.3-1.5, 26.12N-105.9645E, h58km, 14km, n44, e114/45, mb4.0/16, MS3.0/7, Myanmar

Main table of station data for the first section, including stations like LKP Lekhapani, MOKO MOKOCHONG, JORH JORHAT, etc.

IDC 10 05:36:33.8-4.5, 6.62N-134.89E, h0km, mb3.6/4, mb1 3.7/4, mb1mx3.6/4, mbtmp3.6/4, MS2.8/1, Ms1 2.8/1, ms1mx2.4/21, Error ellipse: s-maj=258.1km s-min=28.4km az=76.0, Western Caroline Islands

Table of station data for the second section, including stations like WRR Warramunga Arr, KRS Korea A, etc.

ZALV Zalesovo Beam 62.01 329 P 05 46 57.5 +1.8, KURBB Kurchatov Arra 63.97 324 P 05 47 07.6 -1.3

ISCJBJ 10 05:43:37.9-0.3, 40.60N-102.29E, h6km, 3km, Error ellipse: s-maj=2.9km s-min=2.6km az=10.8, DDA 10 05:43:37.2, 40.57N-102.02E, h7km, M13.5, ISK 10 05:43:37.6, 40.58N-102.02E, h5km, ML3.1/31, ISC 10 05:43:37.9-0.8, 40.58N-102.29E, h17km, 6km, n53, e96/77.3, Turkey

Main table of station data for the third section, including stations like Code Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SBTs Esenkov-Cinarc, GEMT Gemlik, etc.

UCR 10 05:45:03.9-2.1, 11.82N-86.34W, h142km, 9km, MD4.2, ML3.7, ISCJBJ 10 05:45:04.2-0.5, 11.83N-86.33W, h140km, 6km, mb3.8/1, Error ellipse: s-maj=15.8km s-min=4.1km az=138.2, IDC 10 05:45:04.4-1.1, 11.58N-86.46W, h142km, 22km, mb3.5/1, mb1 3.9/3, mb1mx3.2/43, mbtmp4.1/3, Error ellipse: s-maj=154.6km s-min=18.2km az=40.0, TECA 10 05:45:04.1-0.9, 11.81N-87.8637W, h141km, 8km, n32, e130/42, SD, Near coast of Nicaragua

Main table of station data for the fourth section, including stations like Code Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CRUN El Crucero, CRUN Masaya, etc.

SJA 10 05:48:59.8-0.7, 27.99S-66.48W, h182km, 5km, ML3.5, MW3.7, ASCO 10 05:49:00.2-0.5, 27.99S-66.40W, h167km, mb3.1/1, Error ellipse: s-maj=11.0km s-min=5.1km az=30.7, IDC 10 05:49:02.7-7.7, 27.78S-66.25W, h186km, 49km, mb3.2/2, mb1 3.1/5, mb1mx3.0/29, mbtmp3.6/5, Error ellipse: s-maj=85.1km s-min=33.6km az=35.0, ISC 10 05:49:00.0-0.8, 27.99S-67.00W, h167km, n15, e132/20, Caramar Province

Table of station data for the fifth section, including stations like Code Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like AACL CERRO LA CRUZ, AHML Horco Molle, etc.

IDC 10 05:51:52.5-1.1, 38.15N-20.95E, h0km, mb3.8/8, mb1 3.8/11, mb1mx3.7/37, mbtmp3.7/11, ML2.8/2, MS2.7/3, Ms1 2.7/3, ms1mx2.3/47, Error ellipse: s-maj=21.3km s-min=18.1km az=50.0, ISCJBJ 10 05:51:54.0-0.4, 38.07N-02.02E, h21km, 3km, mb3.9/8, Error ellipse: s-maj=3.3km s-min=2.7km az=34.8, THE 10 05:51:54.8, 38.11N-20.81E, h8km, ML3.6/7, Error ellipse: s-maj=0.8km s-min=0.3km az=335.0, ATH 10 05:51:54.3, 38.09N-20.76E, h15km, 2km, ML3.6/12, Error ellipse: s-maj=2.6km s-min=0.8km az=255.0, ISC 10 05:51:54.5-0.8, 38.11N-02.02E, h14km, 5km, n95, e192/130, mb3.9/8, Greece

Main table of station data for the sixth section, including stations like Code Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like VLS Valsamata, ZKS Zakynthos, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like EALK, HORN, VIVF, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like PBVD, PBDV, MTE, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like AKBB, BR101, BRTR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like YHB Horse Butte, ISCO Idaho Springs, DLMT Dillon, MOOV Woodlands, IMW Indian Meadow, etc.

ISCJB 10 06:36:57.9:0.4,37.18N:0.02:4.30E:0.04, h10km, Error ellipse: s-maj=4.0km s-min=3.6km az=169.9

MDD 10 06:36:58.0:0.4,37.05N:4.43E, h0km, mb4.1/1.7, Error ellipse: s-maj=7.4km s-min=4.4km az=36.0, PRXIMO

CRAAG 10 06:36:58.1:4.4,37.00N:4.25E, MI3.3

ISC 10 06:36:58.2:0.9,37.08N:0.04:4.35E:0.04, h10km, n57, s=195/86, Western Mediterranean Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ABA Alger-Bouzarea, SET Setif, DFRA Djebel Bou Aff, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CLLI Livija, EBER Berja, CSOR Sort, EQES Quesada, etc.

ISCJB 10 06:49:11.6:0.6,7.56N:0.06:126.5E:0.1, h200km, mb3.9/1.2, Error ellipse: s-maj=14.7km s-min=8.0km az=177.2

MAN 10 06:49:16.8:7.74N:125.98E, h195km, mb4.5, ML3.3, MS3.1

ISC 10 06:49:22.5:1.5,7.57N:126.87E, h297km, mb3.5/1.2, mb1.3/5.12, mb1mx3.3/4.2, mbtmp4.1/1.2, Error ellipse: s-maj=38.7km s-min=11.3km az=75.0

ISC 10 06:49:13.3:0.8,7.50N:0.06:126.4E:0.1, h200km, n21, s=193/25, mb3.9/1.2, LD, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MATI Matino, DAV Davao City, DMPH Davao City-MII, etc.

ISCJB 10 06:56:06.0:0.7,39.39N:0.05:27.92E:0.04, h12km, 4km, Error ellipse: s-maj=8.1km s-min=5.5km az=174.3

DDA 10 06:56:05.6:39.44N:27.91E, h7km, MI2.6

ISK 10 06:56:06.4:39.43N:27.95E, h15km, ML1.3/3

ISC 10 06:56:05.9:1.0,39.38N:0.05:27.90E:0.04, h15km, 7km, n8, s=99/14, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like STEP BALKESIR, BALB Balikesir, BALS Balikesir, etc.

NNC 10 07:08:46.8:0.3,37.18N:70.69E, h0km, mb3.7, mpv3.3, 4C-2D, Error ellipse: s-maj=23.0km s-min=20.3km az=174.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Sufi-Kurgan, SFK Manas, MNAS Manas, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like URZ Urewera, RPZ Rata Peaks, DZM Mont Dzumac, etc.

CRAAG 10 07:26:48.9:37.02N:4.38E, MI3.6

ISCJB 10 07:26:49.0:3.7,18N:0.02:4.41E:0.02, h10km, mb3.5/4, MS2.8/2, Error ellipse: s-maj=3.2km s-min=2.7km az=31.2

ISC 10 07:26:49.8:1.4,36.91N:4.56E, h0km, mb3.5/4, mb1.3/5.6, mb1mx3.3/4.5, mbtmp3.4/6, ML4.0/1.0, MS2.8/3, MS1.2/8.3, ms1mx2.4/4.0, Error ellipse: s-maj=27.9km s-min=26.5km az=67.0

MDD 10 07:26:52.0:2.4,36.99N:4.45E, h0km, mb4.3/2.1, Error ellipse: s-maj=6.8km s-min=4.1km az=32.0, PRXIMO

LDG 10 07:26:54.8:0.4,37.10N:4.23E, h30km, MI3.2/1.5, Error ellipse: s-maj=6.6km s-min=4.4km az=142.0

ISC 10 07:26:50.5:0.7,37.07N:0.04:4.48E:0.03, h10km, n95, s=245/153, mb3.6/4.2C, Western Mediterranean Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SET Setif, ABA Alger-Bouzarea, DFRA Djebel Bou Aff, etc.

Table with 4 columns: Station Name, Az, Phase ID, Time Res

IDC 10 09:04:16.6,0.6,3.65N,126.48E,h0km,mb4.2/17, mb1.4,3/18,mb1mx4.1/48,mbtmp4.2/18,ML4.4/1,MS3.6/1, MS1.3/6.1,ms1mx2.9/32,Error ellipse: s-maj=30.4km s-min=12.0km az=77.0

ISCJB 10 09:04:21.8,0.3,3.60N,0.04,126.78E,0.05,h53km, mb4.2/20,MS3.6/1,Error ellipse: s-maj=7.3km s-min=4.8km az=158.8

NEIC 10 09:04:21.7,0.3,3.64N,126.47E,h35km,mb4.6/2,Error ellipse: s-maj=18.3km s-min=7.2km az=80.0

DJA 10 09:04:21.1,4.1,4.1N,13.127E,h10km,M4.5/7,mb4.6/7, mB5.0/6,MLV4.7/7,Mw(mb)4.3/6

ISC 10 09:04:23.5,0.5,3.63N,0.05,126.69E,0.07,h53km,n50, s=135/47,mb4.3/20,3C,Taloud Islands

Table with 4 columns: Code, Station Name, Az, Phase ID, Time Res

Table with 4 columns: Code, Station Name, Az, Phase ID, Time Res

BJI 10 09:04:33.4,2.41N,127.46E,h22km,mb4.9/41,mB5.1/28, Ms4.5/17,Ms7.4/21/0

IDC 10 09:04:42.0,0.5,3.68N,126.41E,h0km,mb4.6/24, mb1.4,6/26,mb1mx4.5/49,mbtmp4.6/26,ML4.7/2,Error ellipse: s-maj=23.9km s-min=11.3km az=82.0

MOS 10 09:04:42.2,1.0,3.22N,126.75E,h33km,mb4.9/37,Error ellipse: s-maj=14.8km s-min=7.5km az=107.5

MAN 10 09:04:44.6,4.97N,125.92E,h57km,mb4.8,ML3.8,MS3.7

NEIC 10 09:04:47.0,0.4,3.68N,126.40E,h35km,mb4.7/5,Error ellipse: s-maj=16.8km s-min=6.6km az=82.0

ISCJB 10 09:04:47.2,0.3,3.71N,0.05,126.72E,0.06,h53km, mb4.7/10,MS4.2/6,Error ellipse: s-maj=9.5km s-min=6.8km az=158.8

ISC 10 09:04:49.0,0.4,3.68N,0.07,126.5E,0.1,h53km,n132, s=189/123,mb4.7/69,MS4.2/8,8C-1D,Taloud Islands

Table with 4 columns: Code, Station Name, Az, Phase ID, Time Res

Main table with 4 columns: Station Name, Az, Phase ID, Time Res

Main table with 4 columns: Station Name, Az, Phase ID, Time Res

comp=Z,0.7nm,0.8s,baz=122,slow=1.9,SNR=4.5
TORO Torodi Arr Bea 122.74 288 PKP PKPdf 09 23 38.4 -1.6

IDC 10 09:13:22.9:7.9,14.745:177.10W,h0km,mb3.9/3,
mb1 4.2/3,mb1mx3.728,mbtmp3.9/3, Error ellipse:
s-maj=354.9km s-min=34.3km az=140.0, Fiji Islands
region

KOLA 10 09:21:46.5:61.61N,31.21E,h0km
IDC 10 09:21:46.6:2.7:3.66N,31.02E,h0km,mb1 3.1/3,
mb1mx2.9/3,mbtmp2.9/3,ML2-3/3, Error ellipse:
s-maj=38.5km s-min=8.9km az=103.0

ISIC 10 09:21:42.5:1.5,64.73N,0.05:31.6E,0.1,h0km,n11,
c=253/22, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like Apatity Array, FINESS Array S, FINESS Array B, etc.

IDC 10 09:37:45.2:0.5,53S:147.50E,h218km,26km,mb3.2/5,
mb1 3.5/7,mb1mx3.2/35,mbtmp3.9/7,MS3.8/1,Ms1 3.8/1,
ms1mx2.7/24, Error ellipse: s-maj=48.7km s-min=16.8km
az=116.0

ISICB 10 09:37:46.5:0.8,5:48S:0.06x:147.4E,0.2,h250km,
mb3.7/2, Error ellipse: s-maj=22.4km s-min=6.9km
az=14.2

NEIC 10 09:37:46.3:0.7,5:52S:147.39E,h230km,6km,mb4.3/4,
Error ellipse: s-maj=15.3km s-min=6.0km az=108.0

ISIC 10 09:37:46.8:0.9,5:57S:0.05x:147.5E,0.2,h250km,n24,
c=250/27, Eastern New Guinea region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like Manus Island, Port Moresby, Warramunga Arr, etc.

IDC 10 09:56:25.0:4.0,14:28S:168.35E,h0km,mb3.5/4,
mb1 3.8/4,mb1mx3.5/31,mbtmp3.5/4, Error ellipse:
s-maj=206.9km s-min=28.9km az=146.0, Vanuatu
Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like Warramunga Arr, Alice Springs, etc.

MEX 10 10:02:45.9:0.5,16:31N-98:26W,h12km,2km,MD3.5,
Near coast of Guerrero

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

PNIG Pinitopeta 0.15 58 i P Pg 10 02 48.6 -0.8
PLIG Tlapi 1.28 347 e S Sg 10 02 51.7 -0.2
PNIG Tlapi 1.28 347 e P Pp 10 03 06.1 -3.7
VHO Vista Hermosa 1.64 62 e P Pn 10 03 11.8 -3.0

IDC 10 10:30:54.3:3.0,19:23S:177.99W,h373km,33km,
mb3.5/7,mb1 3.7/7,mb1mx3.3/32,mbtmp4.2/7, Error
ellipse: s-maj=89.4km s-min=20.4km az=158.0, Fiji
Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like Charters Tower, Stephens Creek, Warramunga Arr, etc.

CMAR Chiang Mai Arr 89.40 310 P P 10 02 48.6 -0.8
0.4nm,0.3s,baz=189,slow=4.6,SNR=3.3

MEX 10 10:37:17.5:0.4,16:10N-98:59W,h1km,3km,MD3.9,Near
coast of Guerrero

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

ISICB 10 10:38:49.5:0.5,60:03S:0.06:152:5E,0.2,h10km,
mb4.6/15,MS4.1/12, Error ellipse: s-maj=17.4km
s-min=7.9km az=174.6

IDC 10 10:38:49.1:2.2,60:06S:152:55E,h0km,mb4.2/7,
mb1 4.3/8,mb1mx4.2/23,mbtmp4.2/8,ML3.4/1,MS4.1/14,
MS1.4.1/14,ms1mx4.0/19, Error ellipse: s-maj=56.4km
s-min=17.6km az=84.0

NEIC 10 10:38:51.2:0.3,60:04S:152:49E,h10km,mb4.5/7, Error
ellipse: s-maj=15.5km s-min=6.6km az=79.0

GCMT 10 10:38:55.2:0.3,59:52S:0.02:152:92E,0.04,h12km,2km,
MW4.9/73, Moment Tensor Solution, s24,c28; s73,c101;
Duration: 0 Moment tensor: Scale 1016Nm; Mr0.05t.10;
Mr1.50t.08; Mw-1.55t.09; Mw-1.15t.35; Mw-1.98t.09;
Mw1.34t.39; Best double couple: Mc3.02000x1016
NP1.342.000000, s83.000000, s32.000000. NP2:
s248.000000, s58.000000, s172.000000. Principal axes:
T 3.3040, P1g27.0000, Azm120.0000; N -N.5710,
P1g57.0000, Azm352.0000; P -2.7360, P1g17.0000;
Azmi11.0000; nst1 refers to surface waves, cutoff=40s.
nst2 refers to surface waves, cutoff=50s. Triangular
moment-rater function

ISIC 10 10:38:51.2:0.6,60:05S:0.08:152:5E,0.1,h10km,m54,
c=085/37,mb4.5/15,MS4.1/12,1C,West of Macquarie
Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like Vanda, SBA, Rata Peaks, etc.

IDC 10 10:44:34.2:5.7,59:98S:154:04E,h0km,mb3.7/2,
mb1 3.8/3,mb1mx3.6/25,mbtmp3.6/3,ML3.3/1, Error
ellipse: s-maj=377.4km s-min=34.6km az=75.0, West of
Macquarie Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like Vanda, Cape Leeuwin H, etc.

ISICB 10 10:44:43.5:0.4,63:13N,0.02:27:83E,0.06,h0km, Error
ellipse: s-maj=4.0km s-min=2.8km az=7.0

IDC 10 10:44:45.3:1.4,63:07N:27:92E,h0km,mb1 3.1/3,
mb1mx2.9/40,mbtmp3.0/3,ML1.9/3, Error ellipse:
s-maj=18.8km s-min=5.7km az=104.0

HEL 10 10:44:46.0:0.1,63:12N:27:74E,h0km,ML2.0,Explosion
UPP 10 10:44:46.1:2.6,63:03N:27:58E,h0km,ML1.6
ISIC 10 10:44:46.1:0.9,63:03N:0.03:27:67E,0.04,h0km,n28,
c=1543/43,Finland

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

CMAR Chiang Mai Arr 89.40 310 P P 10 02 48.6 -0.8
0.4nm,0.3s,baz=189,slow=4.6,SNR=3.3

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

CRAAG 10 10:43:18.9:37:13N:4:40E,M13.0
ISICB 10 10:43:19.6:0.5,37:12N:04:4:43E,0.07,h10km, Error
ellipse: s-maj=9.2km s-min=5.2km az=150.0

MDD 10 10:43:25.0:2.9,37:31N:4:22E,h0km,mb3.8/10, Error
ellipse: s-maj=28.2km s-min=22.6km az=117.0, PRXIMO
ISIC 10 10:43:18.4:1.3,37:05N:0.05:4:46E,0.05,h10km,n23,
c=235/29, Western Mediterranean Sea

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

IDC 10 10:44:34.2:5.7,59:98S:154:04E,h0km,mb3.7/2,
mb1 3.8/3,mb1mx3.6/25,mbtmp3.6/3,ML3.3/1, Error
ellipse: s-maj=377.4km s-min=34.6km az=75.0, West of
Macquarie Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like Vanda, Cape Leeuwin H, etc.

ISICB 10 10:44:43.5:0.4,63:13N,0.02:27:83E,0.06,h0km, Error
ellipse: s-maj=4.0km s-min=2.8km az=7.0

IDC 10 10:44:45.3:1.4,63:07N:27:92E,h0km,mb1 3.1/3,
mb1mx2.9/40,mbtmp3.0/3,ML1.9/3, Error ellipse:
s-maj=18.8km s-min=5.7km az=104.0

HEL 10 10:44:46.0:0.1,63:12N:27:74E,h0km,ML2.0,Explosion
UPP 10 10:44:46.1:2.6,63:03N:27:58E,h0km,ML1.6
ISIC 10 10:44:46.1:0.9,63:03N:0.03:27:67E,0.04,h0km,n28,
c=1543/43,Finland

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

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

ISCJB 10:47:29.04.0.4.37.19N.0.02.4.38E.0.04, h10km, Error ellipse: s-maj=4.4km s-min=3.1km az=148.9

CRAAG 10:47:29.8.37.08N.4.41E, M3.6, MDD 10:47:32.5.1.9.36.97N.4.53E, h22km, mb4.3/18, Error ellipse: s-maj=7.3km s-min=6.8km az=135.0

LDG 10:47:35.7.0.3.37.24N.4.13E, h30km, M3.2/10, Error ellipse: s-maj=5.6km s-min=3.3km az=136.0

ISC 10:47:29.0.0.6.37.11N.0.04.4.52E.0.03, h10km, n61, c2370/94, 2C-10, Western Mediterranean Sea

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

MDD 10:11:06:30.9.4.0.37.41N.4.18E, h0km, mb3.6/4, Error ellipse: s-maj=36.2km s-min=33.6km az=143.0, PRXIMO SIN SLOCUN, Western Mediterranean Sea

MEX 10:11:12:21.5.0.5.27.45N.111.46W, h10km, MD3.7, Gulf of California

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like Santa Rosalia, Rata Peaks, etc.

ISC 10:11:31:05.0.6.21.12S.009.177.7W.0.01, h400km, n24, c230/25, mb3.9/15, Fijii Islands region

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

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

SOME 10:11:03:29.1.43.65N.69.62E NNC 10:11:03:30.6.2.5.43.60N.69.60E, h0km, mb3.5, mpv3.0, Error ellipse: s-maj=13.2km s-min=9.0km az=122.0, Suspected Mining explosion.

KRNET 10:11:03:31.0.1.0.42.39N.68.89E, mb3.1, ISC 10:11:03:30.0.3.8.43.9N.0.17.0E.0.01, h0km, n8, c131/13, 10C-6D, Central Kazakhstan

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

MDD 10:11:06:30.9.4.0.37.41N.4.18E, h0km, mb3.6/4, Error ellipse: s-maj=36.2km s-min=33.6km az=143.0, PRXIMO SIN SLOCUN, Western Mediterranean Sea

MEX 10:11:12:21.5.0.5.27.45N.111.46W, h10km, MD3.7, Gulf of California

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like Santa Rosalia, Rata Peaks, etc.

ISC 10:11:31:05.0.6.21.12S.009.177.7W.0.01, h400km, n24, c230/25, mb3.9/15, Fijii Islands region

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

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

DJA 10:11:35:02.0.0.6.0.5.13.3E.1, h10km, M3.8/6, mb3.8/1, MLV3.8/6, Irian Jaya region

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

BUI 10:11:38:55.5.3.88S.139.30E, h30km, mb4.7/34, mb5.0/17, Ms4.8/4, Mst4.6/5

MOS 10:11:38:57.0.9.3.52S.139.13E, h32km, mb5.1/15, Error ellipse: s-maj=14.1km s-min=7.1km az=108.2

ISCJB 10:11:38:58.0.2.0.2.3.59S.0.03.139.24E.0.03, h35km, mb4.7/60, M3.8/8, Error ellipse: s-maj=5.2km s-min=4.1km az=43.2

NEIC 10:11:38:59.0.2.3.52S.139.15E, h35km, mb4.9/27, Error ellipse: s-maj=5.8km s-min=4.5km az=83.0

NEIC Felt (III) at Wamena and (II) at Genyem, IDC 10:11:38:59.7.4.2.3.51S.139.16E, h33km, mb4.3/19, mb5.4/4.2, mb1mx3.4/4.1, mbtmp4.5/24, ML4.7/4, MS3.5/9, M3.13.5/9, ms1mx3.2/30, Error ellipse: s-maj=19.1km s-min=11.7km az=65.0

DJA 10:11:39:02.0.0.4.4.5.2.13.9E.1, h17km, mb5.4/5km, M5.1/18, mb5.4/7, mb5.1/18, MLV5.4/7, Mw(mB)4.9/7

ISC 10:11:39:02.0.0.4.4.5.2.13.9E.1, h17km, mb5.4/5km, M5.1/18, mb5.4/7, mb5.1/18, MLV5.4/7, Mw(mB)4.9/7

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

ISC 10:11:39:02.0.0.4.4.5.2.13.9E.1, h17km, mb5.4/5km, M5.1/18, mb5.4/7, mb5.1/18, MLV5.4/7, Mw(mB)4.9/7

ISC 10:11:39:02.0.0.4.4.5.2.13.9E.1, h17km, mb5.4/5km, M5.1/18, mb5.4/7, mb5.1/18, MLV5.4/7, Mw(mB)4.9/7

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

ISC 10:11:39:02.0.0.4.4.5.2.13.9E.1, h17km, mb5.4/5km, M5.1/18, mb5.4/7, mb5.1/18, MLV5.4/7, Mw(mB)4.9/7

ISC 10:11:39:02.0.0.4.4.5.2.13.9E.1, h17km, mb5.4/5km, M5.1/18, mb5.4/7, mb5.1/18, MLV5.4/7, Mw(mB)4.9/7

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

ISC 10:11:39:02.0.0.4.4.5.2.13.9E.1, h17km, mb5.4/5km, M5.1/18, mb5.4/7, mb5.1/18, MLV5.4/7, Mw(mB)4.9/7

ISC 10:11:39:02.0.0.4.4.5.2.13.9E.1, h17km, mb5.4/5km, M5.1/18, mb5.4/7, mb5.1/18, MLV5.4/7, Mw(mB)4.9/7

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

ISC 10:11:39:02.0.0.4.4.5.2.13.9E.1, h17km, mb5.4/5km, M5.1/18, mb5.4/7, mb5.1/18, MLV5.4/7, Mw(mB)4.9/7

ISC 10:11:39:02.0.0.4.4.5.2.13.9E.1, h17km, mb5.4/5km, M5.1/18, mb5.4/7, mb5.1/18, MLV5.4/7, Mw(mB)4.9/7

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

IDC 10 12:19:48.2.0.8, 10:37N-85:37W, h50km, 6km, mb4, 3/20, m5 4.5/23, mb1mx4.6/30, mbtmp4.6/23, MS4.8/23, Ms1 4.8/23, ms1mx4.6/31 Error ellipse: s-maj=18.3km s-min=9.7km az=45.0

ISC 10 12:19:45.1.0.5, 10:04N-0:04.85:56W-0.03, h27km, 2km, n1179, c177/1248, mb5.2/377, MS5.1/43, 16C-5D, Costa Rica

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

Table with columns: MOIG, Name, Az, Phase, ID, Time, Res, ISC. Lists seismic events with their magnitudes and station identifiers.

Table with columns: Station Name, Az, Phase, ID, Time, Res, ISC. Lists seismic stations and their recorded data, continuing from the previous table.

P45A	baz=185 Graceland, Par comp=Z,94nm,1.3s	29.43 357	eP	P	12 25 45.0 -1.4
P45A	baz=176 Graceland, Par	29.43 357	ePcP	PcP	12 28 52.7 +0.8 12 25 43.9 -2.5
P44A	baz=174 Sand Creek, Wi	29.43 355	P	P	12 25 43.8 -2.6
P50A	baz=174 Jamestown	29.49 3 P	P	P	12 25 44.5 -2.4
P46A	baz=176 Rosedale	29.49 357	P	P	12 25 44.8 -2.1
P53A	baz=176 Whipple comp=Z,179nm,1.3s	29.56 7	eP	P	12 25 47.4 -0.1
P53A	baz=188,SNR=19 Whipple	29.56 7	P	P	12 25 46.5 -1.0
P52A	baz=187,SNR=14 Corning	29.63 5	P	P	12 25 46.8 -1.3
O38A	baz=164,SNR=9.0 Cooks Store, C	29.69 347	P	P	12 25 47.7 -1.0
P43A	baz=174 Skaggs, Pawnee	29.69 354	P	P	12 25 47.7 -2.0
P42A	baz=170 Winchester comp=Z,38nm,1.3s	29.73 353	eP	P	12 25 47.6 -1.4
P42A	Winchester	29.73 353	P	P	12 25 46.8 -2.3
P41A	baz=169 Barry, Barry	29.91 351	P	P	12 25 48.5 -2.2
MCWV	baz=184,SNR=12 Mont Chateau	29.93 9	P	P	12 25 49.5 -1.3
O50A	baz=184,SNR=11 Cable	30.03 3 P	P	P	12 25 49.8 -1.9
O49A	baz=182,SNR=5.2 Covington	30.04 2	eP	P	12 25 51.0 -0.9
O49A	Sheridan	30.04 2	eP	P	12 25 50.0 -1.9
O47A	Farmland	30.08 359	P	P	12 25 49.2 -2.9
O48A	Farmland	30.09 1	P	P	12 25 50.0 -2.3
O51A	Pataskala	30.10 5	P	P	12 25 50.5 -1.8
O44A	Manfield	30.10 356	P	P	12 25 49.7 -2.6
O52A	Adamsville	30.13 6	eP	P	12 25 51.9 -0.7
O52A	Adamsville	30.13 6	P	P	12 25 51.3 -1.3
O45A	Potomac	30.14 357	P	P	12 25 50.2 -2.5
ACSO	Alum Creek Sta comp=Z,74nm,0.9s	30.15 4	eP	P	12 25 52.5 -0.3
ACSO	Alum Creek Sta baz=185,SNR=7.4	30.15 4	P	P	12 25 51.2 -1.6
SFIN	Lafayette comp=Z,192nm,1.5s	30.24 358	eP	P	12 25 51.7 -1.9
SFIN	Lafayette	30.24 358	ePcP	PcP	12 28 54.7 +0.8 12 25 50.4 -3.1
SMDM	Soldier's Deli comp=Z,13nm,0.9s	30.26 13	eP	P	12 25 54.9 +1.1
O42A	Bath	30.30 353	P	P	12 25 51.7 -2.4
O43A	Sugar Creek Fa baz=172	30.30 354	P	P	12 25 50.4 -3.7
O41A	Passleys Farm, baz=169	30.32 352	P	P	12 25 51.5 -2.8
121A	Cookes Peak, D baz=132,SNR=19	30.36 321	P	P	12 25 55.4 +0.5
SRIG	Santa Rosalia comp=Z,32nm,0.9s	30.45 308	eP	P	12 25 58.0 +2.4
HDIL	Hopedale comp=Z,39nm,0.8s	30.57 354	eP	P	12 25 54.9 -1.5
HDIL	Hopedale	30.57 354	P	P	12 25 54.0 -2.4
319A	Douglas comp=Z,47nm,0.8s	30.57 317	eP	P	12 25 58.4 +1.6
KSU1	Kansas State U comp=Z,27nm,0.9s	30.58 343	eP	P	12 25 54.7 -1.9
KSU1	Kansas State U	30.58 343	ePcP	PcP	12 28 57.5 +2.6 12 25 53.8 -2.8
N50A	Nevada	30.64 4	P	P	12 25 54.5 -3.0
N48A	Decatur	30.70 1	P	P	12 25 54.8 -2.7
N44A	Piper City baz=175	30.71 356	P	P	12 25 54.7 -3.0
N47A	Urbana	30.71 360	P	P	12 25 55.7 -2.0
N45A	Kentland baz=178	30.73 357	P	P	12 25 54.9 -2.9
O56A	Blue Knob Stat comp=Z,118nm,1.4s	30.74 11	eP	P	12 25 58.0 0.0
O56A	Blue Knob Stat baz=193,SNR=8.8	30.74 11	P	P	12 25 57.3 -0.7
N46A	Monticello	30.75 358	P	P	12 25 55.2 -2.8
N49A	Columbus Grove comp=Z,75nm,1.0s	30.78 2	eP	P	12 25 57.1 -1.2
N49A	Columbus Grove baz=182	30.78 2	P	P	12 25 56.6 -1.8
BNM	Barren Site	30.80 324	eP	P	12 25 59.4 +0.5
N51A	Ashland	30.88 5	P	P	12 25 57.1 -2.1
N41A	Harden Midland comp=Z,54nm,1.0s	30.90 352	eP	P	12 25 58.5 -0.9
N41A	Harden Midland baz=170,SNR=7.6	30.90 352	P	P	12 25 56.7 -2.7
N42A	Yates Cislalia baz=171,SNR=6.5	30.92 353	P	P	12 25 56.8 -2.7
MVL	Millersville	30.94 14	eP	P	12 25 58.8 -0.9
N43A	Stutzman Famil baz=173	30.94 355	P	P	12 25 57.1 -2.6
LENM	Lemitar	31.01 324	eP	P	12 26 01.8 +1.2
PAGS	Pennsylvania G comp=Z,22nm,0.8s	31.07 13	eP	P	12 26 01.6 +0.8
N40A	Mertuake, Sal baz=188	31.18 351	P	P	12 25 58.7 -3.1
N54A	Moraine State comp=Z,124nm,1.6s	31.19 8	eP	P	12 26 01.8 -0.1
N54A	Moraine State baz=180	31.19 8	P	P	12 26 00.3 -1.7
SSPA	Standing Stone comp=Z,52nm,0.8s	31.22 11	eP	P	12 26 02.4 +0.2
SSPA	Standing Stone baz=184	31.22 11	P	P	12 26 00.9 -1.3
LAZ	Ladron	31.27 324	eP	P	12 26 03.9 +0.9
ANMO	Albuquerque comp=Z,16nm,1.1s	31.28 326	eP	P	12 26 03.0 -0.1
ANMO	Albuquerque	31.28 326	eP	P	12 26 03.6 +0.5
ANMO	Albuquerque comp=Z,19nm,1.7s	31.28 326	P	P	12 26 01.9 -1.1
ANMO	Albuquerque baz=137	31.28 326	P	P	12 25 59.5 -3.3
M44A	Midewin, Midew baz=175	31.30 356	P	P	12 26 00.3 -2.7
M51A	Elyria	31.31 5	P	P	12 26 00.3 -2.7
M50A	Fremont comp=Z,113nm,1.3s	31.32 4	eP	P	12 26 04.3 +1.3
N39A	Derby Farms, D comp=Z,57nm,1.0s	31.32 350	eP	P	12 26 00.4 -2.7
N39A	Derby Farms, D baz=187,SNR=9.0	31.32 350	ePcP	PcP	12 28 58.4 +1.5 12 26 00.3 -2.7
LPZA	La Paz comp=Z,2.0nm,0.8s,baz=276,slow=4.8,SNR=7.4	31.34 146	P	P	12 26 06.8 +2.7
LPZA	La Paz comp=Z,3um,19.3s,baz=312,slow=38	31.34 146	P	P	12 29 32.5
LPZA	La Paz comp=Z,5.2nm,0.9s	31.34 146	eP	P	12 26 07.6 +3.4
LPZA	La Paz	31.34 146	eP	P	12 26 07.6 +3.4
CBKS	Cedar Bluff comp=Z,5.0nm,1.0s	31.34 338	eP	P	12 26 01.9 -1.4
CBKS	Cedar Bluff comp=Z,26nm,0.9s	31.34 338	eP	P	12 26 10.3 -1.1 12 26 58.7 +1.7 12 26 01.9 -1.4 12 28 58.7
CBKS	Cedar Bluff	31.34 338	eP	P	12 26 00.9 -2.4
M49A	Liberty Center baz=183	31.34 2	P	P	12 26 00.2 -3.1

M43A	Waltham Townsh baz=173	31.41 355	P	P	12 26 01.1 -2.7
M42A	Sheffield	31.51 354	P	P	12 26 01.4 -3.3
M41A	baz=172 Milio Springs	31.52 353	P	P	12 26 01.7 -3.1
M40A	Post Highland baz=169	31.68 351	P	P	12 26 03.4 -2.8
M54A	Oil Creek Stat comp=Z,77nm,0.8s	31.77 8	eP	P	12 26 06.0 -1.0
M54A	Oil Creek Stat baz=191	31.77 8	P	P	12 26 04.7 -2.4
L48A	N Adams baz=182	31.79 2	P	P	12 26 04.5 -2.8
L47A	Sherwood baz=180	31.81 1	P	P	12 26 04.2 -3.2
M39A	Webster baz=168	31.85 351	P	P	12 26 04.5 -3.2
T25A	Trinidad comp=Z,80nm,1.8s	31.90 331	eP	P	12 26 08.6 +0.1
T25A	Trinidad	31.90 331	P	P	12 26 06.8 -1.7
N59A	State Game Lan comp=Z,42nm,0.7s	31.95 14	eP	P	12 26 09.3 +0.7
N59A	State Game Lan baz=198,SNR=12	31.95 14	P	P	12 26 07.3 -1.4
L49A	Milan baz=183	31.98 3	P	P	12 26 07.0 -1.9
L42A	Oliver, Polo comp=Z,50nm,0.6s	32.04 354	eP	P	12 26 07.5 -2.0
L42A	Oliver, Polo baz=192,SNR=9.0	32.04 354	P	P	12 26 06.9 -2.5
L43A	Garden Prairie baz=174	32.14 356	P	P	12 26 07.4 -2.9
TUC	Tucson comp=Z,19nm,0.9s	32.16 317	eP	P	12 26 12.5 +1.9
TUC	Tucson	32.16 317	eP	P	12 26 12.5 +1.9
TUC	Tucson comp=Z,19nm,0.9s	32.16 317	P	P	12 26 10.4 -0.3
L41A	Preston baz=171,SNR=9.1	32.20 353	P	P	12 26 08.0 -2.8
L40A	Anamosa comp=Z,37nm,0.8s	32.28 352	eP	P	12 26 09.5 -2.0
L40A	Anamosa baz=169,SNR=11	32.28 352	P	P	12 26 08.7 -2.8
ERPA	Erie comp=Z,59nm,0.8s	32.32 8	eP	P	12 26 11.5 -0.4
ERPA	Erie	32.32 8	P	P	12 26 09.8 -2.1
SCIA	State Center comp=Z,72nm,1.4s	32.45 349	eP	P	12 26 12.8 -0.2
SCIA	State Center	32.45 349	ePcP	PcP	12 29 00.9 +1.1 12 26 09.5 -3.5
L39A	Vinton	32.45 351	P	P	12 26 09.1 -4.0
K47A	Vermontville baz=168	32.51 1	P	P	12 26 10.2 -3.3
KSPA	Keystone Colle comp=Z,95nm,1.5s	32.55 14	eP	P	12 26 14.5 +0.6
KSCO	Kaye Shedlock comp=Z,42nm,1.1s	32.64 335	eP	P	12 26 13.9 -0.9
KSCO	Kaye Shedlock baz=148	32.64 335	P	P	12 26 12.8 -2.1
K48A	Perry baz=182	32.66 2	P	P	12 26 12.2 -2.6
K41A	Shullsburg baz=171	32.70 354	P	P	12 26 12.2 -3.0
K42A	Prairie Point, baz=173	32.78 355	P	P	12 26 13.6 -2.3
K40A	Colochar baz=170	32.90 352	P	P	12 26 13.9 -3.0
SDCO	Great Sand Dun comp=Z,18nm,0.8s	32.91 330	eP	P	12 26 17.4 -0.1
SDCO	Great Sand Dun baz=142,SNR=8.9	32.91 330	P	P	12 26 16.8 -0.7
L36A	Harm Buss Farm baz=163	32.92 347	P	P	12 26 14.4 -2.7
MMNC	Minley Minye comp=Z,30nm,0.9s	32.98 151	eP	P	12 26 23.5 +5.3
JFWS	Jewell Farm comp=Z,33nm,1.0s	33.00 354	eP	P	12 26 15.7 -2.1
JFWS	Jewell Farm	33.00 354	eP	P	12 26 15.7 -2.1
JFWS	Jewell Farm comp=Z,33nm,1.0s	33.00 354	P	P	12 26 14.5 -3.3
K39A	Olwein baz=171	33.01 351	P	P	12 26 15.0 -2.9
J47A	Sunmer baz=181	33.08 1	P	P	12 26 15.7 -2.7
BINY	Binghamton comp=Z,61nm,0.8s	33.12 13	eP	P	12 26 18.5 -0.4
BINY	Binghamton	33.12 13	P	P	12 26 16.3 -2.5
BGNE	Belgrade comp=Z,26nm,0.8s	33.16 343	eP	P	12 26 17.9 -1.4
BGNE	Belgrade	33.16 343	ePcP	PcP	12 29 02.9 +1.0 12 26 16.7 -2.5
MMNY	Mt. Morris Dam comp=Z,59nm,0.8s	33.25 10	eP	P	12 26 19.3 -0.6
J42A	Columbus baz=174	33.30 355	P	P	12 26 17.6 -2.8
W18A	Petrified Fore comp=Z,712nm,1.5s	33.30 322	eP	P	12 26 22.1 +1.3
W18A	Petrified Fore baz=133,SNR=24	33.30 322	P	P	12 26 21.4 +0.6
J43A	Natural Harves baz=175	33.31 356	P	P	12 26 17.1 -3.4
214A	Organ Pipe Nat comp=Z,155nm,5.4	33.33 315	P	P	12 26 20.3 -0.6
K37A	Belmond baz=165,SNR=21	33.36 349	P	P	12 26 17.9 -3.1
K36A	Gilmore City baz=164	33.39 348	P	P	12 26 18.6 -2.6
J41A	Lancaster baz=172	33.42 354	P	P	12 26 18.3 -3.2
J40A	Soldiers Grove baz=171,SNR=6.6	33.53 353	P	P	12 26 19.6 -2.8
S22A	4UR Ranch, Cre comp=Z,33nm,1.3s	33.58 329	eP	P	12 26 23.4 +0.1
S22A	4UR Ranch, Cre baz=140,SNR=19	33.58 329	P	P	12 26 22.6 -0.7
J39A	Decorah baz=169	33.60 352	P	P	12 26 20.0 -3.0
Q24A	Divide baz=143	33.71 332	P	P	12 26 22.3 -2.1
I43A	Langensfeld Bro baz=175,SNR=8.3	33.79 357	P	P	12 26 21.4 -3.2
I42A	Draeger Farm, comp=Z,150nm,1.8s	33.85 356	eP	P	12 26 23.1 -2.1
I42A	Draeger Farm, baz=175	33.85 356	P	P	12 26 22.6 -2.6
X16A	Lo Mia Camp, P comp=Z,24nm,0.8s	33.90 320	eP	P	12 26 27.2 +1.2
I40A	Norwalk baz=171	34.01 353	P	P	12 26 23.3 -3.3
OGNE	Ogallala comp=Z,66nm,1.0s	34.05 337	eP	P	12 26 26.4 -0.7
OGNE	Ogallala	34.05 337	ePcP	PcP	12 29 06.6 +2.1 12 26 25.7 -1.5
MVCO	Mesa Verde comp=Z,104nm,1.7s	34.06 326	eP	P	12 26 27.6 +0.2
MVCO	Mesa Verde	34.06 326	ePcP	PcP	12 29 06.7 +1.8 12 26 27.2 -0.3
I39A	Houston comp=Z,39nm,0.9s	34.08 352	eP	P	12 26 24.7 -2.6
I39A	Houston baz=169,SNR=6.0	34.08 352	P	P	12 26 23.9 -3.4
I41A	Arkdale comp=Z,39nm,0.9s	34.10 354	eP	P	12 26 25.1 -2.2
I41A	Arkdale baz=172	34.10 354	P	P	12 26 23.7 -3.6
TRY	Troy	34.19 16	eP	P	12 26 28.8 +0.6
TRY	Troy	34.19 16	eP	P	12 26 36.0 -0.2 12 26 26.6 -2.9
H43A	Windswept, Lux baz=176	34.35 357	P	P	12 26 27.9 -2.4
H42A	Shiocton comp=Z,36nm,0.9s	34.44 356	eP	P	12 26 27.4 -2.9
H42A	Shiocton baz=175	34.44 356	P	P	12 26 27.4 -2.9
113A	Mohawk Valley, comp=Z,29nm,1.1s	34.46 315	eP	P	12 26 32.6 +2.0

WUAZ	Wupatki comp=Z,27nm,1.1s	34.57 321	eP	P	12 26 33.0 +1.2
WUAZ	Wupatki	34.57 321	P	P	12 26 32.5 +0.7
ISCO	baz=131,SN				

10d 12h

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like G03D, LON, PMNB, E04D, etc.

2012 OCT

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like WRH, COLA, MCK, SUD, etc.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like GPC, DPC, OKC, FINES, etc.

comp=Z,1.8nm,0.8s,baz=219,slow=13,SNR=2.6
TXAR Lajitas Array 70.21 331 P 14 53 00.9 +0.7
 comp=Z,0.6nm,0.6s,baz=156,slow=7.4,SNR=3.9
PDAR Pinedale Array 84.26 334 P 14 54 19.3 +0.3
 comp=Z,0.4nm,0.8s,baz=156,slow=4.9,SNR=3.7
TORDI Torodi Ar. Bea 84.34 70 P 14 54 22.8 +0.4
 comp=Z,0.3nm,0.7s,baz=250,slow=4.1

MEX 10 14:42:16.2±0.5, 16.93N×100.38W, h26km±4km, MD3.6,

Near coast of Guerrero

Code	Station Name	Δ° AZZ	Phase ID	Time Res	ISC
CAIG	El Cayaco	0.16 41	iP	14 42 20.0 -1.4	Pb
CAIG			iS	14 42 23.8 -1.4	Sb
AC2P	Acapulco	0.47 96	eP	14 42 24.1 -1.9	Pb
AC2P			eS	14 42 31.9 -1.3	Sb
MEIG	Mazcala	1.23 36	eP	14 42 35.0 -2.7	Pb
MEIG			eS	14 42 49.7 -3.8	Sb
ZIIG	Zihuatanejo	1.24 303	eP	14 42 35.6 -2.3	Pb
ARIG	Puente Sto Nin	1.34 1	eP	14 42 36.9 -2.4	Pb
ARIG			eS	14 42 53.3 -3.1	Sb
PLIG	Platanillo	1.68 30	eP	14 42 41.7 -2.3	Pb
TLIG	Tlapa	1.84 70	eP	14 42 44.3 -1.9	Pb

NEIC 10 14:48:15.0±1.4, 13.00N±0.89°53'W, h128km±13km, mb4.6/4, MD4.0(SNET), Error ellipse: s-maj=25.0km s-min=12.0km az=219.0

NEIC Felt [I] at San Salvador.
 ISCJB 10 14:48:16.2±0.9, 13.48N±0.09±89°53'W±0.07, h100km, mb4.8/2, Error ellipse: s-maj=14.9km s-min=6.2km az=219.0

UCR 10 14:48:19.0±0.9, 13.30N±0.89°53'W, h62km±8km, ML4.0, mb4.6(NEIC)
 ISC 10 14:48:15.5±1.5, 13.33N±0.1±89°51'W±0.08, h100km, n29, c±203/30, El Salvador

Code	Station Name	Δ° AZZ	Phase ID	Time Res	ISC
CEVE	Cerro Verde	0.56 359	eP	14 48 41.9 -2.5	Sn
SNET	Serv Nac Est T	0.56 42	eS	14 48 40.0 -4.1	Sn
SNET			IAML	14 48 42.6	
BOQS	Boqueron	0.56 35	eP	14 48 31.6 -0.5	Pn
UESS	San Salvador	0.59 43	IAML	14 48 43.7	
OPAM	San Salvador	0.60 42	eS	14 48 41.3 -3.3	Sn
CUSC	San Salvador	0.62 42	eS	14 48 42.1 -2.8	Sn
LFRS	El Retiro	0.63 357	eP	14 48 32.9 +0.4	Pn
RFR	El Faro	0.64 57	eP	14 48 31.9 -0.7	Pn
LFU	La Fuente	0.66 45	eP	14 48 32.6 +0.3	Pn
UNIC	Santa Ana	0.72 4	eP	14 48 33.4 +0.1	Pn
UNIC			IAML	14 48 47.2	
PAVA	Las Pavas	0.79 56	eS	14 48 45.7 -2.1	IAML
PAVA			IAML	14 48 47.7	
SNVI	San Vicente	0.83 65	eP	14 48 34.0 -0.3	Pn
SNVI			eS	14 48 46.1 -2.4	Sn
LLGN	La Laguna	1.10 35	eS	14 48 52.2 -1.4	Sn
TECA	Tecapa	1.10 78	eP	14 48 37.5 +0.2	Pn
IXG	ixpaco	1.42 40	eP	14 48 40.7 -2.2	Pn
LCND	La Ca'ada	1.68 88	eP	14 48 45.3 +1.3	Pn
LCND			eS	14 49 05.2 -0.4	Sn
LCND			IAML	14 49 11.0	
CSGN	Cosiguina Valle	2.02 98	ePn	14 48 50.4 +1.9	Pn
TGUH	Tegucigalpa,Un	2.40 98	ePn	14 48 54.3 +1.0	Pn
CCIG	Comitan	3.87 321	ePn	14 49 15.4 +2.3	Pn
BOAB	BOACO BROADBAN	93 102	ePn	14 49 15.3 +1.5	Pn
JTS	JuntasAbangare	5.44 122	ePn	14 49 34.6 +0.4	Pn
TEIG	Tepic	7.10 10	ePn	14 50 00.1 +4.2	Pn
957A	Wimama	15.90 25	ePn	14 51 56.8 +3.2	Pn
HKT	Hockley	17.57 342	eP	14 52 13.4 -0.2	Pn
341A	Kurthwood	18.27 350	eP	14 52 21.2 -0.2	Pn
352A	Blakely	18.63 13	eP	14 52 25.9 +0.6	Pn
TX31	Lajitas Ar. Si	20.63 323	eP	14 52 45.2 -2.0	Pn
IHAR	Hobbs	23.24 351	eP	14 53 11.8 -2.4	Pn
HDIL	Hopedale	27.18 1	eP	14 53 49.3 -0.4	Pn

IDC 10 15:00:55.7±1.3, 6.75S±154.09E, h0km, mb3.6/6, mb1 3.9/7, mb1mx3.7/23, mbtmp3.7/7, ML1.9/1, Error ellipse: s-maj=50.7km s-min=20.8km az=135.0

ISCJB 10 15:01:01.5±1.1, 6.75S±153.9E±0.2, h48km, mb3.5/6, Error ellipse: s-maj=39.2km s-min=11.1km az=146.8

ISC 10 15:01:02.5±1.3, 6.85S±154.0E±0.2, h48km, n8±059/9, mb3.7/6, Bougainville-Solomon Islands region

Code	Station Name	Δ° AZZ	Phase ID	Time Res	ISC
PMG	Port Moresby	7.26 249	Pn	15 02 45.9 -0.2	Sn
PMG			Sn	15 04 07.3 0.0	
WRA	Warramunga Arr	23.12 234	P	15 06 04.6 -0.2	P
ASAR	Alice Springs	25.58 227	P	15 06 27.6 +0.2	P
SONM	Songino Array	66.56 328	P	15 12 01.0 0.0	P
MKAN	Makanchi Array	82.63 319	P	15 13 21.5 +0.7	P
ILAR	Eielsen Array	83.56 22	P	15 13 24.1 -1.1	P
NVAR	Mina Array Bea	92.37 52	P	15 14 08.9 +0.4	P
TORD	Torodi Ar. Bea	152.04 285	PKPbc	15 20 53.8 +0.3	PKPbc

ISCJB 10 15:05:53.6±0.9, 40.60N±0.06±41°24'E±0.06, h0km, Error ellipse: s-maj=9.8km s-min=3.9km az=146.2

DDA 10 15:05:54.0, 40.67N±41°17'E, h7km, M2.5, Suspected Mining explosion.

ISC 10 15:05:54.7±1.4, 40.69N±0.08±41°15'E±0.06, h0km, n7, c±031/31, Turkey

Code	Station Name	Δ° AZZ	Phase ID	Time Res	ISC
CHOM	Cayeli-Rize	0.51 324	eP	15 06 05.9 -0.6	Pb
CHOM			eS	15 06 14.8 +0.4	Sb
DBAD	Bademkaya	0.53 51	iP	15 06 04.9 +0.1	Pb
DBAD			iS	15 06 12.0 +0.3	Sb
DAGI	Agillar	0.70 56	iP	15 06 08.1 0.0	Pb
DAGI			iS	15 06 17.5 +0.4	Sb
DBOC	Borkca	0.77 30	iP	15 06 09.4 +0.1	Pb
DBOC			iS	15 06 19.5 +0.2	Sb
ARTV	Artvin	0.77 50	iP	15 06 09.4 0.0	Pb
ARTV			iS	15 06 19.4 -0.1	Sb
BAYB	BAYBURT	0.80 238	iP	15 06 09.9 -0.1	Pb
BAYB			iS	15 06 20.6 +0.2	Sb
BAYT	Ayd-ntepe-Bay	0.82 250	eP	15 06 10.8 +0.4	Pb

IDC 10 15:29:27.4±0.5, 6.47S±153.76E, h0km, mb4.6/20, mb1 4.7/22, mb1mx4.6/32, mbtmp4.6/22, ML3.8/2, MS3.6/19, Ms1 3.6/19, ms1mx3.5/27, Error ellipse: s-maj=18.0km s-min=12.5km az=89.0

BUI 10 15:29:30.7, 6.28S±153.91E, h29km, mb4.9/46, mB5.1/28, Ms5.0/9, M67.4/78

ISCJB 10 15:29:30.3±0.3, 6.49S±0.04±153.75E±0.04, h29km, mb4.7/76, MS3.8/19, Error ellipse: s-maj=6.2km s-min=5.0km az=30.5

MOS 10 15:29:31.0±1.0, 6.43S±153.75E, h32km, mb5.1/21, Error ellipse: s-maj=10.1km s-min=7.6km az=97.7

NEIC 10 15:29:32.6±0.8, 6.48S±153.73E, h36km, mb4.8/30, Error ellipse: s-maj=6.5km s-min=5.4km az=83.0

DJA 10 15:29:47.8±2.3, 6°S, 10°15'±3E, h88km±17km, M4.8/14, mB5.1/2, mb4.8/14, MLV4.8/1, Mw(mB)4.5/2

ISC 10 15:29:32.1±0.3, 6.49S±0.06±153.75E±0.06, h29km, n180, c±194/185, mb4.8/75, MS3.7/19, 5C-1D, New Britain

Code	Station Name	Δ° AZZ	Phase ID	Time Res	ISC
RABL	Rabaul	2.78 325	ePn	15 30 13.4 -1.3	Pn
HNR	Honiara	6.79 116	ePn	15 31 13.1 +3.2	Pn
HNR	Honiara	6.79 116	ePn	15 31 06.0 +6.5	Pb
HNR	Honiara	6.79 116	ePn	15 31 09.6 -0.3	Pb
HNR	Honiara	6.79 116	ePn	15 31 09.7 -0.3	Pb
PMG	Port Moresby	7.14 246	Pn	15 31 15.7 +1.1	Pn

Code	Station Name	Δ° AZZ	Phase ID	Time Res	ISC
PMG			Sn	15 32 35.6 +0.7	Sn
PMG			LR	15 33 56.3	LR

Code	Station Name	Δ° AZZ	Phase ID	Time Res	ISC
MANU	Manus Island	7.75 304	Pn	15 31 23.0 -0.1	Pn
COEN	Coen	12.78 234	ePn	15 32 31.9 -0.1	Pn
CTA	Charters Tower	15.35 208	ePn	15 33 07.8 +1.0	Pn

Code	Station Name	Δ° AZZ	Phase ID	Time Res	ISC
CTA			LR	15 38 06.0	LR
CTAO	Charters Tower	15.35 208	ePn	15 33 07.8 +1.0	Pn

Code	Station Name	Δ° AZZ	Phase ID	Time Res	ISC
CTAO			Pn	15 33 07.8 +1.0	Pn
CTAO			Pmax	15 33 07.8 +1.0	Pmax

Code	Station Name	Δ° AZZ	Phase ID	Time Res	ISC
EIDS	Eidsvold	18.94 187	eP	15 33 51.5 -0.2	P
DZM	Mont Dzumak	19.75 143	P	15 34 00.8 +0.9	P

Code	Station Name	Δ° AZZ	Phase ID	Time Res	ISC
DZM			LR	15 34 01.7 +0.2	LR
DZM			Pn	15 34 01.7 +0.2	Pn

Code	Station Name	Δ° AZZ	Phase ID	Time Res	ISC
GUMO	Guam	21.82 336	LR	15 41 23.2	LR
WRAB	Tennant Creek	23.10 233	eP	15 34 32.9 -2.9	P

Code	Station Name	Δ° AZZ	Phase ID	Time Res	ISC
WRAB			Pmax	15 34 35.7 -0.1	Pmax
WB2	Warramunga Arr	23.11 233	eP	15 34 34.9 -0.9	P

Code	Station Name	Δ° AZZ	Phase ID	Time Res	ISC
WB2			PcP	15 34 24.0 0.0	P
WRA	Warramunga Arr	23.11 233	eP	15 34 35.2 -0.7	P

Code	Station Name	Δ° AZZ	Phase ID	Time Res	ISC
WRA			PcP	15 38 24.6 +0.2	P
WRA			LR	15 43 26.1	LR

Code	Station Name	Δ° AZZ	Phase ID	Time Res	ISC
SJUI	Sorong	23.12 283	P	15 34 34.6 -1.4	P
MTN	Manton Dam	23.16 252	eP	15 34 34.4 -2.1	P

Code	Station Name	Δ° AZZ	Phase ID	Time Res	ISC
BNDI	Bandaia	23.82 273	P	15 34 42.4 -0.4	P
AS01	Alice Springs	25.57 226	eP	15 34 58.1 -0.7	P

Code	Station Name	Δ° AZZ	Phase ID	Time Res	ISC
AS31	Alice Springs	25.60 226	eP	15 34 58.4 -0.7	P
ASAR	Alice Springs	25.60 226	P	15 34 58.6 -0.5	P

Code	Station Name	Δ° AZZ	Phase ID	Time Res	ISC
ASAR			LR	15 44 18.4	LR
AAI	Ambon	25.61 275	P	15 34 59.5 +0.3	P

Code	Station Name	Δ° AZZ	Phase ID	Time Res	ISC
STKA	Stevens Creek	27.69 203	P	15 35 16.9 -0.9	P
STKA			LR	15 45 21.5	LR

Code	Station Name	Δ° AZZ	Phase ID	Time Res	ISC
SANI	Sanana	28.03 278	P	15 35 20.8 -0.2	P
FITZ	Fitzroy Crossi	29.74 245	P	15 35 35.0 -1.2	P

Code	Station Name	Δ° AZZ	Phase ID	Time Res	ISC
FITZ			LR	15 47 34.2	LR
FITZ			P	15 35 34.8 -1.4	P

Code	Station Name	Δ° AZZ	Phase ID	Time Res	ISC
BATI	Baumata	29.99 261	P	15 35 32.4 -6.1	

DAVA	Damuels	37.41 311	i P	P	17 03 46.7	-0.2
DAVA	SNR=24		i PcP	PcP	17 06 06.3	+0.9
TUE	comp=Z,11nm,0.9s	37.59 309	eP	P	17 03 48.1	-0.4
HVS	comp=Z,13nm,0.7s	37.61 43	i P	P	17 03 50.2	+1.8
BFO	comp=Z,13nm,0.9s	38.67 312	eP	P	17 03 59.0	+1.7
BFO	Black Forest		pmax	pmax		
COP	comp=Z,1.0nm,1.3s	38.75 324	i P	P	17 03 59.6	+1.8
COP	Copenhagen		i P	P	17 03 59.6	+1.8
COP	Copenhagen		pmax	pmax		
SENIN	comp=Z,7.7nm,1.1s	38.97 309	eP	P	17 03 59.5	-0.5
SENIN	Lac Senin/Sane		i P	P	17 04 01.4	-0.5
BNI	comp=Z,4.5nm,0.9s	39.20 306	eP	P	17 04 01.4	-0.5
BNI	Bardonecchia		eP	P	17 04 01.4	-0.5
BNI	Bardonecchia		pmax	pmax		
ECH	comp=Z,4.5nm,0.9s	39.41 311	eP	P	17 04 01.9	-1.6
ECH	Echery		eP	P	17 04 01.9	-1.6
ECH	Echery		pmax	pmax		
GTA	comp=Z,19nm,1.0s	39.95 62	eP	P	17 04 09.4	+1.2
GTA	Gaotai		pP	pP	17 04 12.8	+0.1
GTA	Gaotai		sP	sP	17 04 17.2	+1.3
GTA	Gaotai		sS	sS	17 10 13.2	+0.4
GTA	Gaotai		sS	sS	17 13 00.1	-9.4
GTA	comp=Z,19nm,1.0s		pmax	pmax		
GTA	comp=Z,110nm,6.5s		LR	LR		
GTA	comp=Z,230nm,16.8s		LR	LR		
GTA	comp=Z,340nm,15.8s		LR	LR		
GTA	comp=Z,450nm,16.5s		LR	LR		
APA	Apatity	39.97 349	i P	P	17 04 08.1	+0.3
APA	Apatity		i	i	17 05 40.4	
APA	Apatity		i	i	17 10 23.8	+2.0
APA	Apatity		iSS	SS	17 13 00.0	-8.8
APA	comp=Z,40nm,0.9s		pmax	pmax		
APA	comp=Z,700nm,12.0s		MLR	MLR		
HFS	Hagfors	40.34 331	P	P	17 04 10.9	0.0
HFS	comp=Z,84nm,1.0s,baz=132,slow=8.0,SNR=51		PcP	PcP	17 06 14.9	+0.8
WLF	Waiferdange	40.36 313	i P	P	17 04 11.2	-0.1
WLF	Waiferdange		i P	P	17 04 10.3	-1.1
WLF	Waiferdange		eP	P	17 04 10.3	-1.1
MEM	Membrach	40.67 315	i P	P	17 04 14.6	+0.7
SSB	Saint Sauveur	40.73 307	eP	P	17 04 13.7	-0.8
SSB	Saint Sauveur		eP	P	17 06 15.7	0.0
SSB	Saint Sauveur		eP	P	17 04 13.7	-0.8
SSB	Saint Sauveur		pmax	pmax		
MUD	comp=Z,15nm,0.9s	40.73 324	i P	P	17 04 15.0	+0.8
MUD	Monsted U'grnd		i P	P	17 04 15.0	+0.8
MUD	Monsted U'grnd		i P	P	17 04 15.0	+0.8
MUD	Monsted U'grnd		pmax	pmax		
BCLA	comp=Z,45nm,0.9s	41.06 314	i P	P	17 04 17.8	+0.7
BCLA	Clavier		i P	P	17 04 20.8	+0.6
DOU	Dourbes	41.44 314	i P	P	17 04 21.0	+0.2
OSL	Oslo	41.52 330	eP	P	17 04 20.4	-0.7
NC602	NORSAR Array S	41.56 331	eP	P	17 04 20.7	-0.3
NC602	NORSAR Array S	41.56 331	eP	P	17 04 21.4	-0.7
NC405	NORSAR Array S	41.68 332	eP	P	17 04 23.1	-1.0
SNF	Senefle	41.72 314	i P	P	17 04 23.2	+0.6
UCC	Uccle	41.73 315	i P	P	17 04 21.0	-2.0
HOMB	Homborsund	41.80 327	eP	P	17 04 22.5	-0.8
NB201	NORSAR Array S	41.83 331	eP	P	17 04 22.5	-1.0
NB2	NORSAR Subarra	41.85 331	eP	P	17 04 22.5	-1.0
NB2	NORSAR Subarra		eP	P	17 04 23.1	-0.4
NOA	NORSAR Array B	41.85 331	P	P	17 05 56.1	-4.2
NOA	comp=Z,4.9nm,0.8s,baz=126,slow=11,SNR=5.6		PP	PP	17 23 08.8	
NOA	comp=Z,2.70nm,19.9s,baz=120,slow=38		LR	LR		
NC303	NORSAR Array S	41.88 332	eP	P	17 04 22.7	-1.0
KONO	Kongsberg	41.89 329	eP	P	17 04 22.6	-1.2
KONO	Kongsberg		eP	P	17 04 22.6	-1.2
KONO	Kongsberg		pmax	pmax		
KONO	Kongsberg		eP	P	17 04 23.4	-0.4
NA001	NORSAR Array S	41.89 331	eP	P	17 04 23.1	-0.8
NB000	NORSAR Array S	42.03 331	eP	P	17 04 24.1	-0.9
MOY	Mondy	42.14 44	eP	P	17 04 28.4	+2.3
MOY	Mondy		pmax	pmax		
NC204	NORSAR Array S	42.16 331	eP	P	17 04 25.3	-0.7
TAM	Tamanrasset	42.48 273	eP	P	17 04 28.9	-0.3
TAM	Tamanrasset		eP	P	17 04 28.9	-0.3
KEV	Kevo	43.03 347	eP	P	17 04 33.2	+0.3
KEV	Kevo		eP	P	17 04 33.2	+0.3
ARCES	ARCESS Array B	43.15 347	P	P	17 04 34.2	+0.4
ARCES	comp=Z,18nm,0.9s,baz=141,slow=7.9,SNR=37		PP	PP	17 06 11.2	-2.8
ARCES	comp=Z,11nm,0.8s,baz=145,slow=9.6,SNR=7.4		ScP	ScP	17 10 12.6	-1.0
ARCES	comp=Z,1.5nm,0.6s,baz=150,slow=5.1,SNR=6.6		LR	LR	17 27 01.1	
ARCES	ARCESS Array B	43.15 347	eP	P	17 04 33.9	0.0
ARCES	ARCESS Array B		PP	PP	17 06 11.2	-2.8
ARCES	ARCESS Array B		ScP	ScP	17 10 12.6	-1.0
ARCES	ARCESS Array B		eP	P	17 04 34.0	+0.1
AREO	ARCESS Array S	43.15 347	eP	P	17 04 34.8	+0.9
AREO	Kautokeino	43.21 345	eP	P	17 04 34.6	-0.2
BLSS	Blasjo	43.24 328	eP	P	17 04 36.7	+1.1
ZAK	Zakamensk	43.31 46	e	e	17 06 21.7	
ZAK	Zakamensk		pmax	pmax		
ZAK	comp=Z,6.0nm,1.2s		pmax	pmax		
LZH	Lanzhou	43.33 67	eP	P	17 04 36.8	+0.8
LZH	Lanzhou		pP	pP	17 04 42.5	+1.0
LZH	Lanzhou		sP	sP	17 04 44.3	+0.6
LZH	Lanzhou		pmax	pmax		
LZH	comp=Z,38nm,1.1s		pmax	pmax		
LZH	comp=Z,180nm,4.8s		LR	LR		
LZH	comp=Z,520nm,14.6s		LR	LR		
LZH	comp=Z,560nm,14.6s		LR	LR		
LZH	comp=Z,640nm,16.9s		LR	LR		
ODDI	Odda	43.36 328	eP	P	17 04 37.5	+1.7
CHTO	Chiang Mai	43.44 93	eP	P	17 04 36.6	-0.3
CHTO	Chiang Mai		eP	P	17 04 37.7	+0.9
CHTO	Chiang Mai		eP	P	17 04 36.6	-0.3

CHTO	comp=Z,25nm,1.0s	43.60 94	P	P	17 04 37.3	+0.4
CHTO	Chiang Mai	43.44 93	P	P	17 04 36.1	-0.1
NSS	Namsos	43.44 336	eP	P	17 04 37.3	+0.4
CMMT	Chiang Mai	43.44 93	P	P	17 04 37.5	+0.5
CM31	Chiang Mai Arr	43.57 94	eP	P	17 04 38.4	+0.4
CM31	Chiang Mai Arr	43.57 94	P	P	17 04 38.0	0.0
CMAR	comp=Z,7.8nm,0.9s,baz=287,slow=8.8,SNR=47	43.60 94	PcP	PcP	17 06 25.7	+0.1
CMAR	comp=Z,4.3nm,1.0s,baz=291,slow=6.6,SNR=6.7	43.60 94	ScP	ScP	17 10 15.2	-1.1
CMAR	comp=Z,0.6nm,0.9s,baz=282,slow=4.5,SNR=4.1	43.60 94	LR	LR	17 25 47.2	
CM01	Chiang Mai Arr	43.60 94	P	P	17 04 37.5	-0.8
TLY	Talaya	43.76 45	eP	P	17 04 41.7	+2.6
TLY	Talaya		eS	S	17 11 13.3	+4.6
TLY	Talaya		eSS	SS	17 14 22.1	-2.2
TLY	comp=Z,14nm,1.3s		pmax	pmax		
TLY	comp=Z,873nm,17.0s		MLR	MLR		
PAYA	Payao	44.03 92	P	P	17 04 42.2	+0.5
CD2	Chengdu	44.05 75	eP	P	17 04 41.0	-0.8
CD2	Chengdu		pmax	pmax		
CD2	comp=Z,10.0nm,0.5s		pmax	pmax		
HOLA	Hoyanger	44.08 330	eP	P	17 04 42.9	+1.4
MYL	Molday	44.12 332	eP	P	17 04 42.5	+0.7
BER	Bergsjö	44.14 328	eP	P	17 04 43.0	+1.0
AKN	Aaknes	44.17 331	eP	P	17 04 44.2	+1.9
KONS	Konvik	44.20 339	eP	P	17 04 42.8	+0.5
ASK	Askoy	44.24 329	eP	P	17 04 41.1	-1.7
HAMF	Hammerfest	44.41 347	eP	P	17 04 45.1	+1.1
STEI	Steigen	44.47 341	eP	P	17 04 44.8	+0.3
KMI	Kumming	44.60 83	P	P	17 04 53.2	-1.0
KMI	Kumming		pP	sP	17 04 56.2	+4.2
KMI	Kumming		sP	sP	17 04 56.2	+4.2
KMI	comp=Z,24nm,1.0s		pmax	pmax		
KMI	comp=Z,79nm,3.6s		LR	LR		
KMI	comp=Z,360nm,18.4s		LR	LR		
KMI	comp=Z,140nm,14.5s		LR	LR		
KMI	comp=Z,170nm,18.3s		LR	LR		
SUL	Sulen	44.67 329	eP	P	17 04 47.2	+1.1
TRO	Tromsø	44.69 344	eP	P	17 04 46.5	+0.9
FOO	Floro	44.76 330	eP	P	17 04 47.4	+0.6
NRIK	Noril'sk	44.84 17	P	P	17 04 48.8	+1.3
NRIK	comp=Z,18nm,0.9s,baz=331,slow=24,SNR=13		LR	LR	17 27 02.1	
NANT	Nan	44.97 92	P	P	17 04 50.0	+0.8
SONM	Songino Array	45.04 50	P	P	17 04 50.4	+0.9
SONM	comp=Z,2.7nm,0.8s,baz=269,slow=8.7,SNR=15		PcP	PcP	17 06 29.3	-0.9
SONM	comp=Z,3.4nm,1.1s,baz=252,slow=5.3,SNR=4.2		LR	LR	17 26 37.8	
SONM	comp=Z,44nm,18.8s,baz=260,slow=40		LR	LR		
SONA	Songino Array	45.05 50	eP	P	17 04 49.7	+0.1
LOF	Loften	45.09 341	eP	P	17 04 49.9	+0.4
UTHA	Uthaitani	45.21 97	P	P	17 04 52.7	+1.6
UTTA	Utтард	45.26 94	P	P	17 04 52.2	+0.7
WOL	Wolverton	45.29 315	eP	P	17 04 51.6	+0.3
WOL	Wolverton		IAMB	IAMB	17 04 52.5	
SRDT	SRDT	45.47 99	P	P	17 04 56.3	+3.2
ULN	Ulanbaatar	45.48 50	eP	P	17 04 53.0	0.0
ULN	Ulanbaatar		eP	P	17 04 53.6	+0.5
ULN	Ulanbaatar		pmax	pmax		
CWF	Charnwood Fore	45.55 317	eP	P	17 04 53.4	+0.1
CWF	Charnwood Fore		IAMB	IAMB	17 04 54.0	
JSA	Saint Aubin	45.66 312	eP	P	17 04 53.7	-0.5
JSA	Saint Aubin		IAMB	IAMB	17 04 54.8	
LBWR	Ladybowyer, Pea	45.91 317	eP	P	17 04 55.8	-0.3
LBWR	Ladybowyer, Pea		IAMB	IAMB	17 04 57.3	
HPK	Haverah Park	45.95 318	eP	P	17 04 56.4	0.0
HPK	Haverah Park		IAMB	IAMB	17 04 57.4	
PBKT	Sadac Pong	46.10 95	P	P	17 04 58.7	+0.6
EDMD	Edmundbyres	46.30 319	eP	P	17 04 59.3	+0.1
EDMD	Edmundbyres		IAMB	IAMB	17 05 00.1	
MONM	Monmouth	46.34 315	eP	P	17 04 59.2	-0.3
MONM	Monmouth		IAMB	IAMB	17 05 00.1	
HLM1	Long Mynd	46.47 316	eP	P	17 05 00.6	0.0
HLM1	Long Mynd		IAMB	IAMB	17 05 01.4	
MCH1	Michaelchurch	46.48 315	eP	P	17 05 00.3	-0.3
MCH1	Michaelchurch		IAMB	IAMB	17 05 01.2	
PHET	Keang Krachan	46.57 100	P	P	17 05 03.1	+1.3
PHET	comp=Z,0.9nm,1.0s,comp=Z,84nm		P	P	17 05 03.2	+0.7
ESY	Stoneyath	46.87 321	i P	P	17 05 03.9	+0.2
KESW	Keswick, Cumb	46.91 319	eP	P	17 05 04.4	+0.5
KESW	Keswick, Cumb		IAMB	IAMB	17 05 05.1	
ES19	SONSECA Array	46.94 298	eP	P	17 05 04.4	-0.1
ES19	SONSECA Array		eP	P	17 05 37.1	+0.1
LLW	Llanuwchllyn	46.99 316	eP	P	17 05 05.7	+0.7
ESDC	Sonsec Array	46.99 298	P	P	17 05 05.7	+0.7
ESDC	comp=Z,13nm,1.0s,baz=81,slow=7.0,SNR=60		PcP	PcP	17 06 37.0	-0.1
ESLA	Sonsec Array	46.99 298	eP	P	17 05 04.9	0.0
ESLA	comp=Z,30nm,1.2s		P	P	17 05 04.9	0.0
DRUM	Mains of Drum	46.99 322	eP	P	17 05 04.5	-0.1
DRUM	Mains of Drum		IAMB	IAMB	17 05 05.5	
EKA	Eskdalemuir Ar	47.06 320	P	P	17 05 05.2	0.0
EKA	Eskdalemuir Ar		Pc			

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include IRAM, IMEH, ISAD, IBRJ, ZNGN, ROKH, ICHK, NASN, IZEF, GENO, ANAR, IKLH, SHME, KRSH, BANOH, TPVR, MSFE, NAZ, GHVR, ASUD, UOSS, HATD, ASHO, ASHO, TNSJ, TKDS, HSIAM, SOHO, IKOO, IKOO, MZR, ITEG, RAYN, BRTR, IDI, MKAR, FINES, NOA, ARCES, TORD.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include IRAM, IMEH, ISAD, IBRJ, ZNGN, ROKH, ICHK, NASN, IZEF, GENO, ANAR, IKLH, SHME, KRSH, BANOH, TPVR, MSFE, NAZ, GHVR, ASUD, UOSS, HATD, ASHO, ASHO, TNSJ, TKDS, HSIAM, SOHO, IKOO, IKOO, MZR, ITEG, RAYN, BRTR, IDI, MKAR, FINES, NOA, ARCES, TORD.

IDA 10 17:59:21.4±2.4, 29.29N;52.47E, h0km, mb3.6/7, mb1 3.7/8, mb1mx3.5/28, mbtmp3.6/8, ML3.2/1, Error ellipse: s-maj=50.0km s-min=24.7km az=162.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include SHI, ISRV, IPAR, IPAR, IKAZ, IKAZ, GHIR, JHRM, JHRM, JHRM, KLNJ, KLNJ, KLNJ, IRAM, IRAM, IRAM, IMEH, IMEH, ISAD, ISAD, ISAD, IBRJ, IBRJ, IBRJ, IGAR, IGAR, IGAR, ZNGN, ZNGN, ZNGN, ZNGN, SHME, KRSH, KRSH, KRSH, BANOH, BANOH, TPVR, TPVR, MSFE, NAZ, GHVR, ASUD, UOSS, HATD, ASHO, ASHO, ASHO, TNSJ, TKDS, HSIAM, SOHO, IKOO, IKOO, MZR, ITEG, RAYN, BRTR, IDI, MKAR, FINES, NOA, ARCES, TORD.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include SHI, ISRV, IPAR, IPAR, IKAZ, IKAZ, GHIR, JHRM, JHRM, JHRM, KLNJ, KLNJ, KLNJ, IRAM, IRAM, IRAM, IMEH, IMEH, ISAD, ISAD, ISAD, IBRJ, IBRJ, IBRJ, IGAR, IGAR, IGAR, ZNGN, ZNGN, ZNGN, ZNGN, SHME, KRSH, KRSH, KRSH, BANOH, BANOH, TPVR, TPVR, MSFE, NAZ, GHVR, ASUD, UOSS, HATD, ASHO, ASHO, ASHO, TNSJ, TKDS, HSIAM, SOHO, IKOO, IKOO, MZR, ITEG, RAYN, BRTR, IDI, MKAR, FINES, NOA, ARCES, TORD.

IDA 10 17:59:21.4±2.4, 29.29N;52.47E, h0km, mb3.6/7, mb1 3.7/8, mb1mx3.5/28, mbtmp3.6/8, ML3.2/1, Error ellipse: s-maj=50.0km s-min=24.7km az=162.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include ASHO, TNSJ, ALNE, ALNE, SOHO, IKOO, IKOO, HOQ, HOQ, BSY, BSY, SMDO, SMDO, RAYN, RAYN, WBK, BRTR, MKAR, ZALV, GERES, FINES, NOA, ARCES, TORD, GUC, NEIC, ISC, ANTU, ANTU, ROCH, ROCH, CLCH, CLCH, PEL, PEL, FCH, FCH, CCHI, PASO, TRQA, CPUP, LAZ, LAZ, SPV, BDFB, SNA, GSPA, TXAR, MAW, BOS, TORD, ZALV, MKAR.

ISCJB 10 18:06:09.3±0.7, 43.89N;0.07±0.05, 19W;0.09, h0km, Error ellipse: s-maj=9.6km s-min=9.4km az=142.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include RSSD, LAO, RLMT, PDAR, PDAR, BW06, OGNE, ISCO, DGMT, EGMT, H10CA, ULM, ULM.

ISCJB 10 18:14:50.2±0.6, 29.17N;0.09±0.17, 178.5W;0.1, h231km, mb4.1/1, Error ellipse: s-maj=13.8km s-min=11.9km az=41.6

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like URZ Urewera, DZM Mont Dzumac, AFI Afiamalu, etc.

MEX 10:18:27.01.0.0.5, 16.26N.98.23W, h11km, 2km, MD3.5, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PNIG Pinotepa, TLIG Tlapa, ANTU Antupama, etc.

IDC 10:18:47.38.5.3.3, 5.96N, 124.01E, h561km, 42km, mb3.9/6, mb1 3.0/6, mb1mx2.7/36, mbmtmp3.6/46, Error ellipse: s-maj=86.1km s-min=14.5km az=69.0, Mindanao

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

NIED 10:18:51.00.37.90N.142.40E, h20km, Mw3.5 Best double couple: M2.32000.1014 NP1.3114.00000. 823.00000. 2.177.00000. NP2.267.00000. 869.00000. 1.67.00000.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JMA 10:18:51.20.8.0.2, 37.91N, 142.45E, h36km, Mw3.0, M3.6

ellipse: s-maj=42.7km s-min=24.0km az=104.0, ISC 10:18:51.21.7.1.8, 38.07N, 0.07, 142.3E.0.1, h14km, n25, r131.22, mb3.3/3, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JIO Ouri, OFUJ Ofunato, JMM Marumori, etc.

IDC 10:19:28.46.2.0.9, 6.16S, 151.96E, h0km, mb4.2/10, mb1 4.3/12, mb1mx3.4/12, mbmtmp3.4/12, MS3.4/4, MS1 3.4/4, ms1mx3.0/27, Error ellipse: s-maj=25.8km s-min=17.3km az=107.8

ISCJB 10:19:50.5.0.7, 6.20S, 0.09, 151.8E.0.1, h36km, mb4.3/16, MS3.3/2, Error ellipse: s-maj=17.3km s-min=9.5km az=35.3

NEIC 10:19:28.53.7.2.7, 6.22S, 151.88E, h53km, 21km, mb4.8/4, Error ellipse: s-maj=21.3km s-min=12.6km az=89.0

ISC 10:19:28.51.9.0.8, 6.19S, 0.10, 151.9E.0.1, h36km, n24, r087.25, mb4.3/16, New Britain region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PMG Port Moresby, HNR Honiara, CTA Charters Tower, etc.

IDC 10:19:39.49.2.3.0, 6.52N, 127.05E, h110km, 24km, mb3.1/4, mb1 3.3/4, mb1mx3.0/29, mbmtmp3.4/4, Error ellipse: s-maj=57.0km s-min=16.3km az=57.0

ISCJB 10:19:39.50.0.7, 5.77N, 0.08, 126.20E.0.0, h105km, 11km, mb3.1/4, Error ellipse: s-maj=13.8km s-min=12.5km az=24.9

MAN 10:19:39.51.2.5, 28N, 126.33E, h119km, mb4.6, ML3.5, MS3.4

ISC 10:19:39.51.6.0.9, 5.85N, 0.08, 126.15E, 0.09, h108km, 5km, n12, r209.19, mb3.2/4, 1C-1D, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like DDMP Don Marcelino, MATI Mati, GSPH General Santos, etc.

ISCJB 10:19:55.05.2.0.3, 51.48N, 0.01, 16.21E, 0.02, h0km, Error ellipse: s-maj=2.2km s-min=1.9km az=32.9

LDG 10:19:55.07.8.0.4, 51.37N, 16.38E, h1km, ML3.3/5, Error ellipse: s-maj=2.0km s-min=3.3km az=11.0, Suspected Mining induced

IDC 10:19:55.08.4.0.6, 51.45N, 16.09E, h0km, mb1 3.3/9, mb1mx3.1/50, mbmtmp3.2/9, ML3.1/8, Error ellipse: s-maj=12.5km s-min=6.1km az=102.0

PRU 10:19:55.08.6.0.0, 51.44N, 16.19E, h0km BGR 10:19:55.09.0.0.3, 51.42N, 16.18E, h1km, ML3.1/12, Error ellipse: s-maj=4.4km s-min=2.2km az=15.0

VIE 10:19:55.09.0.1, 51.41N, 16.14E, h0km, ML3.0/3 70 km WNW of Wroclaw Suspected Mining induced

UPP 10:19:55.12.8.2.6, 51.73N, 15.59E, h5km, ML2.3 WAR 10:19:55.42.3.51, 02N, 15.79E, h1km, Mw2.7

ISC 10:19:55.07.0.6, 51.53N, 0.03, 16.18E, 0.02, h0km, n85, r196/171, 3C-4D, Poland

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KSP Ksiaz, DPC Dobruska-Polom, PVCC Panska Ves, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JHYU, JFT, JMM, etc.

JMA 10 21:39:48.0-0.1, 38.41N-141.79E, h57km, 1km, M3.7,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JIO, OFUJ, JMK, etc.

ISC 10 21:47:51.9-1.1, 9.46N-57.95E, h0km, mb3.7/9,

mb1 3.8/10, mb1mx3.6/49, mbtmp3.7/10, ML2.8/1, MS3.4/8, Ms1 3.4/8, ms1mx3.0/40, Error ellipse: s-maj=30.8km s-min=22.4km az=26.0

ISCJB 10 21:47:53.2-0.9, 9.61N-57.95E, h1km, mb3.6/9,

MS3.4/7, Error ellipse: s-maj=21.2km s-min=17.3km az=136.8

ISC 10 21:47:54.8-1.1, 9.5N-57.95E, h1km, n19,

a117/11, mb3.7/9, MS3.3/7, Carlsberg Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WSAR, H08N2, H08N3, etc.

ISC 10 21:53:07.0-1.3, 4.40S-99.96E, h0km, mb3.8/10,

mb1 3.9/11, mb1mx3.7/51, mbtmp3.8/11, ML4.3/1, Error ellipse: s-maj=45.2km s-min=16.0km az=47.0

ISCJB 10 21:53:10.3-0.7, 4.08S-100.30E, h0.06, h27km,

mb3.8/10, Error ellipse: s-maj=9.2km s-min=5.9km az=141.2

DJA 10 21:53:12.1-0.8, 4.4'S-100.0E, h74km, 14km, MA.0/6,

MLV4.0/6

ISC 10 21:53:13.2-0.9, 3.32S-107.10040E, h0.07, h27km, n19,

a168/24, mb3.8/10, Southern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PPSI, MASI, MNI, etc.

Table with columns: USRK, GEYT, ZALV, BRTR. Includes station names and coordinates.

MEX 10 21:57:29.7-0.4, 17.78N x 103.10W, h5km, MD3.8, Near coast of Michoacan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MMIG, ZIGC, R15V, etc.

DJA 10 22:25:23.9-0.8, 6'S-12.9E, h290km, 1.4km, M4.1/6,

mb3.9/3, mb4.7/3, MLV4.1/6, Mw(mb)3.9/3, Banda Sea

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

GUC 10 22:33:16.7-0.3, 22.36S-68.70W, h115km, 3km, ML3.5,

4C-30, Northern Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PB09, PB09, PB09, etc.

ISC 10 22:37:03.8-1.8, 8.30S-119.17E, h0km, mb3.5/3,

mb1 3.8/6, mb1mx3.6/39, mbtmp3.7/6, ML3.3, MS3.0/2, Ms1 3.0/2, ms1mx2.6/25, Error ellipse: s-maj=89.7km s-min=19.6km az=53.0

DJA 10 22:37:05.9-0.6, 8'S-119.17E, h11km, 5km, M4.3/11,

mb4.8/1, MLV4.1/11

ISC 10 22:37:04.1-1.7, 8.30S-119.22E, h10km, n21,

a294/23, Flores region

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

ISC 10 22:37:04.0-0.5, 8.25S-106.119.14E, h10km,

mb3.6/2, MS3.0/1, Error ellipse: s-maj=8.1km s-min=5.4km az=178.1

ISC 10 22:37:03.8-1.8, 8.30S-119.17E, h0km, mb3.5/3,

mb1 3.8/6, mb1mx3.6/39, mbtmp3.7/6, ML3.3, MS3.0/2, Ms1 3.0/2, ms1mx2.6/25, Error ellipse: s-maj=89.7km s-min=19.6km az=53.0

DJA 10 22:37:05.9-0.6, 8'S-119.17E, h11km, 5km, M4.3/11,

mb4.8/1, MLV4.1/11

ISC 10 22:37:04.1-1.7, 8.30S-119.22E, h10km, n21,

a294/23, Flores region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PLAI, WSI, TWSI, etc.

ISC 10 22:49:29.2-0.3, 60.28S-0.06-26.5W, 0.1, h20km,

mb5.2/4, MS4.2/18, Error ellipse: s-maj=10.1km s-min=5.7km az=37.1

MOS 10 22:49:32.9-1.2, 60.36S-26.65W, h41km, mb5.4/23, Error

ellipse: s-maj=26.4km s-min=11.1km az=110.7

NEIC 10 22:49:33.0-0.2, 60.33S-26.57W, h35km, mb5.4/32, Error

ellipse: s-maj=8.8km s-min=5.4km az=33.0

BUI 10 22:49:34.1, 60.30S-26.70W, h40km, mb5.3/7, Ms5.6/4,

Ms7.5/3

GCMT 10 22:49:34.0-0.2, 60.88S-0.01-26.10W, 0.03, h18km, 1km,

MW5.1/90, Moment Tensor Solution. s36,c49; s90,c137; Dvations: 0 Moment tensor: Scale 10^18Nm; Mr-1.46;16; Mw: 1.02;13; Mw0: 0.44;11; Mw4: 0.22;42; Mw5: 3.44;09; Mw0.93s: 25; Best double couple: Ms5.432000;10;P; Np1s: 261.000000; s80.000000; s-5.000000; Np2: 0.5;000000; s36.000000; A-163.000000; Principal axes: T 6.0220, P1g270000, Azm324.0000; N -1.1790, P1g34.0000; Azm74.0000; P -4.8410, P1g44.0000; Azm205.0000; nsta1 refers to body waves, cutoff=40s.

nsta2 refers to surface waves, cutoff=50s. Triangular moment-rater function

ISC 10 22:49:31.4-0.3, 60.31S-0.07-26.68W, 0.07, h20km, n229,

a129/228, mb5.4/41, MS4.2/18, 9C-4D, South Sandwich Islands region

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HOPE, VNA1, VNA3, etc.

az=152.4
ISC 11 01:23:19.3:0.7,56:1.0:1:27.9W:0.1,h121km,n27,
o=070/27,mb4.2/10,South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists stations like Neumayer Olymp, Neumayer-Watz, Sanae, Palmer Station, Curarrehue, etc.

IDC 11 01:29:16.9:0.4,6:7.4S:154:08E,h0km,mb4.0/11,
mb1.4/13,mb1mx4.0/34,mbtmp4.0/13,ML2,1/1,MS3.4/2,
Ms1.3/4.2,ms1mx2.9/24,Error ellipse: s-maj=23.6km
s-min=18.6km az=105.0

NEIC 11 01:29:18.9:0.4,6:7.7S:154:10E,h10km,mb4.5/8,Error
ellipse: s-maj=10.6km s-min=6.9km az=125.0

ISCJB 11 01:29:21.3:0.6,6:7.1S:0:09:153.86E:0.09,h33km,
mb4.1/16,MS3.4/1,Error ellipse: s-maj=17.3km
s-min=8.2km az=135.2

ISC 11 01:29:22.0:6,6:8.5:0.1:154:03E:0:10,h35km,n31,
o=080/36,mb4.1/16,Bougainville-Solomon Islands
region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists stations like Port Moresby, Mont Dzumac, Tennant Creek, Warramunga Arr, etc.

PDA 11 01:32:44.5:1.0,40:30N:29:48W,h10km,MD3.8,ML2.7,
Error ellipse: s-maj=16.0km s-min=7.6km az=81.0,

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists stations like Graciosa, Caldera, Rosais, Pico, Candalaria, etc.

ISCJB 11 01:34:11.9:0.5,39:09N:0:03:29:15E:0:03,h2km,5km,

Error ellipse: s-maj=5.8km s-min=3.5km az=140.8
ISK 11 01:34:11.8,39:09N:29:17E,h5km,ML2.1/7
DDA 11 01:34:11.3,39:08N:29:16E,h7km,ML2.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists stations like Saphane-Kutahy, Gediz, Demirci, Tavsani, etc.

ISCJB 11 02:07:09.4:0.6,6:9:0S:0:06:129:63E:0:08,h139km,
mb3.8/5,Error ellipse: s-maj=11.2km s-min=9.9km az=7.9

IDC 11 02:07:10.4:2.1,6:8:9S:129:61E,h131km,19km,mb3.7/5,
mb1.4/0.10,mb1mx3.6/41,mbtmp4.2/10,Error ellipse:
s-maj=22.4km s-min=16.3km az=89.0

ISC 11 02:07:09.9:0.7,7:00S:0:06:129:7E:0:11,h139km,n13,
o=253/17,mb3.9/5,Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists stations like Sorong, Zalesovo Beam, Baumata, Kurchatov Arr, etc.

ISCJB 11 02:07:33.4:0.7,25:95N:0:07:95:21E:0:05,h100km,
mb3.5/7,Error ellipse: s-maj=9.3km s-min=6.6km
az=179.8

NDI 11 02:07:33.8:2.2,25:96N:95:35E,h60km,ML3.6
IDC 11 02:07:36.4:3.8,25:87N:95:50E,h119km,39km,mb3.2/7,
s-maj 3.3/8,mb1mx3.1/58,mbtmp3.6/8,Error ellipse:
s-maj=56.1km s-min=18.5km az=60.0

ISC 11 02:07:34.8:0.9,25:98N:0:07:95:22E:0:08,h100km,n16,
o=151/22,mb3.7/7,Myanmar-India border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists stations like Kohi, Itanagar, Ziro, Tezpur, etc.

s-min=15.7km az=95.0
ISCJB 11 02:38:29.8:0.4,34:02S:0:02:72:61W:0:05,h39km,
mb4.4/14,Error ellipse: s-maj=5.5km s-min=3.3km
az=13.2

GUC 11 02:38:30.0:0.3,34:00S:72:50W,h32km,2km,ML4.2
NEIC 11 02:38:30.0:0.3,34:00S:72:50W,h32km,mb4.6/13,
ML4.2(GUC),After GUC,
NEIC Fell at San Antonio and Santiago,
SJA 11 02:38:58.8:0.9,32:47S:70:82W,h33km,ML3.5,MW4.0
ISC 11 02:38:26.9:1.7,33:96S:0:03:72:47W:0:06,h2km,10km,
n6:2,0:19/90,net,mb4.6/14,4C-6D,Off coast of central
Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists stations like Hualaeo, El Roble, Antupamu, Peidehue, Cerro Calan, Las Melosas, etc.

11d 5h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like HLID Hailey, J08A Circle Bar, WR1 Warramunga, etc.

NNC 11 04:52:20.0, 3.7, 37.85N:72.05E, h0km, mb4.3, mpv3.9, Error ellipse: s-maj=28.1km s-min=24.7km az=156.0

ISC 11 04:52:21.6, 2.3, 37.77N:02.72E:0.1, h200km, n25, a096/22, 8C-20, Tajikistan

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like AML Almayashu, MNAS Manas, UCH Uchtor, etc.

ISC 11 04:55:34.9, 34.9, 34.25N:32.54E, h5km, ML3.1/9, Error ellipse: s-maj=7.2km s-min=3.4km az=165.6

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Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like AKDN Akdeniz, LFK Lefkose, GAZI Gazipasa, etc.

JMA 11 05:01:38.1, 0.3, 43.79N:147.64E, h24km, M3.6, SKHL 11 05:01:38.3, 0.9, 43.94N:147.81E, h46km, 3km, mb4.3/5

ISC 11 05:01:37.8, 2.9, 44.00N:01.147E:0.1, h34km, 4km, n10, a090/16, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SHO Shikotan, SHO 67nm,0.2s, SHO 11nm,0.2s, etc.

RSNC 11 05:16:59.4, 0.7, 6.79N:73.15W, h147km, 4km, ML3.2, Mw3.5, 1C, Northern Colombia

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BARC Barichara, GIRC Giron, BRRR Barranca, etc.

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Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PRAC comp=2.45nm,0.2s, PRAC comp=N.79nm,0.3s

IDC 11 05:39:34.7, 3.2, 19.28S:176.86W, h325km, 30km, mb3.4/5, mbl 3.6/6, mbl1mx3.3/37, mbtp4.2/6, Error ellipse: s-maj=126.0km s-min=131.1km az=143.0, Fiji

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like AFI Afiamalu, STKA Stephens Creek, WRA Warramunga, etc.

BUI 11 05:47:07.3, 4.15N:125.70E, h164km, mb4.8/45, mB5.0/32, NEIC 11 05:47:11.5, 0.2, 4.56N:125.67E, mb4.9/37, Error ellipse: s-maj=5.8km s-min=3.7km az=76.0

NEIC Felt [II PIVS] at General Santos, Philippines, ISC/B 11 05:47:11.6, 0.2, 4.59N:0.02E:125.86E:0.03, h183km, 2km, mb4.8/125, Error ellipse: s-maj=4.7km s-min=2.6km az=172.6

GCMT 11 05:47:11.5, 0.4, 4.53N:0.03E:125.92E:0.03, h184km, 4km, Mw4.9/75, Moment Tensor Solution, s10,c10, s75,c40, Duration: 0, Moment tensor: Scale 1016Nm: M1:25.13; M2:0.49; M3:1.2; M4:0.76; M5:1.12; M6:0.47; M7:1.4; M8:2.44; 12. Best double couple: M0:93200.1016

NP1:30334.00000*, 878.00000*, A94.00000*. NP2: 0.137.00000*, 812.00000*, 73.00000*. Principal axes: T 3.0170, Plg57.0000*, Azm249.0000*, N -0.1740, Plg4.0000*, Azm153.0000*, P -2.8470, Plg33.0000* Azm61.0000*, nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

MAN 11 05:47:11.4, 4.49N:125.65E, h174km, mb5.4, ML4.4, IDC 11 05:47:12.2, 0.8, 4.58N:125.70E, h170km, 7km, mb4.4/30, mb1.4/33, mbl1mx4.4/40, mbtp4.8/33, MS3.5/5, M1 3.5/5, m1mx3.1/30, Error ellipse: s-maj=11.4km s-min=6.8km az=80.0

DJA 11 05:47:12.7, 0.4, 5.14N:121.62E, h159km, 3km, M4.9/46, mb4.9/46, mB5.4/21, MLV.3/10, Mw(mB)4.8/21, MOS 11 05:47:13.1, 1.1, 4.63N:125.65E, h194km, mb5.0/41, Error ellipse: s-maj=10.8km s-min=5.9km az=119.1

ISC 11 05:47:12.5, 0.5, 4.56N:0.03E:125.81E:0.05, h174km, 4km, n343, a195/387, mb4.9/125, 19C-14D, Taiwan Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SGSI Sangihe, DGSI Don Marcelino, GSPH General Santos, SKMP Bagumbayan, MATI Mati, etc.

RSNC 11 05:16:59.4, 0.7, 6.79N:73.15W, h147km, 4km, ML3.2, Mw3.5, 1C, Northern Colombia

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BARC Barichara, LULU Lapu-Lapu, LULU Luwuk, etc.

Table with columns: NRK, Station Name, Time, Res, and various codes. Includes stations like Noril'sk, Alibek, Geyt, etc.

Main table with columns: Code, Station Name, Time, Res, and various codes. Includes stations like Junction City, Dimbokro, PLCA, etc.

Table with columns: Code, Station Name, Time, Res, and various codes. Includes stations like KTBS, PDA, CMLA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMAR, CMAR3, CMAR4, CMAR5, CMAR6, CMAR7, CMAR8, CMAR9, CMAR10, CMAR11, CMAR12, CMAR13, CMAR14, CMAR15, CMAR16, CMAR17, CMAR18, CMAR19, CMAR20, CMAR21, CMAR22, CMAR23, CMAR24, CMAR25, CMAR26, CMAR27, CMAR28, CMAR29, CMAR30, CMAR31, CMAR32, CMAR33, CMAR34, CMAR35, CMAR36, CMAR37, CMAR38, CMAR39, CMAR40, CMAR41, CMAR42, CMAR43, CMAR44, CMAR45, CMAR46, CMAR47, CMAR48, CMAR49, CMAR50, CMAR51, CMAR52, CMAR53, CMAR54, CMAR55, CMAR56, CMAR57, CMAR58, CMAR59, CMAR60, CMAR61, CMAR62, CMAR63, CMAR64, CMAR65, CMAR66, CMAR67, CMAR68, CMAR69, CMAR70, CMAR71, CMAR72, CMAR73, CMAR74, CMAR75, CMAR76, CMAR77, CMAR78, CMAR79, CMAR80, CMAR81, CMAR82, CMAR83, CMAR84, CMAR85, CMAR86, CMAR87, CMAR88, CMAR89, CMAR90, CMAR91, CMAR92, CMAR93, CMAR94, CMAR95, CMAR96, CMAR97, CMAR98, CMAR99, CMAR100.

DDA 11 06:47:32.4±2.2, 2.20S, 134.34E, h0km, mb3.4/2, mb1 3.8/4, mb1mx3.5/37, mbtmp3.6/4, ML3.4/2, Error ellipse: s-maj=67.6km s-min=23.8km az=68.0, lrian Jaya region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SIJI, SIJI1, SIJI2, SIJI3, SIJI4, SIJI5, SIJI6, SIJI7, SIJI8, SIJI9, SIJI10, SIJI11, SIJI12, SIJI13, SIJI14, SIJI15, SIJI16, SIJI17, SIJI18, SIJI19, SIJI20, SIJI21, SIJI22, SIJI23, SIJI24, SIJI25, SIJI26, SIJI27, SIJI28, SIJI29, SIJI30, SIJI31, SIJI32, SIJI33, SIJI34, SIJI35, SIJI36, SIJI37, SIJI38, SIJI39, SIJI40, SIJI41, SIJI42, SIJI43, SIJI44, SIJI45, SIJI46, SIJI47, SIJI48, SIJI49, SIJI50, SIJI51, SIJI52, SIJI53, SIJI54, SIJI55, SIJI56, SIJI57, SIJI58, SIJI59, SIJI60, SIJI61, SIJI62, SIJI63, SIJI64, SIJI65, SIJI66, SIJI67, SIJI68, SIJI69, SIJI70, SIJI71, SIJI72, SIJI73, SIJI74, SIJI75, SIJI76, SIJI77, SIJI78, SIJI79, SIJI80, SIJI81, SIJI82, SIJI83, SIJI84, SIJI85, SIJI86, SIJI87, SIJI88, SIJI89, SIJI90, SIJI91, SIJI92, SIJI93, SIJI94, SIJI95, SIJI96, SIJI97, SIJI98, SIJI99, SIJI100.

DDA 11 06:55:47.4, 39°13N, 29°11E, h7km, ML2.6 ISC/B 11 06:55:48.0±0.5, 39°09N, 0.04±2.15E, 0.04, h13km, 4km, Error ellipse: s-maj=6.9km s-min=4.6km az=151.7

ISK 11 06:55:48.2, 39°13N, 29°21E, h10km, ML2.5/1 ISC 11 06:55:47.8±0.9, 39°12N, 0.04±2.15E, 0.03, h13km, 8km, n12, c#65/20, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SHAP, SHAP1, SHAP2, SHAP3, SHAP4, SHAP5, SHAP6, SHAP7, SHAP8, SHAP9, SHAP10, SHAP11, SHAP12, SHAP13, SHAP14, SHAP15, SHAP16, SHAP17, SHAP18, SHAP19, SHAP20, SHAP21, SHAP22, SHAP23, SHAP24, SHAP25, SHAP26, SHAP27, SHAP28, SHAP29, SHAP30, SHAP31, SHAP32, SHAP33, SHAP34, SHAP35, SHAP36, SHAP37, SHAP38, SHAP39, SHAP40, SHAP41, SHAP42, SHAP43, SHAP44, SHAP45, SHAP46, SHAP47, SHAP48, SHAP49, SHAP50, SHAP51, SHAP52, SHAP53, SHAP54, SHAP55, SHAP56, SHAP57, SHAP58, SHAP59, SHAP60, SHAP61, SHAP62, SHAP63, SHAP64, SHAP65, SHAP66, SHAP67, SHAP68, SHAP69, SHAP70, SHAP71, SHAP72, SHAP73, SHAP74, SHAP75, SHAP76, SHAP77, SHAP78, SHAP79, SHAP80, SHAP81, SHAP82, SHAP83, SHAP84, SHAP85, SHAP86, SHAP87, SHAP88, SHAP89, SHAP90, SHAP91, SHAP92, SHAP93, SHAP94, SHAP95, SHAP96, SHAP97, SHAP98, SHAP99, SHAP100.

NIED 11 07:06:00.36±20N, 140°10E, h68km, Mw4.3 Best double couple: M2.73000±1015 NP1±199.00000±822.00000±1.105.00000° NP2±3.00000±863.00000±82.00000°

ISC/B 11 07:06:13.1±0.4, 36°08N, 0.03±10.04E, 0.05, h80km, 3km, mb4.3/41, Error ellipse: s-maj=65.5km s-min=5.2km az=27.2

JMA 11 07:06:14.2±0.1, 36°13N, 140°08E, h64km, 1km, M3.9 Broadband fault plane solution: P waves. NP1: ±0.60000°, ±85.00000°, ±81.00000° NP2: ±0.20000°, ±27.00000°, ±109.00000°. Principal axes: T: P169.00000°, Azm257.00000°, P: P19.00000°, Azm103.00000°

JMA Felt II.1 NIED 11 07:06:16.0±0.5, 36°04N, 139°98E, h93km, 3km, mb4.5/20 Error ellipse: s-maj=5.3km s-min=3.9km az=112.0

ISC 11 07:06:16.4±1.1, 36°10N, 139°99E, h96km, 10km, mb3.8/22, mb1.4/0.28, mb1mx2.9/48, mbtmp4.2/28, MS3.1/4, Ms1.3/2.4, ms1mx2.8/48, Error ellipse: s-maj=13.2km s-min=9.8km az=79.0

ISC 11 07:06:14.2±0.7, 36°12N, 0.04±140°05E, 0.05, h73km, 6km, n101, c#136/116, mb4.4/1, 1C-4D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JYT, JYT1, JYT2, JYT3, JYT4, JYT5, JYT6, JYT7, JYT8, JYT9, JYT10, JYT11, JYT12, JYT13, JYT14, JYT15, JYT16, JYT17, JYT18, JYT19, JYT20, JYT21, JYT22, JYT23, JYT24, JYT25, JYT26, JYT27, JYT28, JYT29, JYT30, JYT31, JYT32, JYT33, JYT34, JYT35, JYT36, JYT37, JYT38, JYT39, JYT40, JYT41, JYT42, JYT43, JYT44, JYT45, JYT46, JYT47, JYT48, JYT49, JYT50, JYT51, JYT52, JYT53, JYT54, JYT55, JYT56, JYT57, JYT58, JYT59, JYT60, JYT61, JYT62, JYT63, JYT64, JYT65, JYT66, JYT67, JYT68, JYT69, JYT70, JYT71, JYT72, JYT73, JYT74, JYT75, JYT76, JYT77, JYT78, JYT79, JYT80, JYT81, JYT82, JYT83, JYT84, JYT85, JYT86, JYT87, JYT88, JYT89, JYT90, JYT91, JYT92, JYT93, JYT94, JYT95, JYT96, JYT97, JYT98, JYT99, JYT100.

ISC 11 07:06:14.2±0.7, 36°12N, 0.04±140°05E, 0.05, h73km, 6km, n101, c#136/116, mb4.4/1, 1C-4D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JYT, JYT1, JYT2, JYT3, JYT4, JYT5, JYT6, JYT7, JYT8, JYT9, JYT10, JYT11, JYT12, JYT13, JYT14, JYT15, JYT16, JYT17, JYT18, JYT19, JYT20, JYT21, JYT22, JYT23, JYT24, JYT25, JYT26, JYT27, JYT28, JYT29, JYT30, JYT31, JYT32, JYT33, JYT34, JYT35, JYT36, JYT37, JYT38, JYT39, JYT40, JYT41, JYT42, JYT43, JYT44, JYT45, JYT46, JYT47, JYT48, JYT49, JYT50, JYT51, JYT52, JYT53, JYT54, JYT55, JYT56, JYT57, JYT58, JYT59, JYT60, JYT61, JYT62, JYT63, JYT64, JYT65, JYT66, JYT67, JYT68, JYT69, JYT70, JYT71, JYT72, JYT73, JYT74, JYT75, JYT76, JYT77, JYT78, JYT79, JYT80, JYT81, JYT82, JYT83, JYT84, JYT85, JYT86, JYT87, JYT88, JYT89, JYT90, JYT91, JYT92, JYT93, JYT94, JYT95, JYT96, JYT97, JYT98, JYT99, JYT100.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PEA1, ENH, SONA1, SONA2, SONA3, SONA4, SONA5, SONA6, SONA7, SONA8, SONA9, SONA10, SONA11, SONA12, SONA13, SONA14, SONA15, SONA16, SONA17, SONA18, SONA19, SONA20, SONA21, SONA22, SONA23, SONA24, SONA25, SONA26, SONA27, SONA28, SONA29, SONA30, SONA31, SONA32, SONA33, SONA34, SONA35, SONA36, SONA37, SONA38, SONA39, SONA40, SONA41, SONA42, SONA43, SONA44, SONA45, SONA46, SONA47, SONA48, SONA49, SONA50, SONA51, SONA52, SONA53, SONA54, SONA55, SONA56, SONA57, SONA58, SONA59, SONA60, SONA61, SONA62, SONA63, SONA64, SONA65, SONA66, SONA67, SONA68, SONA69, SONA70, SONA71, SONA72, SONA73, SONA74, SONA75, SONA76, SONA77, SONA78, SONA79, SONA80, SONA81, SONA82, SONA83, SONA84, SONA85, SONA86, SONA87, SONA88, SONA89, SONA90, SONA91, SONA92, SONA93, SONA94, SONA95, SONA96, SONA97, SONA98, SONA99, SONA100.

DDA 11 07:15:46.2±6.4, 53°38N, 86°10E, h0km, mb1 3.0/2, mb1mx2.9/44, mbtmp3.0/2, ML2.9/2, Error ellipse: s-maj=19.4km s-min=12.6km az=46.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H46RU, ZALV, ZALV1, ZALV2, ZALV3, ZALV4, ZALV5, ZALV6, ZALV7, ZALV8, ZALV9, ZALV10, ZALV11, ZALV12, ZALV13, ZALV14, ZALV15, ZALV16, ZALV17, ZALV18, ZALV19, ZALV20, ZALV21, ZALV22, ZALV23, ZALV24, ZALV25, ZALV26, ZALV27, ZALV28, ZALV29, ZALV30, ZALV31, ZALV32, ZALV33, ZALV34, ZALV35, ZALV36, ZALV37, ZALV38, ZALV39, ZALV40, ZALV41, ZALV42, ZALV43, ZALV44, ZALV45, ZALV46, ZALV47, ZALV48, ZALV49, ZALV50, ZALV51, ZALV52, ZALV53, ZALV54, ZALV55, ZALV56, ZALV57, ZALV58, ZALV59, ZALV60, ZALV61, ZALV62, ZALV63, ZALV64, ZALV65, ZALV66, ZALV67, ZALV68, ZALV69, ZALV70, ZALV71, ZALV72, ZALV73, ZALV74, ZALV75, ZALV76, ZALV77, ZALV78, ZALV79, ZALV80, ZALV81, ZALV82, ZALV83, ZALV84, ZALV85, ZALV86, ZALV87, ZALV88, ZALV89, ZALV90, ZALV91, ZALV92, ZALV93, ZALV94, ZALV95, ZALV96, ZALV97, ZALV98, ZALV99, ZALV100.

DDA 11 08:03:22.1±689.0, 50°96N, 51°56E, h0km, Error ellipse: s-maj=344.6km s-min=94.4km az=94.0, Western Kazakhstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ARU, ARU1, ARU2, ARU3, ARU4, ARU5, ARU6, ARU7, ARU8, ARU9, ARU10, ARU11, ARU12, ARU13, ARU14, ARU15, ARU16, ARU17, ARU18, ARU19, ARU20, ARU21, ARU22, ARU23, ARU24, ARU25, ARU26, ARU27, ARU28, ARU29, ARU30, ARU31, ARU32, ARU33, ARU34, ARU35, ARU36, ARU37, ARU38, ARU39, ARU40, ARU41, ARU42, ARU43, ARU44, ARU45, ARU46, ARU47, ARU48, ARU49, ARU50, ARU51, ARU52, ARU53, ARU54, ARU55, ARU56, ARU57, ARU58, ARU59, ARU60, ARU61, ARU62, ARU63, ARU64, ARU65, ARU66, ARU67, ARU68, ARU69, ARU70, ARU71, ARU72, ARU73, ARU74, ARU75, ARU76, ARU77, ARU78, ARU79, ARU80, ARU81, ARU82, ARU83, ARU84, ARU85, ARU86, ARU87, ARU88, ARU89, ARU90, ARU91, ARU92, ARU93, ARU94, ARU95, ARU96, ARU97, ARU98, ARU99, ARU100.

ISC 11 08:05:28.8, 38°21N, 27°17E, h23km, ML1.8/4 DDA 11 08:05:29.4, 38°12N, 27°08E, h7km, ML2.5 Error ellipse: s-maj=4.5km s-min=3.8km az=177.6

DDA 11 08:06:15.4, 39°09N, 27°14E, h7km, ML2.9 Error ellipse: s-maj=15.3±1.0, 39°07N, 0.03±27°15E, 0.03, h13km, 9km, n20, c#42/28, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GMLD, DGB, BLCB, BLCB1, BLCB2, BLCB3, BLCB4, BLCB5, BLCB6, BLCB7, BLCB8, BLCB9, BLCB10, BLCB11, BLCB12, BLCB13, BLCB14, BLCB15, BLCB16, BLCB17, BLCB18, BLCB19, BLCB20, BLCB21, BLCB22, BLCB23, BLCB24, BLCB25, BLCB26, BLCB27, BLCB28, BLCB29, BLCB30, BLCB31, BLCB32, BLCB33, BLCB34, BLCB35, BLCB36, BLCB37, BLCB38, BLCB39, BLCB40, BLCB41, BLCB42, BLCB43, BLCB44, BLCB45, BLCB46, BLCB47, BLCB48, BLCB49, BLCB50, BLCB51, BLCB52, BLCB53, BLCB54, BLCB55, BLCB56, BLCB57, BLCB58, BLCB59, BLCB60, BLCB61, BLCB62, BLCB63, BLCB64, BLCB65, BLCB66, BLCB67, BLCB68, BLCB69, BLCB70, BLCB71, BLCB72, BLCB73, BLCB74, BLCB75, BLCB76, BLCB77, BLCB78, BLCB79, BLCB80, BLCB81, BLCB82, BLCB83, BLCB84, BLCB85, BLCB86, BLCB87, BLCB88, BLCB89, BLCB90, BLCB91, BLCB92, BLCB93, BLCB94, BLCB95, BLCB96, BLCB97, BLCB98, BLCB99, BLCB100.

ISC 11 08:06:15.4, 39°09N, 27°14E, h7km, ML2.9 Error ellipse: s-maj=15.3±1.0, 39°07N, 0.03±27°15E, 0.03, h13km, 9km, n20, c#42/28, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DKL, DKL1, DKL2, DKL3, DKL4, DKL5, DKL6, DKL7, DKL8, DKL9, DKL10, DKL11, DKL12, DKL13, DKL14, DKL15, DKL16, DKL17, DKL18, DKL19, DKL20, DKL21, DKL22, DKL23, DKL24, DKL25, DKL26, DKL27, DKL28, DKL29, DKL30, DKL31, DKL32, DKL33, DKL34, DKL35, DKL36, DKL37, DKL38, DKL39, DKL40, DKL41, DKL42, DKL43, DKL44, DKL45, DKL46, DKL47, DKL48, DKL49, DKL50, DKL51, DKL52, DKL53, DKL54, DKL55, DKL56, DKL57, DKL58, DKL59, DKL60, DKL61, DKL62, DKL63, DKL64, DKL65, DKL66, DKL67, DKL68, DKL69, DKL70, DKL71, DKL72, DKL73, DKL74, DKL75, DKL76, DKL77, DKL78, DKL79, DKL80, DKL81, DKL82, DKL83, DKL84, DKL85, DKL86, DKL87, DKL88, DKL89, DKL90, DKL91, DKL92, DKL93, DKL94, DKL95, DKL96, DKL97, DKL98, DKL99, DKL100.

ISC 11 08:06:15.4, 39°09N, 27°14E, h7km, ML2.9 Error ellipse: s-maj=15.3±1.0, 39°07N, 0.03±27°15E, 0.03, h13km, 9km, n20, c#42/28, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DKL, DKL1, DKL2, DKL3, DKL4, DKL5, DKL6, DKL7, DKL8, DKL9, DKL10, DKL11, DKL12, DKL13, DKL14, DKL15, DKL16, DKL17, DKL18, DKL19, DKL20, DKL21, DKL22, DKL23, DKL24, DKL25, DKL26, DKL27, DKL28, DKL29, DKL30, DKL31, DKL32, DKL33, DKL34, DKL35, DKL36, DKL37, DKL38, DKL39, DKL40, DKL41, DKL42, DKL43, DKL44, DKL45, DKL46, DKL47, DKL48, DKL49, DKL50, DKL51, DKL52, DKL53, DKL54, DKL55, DKL56, DKL57, DKL58, DKL59, DKL60, DKL61, DKL62, DKL63, DKL64, DKL65, DKL66, DKL67, DKL68, DKL69, DKL70, DKL71, DKL72, DKL73, DKL74, DKL75, DKL76, DKL77, DKL78, DKL79, DKL80, DKL81, DKL82, DKL83, DKL84, DKL85, DKL86, DKL87, DKL88, DKL89, DKL90, DKL91, DKL92, DKL93, DKL94, DKL95, DKL96, DKL97, DKL98, DKL99, DKL100.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA, ASAR, MKAR, MAW, WRA1, WRA2, WRA3, WRA4, WRA5, WRA6, WRA7, WRA8, WRA9, WRA10, WRA11, WRA12, WRA13, WRA14, WRA15, WRA16, WRA17, WRA18, WRA19, WRA20, WRA21, WRA22, WRA23, WRA24, WRA25, WRA26, WRA27, WRA28, WRA29, WRA30, WRA31, WRA32, WRA33, WRA34, WRA35, WRA36, WRA37, WRA38, WRA39, WRA40, WRA41, WRA42, WRA43, WRA44, WRA45, WRA46, WRA47, WRA48, WRA49, WRA50, WRA51, WRA52, WRA53, WRA54, WRA55, WRA56, WRA57, WRA58, WRA59, WRA60, WRA61, WRA62, WRA63, WRA64, WRA65, WRA66, WRA67, WRA68, WRA69, WRA70, WRA71, WRA72, WRA73, WRA74, WRA75, WRA76, WRA77, WRA78, WRA79, WRA80, WRA81, WRA82, WRA83, WRA84, WRA85, WRA86, WRA87, WRA88, WRA89, WRA90, WRA91, WRA92, WRA93, WRA94, WRA95, WRA96, WRA97, WRA98, WRA99, WRA100.

ISC 11 07:51:20.3±0.6, 15°16S, 173°36W, h0km, mb3.9/11, mb1.4/1.1, mb1mx4.0/24, mbtmp3.9/11, Error ellipse: s-maj=28.0km s-min=17.0km az=128.0

NEIC 11 07:51:21.0±0.4, 15°21S, 173°14W, h10km, mb4.5/4, Error ellipse: s-maj=16.2km s-min=11.6km az=139.0

ISC 11 07:51:24.8±0.6, 15°25S, 01°173°4W, 0.2, h30km, n31, c#078/26, mb3.9/14, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AFI, AFI1, AFI2, AFI3, AFI4, AFI5, AFI6, AFI7, AFI8, AFI9, AFI10, AFI11, AFI12, AFI13, AFI14, AFI15, AFI16, AFI17, AFI18, AFI19, AFI20, AFI21, AFI22, AFI23, AFI24, AFI25, AFI26, AFI27, AFI28, AFI29, AFI30, AFI31, AFI32, AFI33, AFI34, AFI35, AFI36, AFI37, AFI38, AFI39, AFI40, AFI41, AFI42, AFI43, AFI44, AFI45, AFI46, AFI47, AFI48, AFI49, AFI50, AFI51, AFI52, AFI53, AFI54, AFI55, AFI56, AFI57, AFI58, AFI59, AFI60, AFI61, AFI62, AFI63, AFI64, AFI65, AFI66, AFI67, AFI68, AFI69, AFI70, AFI71, AFI72, AFI73, AFI74, AFI75, AFI76, AFI77, AFI78, AFI79, AFI80, AFI81, AFI82, AFI83, AFI84, AFI85, AFI86, AFI87, AFI88, AFI89, AFI90, AFI91, AFI92, AFI93, AFI94, AFI95, AFI96, AFI97, AFI98, AFI99, AFI100.

ISC 11 08:03:22.1±689.0, 50°96N, 51°56E, h0km, Error ellipse: s-maj=344.6km s-min=94.4km az=94.0, Western Kazakhstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I31KZ, I46RU, I34MN, I31KZ1, I31KZ2, I31KZ3, I31KZ4, I31KZ5, I31KZ6, I31KZ7, I31KZ8, I31KZ9, I31KZ10, I31KZ11, I31KZ12, I31KZ13, I31KZ14, I31KZ15, I31KZ16, I31KZ17, I31KZ18, I31KZ19, I31KZ20, I31KZ21, I31KZ22, I31KZ23, I31KZ24, I31KZ25, I31KZ26, I31KZ27, I31KZ28, I31KZ29, I31KZ30, I31KZ31, I31KZ32, I31KZ33, I31KZ34, I31KZ35, I31KZ36, I31KZ37, I31KZ38, I31KZ39, I31KZ40, I31KZ41, I31KZ42, I31KZ43, I31KZ44, I31KZ45, I31KZ46, I31KZ47, I31KZ48, I31KZ49, I31KZ50, I31KZ51, I31KZ52, I31KZ53, I31KZ54, I31KZ55, I31KZ56, I31KZ57, I31KZ58, I31KZ59, I31KZ60, I31KZ61, I31KZ62, I31KZ63, I31KZ64, I31KZ65, I31KZ66, I31KZ67, I31KZ68, I31KZ69, I31KZ70, I31KZ71, I31KZ72, I31KZ73, I31KZ74, I31KZ75, I31KZ76, I31KZ77, I31KZ78, I31KZ79, I31KZ80, I31KZ81, I31KZ82, I31KZ83, I31KZ84, I31KZ85, I31KZ86, I31KZ87, I31KZ88, I31KZ89, I31KZ90, I31KZ91, I31KZ92, I31KZ93, I31KZ94, I31KZ95, I31KZ96, I31KZ97, I31KZ98, I31KZ99, I31KZ100.

ISC 11 08:05:28.8, 38°21N, 27°17E, h23km, ML1.8/4 DDA 11 08:05:29.4, 38°12N, 27°08E, h7km, ML2.5 Error ellipse: s-maj=4.5km s-min=3.8km az=177.6

DDA 11 08:06:15.4, 39°09N, 27°14E, h7km, ML2.9 Error ellipse: s-maj=15.3±1.0, 39°07N, 0.03±27°15E, 0.03, h13km, 9km, n20, c#42/28, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GMLD, DGB, BLCB, BLCB1, BLCB2, BLCB3, BLCB4, BLCB5, BLCB6, BLCB7, BLCB8, BLCB9, BLCB10, BLCB11, BLCB12, BLCB13, BLCB14, BLCB15, BLCB16, BLCB17, BLCB18, BLCB19, BLCB20, BLCB21, BLCB22, BLCB23, BLCB24, BLCB25, BLCB26, BLCB27, BLCB28, BLCB29, BLCB30, BLCB31, BLCB32, BLCB33, BLCB34, BLCB35, BLCB36, BLCB37, BLCB38, BLCB39, BLCB40, BLCB41, BLCB42, BLCB43, BLCB44, BLCB45, BLCB46, BLCB47, BLCB48, BLCB49, BLCB50, BLCB51, BLCB52, BLCB53, BLCB54, BLCB55, BLCB56, BLCB57, BLCB58, BLCB59, BLCB60, BLCB61, BLCB62, BLCB63, BLCB64, BLCB65, BLCB66, BLCB67, BLCB68, BLCB69, BLCB70, BLCB71, BLCB72, BLCB73, BLCB74, BLCB75, BLCB76, BLCB77, BLCB78, BLCB79, BLCB80, BLCB81, BLCB82, BLCB83, BLCB84, BLCB85, BLCB86, BLCB87, BLCB88, BLCB89, BLCB90, BLCB91, BLCB92, BLCB93, BLCB94, BLCB95, BLCB96, BLCB97, BLCB98, BLCB99, BLCB100.

ISC 11 08:06:15.4, 39°09N, 27°14E, h7km, ML2.9 Error ellipse: s-maj=15.3±1.0, 39°07N, 0.03±27°15E, 0.03, h13km, 9km, n20, c#42/28, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DKL, DKL1, DKL2, DKL3, DKL4, DKL5, DKL6, DKL7, DKL8, DKL9, DKL10, DKL11, DKL12, DKL13, DKL14, DKL15, DKL16, DKL17, DKL18, DKL19, DKL20, DKL21, DKL22, DKL23, DKL24, DKL25, DKL26

11d 10h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like NCUH Zhongli, YUS Yu-Shan, TWY Chenhua, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like LME, CLCH, FCH, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like PEL Peidehue, ROCH El Roble, ASAL Salagasta, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like MJAR Matsushiro Arr, KLR Kul'dur, WRA Warrungu Arr, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like KZLR Kyzyl, HVS Khovu-Aksy, ARDR Aradan, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like CERR Cheremushki, MOY Mondy, ABNR Abakan, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like KRAR Krasnoyarsk, TLY Talaya, ZAK Zakamensk, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like ULN Ulanbataar, NVS Novosibirsk, MK31 Makanchi Array, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like ARU, AKTO Aktyubinsk, TIXI Tiksi, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like KOZT Kozan, ANDN Andirin, KARA Karaisali, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like AVNS Nevsehir-Avano, KIZK Mersin, AKSY AKSARAY - Altı, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like MNBS Baschi, DJR Jarkent, DJR Jarkent, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like SHLS Shalkode, ZHN Zhishke, ZHN Zhishke, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KURK Kurchatov, ZAAO Zalesovo Array, ZALV Zalesovo Beam, etc.

JMA 11 12:23:42.1-0.2, 281.96N; 141.15E, h233km, h5km, M4.3
ISCJB 11 12:23:43.0-0.7, 28.87N; 0107.140, 15E; 0.2, h150km,
mb3.5/4, Error ellipse: s-maj=22.5km s-min=4.2km
az=157.6

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CBJJ Chichijima, JHHJ Haha-jima-NKT, JHJC Hachijojimakas, etc.

DDA 11 12:47:40.5, 39.10N; 29.17E, h7km, ML2.7
ISK 11 12:47:40.9, 39.08N; 29.30E, h5km, ML2.1/3
ISCJB 11 12:47:41.0-0.5, 39.06N; 0.04; 29.19E; 0.04, h9km, 4km,
Error ellipse: s-maj=7.8km s-min=4.7km az=145.3

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SHAP Stephane-Kutahy, SIMA Simav-Kutahya, GDZ Gediz, etc.

NORS 11 13:14:05.5-0.0, 40.72N; 46.15E, h14km, MPVA3.6
TIF 11 13:14:05.4, 40.69N; 45.97E, h24km, 2km
ISC 11 13:14:07.3-5, 40.68N; 0.1; 46.02E; 0.04, h8km, 26km, n10,
c080/20, Eastern Caucasus

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like DDFL Dedoflistskaro, DDFL David-gareji, DGRG DGRG, etc.

NDI 11 13:21:10.0-2.3, 32.16N; 77.72E, h25km, 25km, ML3.4
INDI 11 13:21:14.3-9.6, 32.78N; 74E, h0km, mb3.5/2,
mb1.3/7.3, mb1mx3.3/29, mbmtpp3.6/3, ML3.9/1, Error
ellipse: s-maj=377.1km s-min=27.9km az=77.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SMLA Simla, DHRM DHARAMSHALA, DDI Dehra Dun, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KUDL Kundal, KHET Khetri, MKAR Makanchi Array, etc.

ISC 11 13:59:28.6-2.0, 6.73S; 131.54E, h0km, mb3.5/1,
mb1.4/1.6, mb1mx3.7/4.1, mbmtpp4.0/6, ML4.0/5, Error
ellipse: s-maj=53.6km s-min=24.5km az=91.0
ISCJB 11 13:59:32.1-0.7, 6.83S; 0.05; 131.48E; 0.08, h42km,
mb3.5/1, Error ellipse: s-maj=11.7km s-min=6.9km
az=179.0

DJA 11 13:59:36.9-0.3, 7.5S; 131.1E, h77km, 13km, M4.4/10,
mb4.3/7, mb5.1/4, MLV4.5/10, Mv(m)4.4/4
ISC 11 13:59:33.0-0.9, 6.69S; 0.05; 131.43E; 0.09, h42km, n14,
c4508/18, Tanimbar-Indis region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SAUI Saumlaki, BNDI Bandanaira, BAKI Fak Fak, etc.

ISCJB 11 14:04:10.8-0.4, 51.50N; 0.02; 16.14E; 0.02, h0km, Error
ellipse: s-maj=3.4km s-min=2.1km az=16.3
ISC 11 14:04:12.6-1.0, 51.43N; 15.64E, h0km, mb1.3/4.5,
mb1mx3.2/5.2, mbmp3.4/5, ML3.1/5, Error ellipse:
s-maj=14.7km s-min=9.3km az=104.0

PRU 11 14:04:13.6-0.0, 51.51N; 16.10E, h0km,
BGR 11 14:04:14.7-0.5, 51.46N; 16.10E, h1km, ML3.2/14, Error
ellipse: s-maj=5.6km s-min=2.2km az=19.0
ISC 11 14:04:10.8-0.7, 51.57N; 0.03; 16.14E; 0.02, h0km, n47,
c1563/88, Poland

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KSP Ksiaz, DPC Dobruska-Polom, PVCC Panska Ves, etc.

BRG Berggiesshubel 1.55 244 PN Pg 14 04 40.9 +0.4
BRG 14 04 42.9 +0.9
BRG 14 05 02.0 +1.4

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like BRG Berggiesshubel, KRLC Kraliky, PRA Prague, etc.

PRU Pruhonice 1.88 213 ePg Sb 14 04 47.1 +0.2
14 05 10.6 +0.5

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CLL Collin, MORC Moravsky Berou, MORC Moravsky Berou, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SMOL Letztvetz, WET Wittvovska Anna, LANS Letztvetz, etc.

ISCJB 11 14:06:51.3-0.6, 2.23N; 0.06; 89.77E; 0.05, h10km,
mb4.2/16, MS3.6/9, Error ellipse: s-maj=9.6km
s-min=6.0km az=24.0
ISC 11 14:06:51.8-0.9, 2.30N; 89.75E, h0km, mb4.2/14,
mb1.3/4.7, mb1mx4.0/5.8, mbmtpp4.2/17, ML4.1/3, MS3.5/12,
M3.1.3/12, ml1mx3.2/4.0, Error ellipse: s-maj=29.5km
s-min=14.1km az=43.0

NEIC 11 14:06:53.0-0.5, 2.34N; 89.78E, h10km, mb4.4/3, Error
ellipse: s-maj=11.4km s-min=6.9km az=217.0
ISC 11 14:06:54.0-0.8, 2.46N; 0.09; 89.79E; 0.07, h10km, n80,
c1555/65, mb4.2/17, MS3.5/9, North Indian Ocean

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CMBY CAMPBELL BAY, PSI Prapat, PSI 1.9m, etc.

ISCJB 11 14:06:51.3-0.6, 2.23N; 0.06; 89.77E; 0.05, h10km,
mb4.2/16, MS3.6/9, Error ellipse: s-maj=9.6km
s-min=6.0km az=24.0
ISC 11 14:06:51.8-0.9, 2.30N; 89.75E, h0km, mb4.2/14,
mb1.3/4.7, mb1mx4.0/5.8, mbmtpp4.2/17, ML4.1/3, MS3.5/12,
M3.1.3/12, ml1mx3.2/4.0, Error ellipse: s-maj=29.5km
s-min=14.1km az=43.0

NEIC 11 14:06:53.0-0.5, 2.34N; 89.78E, h10km, mb4.4/3, Error
ellipse: s-maj=11.4km s-min=6.9km az=217.0
ISC 11 14:06:54.0-0.8, 2.46N; 0.09; 89.79E; 0.07, h10km, n80,
c1555/65, mb4.2/17, MS3.5/9, North Indian Ocean

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PBA Port Blair, PKOT Phuket, PALK Pallekele, etc.

ISCJB 11 14:06:51.3-0.6, 2.23N; 0.06; 89.77E; 0.05, h10km,
mb4.2/16, MS3.6/9, Error ellipse: s-maj=9.6km
s-min=6.0km az=24.0
ISC 11 14:06:51.8-0.9, 2.30N; 89.75E, h0km, mb4.2/14,
mb1.3/4.7, mb1mx4.0/5.8, mbmtpp4.2/17, ML4.1/3, MS3.5/12,
M3.1.3/12, ml1mx3.2/4.0, Error ellipse: s-maj=29.5km
s-min=14.1km az=43.0

NEIC 11 14:06:53.0-0.5, 2.34N; 89.78E, h10km, mb4.4/3, Error
ellipse: s-maj=11.4km s-min=6.9km az=217.0
ISC 11 14:06:54.0-0.8, 2.46N; 0.09; 89.79E; 0.07, h10km, n80,
c1555/65, mb4.2/17, MS3.5/9, North Indian Ocean

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like TRD Trivandrum, MDRS Chennai, PHET Kaeng Krachan, etc.

ISCJB 11 14:06:51.3-0.6, 2.23N; 0.06; 89.77E; 0.05, h10km,
mb4.2/16, MS3.6/9, Error ellipse: s-maj=9.6km
s-min=6.0km az=24.0
ISC 11 14:06:51.8-0.9, 2.30N; 89.75E, h0km, mb4.2/14,
mb1.3/4.7, mb1mx4.0/5.8, mbmtpp4.2/17, ML4.1/3, MS3.5/12,
M3.1.3/12, ml1mx3.2/4.0, Error ellipse: s-maj=29.5km
s-min=14.1km az=43.0

NEIC 11 14:06:53.0-0.5, 2.34N; 89.78E, h10km, mb4.4/3, Error
ellipse: s-maj=11.4km s-min=6.9km az=217.0
ISC 11 14:06:54.0-0.8, 2.46N; 0.09; 89.79E; 0.07, h10km, n80,
c1555/65, mb4.2/17, MS3.5/9, North Indian Ocean

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CHTO Chiang Mai, CHTO Chiang Mai, LAMP Lampang, etc.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like H01W2 Cape Leeuwin H, H01W1 Cape Leeuwin H, MKAR Makanchi Array, etc.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like BNI Bardonecchia, BNI Rocca Remolon, BNI Rocca Remolon, etc.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like CIRO comp=E,114,um,0.5s, CIRO comp=N,142,um,0.3s, CIRO comp=N,142,um,0.3s, etc.

DDA 11 14:08:28.7, 39.35N, 33.82E, h7km, M1.7
ISK 11 14:08:28.8, 39.33N, 33.76E, h9km, M1.2, 3/5
ISCJB 11 14:08:29.1, 0.5, 39.35N, 0.03, 33.79E, 0.04, h5km, 7km,
Error ellipse: s-maj=5.3km s-min=4.5km az=41.6

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KAMT Kaman, YAYX Yaylak, SERE Serefikochisa, etc.

IDC 11 14:16:50.0, 1.6, 41.6S, 129.24E, h6km, mb3.72,
mb1.4, 1/5, mb1mx3.727, mbtmp4.0/5, ML4.0/3, Error
ellipse: s-maj=11.2km s-min=26.2km az=92.6

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BNDI Bandonaira, AAI Ambon, AAI Fak Fak, etc.

ISCJB 11 14:18:40.4, 0.2, 45.06N, 0.01, 6.54E, 0.02, h6km, 2km,
Error ellipse: s-maj=2.2km s-min=1.9km az=154.3
IASPEI 11 14:18:41.0, 0.9, 45.05N, 0.02, 6.61E, 0.02, h9km, 5km,
Error ellipse: s-maj=3.3km s-min=2.6km az=95.7, G75
selection from ISC bulletin G75 identified by Bond'jr and
McLaughlin (2009) selection criteria Bond'jr and
McLaughlin, A new ground truth data set for seismic
studies, Seism. Res. Let., >80, 465-472,
2009

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BNI Bardonecchia, BNI comp=E,6175,um,0.2s, etc.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like BNB Bricherasio, BNB Bricherasio, BNB Bricherasio, etc.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like CIRO comp=E,114,um,0.5s, CIRO comp=N,142,um,0.3s, CIRO comp=N,142,um,0.3s, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include SSF Saint Saulte, BGF Bois d'Angland, PGF Pioggiola, CAF Calviac, TCF Toulx Ste Croi, CDF Champ du Feu, SMPL Sampolo, MTLF Montolioeu, RJF Les Rejaudoux, ETSF Etsaut, SGMF Saint Gilles.

SJA 11 14:56:40.8; 1.1, 30.2'S; 68.63'W, h10km, 7km, ML3.6, MW4.2
GUC 11 14:56:42.0; 0.6, 30.2'S; 68.61'W, h10km, 5km, ML3.9
ISC 11 14:56:41.4; 1.0, 30.3'S; 68.60'W, 0.04, h12km, 8km, n33, c112/37, 4C-9D, San Juan Province

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include AMOG Mogna, RTHL Cerro Villicun, ACCO Cerro Coronel, SJA San Juan, ZONDA Zonda, AROD Rodeo, AGUA GUANDACOL, AUSP Uspallata, ASAL Salagasta, ACAN Cantanral, APLL PUNTA DE LOS L, ARCO CERRO ARCO, GO04 Tololo Obser, CMCH Combarbala, AAGR Agrelo, VCA Vinchina, LSCH La Serena, LCO Las Campanas, FCH Farellones, PEL Peiduehue, MRA San Martin, ROCH El Roble, CLCH Cerro Calan, LMEL Las Melosas, RFA San Rafael, SUCO SUCO, AHML Horco Molle, FSA Catayete.

ISC/JB 11 15:12:08.4; 0.9, 16.1'N; 0.2; 45.8'W; 0.1, h10km, mb3.6/8, MS3.5/6, Error ellipse: s-maj=23.0km s-min=19.2km az=142.8

ISC 11 15:12:08.5; 1.1, 16.03'N; 45.75'W, h0km, mb3.6/8, mb1 3.9/8, mb1mx3.6/5.6, mbtmp3.6/6, MS3.4/8, MS1 3.4/8, ms1mx3.1/2.9, Error ellipse: s-maj=30.2km s-min=25.1km az=155.0

ISC 11 15:12:10.0; 1.1, 16.0'N; 0.2; 45.8'W; 0.2, h10km, n18, o073/8, mb3.6/8, MS3.5/6, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MDP Montagnes des, SJG San Juan, PTGA Pitinga, SDV Santo Domingo, LPAZ La Paz, H10N3 ASCENSION HYDR98.98 125 T, H10N2 ASCENSION HYDR98.98 125 T, H10N1 ASCENSION HYDR98.98 125 T, H10S3 ASCENSION HYDR98.54 127 T, H10S1 ASCENSION HYDR98.54 127 T.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include H10S2 ASCENSION HYDR98.55 127 T, DBIC Dimbokro, TORO Torodi Ar. Bea, TORO Torodi Ar. Bea, KEST Kesra, TXAR Lajitas Array, TXAR Pinedale Array, PDAR Pinedale Array, NVAR Mina Array Bea, ILAR Eielson Array.

ISC 11 15:13:14.5; 0.7, 24.72'N; 109.93'W, h0km, mb4.0/8, mb1 4.3/11, mb1mx4.1/4.4, mbtmp4.0/11, ML4.0/3, MS3.9/23, MS1 3.9/23, ms1mx3.7/3.7, Error ellipse: s-maj=18.7km s-min=8.1km az=114.0

ISC/JB 11 15:13:15.3; 0.2, 24.69'N; 0.02; 110.09'W; 0.02, h10km, s-n19=2, MS3.9=19, Error ellipse: s-maj=3.4km

MEX 11 15:13:17.3; 0.7, 24.80'N; 110.33'W, h16km, 11km, MD4.6 NEIC 11 15:13:17.3; 0.0, 24.80'N; 110.33'W, h16km, mb4.4/168, After MEX

NEIC Felt at La Paz, Baja California Sur. ISC 11 15:13:16.6; 0.4, 24.79'N; 0.04; 110.07'W; 0.05, h10km, n514, o1979/489, mb4.6/31, MS3.9/19, Baja California

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include LPIG La Paz, LPIG La Paz, LPIG La Paz, LPIG Sierra La Lagu, GUYB Guaymas, SRIG Santa Rosalia, SRIG Santa Rosalia, HSIG Santa Rosalia, HSG Douglas, HSG Douglas, ZAG Zocatecas, LTX LTX, LTX LTX, TX31 Lajitas Ar. Si, TXAR Lajitas Array, TXAR Lajitas Array, TXAR Lajitas Array.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include 214A Organ Pipe Nat, EPT El Paso, 121A Cookies Peak, MNTX Cornudas Mount, MNTX Cornudas Mount, GDL2 Guadalupe Moun, GLA Glamis, GLA Glamis, IKP In-Ko-Pah, Y14A Wickenburg, SWSC Sam W. Stewart, LNIG Linares, X16A Lo Mia Camp, X18A Snowflake, LEML Lemlar, Y12C Blythe, Y12C Blythe, BAR Barrett, BNM Barren Site, MONP Monument Peak, LAZ Lador, LPM Los Pinos Moun, BC3 Big Chockawall, PDMCI Parker Dam, 833A Chaparral WMA, W18A Petrified Fore, W18A Petrified Fore, IRM Iron Mountain, FRD Fort Ranch, XPFO Pionon Flat, PFO Pinyon Flats, BELC Belle Mtn, ANMO Albuquerque, ANMO Albuquerque, ANMO Albuquerque, ANMO Albuquerque, JCT Junction City, WJAT Junction City, WUAT Wupatki, WUAT Wupatki, MURC Murricta, W13A Hualapai Mount, GMRC Granite Mount, MSTX Muleshoe, MSTX Muleshoe, LDFC Landfair, HEDC Hector Ludlow, BFSC Mount Baldy Ra, MWC Mount Wilson, PASO Pasadena Art C, TUO Turquoise Moun, U15A North Rim, SNCC San Nicolas Is, GSC Goldstone, GSC Goldstone, ABTX Abilene, Hawle, ABTX Abilene, Hawle.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include EDW2 Edwards Air Fo, SHOC Shoshone, Teco, OSI Osito Audit, OSI Osito Audit, SCZ2 Santa Cruz Isl, AMTX Amarillo, AMTX Amarillo, KNB Kanab, MVCO Mesa Verde, MVCO Mesa Verde, SHPR Sheep Range, LCMT Little Creek M, LRMC Laurel Wtn Rd, 435B Jarrell, 435B Jarrell, PKCU Pink Cliffs, ARVC Arvin, ARVC Arvin, TLIG Tiapa, MPMC Manual Prospec, FURC Furnace Creek, SZCU Shurtz Canyon, SZCU Shurtz Canyon, ISA Isabella, Lake, ISA Isabella, Lake, PKM McPherson Peak, DAC Darwin (Calif), S22A 4UR Ranch, S22A 4UR Ranch, WHTX Lake Whitney, WHTX Lake Whitney, TPNV Topopah Spring, TPNV Topopah Spring, T25A Trinidad, T25A Trinidad, PV05 Mount Pierson, MTPU Mount Pierson, PV01 Paradox Valley, PV13 Radium Mtn., PV02 Paradox Valley, PV18 Skein Mesa, PA, PV03 Paradox Valley, VES Vestal, Richgr, PV17 East Wray Mesa, SDCO Great Sand Dune, SDCO Great Sand Dune, CWC Cottonwood Cre, PV11 David Mesa, Pa, PV19 Montezuma Valley, PV16 Nyswonger Mesa, PV12 Sauer Basin, PV20 West Nyswonger, PMV2 Simmer, PV14 Lion Creek, Pa, HKT Hockley, PV23 Carpenter Ridg, GRAC Grapevine Rang, PV22 Blue Mesa, Par, PV21 Cone Mtn., Par, MSU Marysville, TCRU Three Creeks R, WMOK Wichita Mounta, WMOK Wichita Mounta, PAGES Antelope Grade, PSUT Pine Spring, SRU San Rafael Sw, R11A Troy Canyon, C, TMUT Trail Mountain, SMCB Snowmass, P17A Grand Ranch, PMPO Monarch Peak, Q24A Divide, Q24A Divide, P18A Preston Nutter, MLAC Mammoth, Mammot4.82 359 P, OMMB Old Mammoth Mi, NLU North Lily Min, NV11 Mina Array Sit, NATX Naacodoches, NATX Naacodoches, MPU Maple Canyon, NV01 Mina Array Sit, NVAR Mina Array Bea, NVAR White River Ci, O20A White River Ci, O20A White River Ci, SAO San Andreas Ge, ISCO Idaho Springs, ISCO Idaho Springs, KSCO Kaye Shedlock, KSCO Kaye Shedlock, DUG Dugway, Tooele, DUG Dugway, Tooele, RYN Rye Valley, KVN Kaiserville, JLU Jordanelle, WAKR Walker, CMB Columbia Colle, CTU Camp Tracy, CMIG Matias Romero, YERR Yerington, 341A Kurthwood, BGU Big Grassy Mou, TCU Teton Canyon, PNTR Pine Nut, N23A Red Feather L, N23A Red Feather L, N23K Cedar Bluff.

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CBKS Cedar Bluff baz=216	16.49	30	P	P	15 17 09.9 -0.9
TUL1 Leonard 21nm,0.3s	16.55	45	ePn	P	15 17 10.2 -1.3
TUL1 Leonard baz=232	16.55	45	P	P	15 17 10.8 -0.7
VCNR Virginia City 29nm,1.0s	16.57	333	ePn	Pn	15 17 10.7 +1.4
SPUT South Promonto 47nm,1.4s	16.59	354	ePn	P	15 17 12.5 +0.5
241A Mo Tay, Goldon baz=249	16.71	61	P	P	15 17 12.3 -0.9
BMN Battle Mountai 18nm,1.2s	16.71	341	ePn	P	15 17 13.3 -0.1
PAHR Pah Rah Range 20nm,1.2s	16.82	334	ePn	Pn	15 17 13.6 +1.3
HWUT Hardware Ranch 29nm,1.1s	16.82	356	ePn	P	15 17 14.9 +0.3
AFDM Forest Hills D 7.1nm,1.0s	16.86	329	ePn	P	15 17 14.9 +0.1
X39A Fountain Ranch baz=240,SNR=17	16.90	51	P	P	15 17 14.9 -0.3
PHWY Pilot Hill 29nm,1.5s	16.91	12	ePn	P	15 17 17.5 +1.8
342A Flagon Creek P 84nm,1.3s	16.97	63	ePn	P	15 17 16.2 +0.2
342A Flagon Creek P baz=252	16.97	63	P	P	15 17 15.5 -0.5
RWWY Rawlins 44nm,1.8s	17.02	7	ePn	P	15 17 17.8 +1.0
HVU Hansel Valley 26nm,1.0s	17.09	353	ePn	P	15 17 18.4 +0.9
MCCM Marconi Confer 48nm,1.1s	17.20	324	ePn	Pn	15 17 16.8 -0.2
Y40A Okolona baz=243	17.26	54	P	P	15 17 18.7 -0.5
Z41A Richland Creek 20nm,0.8s	17.28	57	ePn	P	15 17 21.3 +1.8
MIAR Mount Ida 18nm,1.0s	17.30	52	ePn	P	15 17 22.1 +2.4
MIAR Mount Ida baz=241,SNR=6.5	17.30	52	P	P	15 17 19.8 +0.1
242A Grayson baz=250	17.33	61	P	P	15 17 19.7 -0.4
BEKR Beckworth 23nm,1.1s	17.35	333	ePn	P	15 17 20.5 +0.1
OGNE Ogallala 21nm,0.8s	17.45	21	ePn	P	15 17 22.3 +0.8
W39A Magazine 29nm,1.1s	17.48	50	ePn	P	15 17 22.1 +0.4
W39A Magazine baz=238	17.48	50	P	P	15 17 22.1 +0.4
ORV Orville 12nm,1.0s	17.59	330	ePn	P	15 17 23.6 +0.7
Y41A Eaglette Beard baz=244	17.69	55	P	Pn	15 17 23.4 +0.2
X40A Basin Creek Fa 46nm,1.5s	17.81	53	ePn	P	15 17 25.7 +0.4
X40A Basin Creek Fa baz=242	17.81	53	P	Pn	15 17 24.7 +0.2
243A Waterproof baz=252	17.81	62	P	P	15 17 24.9 -0.5
V39A Pettigrew baz=237,SNR=11	17.93	48	P	P	15 17 27.0 +0.3
BW06 Boulder Array 18nm,1.2s	17.94	1	ePn	P	15 17 28.1 +1.1
BW06 Boulder Array baz=182,SNR=9.9	17.94	1	P	P	15 17 27.3 +0.3
PD31 Pinedale Array 17.94 1 ePn	17.94	1	ePn	P	15 17 28.2 +1.3
PDAR Pinedale Array 0.1nm,0.3s,baz=173,slow=9.7,SNR=18	17.94	1	P	LR	15 17 27.6 +0.6
PDAR comp=Z,569nm,18.9s,baz=196,slow=38					15 24 34.6
PDAR Pinedale Array 17.94 1 ePn	17.94	1	ePn	P	15 17 27.9 +1.0
AHID Auburn Hatcher 73nm,1.8s	17.95	358	ePn	P	15 17 28.3 +1.2
HHAR Hobbs 87nm,1.6s	17.98	47	ePn	P	15 17 27.9 +0.7
W40A Ferguson Farm, 22nm,0.8s	17.98	51	ePn	P	15 17 28.9 +1.7
W40A Ferguson Farm, baz=241	17.98	51	P	P	15 17 27.4 +0.2
K22A Casper 33nm,1.3s	18.05	8	ePn	P	15 17 29.4 +1.2
K22A Casper baz=191,SNR=6.9	18.05	8	P	P	15 17 29.0 +0.9
143A Socs Landing, 18.15 60 ePn	18.15	60	ePn	P	15 17 30.3 +1.2
143A Socs Landing, baz=249	18.15	60	P	P	15 17 29.5 +0.4
T38A Diamond baz=233,SNR=9.6	18.20	44	P	P	15 17 30.1 +0.5
KSU1 Kansas State U 33nm,1.3s	18.25	35	ePn	P	15 17 31.5 +1.4
KSU1 Kansas State U baz=223	18.25	35	P	P	15 17 31.0 +0.8
344A Westbrook Farm 280nm,2.0s	18.29	64	ePn	P	15 17 32.5 +1.9
344A Westbrook Farm baz=254	18.29	64	P	P	15 17 30.7 +0.1
UALR University of 47nm,1.6s	18.30	53	ePn	P	15 17 31.9 +1.2
CCAR Cane Creek 40nm,1.0s	18.34	56	ePn	P	15 17 33.4 +2.2
U39A Green Forest baz=236,SNR=15	18.34	47	P	P	15 17 31.9 +0.6
V40A Witts Springs 29nm,1.1s	18.47	50	ePn	Pn	15 17 33.9 +1.2
V40A Witts Springs baz=239	18.47	50	P	Pn	15 17 33.9 +1.2
REDW Red Top Meadow 26nm,1.5s	18.54	358	ePn	Pn	15 17 35.8 +2.1
W41B Gary Mavity, V 68nm,1.7s	18.56	52	ePn	Pn	15 17 36.1 +2.3
W41B Gary Mavity, V baz=241	18.56	52	P	Pn	15 17 35.4 +1.6
TPAW Teton Pass 28nm,1.1s	18.67	358	ePn	Pn	15 17 36.9 +1.5
002D Mt. Diablo Mer baz=142	18.69	328	P	Pn	15 17 36.2 +0.7
VBMS Vicksburg 63nm,0.8s	18.69	62	ePn	Pn	15 17 36.8 +1.4
VBMS Vicksburg baz=252	18.69	62	P	Pn	15 17 35.8 +0.4
X42A Stuttgart baz=244	18.72	54	P	Pn	15 17 36.2 +0.4
U40A Yellville baz=237,SNR=12	18.75	48	P	Pn	15 17 37.0 +1.0
T39A Clever baz=235,SNR=12	18.78	46	P	Pn	15 17 37.7 +1.2
LOHW Long Hollow 49nm,1.8s	18.78	359	ePn	Pn	15 17 38.1 +1.4
S38A Stockton baz=232,SNR=6.5	18.80	43	P	Pn	15 17 37.6 +0.8
FXWY Fox Creek 24nm,1.1s	18.82	358	ePn	Pn	15 17 38.6 +1.5
WDC Whiskeytown Da 11nm,1.2s	18.89	329	ePn	Pn	15 17 38.1 +0.4
MOOW Moose Ponds 18nm,1.0s	18.92	358	ePn	Pn	15 17 39.4 +1.0
V41A Mountview baz=240,SNR=9.0	18.93	50	P	Pn	15 17 39.0 +0.7
WWR Wild Horse Val 15nm,1.1s	18.97	340	ePn	Pn	15 17 40.8 +1.9
HLID Hailey 9.8nm,1.0s	19.06	350	ePn	Pn	15 17 42.3 +2.3
HLID Hailey baz=169	19.06	350	P	Pn	15 17 41.4 +1.4
MOD Modoc Plateau 22nm,1.4s	19.07	336	ePn	Pn	15 17 41.0 +1.0
IMW Indian Meadow 20nm,1.0s	19.12	59	P	Pn	15 17 40.5 0.0
Z44A Pea Ridge, Bel baz=249	19.12	59	P	Pn	15 17 40.5 0.0
245A Little AP, Sta baz=253	19.14	63	P	Pn	15 17 40.5 -0.3
KMRM Mail Ridge 18nm,1.0s	19.18	327	ePn	P	15 17 41.2 +0.8
S39A Bolivar 19.21 44 ePn	19.21	44	ePn	Pn	15 17 41.7 +0.1
S39A Bolivar baz=233,SNR=6.9	19.21	44	P	Pn	15 17 41.7 +0.1
FLWY Flagg Ranch 18nm,1.1s	19.25	359	ePn	Pn	15 17 43.7 +1.3
N02D Trinity Center baz=144	19.28	330	P	P	15 17 41.9 +0.4
BGNE Belgrade 56nm,1.3s	19.32	28	ePn	Pn	15 17 44.3 +1.3
U41A Viola	19.38	49	P	Pn	15 17 43.7 0.0

T40A Mansfield baz=236,SNR=14	19.41	46	P	Pn	15 17 44.7 +0.7
YPP Pitchstone Pla 14nm,1.3s	19.45	358	ePn	Pn	15 17 44.7 0.0
V42A Core baz=241,SNR=6.6	19.48	51	P	Pn	15 17 44.9 0.0
M04C Macdoel baz=147,SNR=15	19.56	333	P	Pn	15 17 45.9 -0.1
H17A Grant Village 17nm,1.3s	19.56	359	ePn	Pn	15 17 47.9 +1.8
H17A Grant Village baz=179	19.56	359	P	Pn	15 17 47.2 +1.1
W43A Fort Liberty baz=244	19.64	54	P	Pn	15 17 47.1 +0.3
M02C Callahan baz=144	19.68	330	P	Pn	15 17 47.9 +0.6
KHMM Horse Mountain 25nm,1.0s	19.68	328	ePn	P	15 17 47.0 +0.9
Z45A Winona 88nm,1.2s	19.73	60	ePn	Pn	15 17 48.5 +0.6
Z45A Winona baz=250	19.73	60	P	Pn	15 17 47.5 -0.4
LKWY Lake 35nm,1.5s	19.73	359	ePn	Pn	15 17 47.7 -0.4
J08A Circle Bar Ran 15nm,0.9s	19.77	342	ePn	Pn	15 17 49.0 +0.6
JCC Jacoby Creek, 73nm,1.5s	19.79	327	ePn	Pn	15 17 48.6 +0.1
Q38A Cooks Store, C baz=230	19.82	41	P	Pn	15 17 49.1 +0.1
YMR Madison River 9.4nm,1.0s	19.85	50	P	Pn	15 17 51.1 +1.6
U42A Revenden baz=240,SNR=13	19.85	48	P	Pn	15 17 49.5 +0.1
T41A Mountain View baz=238,SNR=5.7	19.85	48	P	Pn	15 17 49.5 +0.1
447A Lucedale 137nm,1.3s	19.86	68	ePn	Pn	15 17 50.8 +1.4
447A Lucedale baz=258	19.86	68	P	P	15 17 47.8 0.0
HBAR Harrisburg 175nm,1.3s	19.88	53	ePn	P	15 17 52.3 +2.6
YBH Yreka Blue Hor 1.0nm,0.8s,baz=74,slow=7.4,SNR=3.1	19.89	331	P	P	15 17 49.1 +0.9
YBH comp=Z,215nm,19.4s,baz=140,slow=38				LR	15 25 58.3
YBH Yreka Blue Hor 50nm,1.2s	19.89	331	ePn	Pn	15 17 50.6 +0.8
RSSD Black Hills 11nm,1.1s	19.91	13	ePn	Pn	15 17 51.2 +1.1
RSSD Black Hills baz=197	19.91	13	P	Pn	15 17 50.5 +0.4
YHB Horse Butte 11nm,0.9s	19.94	358	ePn	Pn	15 17 50.9 +0.3
YHH Holmes Hill 8.9nm,1.0s	19.96	358	ePn	Pn	15 17 51.4 +0.5
K05A Summer Lake 21nm,1.1s	20.00	336	ePn	Pn	15 17 51.6 +0.4
146A Union 49nm,0.4s	20.00	62	ePn	Pn	15 17 51.5 +0.4
146A Union baz=253	20.00	62	P	Pn	15 17 50.5 -0.5
Y45A Yeager Farm, C baz=249	20.02	58	P	Pn	15 17 51.3 0.0
QLMT Earthquake Lak 20.03 357 ePn	20.03	357	ePn	Pn	15 17 51.8 +0.3
L04D Klamath Falls baz=167	20.12	333	P	Pn	15 17 52.2 -0.4
MCMT McKenzie Canyo 20.12 354 ePn	20.12	354	ePn	Pn	15 17 53.3 +0.6
S41A Jilco Farms, baz=236,SNR=30	20.16	46	P	Pn	15 17 53.1 +0.1
247A Qultman baz=255	20.19	64	P	P	15 17 52.3 +0.8
RLMT Red Lodge 27nm,1.6s	20.30	2	ePn	Pn	15 17 55.2 +0.5
RLMT Red Lodge baz=254	20.30	2	P	Pn	15 17 55.1 +0.3
T42A Van Buren 20nm,1.1s	20.30	49	ePn	Pn	15 17 54.3 -0.3
T42A Van Buren baz=239,SNR=6.6	20.30	49	P	Pn	15 17 53.6 -1.0
Y46A Fort Rock, OR baz=250	20.56	59	P	P	15 17 56.1 +0.6
J05D Fort Rock, OR baz=151,SNR=16	20.60	336	P	P	15 17 57.2 +1.2
348A Jackson baz=257	20.62	66	P	P	15 17 56.6 +0.5
DLMT Dillon 15nm,1.2s	20.63	355	ePn	Pn	15 17 57.6 -0.9
PBMO Poplar Bluff 41nm,0.9s	20.63	50	ePn	Pn	15 17 58.1 -0.4
147A Livingston 41nm,0.9s	20.64	63	ePn	Pn	15 17 59.3 +0.6
147A Livingston baz=254	20.64	63	P	Pn	15 17 57.3 +1.0
HUMO Hull Mountain 18nm,1.9s	20.71	332	ePn	Pn	15 17 59.9 -0.5
I07A Izee 14nm,1.4s	20.73	341	ePn	Pn	15 17 59.2 -0.6
CCM Cathedral Cave 31nm,1.4s	20.76	46	ePn	Pn	15 17 59.0 -1.0
CCM Cathedral Cave baz=236	20.76	46	P	P	15 17 58.6 +1.0
W45A Hickory Valley baz=246	20.79	55	P	P	15 17 58.7 +0.7
BOZ Bozeman (W) 22nm,1.3s	20.80	357	ePn	Pn	15 18 00.1 -0.5
BOZ Bozeman (W) baz=177,SNR=14	20.80	357	P	Pn	15 18 00.2 -0.4
R41A Rosebud baz=235,SNR=7.6	20.80	45	P	Pn	15 17 59.6 -0.9
APG El Apazote 5.3nm,0.8s,baz=38,slow=19,SNR=2.6	20.82	114	P	P	15 18 00.9 -0.2
APG comp=Z,592nm,20.9s,baz=291,slow=34				LR	15 25 08.8
BMO Blue Mountains 61nm,1.0s	20.86	345	ePn	Pn	15 18 00.5 -0.8
T43A Greenville baz=240,SNR=5.2	20.88	49	P	Pn	15 18 00.4 -1.0
J04D Umpqua Nationa baz=149	20.89	335	P	P	15 18 00.2 +1.0
S42A Caldonia baz=238	20.90	47	P	P	15 17 59.8 +0.7
PINE Pine Mountain 18nm,1.2s	20.94	338	ePn	P	15 18 01.2 +1.5
GCMT Greywolf baz=247	20.96	1	ePn	Pn	15 18 01.3 -1.1
Z47A Carrolton baz=2					

Table with columns for station code, name, frequency, and signal strength. Includes stations like BKB Balikpapan, SRBI Singaraja, DNP Denpasar, POO Poona, etc.

Table with columns for station code, name, frequency, and signal strength. Includes stations like WHN WHN, WHN WHN, WHN WHN, etc.

Table with columns for station code, name, frequency, and signal strength. Includes stations like WMQ WMQ, NRN Naryn, NRN Naryn, etc.

Z47A	Columbiana	145.54	359	P	PKPdf	17 27 29.8	-0.6
249A	Carrollton	145.54	351	P	PKPdf	17 27 29.8	-0.6
156A	Sylvania	145.62	351	P	PKPbc	17 27 30.7	0.0
TXAR	Lajitas Array	145.70	26	PKPbc	PKPab	17 27 31.5	0.0
LRAL	Lakeview Retre	145.71	359	PKPdf	PKPdf	17 27 30.2	-0.5
LRAL	Lakeview Retre	145.75	359	PKPdf	PKPdf	17 27 30.0	-0.6
155A	Kite	145.79	352	P	PKPbc	17 27 31.3	0.0
154A	Montrose	145.88	353	P	PKPbc	17 27 31.5	-0.1
152A	Waverly Hall	145.97	356	P	PKPbc	17 27 31.6	-0.2
144A	Alexander Plac	146.00	4	P	PKPab	17 27 33.3	+0.9
147A	Livingston	146.06	1	P	PKPbc	17 27 31.8	-0.2
146A	Union	146.07	2	P	PKPab	17 27 32.5	-0.2
148A	Greensboro	146.10	0	P	PKPbc	17 27 31.8	-0.4
150A	Eclectic	146.11	358	P	PKPdf	17 27 31.7	+0.3
149A	Jones	146.14	359	P	PKPdf	17 27 31.8	+0.3
JCT	Junction City	146.15	19	ePKPdf	PKPbc	17 27 32.1	-0.4
JCT	Junction City	146.15	19	ePKP2	PKPbc	17 27 32.1	-0.4
JCT	Junction City	146.15	19	P	PKPbc	17 27 32.1	-0.4
151A	Opelika	146.16	357	P	PKPbc	17 27 31.9	-0.5
NATX	Nacogdoches	146.28	11	ePKPdf	PKPab	17 27 33.5	0.0
NATX	Nacogdoches	146.28	11	P	PKPab	17 27 33.3	-0.2
244A	Avery Jackson	146.56	5	P	PKPbc	17 27 33.8	+0.2
254A	Abbeville	146.56	354	P	PKPbc	17 27 33.9	+0.3
251A	Midway	146.59	357	P	PKPbc	17 27 33.3	-0.4
252A	Lumpkin	146.64	356	P	PKPbc	17 27 33.8	-0.1
250A	Grady	146.74	358	P	PKPbc	17 27 34.1	0.0
249A	Camden	146.76	359	P	PKPbc	17 27 34.3	+0.1
342A	Flagon Creek P	147.04	8	P	PKPab	17 27 35.7	-0.7
355A	Pearson	147.10	353	P	PKPbc	17 27 35.3	+0.2
347A	Saraland	147.32	2	P	PKPbc	17 27 36.3	+0.5
BRAL	Brewton	147.57	359	PFAKE	LR	17 27 50.0	+1.2
HKT	Hockley	147.78	14	ePKPbc	PKPbc	17 27 37.6	+0.6
HKT	Hockley	147.78	14	ePKP2	PKPbc	17 27 37.6	+0.6
LCO	Las Campanas	148.28	209	PFAKE	LR	17 27 50.0	+8.3
ANWB	Wilby Bob	148.37	308	PFAKE	LR	17 27 50.0	+7.9
KVXT	Kingsville	149.48	18	PFAKE	LR	17 27 50.0	+3.7
GRGR	Grenville	151.03	298	PFAKE	LR	17 27 50.0	-3.1
SGJ	San Juan	151.40	314	PFAKE	LR	17 27 50.0	+3.6
LVC	Limon Verde	152.29	219	PFAKE	LR	17 27 50.0	+1.2
SAML	Samuel	154.71	252	PFAKE	LR	17 28 00.0	+6.2
GTBY	Guantanamo Bay	155.55	331	PFAKE	LR	17 28 00.0	-1.2
MTDJ	Mount Denham	158.15	334	PFAKE	LR	17 28 00.0	+1.0
SDV	Santo Domingo	160.33	302	PFAKE	LR	17 28 00.0	+7.5
NNA	Nana	165.14	225	PFAKE	LR	17 28 10.0	+1.3
BCIP	Isla Barro Col	167.00	324	PFAKE	LR	17 28 10.0	+1.2
JTS	JuntasAbangare	168.08	348	PFAKE	LR	17 28 10.0	+1.1
OTAV	Otavalo	170.83	280	PFAKE	LR	17 28 10.0	+8.5

ISCJ 11 17:09:02.6:1.1, 4.45S:129.12E, h0km, mb4.0/4, mb1.4/2.8, mb1mx4.0/33, mbtmp4.1/8, ML4.0/4, Error ellipse: s-maj=5.2km s-min=20.1km az=84.0
 ISCJ 11 17:09:07.5:0.5, 4.41S:0.05E:128.34E-0.04, h0km, mb3.9/4, Error ellipse: s-maj=8.0km s-min=5.2km az=154.6
 DJA 11 17:09:07.9:0.8, 4.4S:4.12E, h10km, mb4.3/14, mb5.0/3, mb4.4/14, ML4.3/12, Mw(MB)4.3/3
 ISC 11 17:09:08.0:0.8, 4.49S:0.07E:129.38E:0.08, h40km, n30, az=224.29, mb4.0/4, Banda Sea

Code	Station Name	Δ°	AZ°	Op	Phase ID	Time	Res
BNDI	Bandanaira	0.53	94	Op	ISC	h n s	ISC
AAI	Ambon	1.42	304	P	Pn	17 10 09.7	-0.4
FAKI	Fak Fak	3.26	62	P	Pn	17 09 58.8	+3.1
SIJI	Sorong	4.06	28	Pn	Pn	17 10 08.0	+0.3
SIJI	1.9m, 0.3s, baz=226, slow=20, SNR=25.1			Sn		17 10 53.5	-0.5
SWI	Sorong	4.06	28	P	Pn	17 10 08.9	+1.2
SANI	Sanana	4.16	306	P	Pn	17 10 10.0	+1.0
RKPI	Ransiki, Papua	5.63	58	P	Pn	17 10 31.6	+2.3
KDI	Kendari	6.76	274	P	Pn	17 10 47.0	+2.3
BBSI	Bau Bau	6.85	261	P	Pn	17 10 49.2	+3.2
SOEI	Soe	7.28	224	P	Pn	17 10 55.5	+3.5
KMSI	Cibinong	7.37	313	P	Pn	17 10 54.5	+1.4
LWUI	Luwit	9.64	278	P	Pn	17 10 56.5	+2.6
BATI	Baumata	8.02	225	Pn	Pn	17 11 01.9	-0.2
BATI	Baumata	8.02	225	Pn	Pn	17 11 00.7	-1.4
MMRI	Maumere	8.20	239	P	Pn	17 11 07.1	+2.6
AFSI	Ampana	8.50	295	P	Pn	17 11 09.7	+1.2
EDFI	Ende Flores	8.73	241	P	Pn	17 11 14.7	+2.9
MRSI	Marisa	8.92	303	P	Pn	17 11 15.7	+1.4
BSSI	Bau Bau, Buton	9.00	259	P	Pn	17 11 18.3	+2.9
BKSI	Bulukumba	9.26	264	P	Pn	17 11 21.1	+2.1
SPSI	Sidrap Palu	9.59	273	P	Pn	17 11 24.9	+1.3
ITSI	Tana Toraja	9.64	278	P	Pn	17 11 25.9	+1.5
PCI	Palu	10.17	290	P	Pn	17 11 32.6	+1.1
FITZ	Fitzroy Crossi	14.01	195	Pn	Pn	17 12 20.7	-3.3
WRA	Warramunga Arr	16.10	163	Pn	Pn	17 12 46.4	-5.2
ASAR	Alice Springs	19.56	168	P	P	17 13 32.8	+0.2
CTA	Charters Tower	22.60	135	P	P	17 14 07.4	+2.1
CMR	Chiang Mai Arr	37.68	306	P	P	17 16 17.3	-2.4
MJAR	Matsushiro Arr	41.65	11	P	P	17 16 52.7	+0.2

MKAR Makanchi Array 65.80 327 P P 17 19 48.8 -0.4
 1.4m, 0.6s, baz=112, slow=6.5, SNR=6.3
 ISCJ 11 17:22:09.9:0.2, 32.79S:0.02:70.40W:0.03, h94km, 1km, mb5.4/348, Error ellipse: s-maj=4.0km s-min=3.2km az=161.1
 NEIC 11 17:22:09.9:0.3, 32.79S:70.31W, h82km, 3km, mb5.5/296, MW5.6, MW5.5, MD5.7(SJA), ML5.7(GUC), Error ellipse: s-maj=4.4km s-min=2.9km az=77.0, Moment Tensor Solution. s14 Moment tensor: Scale 1017Nm; M=0.04; Mw=0.52; Mw0.48; Mw-1.12; Mw3.20; Mw0.54; Best double couple: M3.50000x1017 Np1.9x17.00000x17.00000x0.0, λ-171.00000°. NP2.8x84.00000x82.00000x0.0, λ-17.00000°. Principal axes: T 3.2500, Plg6.0000°, Azm132.0000°; N 0.4000, Plg71.0000°, Azm239.0000°; P -3.6500, Plg18.0000°, Azm40.0000°
 NEIC Felt [V] at Lampa, Melipilla, Penafior, Puente Alto, San Bernardo, Santiago, Talagante and Tili and [V] in the Pelota-Francagua-Valparaiso area. Felt as far north as Coquimbo and as far south as Linares. Also felt [V] at Mendoza and [III] at San Juan, Argentina.
 SJA 11 17:22:09.6:0.7, 32.98S:70.50W, h137km, 6km, ML5.7, MW5.2
 GUC 11 17:22:10.5:0.5, 32.88S:70.65W, h95km, 2km, ML5.7, MW5.7
 MOS 11 17:22:10.4:1.0, 32.82S:70.52W, h93km, mb5.4/51, MS4.3/4, Error ellipse: s-maj=14.5km s-min=6.1km az=99.5
 NEIC 11 17:22:10.0:0.0, 32.97S:70.52W, h120km, Moment Tensor Solution. s22 Moment tensor: Scale 1017Nm; M=0.05; Mw=1.51; Mw-1.46; Mw0.21; Mw1.93; Mw0.26; Best double couple: M2.00000x1017 Np1.3x161.00000x88.00000x0.0, λ-172.00000°. NP2.8x71.00000x83.00000x0.0, λ-2.00000°. Principal axes: T 2.4200, Plg3.0000°, Azm295.0000°; N 0.6700, Plg82.0000°, Azm179.0000°; P -2.4900, Plg6.0000°, Azm26.0000°
 BUI 11 17:22:11.3:32.90S:70.40W, h82km, mb5.3/13, Ms5.5/7, Ms7.5/7
 IDC 11 17:22:13.3:3.2, 32.86S:70.42W, h113km, 27km, mb5.0/17, mb1.5/19, mb1mx5.1/22, mbtmp5.4/19, MS4.4/7, Ms1.4/4.7, ms1mx4.1/22, Error ellipse: s-maj=16.0km s-min=11.1km az=61.0
 GCMT 11 17:22:14.9:0.1, 32.86S:0.01:70.57W:0.01, h107km, 1km, MW5.6/92, Moment Tensor Solution. s92.c155; s92.c182; Duration: 116 Moment tensor: Scale 1017Nm; M=0.01±0.04; Mw=1.11±0.05; Mw-1.11±0.05; Mw0.41±0.04; Mw3.10±0.04; Mw0.28±0.04; Best double couple: M3.32900x1017 Np1.9x80.00000x84.00000x0.0, λ-6.00000°. NP2.8x170.00000x84.00000x0.0, λ-174.00000°. Principal axes: T 3.2930, Plg0.0000°, Azm125.0000°; N 0.0680, Plg82.0000°, Azm216.0000°; P -3.3660, Plg8.0000°, Azm35.0000°; nst: refers to body waves, cutoff=40s. nst2: refers to surface/mantle waves, cutoff=240s. Triangular moment-rate function
 ISC 11 17:22:09.9:0.5, 32.38S:0.03:70.59W:0.04, h82km, 4km, n179, c191/187, mb5.5/348, 31C-17D, Chile-Argentina

Code	Station Name	Δ°	AZ°	Op	Phase ID	Time	Res
PEL	Peidehue	0.28	197	eP	Pn	17 22 24.1	+1.7
PEL	Peidehue	0.28	197	iP	Pn	17 22 24.1	+1.7
PEL	Peidehue	0.28	197	iS	Sn	17 22 38.4	+2.7
PEL	Peidehue	0.28	197	iS	Sn	17 22 35.0	
PEL	Peidehue	0.28	197	eP	Pn	17 22 24.1	+1.7
ROCH	Ei Roble	0.37	255	iP	Pn	17 22 24.9	+1.8
ROCH	Ei Roble	0.37	255	iS	Sn	17 22 38.4	+2.7
ROCH	Ei Roble	0.37	255	iS	Sn	17 22 38.4	
ROCI	Ei Roble	0.38	254	eP	Pn	17 22 25.1	+1.9
FCH	Fanelones	0.51	151	iS	Sn	17 22 26.3	+2.0
FCH	Fanelones	0.51	151	iS	Sn	17 22 38.4	+3.6
FCH	Fanelones	0.51	151	iS	Sn	17 22 39.9	
CLCH	Cerro Calan	0.52	175	iP	Pn	17 22 25.8	+1.7
CLCH	Cerro Calan	0.52	175	iS	Sn	17 22 36.8	+2.2
CLCH	Cerro Calan	0.52	175	iS	Sn	17 22 44.0	
ANTU	Antumapu	0.69	183	iP	Pn	17 22 27.1	+1.4
ANTU	Antumapu	0.69	183	iS	Sn	17 22 39.8	+2.4
ANTU	Antumapu	0.69	183	iS	Sn	17 22 40.3	
LMEL	Las Melosas	1.02	162	iP	Pn	17 22 31.1	+1.6
LMEL	Las Melosas	1.02	162	iS	Sn	17 22 47.0	+3.0
LMEL	Las Melosas	1.02	162	iS	Sn	17 22 49.4	
ARCO	CERRO ARCO	1.39	89	iP	Pn	17 22 37.5	+3.5
ARCO	CERRO ARCO	1.39	89	eS	Sn	17 22 57.3	+5.0
ARCO	CERRO ARCO	1.39	89	eS	Sn	17 23 00.5	
AAGR	Agrelo	1.49	99	eP	Pn	17 22 38.5	+3.2
RTLS	Salagasta	1.50	80	eP	Pn	17 22 39.5	+3.6
RTLS	Leoncito	1.53	46	eP	Pn	17 22 39.5	+3.6
RTLS	Leoncito	1.53	46	eP	Pn	17 22 40.1	
RTLS	Combarbala	1.73	348	eS	Sn	17 23 01.0	+5.4
CMCH	Combarbala	1.73	348	iS	Sn	17 23 01.1	+1.7
CMCH	Combarbala	1.73	348	iS	Sn	17 23 02.1	+2.1
RTCV	Cerro Valdivia	2.00	60	eP	Pn	17 22 44.9	+3.0
SJA	San Juan	2.18	52	eP	Pn	17 22 47.3	+3.0
SJA	San Juan	2.18	52	eP	Pn	17 22 48.2	
RTLL	Cerro Villicun	2.36	50	eP	Pn	17 22 49.4	+2.7
RTLL	Cerro Villicun	2.36	50	eP	Pn	17 22 52.0	
RTLL	Cerro Villicun	2.36	50	iS	Sn	17 23 21.7	+6.7
RTLL	Cerro Villicun	2.36	50	iS	Sn	17 23 23.4	
GO05	Hualae0	2.40	207	eP	Pn	17 22 46.5	-0.7
GO05	Hualae0	2.40	207	eP	Pn	17 23 21.1	
RFA	San Rafael	2.59	138	eP	Pn	17 22 51.4	+1.7
RFA	San Rafael	2.59	138	eP	Pn	17 23 07.7	

11d 17h

Table with columns for name, time, and other metrics. Includes entries like Pelee Case Pet, Morne Balai, Neumayer Olymp, etc.

2012 OCT

Table with columns for name, time, and other metrics. Includes entries like Hazlehurst, Blakely, Vanda, etc.

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Table with columns for name, time, and other metrics. Includes entries like Y52A, SLBS, 145A, etc.

V52A	Sevierville	69.44	349	P	P	17 33 08.7	-0.3
PLAL	Pickwick Lake	69.47	345	eP	P	17 33 08.9	-0.3
X44A	Crenshaw	69.50	343	P	P	17 33 09.4	0.0
V51A	Loudon	69.53	348	eP	P	17 33 09.4	-0.1
V51A	Loudon	69.53	348	P	P	17 33 09.3	-0.3
V50A	Pikeville	69.53	347	P	P	17 33 09.5	+0.2
Y41A	Eaglebeard	69.56	341	P	P	17 33 10.6	+0.7
W47A	Westpoint	69.62	345	P	P	17 33 10.1	-0.1
W46A	Mitchie	69.68	345	P	P	17 33 09.8	-0.7
X43A	Marvell	69.70	342	P	P	17 33 11.0	+0.3
V49A	McMinnville	69.78	347	P	P	17 33 10.7	-0.4
U53A	Fall Branch	69.79	350	P	P	17 33 10.5	-0.8
Y40A	Okolona	69.88	340	P	P	17 33 12.1	+0.3
W45A	Hickory Valley	69.89	344	P	P	17 33 11.6	-0.2
X42A	Stuttgart	69.93	342	P	P	17 33 12.4	+0.3
V48A	Smith Brothers	69.93	346	eP	P	17 33 12.2	0.0
V48A	Smith Brothers	69.93	346	P	P	17 33 12.1	0.0
U52A	Thorn Hill	69.94	349	P	P	17 33 11.6	-0.6
W44A	Shelby Farms P	70.02	343	P	P	17 33 12.2	-0.4
U51A	La Follette	70.03	348	P	P	17 33 12.4	-0.3
X41A	Kaden, Bauxite	70.11	341	P	P	17 33 12.9	-0.3
TZTN	Tazewell	70.12	349	eP	P	17 33 12.8	-0.4
TZTN	Tazewell	70.12	349	P	P	17 33 12.8	-0.4
W47A	Nunnely	70.16	345	P	P	17 33 13.4	-0.1
W43A	Forest City	70.19	343	P	P	17 33 13.9	+0.2
X40A	Basin Creek Fa	70.19	341	eP	P	17 33 14.2	+0.5
X40A	Basin Creek Fa	70.19	341	P	P	17 33 13.7	0.0
U50A	Jamestown	70.21	348	P	P	17 33 13.3	-0.5
V46A	Holladay	70.27	345	P	P	17 33 13.7	-0.4
U4LR	University of	70.33	341	eP	P	17 33 14.8	+0.3
BLA	Blacksburg	70.33	352	eP	P	17 33 15.1	+0.6
BLA	Blacksburg	70.33	352	eP	P	17 33 15.1	+0.6
BLA	Blacksburg	70.33	352	P	P	17 33 14.6	0.0
V45A	Humboldt	70.40	344	P	P	17 33 14.9	0.0
MIAR	Mount Ida	70.46	340	eP	P	17 33 15.7	+0.4
MIAR	Mount Ida	70.46	340	eP	P	17 33 15.7	+0.4
MIAR	Mount Ida	70.46	340	P	P	17 33 15.3	0.0
U49A	Red Boiling Sp	70.48	347	P	P	17 33 15.0	-0.4
WVT	Waverly	70.52	345	eP	P	17 33 15.5	-0.1
WVT	Waverly	70.52	345	eP	P	17 33 15.5	-0.1
WVT	Waverly	70.52	345	P	P	17 33 15.7	0.0
W42A	Bald Knob	70.58	342	P	P	17 33 16.2	+0.2
T52A	Hallie	70.58	350	P	P	17 33 15.4	-0.7
X39A	Fountain Park	70.59	340	P	P	17 33 16.6	+0.5
T51A	Gray	70.59	349	P	P	17 33 15.7	-0.4
U48A	Cassie P	70.62	346	P	P	17 33 16.0	-0.3
W41B	Gary Mavity, V	70.68	341	P	P	17 33 16.9	+0.3
ABTX	Ablene, Hawie	70.68	334	eP	P	17 33 17.2	+0.4
ABTX	Ablene, Hawie	70.68	334	P	P	17 33 17.1	+0.4
V44A	Blytheville	70.70	343	P	P	17 33 16.7	0.0
U47A	Clarksville	70.71	346	P	P	17 33 16.7	-0.1
T50A	Nancy	70.80	348	P	P	17 33 16.6	-0.7
R58B	Mineral	70.81	354	P	P	17 33 18.0	+0.7
U46A	Springville	70.81	345	P	P	17 33 17.5	+0.1
V43A	Jonesboro	70.82	343	P	P	17 33 17.4	-0.1
W40A	Ferguson Farm,	70.92	341	eP	P	17 33 18.9	+0.8
U45A	Ferguson Farm,	70.92	341	P	P	17 33 18.4	+0.3
W40A	Ferguson Farm,	70.92	341	P	P	17 33 18.4	+0.2
UTMT	University of	70.95	344	eP	P	17 33 19.2	+0.9
GLAT	Glass	70.98	344	eP	P	17 33 19.4	+1.0
T49A	Edmonton	71.01	347	eP	P	17 33 18.1	-0.5
T49A	Edmonton	71.01	347	P	P	17 33 18.0	-0.5
W42A	Cord	71.05	342	P	P	17 33 18.5	-0.4
U44B	Burton Farm, H	71.06	344	P	P	17 33 19.4	+0.5
W39A	Magazine	71.13	340	eP	P	17 33 20.2	+0.8
W39A	Magazine	71.13	340	P	P	17 33 20.1	+0.8
S52A	Salyersville	71.15	350	P	P	17 33 20.0	-0.5
T48A	Bowling Green	71.17	347	P	P	17 33 19.1	-0.5
S51A	Beattyville	71.19	349	eP	P	17 33 19.6	-0.2
S51A	Beattyville	71.19	349	P	P	17 33 19.4	-0.3
T47A	Sharon Grove	71.20	346	eP	P	17 33 19.5	-0.3
T47A	Sharon Grove	71.20	346	P	P	17 33 19.4	-0.3
V41A	Mountainview	71.23	342	P	P	17 33 19.5	-0.5
U44A	Portageville	71.30	344	P	P	17 33 20.6	+0.2
U43A	Rector	71.34	343	P	P	17 33 20.7	+0.1
S50A	Richmond	71.37	348	P	P	17 33 20.2	-0.5
T46A	Princeton	71.41	345	P	P	17 33 20.7	-0.3
V40A	Witts Springs	71.43	341	eP	P	17 33 21.2	0.0
V40A	Witts Springs	71.43	341	P	P	17 33 21.1	-0.2
PARMO	Parma	71.46	344	eP	P	17 33 22.0	+0.7
U42A	Revdend	71.53	343	P	P	17 33 21.5	-0.2
T45A	Paducah	71.55	345	P	P	17 33 21.4	-0.5

PPT2	Papeete2	71.61	261	eLR	LR	17 55 12.3	
S49A	Springfield	71.62	348	P	P	17 33 21.1	-1.2
S48A	Wiemann Farm,	71.64	347	P	P	17 33 21.4	-1.0
V39A	Pettigrew	71.69	340	P	P	17 33 22.9	+0.1
U41A	Viola	71.69	342	P	P	17 33 22.5	-0.2
PBMO	Poplar Bluff	71.73	343	eP	P	17 33 23.1	+0.2
R52A	Cattlettsburg	71.73	350	P	P	17 33 22.4	-0.5
S47A	Hartford	71.74	346	P	P	17 33 22.1	-0.9
T44A	Benton	71.83	344	P	P	17 33 23.1	-0.4
R51A	Hillsboro	71.84	349	P	P	17 33 23.1	-0.5
R50A	Paris	71.94	349	P	P	17 33 23.7	-0.5
U40A	Yellville	71.95	341	P	P	17 33 24.2	-0.1
T43A	Greenville	71.99	344	P	P	17 33 24.2	-0.3
S46A	Don Dixon Farm	71.99	346	P	P	17 33 23.6	-0.9
R49A	Shelbyville	72.09	348	P	P	17 33 24.4	-0.7
T42A	Van Buren	72.14	343	eP	P	17 33 25.0	-0.4
T42A	Van Buren	72.14	343	P	P	17 33 24.7	-0.7
MNTX	Cornudas Mount	72.15	329	eP	P	17 33 25.1	-0.5
MNTX	Cornudas Mount	72.15	329	P	P	17 33 25.2	-0.5
U39A	Green Forest	72.15	341	P	P	17 33 25.0	-0.5
GDLT	Geatlowe Moun	72.15	330	eP	P	17 33 26.7	+1.0
SDMD	Soldier's Deli	72.16	355	eP	P	17 33 26.6	+1.1
S45A	Carrier Mills	72.17	345	P	P	17 33 24.9	-0.6
HHAR	Hobbs	72.19	340	eP	P	17 33 25.9	+0.2
WCI	Wyandotte Cave	72.24	347	eP	P	17 33 25.4	-0.6
WCI	Wyandotte Cave	72.24	347	eP	P	17 33 25.4	-0.6
WCI	Wyandotte Cave	72.24	347	P	P	17 33 25.0	-1.0
USIN	University of	72.25	346	eP	P	17 33 25.5	-0.5
WMOK	Wichita Moun	72.28	336	eP	P	17 33 24.7	-1.6
WMOK	Wichita Moun	72.28	336	eP	P	17 33 24.7	-1.6
WMOK	Wichita Moun	72.28	336	P	P	17 33 26.1	-0.3
Q52A	Bidwell	72.29	350	P	P	17 33 25.8	-0.5
T41A	Mountain View	72.32	342	P	P	17 33 26.4	-0.1
R48A	Northridge Ran	72.33	347	P	P	17 33 26.0	-0.4
S44A	Carbondale	72.33	345	P	P	17 33 26.1	-0.4
SIUC	Southern Illin	72.34	345	eP	P	17 33 25.6	-1.0
R47A	Wooly Knot Far	72.35	347	P	P	17 33 25.4	-1.2
TUL1	Leonard	72.39	339	eP	P	17 33 26.5	-0.4
TUL1	Leonard	72.39	339	P	P	17 33 26.5	-0.4
S43A	Fulton Ridge,	72.41	344	P	P	17 33 26.7	-0.3
Q50A	Geatlowe Moun	72.43	349	P	P	17 33 26.3	-0.8
R46A	Gibson Southern	72.46	346	P	P	17 33 26.4	-0.9
HSIG	Peoples	72.49	342	eP	P	17 33 28.9	+1.2
Q51A	Peoples	72.51	350	eP	P	17 33 26.8	-0.8
Q51A	Peoples	72.51	350	P	P	17 33 27.0	-0.6
PSUB	Penn St. - Bra	72.58	356	eP	P	17 33 29.0	+1.1
T40A	Mansfield	72.61	342	P	P	17 33 28.2	0.0
MCWV	Mont Chateau	72.62	353	P	P	17 33 28.6	+0.1
P53A	Whipple	72.69	351	eP	P	17 33 28.6	-0.1
P53A	Whipple	72.69	351	P	P	17 33 28.5	-0.2
R45A	Skylar, Fairri	72.70	345	P	P	17 33 27.8	-0.9
EPT	El Paso	72.70	328	eP	P	17 33 29.9	+0.9
MVL	Millersville	72.71	355	eP	P	17 33 29.9	+1.2
T39A	Clever	72.72	341	P	P	17 33 28.7	-0.2
Q49A	Aurora	72.74	348	P	P	17 33 28.4	-0.5
S42A	Caledonia	72.76	343	P	P	17 33 28.5	-0.6
Q48A	North Vernon	72.81	348	P	P	17 33 28.8	-0.6
R44A	Waltonville	72.83	345	P	P	17 33 28.8	-0.7
S41A	Jilco Farms,	72.83	343	P	P	17 33 29.3	-0.2
P51A	Williamsport	72.92	350	eP	P	17 33 29.6	-0.4
P51A	Williamsport	72.92	350	P	P	17 33 29.6	-0.4
P52A	Corning	72.94	351	P	P	17 33 29.3	-0.8
Q47A	Bedord North L	72.95	347	P	P	17 33 29.2	-0.9
PAGS	Pennsylvania G	72.96	355	eP	P	17 33 31.0	+0.8
T38A	Diamond	72.99	340	P	P	17 33 30.3	-0.1
R43A	Red Bud	73.04	344	P	P	17 33 30.4	-0.4
MSTX	Muleshoe	73.06	332	eP	P	17 33 31.5	+0.4
MSTX							

Table with columns: TUC, Tucson, 75.11 326 eP, P, 17 33 44.8 +1.7, etc. Lists various locations and their associated data points.

Table with columns: K39A, Oelwein, 77.71 344 P, P, 17 33 56.7 -0.7, etc. Lists various locations and their associated data points.

Table with columns: G38A, Ridgeland, 80.05 345 P, P, 17 34 09.2 -0.9, etc. Lists various locations and their associated data points.

Table with columns: UGM, WANAGAMA, 1.76 93 P, Pn, 21 25 40.6 +0.5, etc.

NNC 11 21:27:41.5:3.2,38:01N:71:51E,h0km,mb3.7,mpv3.3, 7C-1D, Error ellipse: s-maj=23.9km s-min=19.0km

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

NIED 11 21:32:00.29:80N,130:80E,h29km,Mw4.0 Best double couple: Ms=9.760000,1014 NP1,phi=63.000000, delta=0.000000, lambda=70.000000, NP2,phi=221.000000, delta=0.000000, lambda=100.000000

ISCJB 11 21:32:31.3:0.5,29:85N:130:75E:0.07,h59km,5km, mb3.8/9,MS2.8/1, Error ellipse: s-maj=11.2km s-min=3.6km az=24.1

JMA 11 21:32:31.4:0.1,29:83N:130:79E,h46km,1km,M3.7 IDC 11 21:32:31.9:1.4,29:85N:130:67E,h4km,14km,mb3.5/9, mb1.3/7,mb1mx3.5/48,mbtmp3.7/13,ML3.4/4,MS2.9/5, Ms1.2/9,ms1mx2.7/24, Error ellipse: s-maj=22.1km s-min=9.3km az=104.6

ISC 11 21:32:32.2:1.0,29:85N:130:74E:0.07,h47km,9km, n32,c089/42,mb3.7/9,Ryukyu Islands

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

IDC 11 21:36:05.4:0.8,33:98S:72:17W,h0km,mb4.1/7, mb1.4/2,10,mb1mx4.0/34,mbtmp4.1/10,ML4.0/3,MS3.2/4, Ms1.3/2.4,ms1mx3.0/18, Error ellipse: s-maj=33.2km s-min=15.7km az=96.0

ISCJB 11 21:36:06.3:0.7,33:99S:0:04:72:56W:0.06,h17km, mb4.1/6,MS3.5/2, Error ellipse: s-maj=7.8km s-min=5.5km az=12.9

NEIC 11 21:36:08.0:0.0,34:01S:72:48W,h43km,mb4.2/1, ML4.3(GUC),After GUC.

NEIC Felt [I] at Rancagua. GUC 11 21:36:08.3:0.3,34:01S:72:48W,h43km,1.3km,ML4.3

ISC 11 21:36:07.3:0.7,33:94S:0:05:72:49W:0.06,h17km,n37,c0176/45,mb4.2/6,1C, Off coast of central Chile

Table of station data for the Chile region with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

Table of station data for the ASAL region with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

ISCJB 11 21:55:40.9:0.4,40:27N:152:02:25:52E:0.03,h6km,4km, Error ellipse: s-maj=4.2km s-min=3.7km az=155.8

ISK 11 21:55:40.6,40:25N:25:52E:h8km,ML 1/8/8 DDA 11 21:55:40.5,40:19N:25:52E:h7km,ML2.5

ATH 11 21:55:41.2,40:29N:25:51E:h13km,4km,ML 1.4/5, Error ellipse: s-maj=5.8km s-min=1.0km az=49.0

ISC 11 21:55:41.0:0.4,40:28N:0:03:25:51E:0.03,h12km,gkm, n23,c054/33,Aegean Sea

Main table of station data for the ASAL region with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

Main table of station data for the SNAA region with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

OTAV	25nm,0.9s	Otavallo	70.46	302	eP	P	22 14 58.3	+1.1
SOTA	86nm,1.6s	Rioblanco	71.28	305	eP	P	22 15 03.8	+1.6
PCON		Cinco Días	72.35	307	eP	P	22 15 07.1	+4.4
MARP		Paez Belalcaza	71.61	306	eP	P	22 15 05.2	+3.3
POPC		Propayan, Colom	71.67	305f	eP	P	22 15 05.9	+1.7
PRAC		Praday	71.91	307	eP	P	22 15 06.2	+0.8
CHIC		Chingaza	72.22	309	eP	P	22 15 07.6	+0.1
ROSC		El Rosal	72.66	323	LR	LR	22 20 31.8	
TOAD	comp=Z,29nm,18.5s	Torodi Ar. Sit	72.21	28	eP	P	22 15 11.5	+0.2
TORD	15nm,0.6s,baz=177,slow=4,SNR=104	Torodi Ar. Bea	72.91	28	P	P	22 15 09.3	+1.9
TORD	comp=Z,28nm,20.0s,baz=245,slow=3				LR	LR	22 41 08.3	
RUSC		La Rusia	73.07	310	eP	P	22 15 13.3	+0.5
GUYC		Guayana, Colomb	73.47	308	eP	P	22 15 14.8	+0.4
PAMV		Pampiona, Colo	74.21	311	eP	P	22 15 15.8	+3.7
SDMC		Santo Domingo	74.76	314	eP	P	22 15 22.4	+0.1
LTZ		Lake Taylor	80.10	193	eP	P	22 15 52.4	+0.7
HUMP		Col San Antoni	81.46	322	eP	P	22 15 59.7	+0.6
CBYP		Canovanas	81.58	322	eP	P	22 16 00.1	+0.2
TAM		Tamnarraset	83.14	29	eP	P	22 16 08.8	+0.8
STKA		Stevens Creek	91.50	169	P	P	22 16 48.5	0.0
STKA					LR	LR	22 56 14.2	
RAR	comp=Z,110nm,18.8s,baz=199,slow=34	Rarotonga	93.59	222	LR	LR	22 54 48.3	
ASAR	comp=Z,50nm,18.6s,baz=143,slow=33	Alice Springs	94.49	161	P	P	22 17 19.4	+1.2
ASAR	1.9nm,0.8s,baz=191,slow=4,SNR=13				PP	PP	22 21 17.4	+2.8
ASAR	1.9nm,0.9s,baz=188,slow=8,SNR=4.5	Alice Springs	95.50	161	eP	P	22 17 19.6	+1.0
WSO1		Warramunga Arr	102.20	161	P	Pdf	22 17 36.5	+0.6
ASO1		Alice Springs	98.50	161	eP	P	22 17 36.5	+0.6
WRAB	1.0nm,0.8s,baz=196,slow=5,SNR=5.5	Tennant Creek	102.22	161	Sdf	Sdf	22 22 18.5	+0.5
TXAR	0.5nm,0.9s,baz=160,slow=4,SNR=3.5	Lajitas Array	107.62	296	PP	PP	22 22 27.1	+2.6
GNI	0.5nm,113.01	5.2	Sdf	Sdf			22 30 48.3	+1.1
DNR	0.5nm,113.01	5.2	Sdf	Sdf			22 30 48.3	+1.1
DLR	0.5nm,113.01	5.2	Sdf	Sdf			22 30 48.3	+1.1
UNR	0.5nm,113.01	5.2	Sdf	Sdf			22 30 48.3	+1.1
PDAR	0.4nm,0.6s,baz=143,slow=5,SNR=4.5	Pinedale Array	121.15	301	PKP	PKP	22 22 33.4	+0.9
PDAR	0.4nm,0.6s,baz=143,slow=5,SNR=4.5				PKKPab	PKKPab	22 22 35.6	+0.2
HWUT	0.4nm,0.8s,baz=270,slow=3,SNR=3.7	Hardware Ranch	121.24	299	eP	PKP	22 22 34.9	+0.4
NVAR	0.4nm,0.5s,baz=141,slow=2,SNR=4.9	Mina Array Bea	122.23	292	PKP	PKP	22 22 37.6	+1.1
LHOW	0.4nm,0.5s,baz=141,slow=2,SNR=4.9	Long Hollow	122.23	291	PKP	PKP	22 22 37.4	+0.6
MOOV	0.4nm,0.5s,baz=141,slow=2,SNR=4.9	Moose Ponds	122.46	301	PKP	PKP	22 22 37.4	+0.7
FXWY	0.4nm,0.5s,baz=141,slow=2,SNR=4.9	Fox Creek	122.51	301	PKP	PKP	22 22 37.8	+0.9
PKMT	0.4nm,0.5s,baz=141,slow=2,SNR=4.9	Sadao Pong	122.72	113	PKP	PKP	22 22 39.9	+0.3
CB01	0.4nm,0.5s,baz=141,slow=2,SNR=4.9	Chiang Mai Arr	124.21	109	PKP	PKP	22 22 40.3	+0.3
CMAR	0.4nm,0.5s,baz=141,slow=2,SNR=4.9	Chiang Mai Arr	124.23	109	PKP	PKP	22 22 40.6	+0.1
FINES	0.4nm,0.5s,baz=141,slow=2,SNR=4.9	FINES Array B	124.26	27	PKP	PKP	22 22 38.9	+0.3
MSO	2.7nm,0.9s,baz=274,slow=3,SNR=6.2	Misoula	126.26	302	eP	PKP	22 22 45.1	+1.3
EMIO	0.9nm,0.3s,baz=252,slow=6,SNR=5.0	Blue Mountains	126.42	298	PKP	PKP	22 22 45.9	+0.8
ASKAR	0.9nm,0.3s,baz=252,slow=6,SNR=5.0	Abkutak	126.85	295	PKP	PKP	22 22 44.8	+0.1
PINE	0.9nm,0.3s,baz=252,slow=6,SNR=5.0	Pine Mountain	127.51	295	PKP	PKP	22 22 46.9	+0.5
G08A	0.9nm,0.3s,baz=252,slow=6,SNR=5.0	Pilot Rock	127.59	297	PKP	PKP	22 22 47.0	+0.6
KSH	0.9nm,0.3s,baz=252,slow=6,SNR=5.0	Kash	127.88	74	PKP	PKP	22 22 45.9	+1.2
KSH	0.9nm,0.3s,baz=252,slow=6,SNR=5.0				PP	PP	22 24 51.4	+0.9
KSH	0.9nm,0.3s,baz=252,slow=6,SNR=5.0				PKS	PKS	22 26 21.6	+2.1
KSH	0.9nm,0.3s,baz=252,slow=6,SNR=5.0				AMB	AMB	22 26 21.6	+2.1
ARCES	comp=Z,120nm,8.6s	ARCES Array B	130.90	21	PKP	PKP	22 22 51.9	+0.1
GYA	3.7nm,1.0s,baz=329,slow=2,SNR=8.8	Guyana	134.84	111	PKP	PKP	22 23 01.8	+0.4
GYA					PP	PP	22 25 39.6	+4.4
GYA					AMB	AMB	22 25 39.6	+4.4
MKAR	comp=Z,120nm,7.8s	Makanchi Array	136.23	71	PKP	PKP	22 23 02.2	+0.3
CD2	0.9nm,0.3s,baz=252,slow=6,SNR=5.0	Chengdu	136.83	104	PKP	PKP	22 23 03.5	+0.7
YKA	0.9nm,0.3s,baz=252,slow=6,SNR=5.0	Yellowknife Ar	136.90	317	PKP	PKP	22 23 02.3	+0.9
WMQ	2.4nm,0.6s,baz=126,slow=4,SNR=5.0	Urumqi	137.17	78	PKP	PKP	22 23 05.9	+1.4
WMQ	comp=N,52nm,17.3s				LR	LR	22 23 05.9	+1.4
WMQ	comp=E,53nm,25.5s				LR	LR	22 23 05.9	+1.4
LZH	comp=Z,51nm,18.3s	Lanzhou	140.79	99	eP	PKP	22 23 12.0	+0.6
LZH					SPK	SPK	22 23 26.3	
GTA		Gaotai	140.93	92	eP	PKP	22 23 11.7	+0.2
GTA					SPK	SPK	22 23 18.9	
ZALV	1.4nm,0.5s,baz=215,slow=3,SNR=6.6	Zalesov Beam	141.78	63	PKP	PKP	22 23 08.2	
NJ2	1.4nm,0.5s,baz=215,slow=3,SNR=6.6	Nanjing	145.53	120	eP	PKP	22 23 20.2	+0.1
HYT	1.4nm,0.5s,baz=215,slow=3,SNR=6.6	Haines Juncto	145.58	107	eP	PKP	22 23 20.8	+1.2
INK	1.4nm,0.5s,baz=215,slow=3,SNR=6.6	Inukik	145.51	320	eP	PKP	22 23 20.2	+0.5
BTO	1.4nm,0.5s,baz=215,slow=3,SNR=6.6	Baotou	147.41	100	PKP	PKP	22 23 25.0	+0.2
DAWY	1.4nm,0.5s,baz=215,slow=3,SNR=6.6	Dawson	147.56	311	PKP	PKP	22 23 25.0	+0.2
TIA	1.4nm,0.5s,baz=215,slow=3,SNR=6.6	Tai'an	147.98	113	PKP	PKP	22 23 26.8	0.0
HHC	1.4nm,0.5s,baz=215,slow=3,SNR=6.6	Hu-ho-hao-te	148.42	101	eP	PKP	22 23 22.1	+2.3
EGAK	1.4nm,0.5s,baz=215,slow=3,SNR=6.6	Eagle	148.59	316	PKP	PKP	22 23 26.8	+0.4
NRHK	1.4nm,0.5s,baz=215,slow=3,SNR=6.6	Noril'sk	148.37	39	PKP	PKP	22 23 26.8	+0.9
BRMR	4.2nm,0.7s,baz=323,slow=2,SNR=3.6	Bremner River	148.86	304	eP	PKP	22 23 29.6	+1.2
DIV	4.2nm,0.7s,baz=323,slow=2,SNR=3.6	Divide	149.45	304	eP	PKP	22 23 31.1	+1.3
SCRK	4.2nm,0.7s,baz=323,slow=2,SNR=3.6	Sand Creek	149.47	310	eP	PKP	22 23 31.0	+1.1
KLU	4.2nm,0.7s,baz=323,slow=2,SNR=3.6	Klutina	149.63	305	eP	PKP	22 23 31.5	+1.2
RIDG	4.2nm,0.7s,baz=323,slow=2,SNR=3.6	Independ'e Rid	149.78	309	eP	PKP	22 23 31.8	+1.2
PAXN	4.2nm,0.7s,baz=323,slow=2,SNR=3.6	Paxson	149.85	308	eP	PKP	22 23 31.3	+0.5
SONM	4.2nm,0.7s,baz=323,slow=2,SNR=3.6	Songino Array	149.96	86	PKP	PKP	22 23 31.5	+0.1
SONM	11nm,0.6s,baz=231,slow=3,SNR=2.0				PKPab	PKPab	22 23 36.5	+0.9
SONA1	4.6nm,0.8s,baz=248,slow=3,SNR=5.3	Songino Array	149.97	86	eP	PKP	22 23 31.5	+0.2
BJT	4.6nm,0.8s,baz=248,slow=3,SNR=5.3	Bajiatuau	150.32	107	eP	PKP	22 23 32.7	+0.1
LLN	4.6nm,0.8s,baz=248,slow=3,SNR=5.3	Ulanbatar	150.36	106	eP	PKP	22 23 32.3	+0.2
SHCP	4.6nm,0.8s,baz=248,slow=3,SNR=5.3	Sheep Creek Mo	150.38	305	eP	PKP	22 23 31.0	+0.1
DHY	4.6nm,0.8s,baz=248,slow=3,SNR=5.3	Denali Highway	150.72	308	eP	PKP	22 23 33.9	+0.9
SML	4.6nm,0.8s,baz=248,slow=3,SNR=5.3	Sawmill	150.83	305	eP	PKP	22 23 34.1	+1.0
HDA	4.6nm,0.8s,baz=248,slow=3,SNR=5.3	Harding Lake	150.84	310	eP	PKP	22 23 33.6	+0.6
IL1	4.6nm,0.8s,baz=248,slow=3,SNR=5.3	Eielson Array	150.88	311	eP	PKP	22 23 33.6	+0.5
ILAR	1.6nm,1.0s,baz=336,slow=3,SNR=8.1	Eielson Array	150.88	311	PKP	PKP	22 23 24.7	+2.7
ILAR	1.6nm,1.0s,baz=336,slow=3,SNR=8.1				PKPbc	PKPbc	22 23 33.3	+0.4
ILAR	2.4nm,0.9s,baz=129,slow=1,SNR=9.2				PKPab	PKPab	22 23 40.9	+0.3
ILB	4.6nm,0.8s,baz=248,slow=3,SNR=5.3	Eielson Array	150.88	311	eP	PKP	22 23 34.3	+0.3
GHO	4.6nm,0.8s,baz=248,slow=3,SNR=5.3	Glory Hole Cre	151.09	305	eP	PKP	22 23 33.4	+0.3
CCB	4.6nm,0.8s,baz=248,slow=3,SNR=5.3	Clear Creek Bu	151.25	311	eP	PKP	22 23 26.0	+1.9
CCB	4.6nm,0.8s,baz=248,slow=3,SNR=5.3				PKP	PKP	22 23 33.3	+0.6
CCLA	4.6nm,0.8s,baz=248,slow=3,SNR=5.3	College	151.31	311	eP	PKP	22 23 34.4	+0.4
WRH	4.6nm,0.8s,baz=248,slow=3,SNR=5.3	Wood River Hill	151.33	310	eP	PKP	22 23 43.6	+1.2
WRH	4.6nm,0.8s,baz=248,slow=3,SNR=5.3				PKP	PKP	22 23 24.4	+0.2
RND	4.6nm,0.8s,baz=248,slow=3,SNR=5.3	Reindeer	151.45	308	eP	PKP	22 23 35.6	+1.0
MDM	4.6nm,0.8s,baz=248,slow=3,SNR=5.3	Murphy Dome	151.48	311	eP	PKP	22 23 34.6	+0.1
ICK	4.6nm,0.8s,baz=248,slow=3,SNR=5.3	McKinley	151.50	311	eP	PKP	22 23 35.6	+0.9
TRF	4.6nm,0.8s,baz=248,slow=3,SNR=5.3	Thorofore Hill	152.09	308	eP	PKP	22 23 37.0	+0.9
SKT	4.6nm,0.8s,baz=248,slow=3,SNR=5.3	Skwentna	152.34	304	eP	PKP	22 23 37.3	+0.8
KTH	4.6nm,0.8s,baz=248,slow=3,SNR=5.3	Kantishna Hill	152.39	308	eP	PKP	22 23 37.5	+0.8
TOLK	4.6nm,0.8s,baz=248,slow=3,SNR=5.3	Took Lake Lake	152.40	319	eP	PKP	22 23 37.3	+0.8
EPAW	4.6nm,0.8s,baz=248,slow=3,SNR=5.3	Bear Paw Mtn	152.51	317	eP	PKP	22 23 37.2	+0.3
MLY	4.6nm,0.8s,baz=248,slow=3,SNR=5.3	Moly	152.55	311	eP	PKP	22 23 37.6	+0.6
MLY	4.6nm,0.8s,baz=248,slow=3,SNR=5.3				PKPab	PKPab	22 23 46.3	+1.4
COLD	4.6nm,0.8s,baz=248,slow=3,SNR=5.3	Manley	152.56	316	eP	PKP	22 23 38.0	+1.1
PPLA	4.6nm,0.8s,baz=248,slow=3,SNR=5.3	Purkeypile	152.83	306	eP	PKP	22 23 38.9	+1.1
IMS	4.6nm,0.8s,baz=2							

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BINGHAMTON, SNA, ERPA, MMNY, DBIC, PKME, TOAO, TORO, SCHO, PDAR, ULM, IMW, SYO, WDA, TAM, BOSA, F10A, PAB, ESDC, ES19, KSMH, MAW, YKA, FETA, RETA, WATA, MOTA, WTTA, ABTA, MYKA, GERES, ARU, AKTO, ABKAR, GEYT, ASO1, ASAR, WRA, ZAAO, ZALV, KSH, MAKZ, MKAR, MKAF, MK01, PALK, WMO, SONA1, SONM, SONM, ULN, ULN, ULN, USRK, USRK, PSI, HHC, KRSR, LZB, LZH, CMAR, CMAR, CD2, NJ2.

ISC 11 23:25:14.7-1.1, 0.74N:121.85E, h0km, mb3.9/5, mb1.4/1.5, mb1mx3.6/30, mbtmp3.9/5, Error ellipse: s-maj=202.2km s-min=20.3km az=62.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MRSI, KMSI, APSI, ARSI, LUWI, MPSI, PCI, SGSI, TTSI, SMKI, WRA, ASAR, MKAR, ZALV, KURBB, ISCJB, ISC, SHL, SHL, PAYA.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PAYA, CHTO, CMAT, CMAR, CMAR, LAMP, ODAN, RAMN, JIRN, GUN, PUKI, PKIN, KKN, DMN, GKN, DANN, KOLN, SONM, MKAR, KURBB, ZALV, WRA, ASAR, JMA, JFK, JFK, ONAJ, ONAJ, JFDD, JFDD, JMM, JMM, JMT, JMT, JHO, JHO, JSB, JSB, JOU, JOU, JIO, JIO, JFY, JFY, JYS, JYS, MAT, MAT, MDD, INMG, ISC, EMAZ, EMAZ, EAGO, EAGO, PGAV, PGAV, ELOB, ELOB, PCAB, PCAB, POLO, POLO, PCAS, PCAS, EPON, EPON, EPOS, EPOS, PVIS, PVIS, PMAFR, PMAFR, PMAFR, PMAFR, ALMR, ALMR, MTE, MTE, MTE, MTE, ECAL, ECAL, MVO, MVO, PBRG, PBRG, PMRV, PMRV, PMRV, PMRV, EVO, EVO, PESTR, PESTR, EAR1, EAR1, EAR1, EAR1, PTEO, PTEO, MESJ, MESJ, MESJ, MESJ, EPLA, EPLA, EPLA, EPLA, EBAD, EBAD.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EBAD, MORF, MORF, PFVI, PBDV, PBDV, PVAQ, PVAQ, EMIN, EMIN, PAB, PAB, ECAB, ECAB, ESCD, ESCD, EADA, EADA, IDC, ISCJB, NEIC, NEIC, NDI, NDI, NNC, ISC, CHCP, CHCP, NIL, NIL, CEP, CEP, THW, THW, DHRM, DHRM, DHRM, DHRM, KBL, KBL, SMLA, SMLA, SMLA, SMLA, KKR, KKR, DDI, DDI, DDI, DDI, KSH, KSH, KSH, KSH, SFK, SFK, SFK, SFK, JOSI, JOSI, JOSI, JOSI, JOSI, JOSI, NDI, NDI, KHET, KHET, KHET, KHET, NRN, NRN, AML, AML, KZA, KZA, UCH, UCH, ULHL, ULHL, MNAS, MNAS, AAK, AAK, AAK, AAK, EKS2, EKS2, KBK, KBK, CHMS, CHMS, TKM2, TKM2, TKM2, TKM2, PRZ, PRZ, KK31, KK31, KK31, KK31, KK31, KK31, DANN, DANN, KOLN, KOLN, GKN, GKN, BHP, BHP, BHJ, BHJ, KKN, KKN, KKN, KKN, PKIN, PKIN, PKI, PKI, GUN, GUN, JIRN, JIRN, JIRN, JIRN, REYN, REYN, REYN, REYN, GEYT, GEYT, GYA0B, GYA0B, ODAN, ODAN, MAKZ, MAKZ, MK01, MK01, MK31, MK31.

Table with columns: Station Name, Time, Azimuth, Phase ID, and Residual. Includes stations like MKAR, WMQ, LSA, POON, KURB, etc.

Table with columns: Station Name, Time, Azimuth, Phase ID, and Residual. Includes stations like FINES, SIRR, MDVR, AGG, FNA, etc.

Table with columns: Station Name, Time, Azimuth, Phase ID, and Residual. Includes stations like SEAG, SHAI1, SHAI2, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like ONI, DIGR, ZEI, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like ZKTA, GNI, GNBR, etc.

Technical notes and seismic event descriptions, including event IDs like IDC 12.00:31:26.3, 0.3, 4.81S, 134.10E, h0km, mb6.2/42, and various moment tensor solutions.

12d Oh

2012 OCT

Table with columns for call sign, name, frequency, and various status codes. Includes entries like TMWZ Te Maip, BFZ Birch Farm, TRWZ Traveler, etc.

Table with columns for call sign, name, frequency, and various status codes. Includes entries like NKL comp=N,21um,16.0s, KOLN Koldanda, TRD SKR Severo-Kuril's, etc.

Table with columns for call sign, name, frequency, and various status codes. Includes entries like BOM comp=Z,1um,11.4s, BOM SMLA Simla, BOM HVS Khovu-Aksy, etc.

KIP	comp=Z,36um,20.0s	LR	LR				
KIP	Kipapa	71.43	66d	P	MLR	P	00 42 50.0 +1.3
UCH	Uchtor	71.45	318	P	P	P	00 42 50.0 +1.0
OPA	Opana	71.49	65	eP	P	P	00 42 50.4 +1.3
OPA	Opana	71.49	65	eP	P	P	00 42 50.4 +1.3
ZALV	Zalesovo Beam	71.57	332	P	P	P	00 42 48.0 -0.9
ZALV	comp=Z,127nm,0.9s,baz=116,slow=8,SNR=175						
CHMS	Chumysh	71.62	318	P	P	P	01 10 39.0 -0.8
CHMS	SNR=53						
AAK	Ala-Archa	71.63	318	P	P	P	00 42 50.5 +0.7
AAK	SNR=154						
FRU	Bishkek	71.63	318	i/P	P	P	00 42 49.5 -0.1
FRU	e						00 43 13.0
FRU	e						00 45 27.5
FRU	e						00 47 08.0
FRU	eS				S	max	00 51 56.0 -1.1
FRU	comp=Z,570nm,2.0s						
FRU	comp=E,5um,11.0s					smax	smax
ATKA	Atka Island	71.75	31	eP	P	P	00 42 50.2 +0.1
USP	Ospenovka	71.90	318	P	P	P	00 42 51.7 +0.5
USP	SNR=431						
AML	Almayashu	71.96	317	P	P	P	00 42 53.0 +0.9
AMS	SNR=331						
EKS2	Erkin-Say	72.12	318	P	P	P	00 42 53.4 +0.7
EKS2	SNR=120						
KBL	Kabul	72.58	308	eP	P	P	00 42 55.6 -0.1
KBL	Kabul	72.58	308	eP	P	P	00 42 55.6 -0.1
KHLH	Kahului Airpor	72.76	66	eP	P	P	00 42 59.0 +2.3
NVS	Novosibirsk	72.85	332	i/P	P	P	00 42 56.8 +0.3
NVS	i						00 43 08.7
NVS	e						00 45 40.4
NVS	eS				S	max	00 52 20.8 +0.6
NVS	comp=Z,448nm,1.4s						
NVS	comp=E,323nm,1.5s					max	max
NVS	comp=Z,170nm,1.8s					max	max
NVS	comp=N,4,145nm,2.0s					max	max
NVS	comp=E,146nm,2.4s					smax	smax
HLK	Haleakala	72.89	67	eP	P	P	00 42 59.6 +1.7
MMAS	Manas	72.91	317	P	P	P	00 42 58.1 +0.7
MMAS	comp=Z,504nm,1.3s						
KURK	Kurchatov	72.91	327	eP	S	P	00 42 55.4 -1.7
KURK	KURK			S	S	P	00 52 19.0 -2.1
KURK	KURK			P	P	P	01 10 36.1
KURK	comp=Z,26um,20.0s						
KURK	SNR=241						
KURK	Kurchatov	72.91	327	P	P	P	00 42 57.3 +0.2
KURK	SNR=241						
KURK	Kurchatov	72.91	327	P	S	P	00 42 56.8 -0.2
KURK	KURK			S	S	P	00 52 19.0 -2.1
KURK	comp=Z,309nm,1.2s					max	max
KURK	comp=N,4.0nm,1.1s					smax	smax
KURBB	Kurchatov Arra	72.92	327	P	P	P	00 42 56.8 -0.2
KURBB	comp=N,308nm,1.0s,baz=124,slow=4,SNR=226						
KURBB	comp=N,4.1nm,1.0s,baz=140,slow=4,SNR=3.1						00 52 19.0 -2.2
KURBB	comp=N,2.6nm,0.4s,baz=283,slow=2.5,SNR=5.3						01 10 36.1 -1.7
BRTS	Baital	72.95	320	i/P	P	P	00 42 57.5 +0.1
BRTS	comp=N,183nm,1.4s						
BTLS				eS	LR	S	00 52 23.0 +1.1
BTLS	comp=N,692nm,13.0s						01 17 57.3
KHLU	Kahalu'u	72.98	68	eP	P	P	00 42 59.5 +1.3
HUH	Hualalai	73.05	68	eP	P	P	00 43 00.9 +2.1
MHA	Mahukona	73.09	67	eP	P	P	00 43 00.6 +1.9
MHA	Mahukona	73.09	67	eP	P	P	00 43 00.6 +1.9
MWH	Mokuaweowe	73.23	68	eP	P	P	00 43 01.5 +1.3
MLOA	Mauna Loa Obse	73.26	68	eP	P	P	00 43 01.5 +1.2
AIN	Ainahou	73.34	68	eP	P	P	00 43 02.0 +1.6
POHA	Pohakuloa	73.34	68	PFAKE	LR	LR	00 43 10.0 +9.5
POHA	comp=Z,26um,19.0s						
HMH	Humu'ula Sheop	73.36	68	eP	P	P	00 43 02.4 +1.7
MLH	Mauna Loa	73.43	68	eP	P	P	00 43 02.5 +1.5
MLH	Mauna Loa	73.43	68	eP	P	P	00 43 02.5 +1.5
HLP	Hilina Pali	73.46	68	eP	P	P	00 43 02.6 +1.6
PUH	Pauahi	73.56	68	eP	P	P	00 43 02.8 +1.2
PUH				eP	P	P	00 43 01.1 +1.6
STCH	Steam Cracks	73.65	68	eP	P	P	00 43 03.5 +1.4
NPOC	North of Pu'u	73.66	68	eP	P	P	00 43 03.9 +1.7
VNDA	Vanda	74.08	174	P	P	P	00 43 03.2 -0.3
VNDA	comp=Z,124nm,1.0s,baz=322,slow=6.3,SNR=359						
VNDA	comp=Z,3.1nm,1.0s,baz=151,slow=3.1,SNR=1.5					S	00 52 32.2 +3.3
VNDA	comp=Z,1.2nm,0.8s,baz=90,slow=3.0,SNR=3.3					PKKPbc	01 02 37.5 -0.4
VNDA	comp=Z,1.4nm,0.9s,baz=103,slow=12,SNR=4.8					P	01 10 28.7 -7.8
VNDA	comp=Z,63um,19.0s,baz=353,slow=35					LR	01 14 38.7
IUG	Iuzhnay	74.47	316	i/P	P	P	00 43 07.1 +0.6
IUG	comp=Z,332nm,1.4s						
IUG				iS	LR	LR	00 52 40.8 +1.4
IUG							01 17 54.6
KK31	Karatay Array	74.50	317	i/P	P	P	00 43 06.4 -0.2
KK31	comp=Z,273nm,1.1s					max	max
TAS	Tashkent	74.70	315	P	P	P	00 43 07.4 -0.4
TAS	comp=Z,1um,1.1s					max	max
CHM	Chimkent	74.83	316	i/P	P	P	00 43 09.3 +0.8
CHM	comp=Z,358nm,1.2s						
CHM				LR	LR	LR	01 16 41.5
SBA	Scott Base	74.91	173	eP	LR	LR	00 43 09.2 +0.9
SBA	comp=Z,4um,19.3s						
SBA	SNR=52						
SBA	Scott Base	74.91	173	eP	P	P	00 43 09.2 +0.9
NIKH	Nikolski High	74.92	32	eP	P	P	00 43 08.9 +0.2
BRLS	Borolday	74.93	317	i/S	P	P	00 52 45.8 +1.3
OTUK	Ortayu	75.38	323	P	P	P	00 43 12.1 +0.5
OTUK	comp=Z,431nm,1.1s						
PAE	Paea	75.53	107	eP	P	P	00 43 12.6 -0.4
PAE	comp=Z,37nm,0.8s						
PPT2	Papeete2	75.53	107	eP	P	P	00 43 13.2 +0.1
PPT2	comp=Z,372nm,0.9s						
PPT2	Papeete2	75.53	107	ePP	PP	PP	00 45 59.8 -2.9
PPT2	comp=Z,3um,29.2s						
PPT2				eS	S	S	00 52 48.0 -3.9
PPT2	comp=Z,30um,24.5s					SS	00 57 40.6 -2.8
PPT2	comp=Z,25um,26.0s					eLQ	01 03 12.0
PPT2	comp=Z,72um,39.5s					eLR	01 06 21.2
PPT	Papeete	75.53	107	P	P	P	00 43 14.4 +1.4
PPT	comp=Z,197nm,1.0s,baz=237,slow=12,SNR=8.4						
PPT	comp=Z,14um,18.6s,baz=269,slow=35						
PPT	Papeete	75.53	107	P	P	P	00 43 15.1 +2.1
PPT	Papeete	75.53	107	P	P	P	00 43 14.4 +1.4
PPT	comp=Z,197nm,1.0s					max	max
PPT				MLR	MLR	MLR	
PPTF	Pamatai, Papee	75.54	107	eP	P	P	00 43 15.0 +1.9
TBI	Tubuai	75.65	113	eP	P	P	00 43 12.9 -0.7
TBI	comp=Z,456nm,0.8s						
TBI	Tubuai	75.65	113	ePP	PP	PP	00 45 59.4 -4.1
TBI	comp=Z,2um,32.0s						
TBI	comp=Z,27um,24.5s					eSS	00 52 48.8 -4.1
TBI	comp=Z,10um,27.2s					eSS	00 57 40.3 -4.5
TBI	comp=Z,30um,33.5s					eLQ	01 03 13.2

TBI	comp=Z,38um,25.8s	eLR	LR				01 06 23.0
TIAR	Tiarei	75.75	107	eP	P	P	00 43 14.2 -0.1
TVO	Taravao	75.84	107	eP	P	P	00 43 14.7 -0.1
TVO	comp=Z,109nm,1.0s						
BRZS	Berezinski	75.92	324	i/P	P	P	00 43 14.5 -0.1
BRZS	comp=Z,356nm,1.5s						
BRZS				ePP	PP	PP	00 46 04.5 -0.8
BRZS				i/S	S	LR	00 52 55.9 +0.9
BRZS				LR	LR	LR	01 15 28.9
BILL	Bilibino	76.18	12	eP	P	P	00 43 15.2 -0.5
BILL	Bilibino	76.18	12	i/P	P	P	00 43 15.4 -0.3
BILL				i/S	S	PP	00 43 24.0 +2.5
BILL				i/S	S	PnS	00 52 56.1 -1.0
BILL				i/S	S	S	00 53 49.7 +1.2
BILL				SSS	SSS	SSS	01 01 11.0
BILL	comp=Z,73nm,1.2s					max	max
BILL				MLR	MLR	MLR	
TIXI	Tiksi	76.46	358	P	P	P	00 43 16.0 -1.2
TIXI	comp=Z,182nm,0.8s,baz=155,slow=4.9,SNR=180						
TIXI				PKPPKP	P	P	01 10 35.0 +4.7
TIXI	comp=Z,1.1nm,0.3s,baz=115,slow=1.5,SNR=3.7						
TIXI	Tiksi	76.46	358	i/P	P	P	00 43 16.5 -0.7
TIXI	comp=Z,509nm,1.6s					max	max
TIXI				MLR	MLR	MLR	
AKUT	Akutan	77.09	32	eP	P	P	00 43 21.7 +0.7
PMOR	Pomoriey Array	77.20	104	eP	P	P	00 43 22.2 -0.3
PMOR	comp=Z,393nm,1.1s						
RER	Riviere de l'E	77.39	250	eP	P	P	00 43 25.9 +2.3
VAH	Vaihoa	77.45	104	eP	P	P	00 43 23.4 -0.5
VAH	comp=Z,394nm,1.5s						
WAK	Wadi Bani Khal	78.22	294	P	P	P	00 43 29.7 +1.6
WAK	SNR=19						
MAW	Mawson	78.40	202	P	P	P	00 43 29.5 +1.4
MAW	comp=Z,669nm,1.1s,baz=62,slow=6.2,SNR=724						
MAW	comp=Z,3.4nm,0.9s,baz=62,slow=15,SNR=1.5						00 53 19.5 -1.7
MAW	comp=Z,2.3nm,0.6s,baz=192,slow=20,SNR=9.3					PKKPbc	01 02 28.3 +0.1
MAW	comp=Z,3.0nm,0.7s,baz=258,slow=5.3,SNR=9.0					PKPPKP	01 10 29.6 +0.4
MAW	comp=Z,76um,19.6s,baz=72,slow=34					LR	01 15 28.2
MAW	Mawson	78.40	202	eP	P	P	00 43 29.1 +1.0
MAW				S	S	S	00 53 19.5 -1.7
MAW				PKKPbc	PKKPbc	PKKPbc	01 02 28.3 +0.1
MAW				P	P	P	01 10 29.6
BVAO	Borovoye Array	78.50	326	P	P	P	00 43 28.7 -0.3
BVAO	comp=Z,306nm,1.2s						
BVAO	comp=Z,2.6nm,0.8s,baz=270,slow=1.4,SNR=3.8						
BVAR	Borovoye	78.50	326	PKKPbc	PKKPbc	PKKPbc	01 02 25.6 -2.3
BVAR	comp=Z,0.6nm,0.6s,baz=234,slow=38,SNR=4.1						
BRVK	Borovoye	78.58	326	eP	LR	LR	00 43 29.2 -0.2
BRVK	comp=Z,9um,19.0s						
BRVK	Borovoye	78.58	326	P	P	P	00 43 29.6 +0.2
BRVK	SNR=202						
BRVK	Borovoye	78.58	326	i/P	P	P	00 43 29.1 -0.3
BRVK	BRVK			max	max	max	
WSAR	Wadi Sarin	78.64	295	P	P	P	00 43 30.7 +0.3
WSAR	comp=Z,320nm,1.2s,baz=131,slow=5.5,SNR=5.1						
WSAR	comp=Z,2.6nm,0.8s,baz=352,slow=18,SNR=3.5						00 53 24.4 -2.0
WSAR	Wadi Sarin	78.64	295	P	P	P	00 43 31.1 +0.8
WSAR	SNR=71						
WALS	False Pass	78.64	32	S	S	P	00 43 27.4 +2.0
JMDO	Jabal Madar	78.96	294	P	P	P	00 43 35.3 +3.1

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like CLL, FFF, FFF, FFF, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like Y2ZD, Q24A, ANMO, ANMO, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like STRD, BGNE, WPS, WPS, etc.

Q38A	Cooks Store, C	125.16	45	P	PKPdf	00 50 28.0 -0.7
F42A	Maple Grove Fa	125.24	35	P	PKPdf	00 50 28.3 -0.4
L40A	Anamosta	125.33	40	P	PKPdf	00 50 28.4 -0.5
G42A	Mountain	125.37	36	P	PKPdf	00 50 28.6 -0.3
J41A	Loganville	125.43	39	P	PKPdf	00 50 28.5 -0.6
EMHD	Djebel Mahoud	125.44	312	P	PKPdf	00 50 30.9 +1.4
M40A	Post Highland	125.47	41	P	PKPdf	00 50 28.9 -0.3
T38A	Diamond	125.48	47	P	PKPdf	00 50 29.5 +0.1
S38A	Stockton	125.51	46	P	PKPdf	00 50 29.0 -0.4
JFWS	Jewell Farm	125.52	39	ePKPdf	LR	00 50 28.9 -0.4
JFWS	Jewell Farm	125.52	39	ePKIKP	MLR	00 50 28.9 -0.4
JFWS	Jewell Farm	125.52	39	P	PKPdf	00 50 28.7 -0.6
E43A	Lone Tree Farm	125.53	34	P	PKPdf	00 50 29.0 -0.2
K41A	Shullsburg	125.65	39	P	PKPdf	00 50 29.0 -0.6
N40A	Mertquake, Sal	125.67	42	P	PKPdf	00 50 29.3 -0.4
H42A	Shiocton	125.72	37	P	PKPdf	00 50 29.2 -0.4
KVTX	Kingsville	125.73	59	PFAKE	LR	00 50 40.0 +1.0
G43A	Flat Rock, Esc	125.75	35	P	PKPdf	00 50 29.7 +0.1
G43A	Wallace	125.79	35	P	PKPdf	00 50 29.5 -0.2
L41A	Preston	125.79	40	P	PKPdf	00 50 29.2 -0.6
I42A	Draeger Farm,	125.83	37	P	PKPdf	00 50 29.3 -0.6
S39A	Bolivar	125.91	46	P	PKPdf	00 50 30.1 -0.2
J42A	Columbus	126.01	38	P	PKPdf	00 50 29.5 -0.8
F44A	Big Bay de Noc	126.09	34	P	PKPdf	00 50 30.4 +0.1
M41A	Milan	126.12	41	P	PKPdf	00 50 29.9 -0.6
T39A	Clever	126.15	47	P	PKPdf	00 50 30.6 -0.1
K42A	Prairie Point,	126.16	39	P	PKPdf	00 50 29.9 -0.6
H43A	Windswept, Lux	126.19	36	P	PKPdf	00 50 30.1 -0.4
N41A	Harden Midland	126.24	42	P	PKPdf	00 50 30.3 -0.5
I43A	Langenfeld Bro	126.29	37	P	PKPdf	00 50 29.9 -0.8
U39A	Green Forest	126.34	48	P	PKPdf	00 50 30.7 -0.4
L42A	Oliver, Polo	126.36	40	P	PKPdf	00 50 30.4 -0.6
J43A	Natural Harves	126.41	38	P	PKPdf	00 50 30.4 -0.6
V39A	Pettigrew	126.44	48	P	PKPdf	00 50 30.9 -0.4
EBNR	Beni Rached	126.46	312	P	PKPdf	00 50 32.0 +0.6
O41A	Pasleys Farm,	126.51	42	P	PKPdf	00 50 31.0 -0.2
E45A	Wooded Hills,	126.54	33	P	PKPdf	00 50 31.4 +0.3
W39A	Magazine	126.58	49	P	PKPdf	00 50 31.8 +0.2
M42A	Sheffield	126.59	40	P	PKPdf	00 50 30.6 -0.7
P41A	Barry, Barry	126.60	43	P	PKPdf	00 50 31.3 -0.1
X39A	Fountain Ranch	126.60	50	P	PKPdf	00 50 32.1 +0.5
ECHA	Ech Chef	126.64	312	P	PKPdf	00 50 32.7 +1.1
T40A	Mansfield	126.72	46	P	PKPdf	00 50 31.2 -0.6
N42A	Vates City	126.72	41	P	PKPdf	00 50 31.0 -0.6
F45A	CMU Biological	126.77	34	P	PKPdf	00 50 31.3 -0.3
HKT	Hockley	126.79	56	ePKPdf	LR	00 50 33.2 +1.2
U40A	Yellville	126.81	47	P	PKPdf	00 50 31.6 -0.4
Q41A	Truxton	126.82	44	P	PKPdf	00 50 32.0 +0.1
K43A	Burlington	126.83	38	P	PKPdf	00 50 31.4 -0.4
L43A	Garden Prairie	126.85	39	P	PKPdf	00 50 31.1 -0.8
EANR	'Ain N'Sour	126.92	312	P	PKPdf	00 50 33.3 +1.0
MIAR	Mount Ida	127.00	50	ePKPdf	LR	00 50 33.1 +0.8
MIAR	Mount Ida	127.00	50	P	PKPdf	00 50 32.8 +0.4
O42A	Bath	127.01	42	P	PKPdf	00 50 31.0 -1.2
R41A	Rosebud	127.02	45	P	PKPdf	00 50 32.3 0.0
V40A	White Springs	127.06	48	P	PKPdf	00 50 31.9 -0.6
S41A	Jilco Farms,	127.08	46	P	PKPdf	00 50 31.9 -0.6
M43A	Waltham Townsh	127.11	40	P	PKPdf	00 50 31.3 -1.0
W40A	Ferguson Farm,	127.12	49	P	PKPdf	00 50 32.6 0.0
P42A	Winchester	127.13	43	P	PKPdf	00 50 32.4 0.0
F46A	Macinaw City C	127.13	33	P	PKPdf	00 50 32.0 -0.3
NATX	Nacogdoches	127.16	53	PFAKE	LR	00 50 40.0 +7.2
NATX	Nacogdoches	127.16	53	P	PKPdf	00 50 33.4 +0.7
CCM	Cathedral Cave	127.22	45	ePKPdf	LR	00 50 32.6 -0.1
CCM	Cathedral Cave	127.22	45	ePKIKP	MLR	00 50 32.6 -0.1
CCM	Cathedral Cave	127.23	45	P	PKPdf	00 50 32.6 -0.1
N43A	Stutzman Famil	127.23	41	P	PKPdf	00 50 32.2 -0.4
T41A	Mountain View	127.31	46	P	PKPdf	00 50 32.6 -0.3
Q42A	Golden Eagle	127.32	44	P	PKPdf	00 50 32.7 -0.1
HDIL	Hopedale	127.35	41	ePKPdf	LR	00 50 33.0 +0.2
HDIL	Hopedale	127.35	41	P	PKPdf	00 50 32.5 -0.3
L44A	Lake County Fo	127.38	39	P	PKPdf	00 50 32.3 -0.6
SCHG	Schefferville	127.41	15	PKP	comp=Z,3.3nm,1.0s,baz=230,slo=2.5,SNR=16	00 50 32.9 +0.4
Y40A	Oklona	127.43	50	P	PKPdf	00 50 33.4 +0.2
R42A	Luebbering	127.44	44	P	PKPdf	00 50 33.0 -0.1
O43A	Sugar Creek Fa	127.47	41	P	PKPdf	00 50 32.5 -0.6
U41A	Viola	127.50	47	P	PKPdf	00 50 32.3 -1.0
V41A	Mountainview	127.56	48	P	PKPdf	00 50 32.7 -0.7
X40A	Basin Creek Fa	127.58	50	P	PKPdf	00 50 33.1 -0.4
J45A	Montague	127.60	37	P	PKPdf	00 50 32.8 -0.4
Z40A	Long Farm, Mag	127.62	51	P	PKPdf	00 50 34.0 +0.4
P43A	Skaggs, Pawnee	127.65	42	P	PKPdf	00 50 33.6 +0.1
S42A	Caledonia	127.67	45	P	PKPdf	00 50 33.0 -0.6
140A	Cam and Jess,	127.71	52	P	PKPdf	00 50 34.8 +1.0
M44A	Midewin, Midew	127.72	40	P	PKPdf	00 50 32.6 -0.9

baz=302	CART Cartagena	127.73	315	PKP	PKPdf	00 50 32.4 -1.3
	CART Cartagena	127.73	315	i PP	PP	00 52 37.9 +2.8
	W41B Gary Matvey, V	127.75	49	P	PKPdf	00 50 33.0 -0.7
	240A Hunter Patvers	127.78	53	P	PKPdf	00 50 34.9 +1.0
	GLMI Grayling	127.79	34	ePKPdf	LR	00 50 33.8 +0.2
	GLMI Grayling	127.79	34	P	PKPdf	00 50 33.8 +0.2
	T42A Van Buren	127.80	46	P	PKPdf	00 50 33.3 -0.5
	X41A Kaden, Bauxite	127.82	49	P	PKPdf	00 50 34.1 +0.1
	Q43A New Douglas	127.88	43	P	PKPdf	00 50 33.4 -0.5
	UCM Universidad Co	127.93	319	PKP	PKPdf	00 50 35.3 +1.3
	UCM Universidad Co	127.93	319	i PP	PP	00 52 40.9 +4.6
	N44A Piper City	127.98	40	P	PKPdf	00 50 33.9 -0.1
	Y41A Egglett Beard	127.99	50	P	PKPdf	00 50 34.6 +0.3
	U42A Revenden	127.99	47	P	PKPdf	00 50 33.7 -0.5
	R43A Red Bud	128.04	44	P	PKPdf	00 50 33.7 -0.5
	Z41A Richland Creek	128.08	51	P	PKPdf	00 50 34.6 +0.1
	J46A Howard City	128.09	36	P	PKPdf	00 50 33.7 -0.5
	O44A Mansfield	128.09	41	P	PKPdf	00 50 34.2 -0.1
	V42A Cord	128.12	47	P	PKPdf	00 50 33.5 -1.0
	M45A Bollemakers S	128.22	39	P	PKPdf	00 50 34.6 +0.1
	W42A Bald Knob	128.25	48	P	PKPdf	00 50 34.4 -0.3
	141A Papa Simpson,	128.25	52	P	PKPdf	00 50 35.5 +0.7
	S43A Fulton Ridge,	128.27	45	P	PKPdf	00 50 34.3 -0.4
	P44A Sand Creek, Wi	128.34	42	P	PKPdf	00 50 34.4 -0.4
	T43A Greenville	128.35	45	P	PKPdf	00 50 34.1 -0.8
	N45A Kentland	128.35	40	P	PKPdf	00 50 34.8 0.0
	Q44A Miley Farm, Va	128.36	43	P	PKPdf	00 50 34.4 -0.4
	K46A Dorr	128.39	37	P	PKPdf	00 50 34.3 -0.5
	241A Mo Tay, Goldon	128.45	52	P	PKPdf	00 50 36.1 +0.9
	X42A Stuttgart	128.47	49	P	PKPdf	00 50 35.2 +0.1
	L46A Eue Claire	128.47	38	P	PKPdf	00 50 34.8 -0.2
	341A Kurthwood	128.50	53	P	PKPdf	00 50 36.0 +0.6
	O45A Potomac	128.53	41	P	PKPdf	00 50 34.5 -0.6
	U43A Rector	128.59	46	P	PKPdf	00 50 34.7 -0.7
	Y42A Garnett, Star	128.64	50	P	PKPdf	00 50 35.5 0.0
	R44A Wainville	128.64	44	P	PKPdf	00 50 35.1 -0.3
	J47A Summer	128.64	36	P	PKPdf	00 50 34.8 -0.4
	441A Delider	128.69	54	P	PKPdf	00 50 36.2 +0.6
	ESDC Sonseca Array	128.73	319	PKP	PKPdf	00 50 35.5 -0.1
	ESDC	comp=Z,14nm,1.0s,baz=53,slo=6.4,SNR=8.7		PP	PP	00 52 42.1 +0.5
	ESDC	comp=Z,3.3nm,1.0s,baz=246,slo=5.4,SNR=4.0		SKKbpc	SKKbpc	01 03 48.8 +3.5
	Z42A Norrel Spur, H	128.74	51	P	PKPdf	00 50 35.9 +0.2
	V43A Jonesboro	128.74	47	P	PKPdf	00 50 35.3 -0.3
	M46A Old House Fiel	128.77	39	P	PKPdf	00 50 35.1 -0.5
	S44A Candendale	128.79	44	P	PKPdf	00 50 35.2 -0.5
	N46A Monticello	128.82	39	P	PKPdf	00 50 35.1 -0.5
	T44A Benon	128.84	45	P	PKPdf	00 50 35.3 -0.5
	SVIN Lafayette	128.87	40	P	PKPdf	00 50 35.2 -0.5
	K47A Vermontville	128.87	37	P	PKPdf	00 50 35.2 -0.5
	P45A Graceland, Par	128.89	42	P	PKPdf	00 50 36.0 +0.1
	541A Lake Charles	128.93	55	P	PKPdf	00 50 37.1 +0.9
	W43A Forest City	128.93	48	P	PKPdf	00 50 35.6 -0.4
	Q45A Warren Harvey,	128.94	42	P	PKPdf	00 50 36.0 0.0
	142A Motocoe	129.02	51	P	PKPdf	00 50 36.3 +0.1
	U44A Portageville	129.04	46	P	PKPdf	00 50 35.6 -0.6
	X43A Marwell	129.04	49	P	PKPdf	00 50 35.9 -0.3
	242A Grayson	129.04	52	P	PKPdf	00 50 36.7 +0.4
	PAB San Pablo	129.05	319	ePKPdf	LR	00 50 36.9 +0.7
	PAB San Pablo	129.05	319	ePKIKP	MLR	00 50 36.9 +0.7
	L47A Sherwood	129.16	38	P	PKPdf	00 50 35.6 -0.6
	342A Flagon Creek P	129.16	53	P	PKPdf	00 50 37.4 +0.9
	R45A Skyfar, Fairir	129.16	43	P	PKPdf	00 50 36.3 -0.1
	V44A Blytheville	129.20	47	P	PKPdf	00 50 36.2 -0.3
	M47A Rosedale	129.20	41	P	PKPdf	00 50 36.1 -0.3
	P46A Cromwell	129.25	38	P	PKPdf	00 50 36.0 -0.5
	Y43A Makayla and Ka	129.26	49	P	PKPdf	00 50 36.8 +0.2
	S45A Carrier Mills	129.26	44	P	PKPdf	00 50 36.5 -0.1
	PLCA Paso Flores	129.29	156	PKP	PKPdf	00 50 37.5 +0.8
	PLCA	comp=Z,33nm,1.1s,baz=233,slo=3.6,SNR=27		PKP	PKPdf	01 00 42.6 -0

12d 0h

Table with columns: Call ID, Name, Time, Status, and other details. Includes entries like U48A Cassie Pea, Po, 131.26 44 P, PKPpdf, 00 50 39.9 -0.5.

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Table with columns: Call ID, Name, Time, Status, and other details. Includes entries like Q52A Bidwell, 132.74 39 P, PKPpdf, 00 50 42.7 -0.4.

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Table with columns: Call ID, Name, Time, Status, and other details. Includes entries like PAYG Puerto Ayora, 135.34 96 ePKPpdf, PKPpdf, 00 50 50.7 +2.0.

Table with columns: Station Name, Frequency, Bandwidth, SNR, and other technical details. Includes stations like LUWI, SGSI, MMRI, etc.

Table with columns: Station Name, Frequency, Bandwidth, SNR, and other technical details. Includes stations like BJT, USRK, CN2, etc.

Table with columns: Station Name, Frequency, Bandwidth, SNR, and other technical details. Includes stations like SWI, WAMI, AAI, etc.

Technical notes and coordinates for specific stations, including BJT 1201:34:43.2,5:29S;134:22E, h10km, mb5.0/46, mB5.6/15, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MJAR Matushiro Arr, CMAR Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like GSPA South Pole Qui, IM3 Indian Mountai, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PAYG Puerto Ayora, JTS JuntasAbangare, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other parameters. Includes stations like AKASG, AKBB, NC303, KIEV, AK11, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other parameters. Includes stations like REDW, DAC, DAC, DAC, LVC, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other parameters. Includes stations like MLR, NIE, SZCU, MSU, GMRC, etc.

12d 4h

Table with columns for call sign, frequency, power, and other technical details. Includes stations like PV17, PV16, MODS, etc.

2012 OCT

Table with columns for call sign, frequency, power, and other technical details. Includes stations like TUC, BLY, CRES, etc.

522

Table with columns for call sign, frequency, power, and other technical details. Includes stations like SCIA, K39A, K40A, etc.

Table with columns: Call Sign, Station Name, Frequency, Class, Mode, Power, and other technical details. Includes stations like Sand Creek, Pettigrew, Caledonia, etc.

Table with columns: Call Sign, Station Name, Frequency, Class, Mode, Power, and other technical details. Includes stations like Mount Denham, Grand Turk, Lusaka, etc.

Table with columns: Call Sign, Station Name, Frequency, Class, Mode, Power, and other technical details. Includes stations like Volcan, Buenos Aires, Bahia Malaga, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DRME, TIR, PRZK, ZATK, PEJK, BUM, BEY, IVA, CEME, KOME, NKME, OHR, NKY, HCY, KRUS, SMRK, SJES, SJES, TREB, BRY, BIA, PLE, UPM, UPM, SELS, IVAS, BARS, BARS, STIP, STON, STON, BBLs, GRUS, DRUS, DIVS, BOVS, HAPS, HAPS, NVLJ.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GBRs, KNDS, BOVS, BOVS, CEVY, CEVY, SKDS, VISS, NVLJ, OZLJ, JAVS, UDBI.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ANA2, MJAR, MJAR, MAJO.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MJB9, H11N1, H11N2, H11N3, KSRS, KSRS, KSAR, WB2, WR1, WRA, FITZ, ASAR, DZM, CHGN, ZALV, MK01, MK31, MK32, MKAR, MKAF, XMAS, KK31, KKAR, YKA, NVAR, FIAO, FINES, PLCA, PLCA, LCO, TRQA.

IDC 12 06:14:29.1±4.2, 30.275x178.15W, h0km, mb4.0/2, mb1 4.3/2, mb1mx3.7/29, mbtmp4.0/2, Error ellipse: s-maj=218.2km s-min=65.6km az=166.0, Kermadec Islands

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

IDC 12 06:14:25.6±1.6, 0.06S:127.46E, h0km, mb3.8/4, mb1 4.0/5, mb1mx3.7/40, mbtmp3.9/5, ML3.6/1, Error ellipse: s-maj=100.8km s-min=21.8km az=68.0, ISCJB 12 06:14:29.6±0.4, 0.40S:0.04x126.73E:0.04, h33km, DJA 12 06:14:29.7±0.8, 0.41N:127.7E, h18km, 20km, M4.3/7, mb4.7/1, mb4.7/6, MVLV.1/7, Mw(Mw)3.9/1, NEIC 12 06:14:35.0±1.3, 0.26S:127.15E, h71km, mb4.0/10, Error ellipse: s-maj=25.5km s-min=8.0km az=72.0, ISC 12 06:14:32.4±0.7, 0.43S:0.06x126.89E:0.06, h35km, n34, c1571/35, mb4.2/9, Southern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LBM1, LBM1, TNTI, TNTI, SANI, KMSI, AAI, APSI, FAKI, MPISI, TTSI, SPSI, BKSJ, WSI, FITZ, FITZ, WRA, WRA, WB2, AS31, ASAR, ASO1, FORT, STKA, STKA, MK01, MK31, MK31, MKAR, MKAR, MKAR, MAK2, KURK, HPAH, QSPA, W4QA.

JMA 12 06:46:42.7±0.2, 37.34N:142.00E, h36km, 3km, M3.5, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JFK, ONAJ, ONAJ, JMM, JFFD, JFFD, JIO, JIO, JFT, JFT, JOU, JOU, JMK, JMK, JYS, JYS, JFY, JFY, JYK, JYK.

JMA 12 06:45:53.0±1.1, 35.85N:140.54E, h36km, 1km, M3.1, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JIHU, JIHU, CHOU, CHOU, JYT, JYT, JHO, JHO, JHO, MAT, MAT, TAP, NACB, NACB, NACB, NACB, UZB, UZB, UZB, UZB.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ENA, NNSB, NNSB, NNSH, NNSH, NNS, NNS, TWB, WHF, WHF, ENT, ENT, ENT, ENT, TWT, TWT, TWT, TDCB, TDCB, TWC, TWC, YHNB, YHNB, YHNB, TWE, TWE, CHGB, CHGB, CHGB, NWL, NWL, EOS1, EOS1, EOS1, LIOB, LIOB, LIOB, NNTT, NNTT, TIPB, TIPB, SSSL, SSSL, SSSL, TYC, TYC, EHY, EHY, YULB, YULB, YULB, TWFI, TWFI, CHN5, CHN5, CHN4, CHN4.

JMA 12 07:18:46.5±0.3, 43.15N:78.21E, h0km, mb3.4, mpv3.1, Error ellipse: s-maj=7.3km s-min=1.3km az=173.0, ISCJB 12 07:18:47.8±0.4, 43.10N:0.02x78.23E:0.02, h13km, 2km, SMC 12 07:18:47.3±0.3, 43.03N:78.22E, h20km, KRNET 12 07:18:47.3±0.1, 43.07N:78.20E, h23km, mb3.7, ISC 12 07:18:47.8±0.8, 43.12N:0.02x78.21E:0.02, h16km, 6km, n70, c1827/123, 32C-24D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SATY, SATY, ZHN, ZHN, ZHN, ZHN, ZHN, KURS, KURS, KURS, KURS, KURS, KPKS, KPKS, KPKS, KPKS.

JMA 12 07:18:47.3±0.3, 43.03N:78.22E, h20km, KRNET 12 07:18:47.3±0.1, 43.07N:78.20E, h23km, mb3.7, ISC 12 07:18:47.8±0.8, 43.12N:0.02x78.21E:0.02, h16km, 6km, n70, c1827/123, 32C-24D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SATY, SATY, ZHN, ZHN, ZHN, ZHN, ZHN, KURS, KURS, KURS, KURS, KURS, KPKS, KPKS, KPKS, KPKS.

JMA 12 07:18:46.5±0.3, 43.15N:78.21E, h0km, mb3.4, mpv3.1, Error ellipse: s-maj=7.3km s-min=1.3km az=173.0, ISCJB 12 07:18:47.8±0.4, 43.10N:0.02x78.23E:0.02, h13km, 2km, SMC 12 07:18:47.3±0.3, 43.03N:78.22E, h20km, KRNET 12 07:18:47.3±0.1, 43.07N:78.20E, h23km, mb3.7, ISC 12 07:18:47.8±0.8, 43.12N:0.02x78.21E:0.02, h16km, 6km, n70, c1827/123, 32C-24D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SATY, SATY, ZHN, ZHN, ZHN, ZHN, ZHN, KURS, KURS, KURS, KURS, KURS, KPKS, KPKS, KPKS, KPKS.

JMA 12 07:18:46.5±0.3, 43.15N:78.21E, h0km, mb3.4, mpv3.1, Error ellipse: s-maj=7.3km s-min=1.3km az=173.0, ISCJB 12 07:18:47.8±0.4, 43.10N:0.02x78.23E:0.02, h13km, 2km, SMC 12 07:18:47.3±0.3, 43.03N:78.22E, h20km, KRNET 12 07:18:47.3±0.1, 43.07N:78.20E, h23km, mb3.7, ISC 12 07:18:47.8±0.8, 43.12N:0.02x78.21E:0.02, h16km, 6km, n70, c1827/123, 32C-24D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SATY, SATY, ZHN, ZHN, ZHN, ZHN, ZHN, KURS, KURS, KURS, KURS, KURS, KPKS, KPKS, KPKS, KPKS.

JMA 12 07:18:46.5±0.3, 43.15N:78.21E, h0km, mb3.4, mpv3.1, Error ellipse: s-maj=7.3km s-min=1.3km az=173.0, ISCJB 12 07:18:47.8±0.4, 43.10N:0.02x78.23E:0.02, h13km, 2km, SMC 12 07:18:47.3±0.3, 43.03N:78.22E, h20km, KRNET 12 07:18:47.3±0.1, 43.07N:78.20E, h23km, mb3.7, ISC 12 07:18:47.8±0.8, 43.12N:0.02x78.21E:0.02, h16km, 6km, n70, c1827/123, 32C-24D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SATY, SATY, ZHN, ZHN, ZHN, ZHN, ZHN, KURS, KURS, KURS, KURS, KURS, KPKS, KPKS, KPKS, KPKS.

JMA 12 07:18:46.5±0.3, 43.15N:78.21E, h0km, mb3.4, mpv3.1, Error ellipse: s-maj=7.3km s-min=1.3km az=173.0, ISCJB 12 07:18:47.8±0.4, 43.10N:0.02x78.23E:0.02, h13km, 2km, SMC 12 07:18:47.3±0.3, 43.03N:78.22E, h20km, KRNET 12 07:18:47.3±0.1, 43.07N:78.20E, h23km, mb3.7, ISC 12 07:18:47.8±0.8, 43.12N:0.02x78.21E:0.02, h16km, 6km, n70, c1827/123, 32C-24D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SATY, SATY, ZHN, ZHN, ZHN, ZHN, ZHN, KURS, KURS, KURS, KURS, KURS, KPKS, KPKS, KPKS, KPKS.

JMA 12 07:18:46.5±0.3, 43.15N:78.21E, h0km, mb3.4, mpv3.1, Error ellipse: s-maj=7.3km s-min=1.3km az=173.0, ISCJB 12 07:18:47.8±0.4, 43.10N:0.02x78.23E:0.02, h13km, 2km, SMC 12 07:18:47.3±0.3, 43.03N:78.22E, h20km, KRNET 12 07:18:47.3±0.1, 43.07N:78.20E, h23km, mb3.7, ISC 12 07:18:47.8±0.8, 43.12N:0.02x78.21E:0.02, h16km, 6km, n70, c1827/123, 32C-24D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SATY, SATY, ZHN, ZHN, ZHN, ZHN, ZHN, KURS, KURS, KURS, KURS, KURS, KPKS, KPKS, KPKS, KPKS.

JMA 12 07:18:46.5±0.3, 43.15N:78.21E, h0km, mb3.4, mpv3.1, Error ellipse: s-maj=7.3km s-min=1.3km az=173.0, ISCJB 12 07:18:47.8±0.4, 43.10N:0.02x78.23E:0.02, h13km, 2km, SMC 12 07:18:47.3±0.3, 43.03N:78.22E, h20km, KRNET 12 07:18:47.3±0.1, 43.07N:78.20E, h23km, mb3.7, ISC 12 07:18:47.8±0.8, 43.12N:0.02x78.21E:0.02, h16km, 6km, n70, c1827/123, 32C-24D, Lake Issyk-Kul region

Table with columns: PRZ, Przheval'sk, 0.65 167, P, Pg, 07 18 59.7, -0.9, etc. Lists various stations and their coordinates.

Table with columns: AAK, Ala-Archa, 2.77 261, P, Pb, 07 19 36.4, -0.6, etc. Lists various stations and their coordinates.

Table with columns: MNSI, Mandailing Nat, 2.53 91, P, Pn, 07 59 32.7, -0.2, etc. Lists various stations and their coordinates.

Table with columns: Call Sign, Location, Frequency, Power, Mode, and other technical details. Includes stations like TOSP Fort Charlotte, FCV Belmont, and various other regional stations.

Table with columns: Call Sign, Location, Frequency, Power, Mode, and other technical details. Includes stations like ESTN Estel, 959A Okeechobee, 958A Arcadia, and various other regional stations.

Table with columns: Call Sign, Location, Frequency, Power, Mode, and other technical details. Includes stations like V52A Sevierville, V52A Sevierville, LRAL Lakeview Retre, and various other regional stations.

548A	Wiedeman Farm, baz=136	34.12 326	P	P	12 23 05.4 +1.4
M54A	Oil Creek Stat baz=150	34.21 337	P	P	12 23 06.9 +2.1
T47A	Sharon Grove 20nm,0.6s	34.23 324	eP	P	12 23 07.3 +2.3
T47A	Sharon Grove baz=134,SNR=6.2	34.23 324	P	P	12 23 07.1 +2.1
342A	Flagon Creek P 75nm,1.0s	34.27 312	eP	P	12 23 08.6 +3.2
342A	Flagon Creek P baz=121	34.27 312	P	P	12 23 06.4 +1.0
O51A	Pataskala baz=144	34.30 333	P	P	12 23 07.4 +1.8
P50A	Jamestown baz=142	34.42 331	P	P	12 23 08.6 +2.0
U46A	Springville baz=133	34.44 322	P	P	12 23 08.9 +2.2
X44A	Crenshaw baz=127	34.49 318	P	P	12 23 08.6 +1.4
242A	Grayson baz=122	34.50 313	P	P	12 23 07.9 +0.5
S47A	Hartford baz=135,SNR=7.4	34.53 325	P	P	12 23 09.5 +2.0
ACSO	Alum Creek Sta 26nm,1.1s	34.54 332	eP	P	12 23 10.6 +3.0
ACSO	Alum Creek Sta baz=143	34.54 332	eP	P	12 23 16.0 +1.0 12 23 09.4 +1.8
R48A	Northridge Ran baz=137	34.56 327	P	P	12 23 09.7 +1.9
142A	Monroe baz=123	34.61 314	P	P	12 23 09.0 +0.7
MMNY	Mt. Morris Dam 26nm,1.2s	34.66 340	eP	P	12 23 08.9 +0.3
WCI	Wyandotte Cave 18nm,0.8s	34.66 327	eP	P	12 23 11.4 +2.7
WCI	Wyandotte Cave baz=137	34.66 327	P	P	12 23 10.8 +2.1
T46A	Princeton baz=133	34.73 324	P	P	12 23 11.3 +2.0
050A	Cable baz=142	34.76 332	P	P	12 23 11.2 +1.6
U45A	Rockin P Farm, baz=131	34.78 322	P	P	12 23 10.3 +0.6
P49A	Miami Univ. Ec baz=140	34.82 330	P	P	12 23 12.0 +2.0
N51A	Ashland baz=145	34.82 334	P	P	12 23 12.1 +2.0
R47A	Wooly Knot Far baz=136	34.84 326	P	P	12 23 11.4 +1.2
341A	Kurthwood baz=120	34.87 311	P	P	12 23 11.9 +1.3
Q48A	North Vernon baz=138	34.88 328	P	P	12 23 11.3 +0.7
241A	Mo Tay, Goldon baz=121	35.03 312	P	P	12 23 13.7 +1.7
PKME	Peaks-Kenny Pk baz=169	35.04 332	P	P	12 23 13.4 +1.6
O49A	Covington baz=141	35.13 351	P	P	12 23 14.2 +1.5
Y42A	Garnett, Star baz=124	35.21 316	P	P	12 23 14.9 +1.5
CCAR	Cane Creek 37nm,0.9s	35.24 316	eP	P	12 23 14.2 +0.4
TLIG	Tiapa 19nm,0.9s	35.29 285	eP	P	12 23 12.5 -2.0
R46A	Gibon Southern baz=135	35.32 325	P	P	12 23 15.0 +0.7
141A	Papa Simpson, baz=122	35.33 313	P	P	12 23 15.0 +0.5
S45A	Carrier Mills baz=133	35.56 324	P	P	12 23 16.9 +0.4
MOQ	Mont Orford 35.58 349	eP	P	12 23 16.3 -0.3	
N49A	Columbus Grove baz=142	35.64 332	P	P	12 23 20.0 +2.9
Y41A	Eaglette Beard baz=124	35.80 315	P	P	12 23 20.7 +2.1
R45A	Skylar, Fairri baz=134	35.81 325	P	P	12 23 20.3 +1.7
SIUC	Southern Illin 35nm,0.8s	35.96 323	eP	P	12 23 21.8 +1.9
S44A	Carbondale baz=132	35.97 323	P	P	12 23 21.4 +1.5
N48A	Decatur baz=141	35.99 331	P	P	12 23 22.1 +2.0
OLIL	Olney 33nm,0.7s	36.01 325	eP	P	12 23 22.8 +2.5
Z40A	Long Farm, Mag baz=122	36.02 314	P	P	12 23 21.0 +0.5
PBMO	Poplar Bluff 14nm,0.8s	36.08 321	eP	P	12 23 22.2 +1.2
V42A	Cord baz=127,SNR=8.0	36.09 319	P	P	12 23 22.6 +1.5
UALR	University of 11nm,0.6s	36.12 317	eP	P	12 23 23.9 +2.7
P46A	Rosedale baz=137	36.16 327	P	P	12 23 23.8 +2.2
Q45A	Warren Harvey, baz=135	36.16 326	P	P	12 23 23.8 +2.2
T43A	Greenville baz=130	36.19 321	P	P	12 23 23.3 +1.4
NATX	Nacogdoches 52nm,0.8s	36.19 311	eP	P	12 23 24.0 +2.1
NATX	Nacogdoches baz=119	36.19 311	P	P	12 23 24.1 +2.1
R44A	Watsonville baz=133,SNR=9.0	36.24 324	P	P	12 23 24.0 +1.8
HKT	Hockley 26nm,1.1s	36.27 307	P	P	12 23 23.8 +1.2
W41B	Gary Mavity, V 15nm,0.8s	36.28 317	eP	P	12 23 23.9 +1.2
W41B	Gary Mavity, V baz=126,SNR=7.2	36.28 317	P	P	12 23 24.0 +1.2
X40A	Basin Creek Fa 9.9nm,0.8s	36.29 316	eP	P	12 23 24.5 +1.7
X40A	Basin Creek Fa baz=124	36.29 316	P	P	12 23 24.2 +1.4
U42A	Revendon baz=128,SNR=5.8	36.33 320	P	P	12 23 24.6 +1.6
N47A	Urbana baz=140	36.33 330	P	P	12 23 24.9 +2.0
Y40A	Okolona baz=123	36.34 315	P	P	12 23 22.7 -0.5
S43A	Fulton Ridge, baz=131	36.38 322	P	P	12 23 24.9 +1.4
P45A	Graceland, Par 31nm,0.7s	36.38 327	eP	P	12 23 24.9 +1.5
P45A	Graceland, Par baz=136,SNR=5.1	36.38 327	P	P	12 23 25.0 +1.5
L48A	N Adams baz=143	36.56 333	P	P	12 23 27.2 +2.2
V41A	Mountainview baz=126,SNR=9.5	36.58 318	P	P	12 23 26.4 +1.2
Q44A	Meyer Farm, Va baz=134	36.65 325	P	P	12 23 26.9 +1.1
T42A	Van Buren 6.6nm,0.6s	36.65 321	eP	P	12 23 26.0 +0.2
T42A	Van Buren baz=129	36.65 321	P	P	12 23 26.9 +1.0
SFIN	Lafayette baz=138	36.66 328	P	P	12 23 26.8 +1.1
M47A	Cromwell baz=140	36.66 331	P	P	12 23 26.6 +0.7
R43A	Red Bud baz=132	36.75 323	P	P	12 23 27.1 +0.4
U41A	Viola baz=127	36.76 319	P	P	12 23 28.6 +1.8
P44A	Sand Creek, Wi baz=135	36.82 326	P	P	12 23 28.7 +1.5
MIAR	Mount Ida 12nm,1.1s	36.83 315	eP	P	12 23 31.3 +3.9
MIAR	Mount Ida baz=123	36.83 315	P	P	12 23 28.1 +0.7
W40A	Ferguson Farm, 42nm,0.6s	36.85 317	eP	P	12 23 33.1 +5.7
W40A	Ferguson Farm, baz=124,SNR=6.1	36.85 317	P	P	12 23 29.0 +1.5
FVM	French Village 10nm,0.6s	36.85 322	eP	P	12 23 29.1 +1.6
N46A	Monticello baz=138	36.85 329	P	P	12 23 27.3 -0.1
SADO	Sadowa 19nm,1.1s	36.88 341	eP	P	12 23 30.0 +2.4
TRQ	Mont Tremblant 12 23 30.0 -2.2	36.93 346	eP	P	12 23 26.0 -2.2
S42A	Caledonia baz=130,SNR=7.3	36.94 322	P	P	12 23 29.2 +0.9
V40A	Witts Springs 22nm,0.7s	37.03 318	eP	P	12 23 30.4 +1.3

V40A	Witts Springs 22nm,0.7s	37.03 318	P	P	12 23 30.4 +1.3
CPUP	Villa Florida baz=126,SNR=9.7	37.04 172	eP	P	12 23 28.6 -0.5
Q43A	New Douglas baz=133	37.06 324	P	P	12 23 30.9 +1.6
T41A	Mountain View baz=128,SNR=9.3	37.08 320	P	P	12 23 30.9 +1.3
K48A	Perry baz=144	37.11 334	P	P	12 23 31.1 +1.5
SPB	Sao Paulo 23nm,1.1s	37.13 156	eP	P	12 23 31.4 +1.5
X39A	Fontain Ranch baz=122	37.19 315	P	P	12 23 32.0 +1.5
N45A	Kentland baz=137	37.22 328	P	P	12 23 31.8 +1.2
O44A	Mansfield baz=135	37.22 327	P	P	12 23 31.7 +1.2
R42A	Luebbering baz=131,SNR=7.5	37.27 322	P	P	12 23 32.5 +1.4
W39A	Magazine baz=135	37.33 316	eP	P	12 23 30.7 -0.9
W39A	Magazine baz=124,SNR=6.7	37.33 316	P	P	12 23 33.2 +1.5
U40A	Yellville baz=126	37.37 318	P	P	12 23 33.1 +1.1
K47A	Vermontville baz=142	37.39 333	P	P	12 23 33.2 +1.1
CCM	Cathedral Cave 9.3nm,0.6s	37.40 322	eP	P	12 23 33.4 +1.2
CCM	Cathedral Cave baz=130	37.40 322	P	P	12 23 33.2 +1.0
S41A	Jillo Farms, baz=129,SNR=26	37.41 321	P	P	12 23 33.4 +1.1
P43A	Skaggs, Pawnee baz=134,SNR=8.2	37.44 325	P	P	12 23 33.6 +1.2
Q42A	Golden Eagle baz=132	37.53 323	P	P	12 23 33.6 +0.4
LNIG	Linares 17nm,0.7s	37.54 297	eP	P	12 23 34.5 +1.0
V39A	Pettigrew baz=124,SNR=12	37.60 317	P	P	12 23 35.3 +1.4
R41A	Rosebud baz=130	37.63 322	P	P	12 23 35.2 +1.0
O43A	Sugar Creek Fa baz=134	37.77 326	P	P	12 23 36.4 +1.1
U39A	Green Forest baz=125,SNR=5.7	37.80 318	P	P	12 23 37.1 +1.5
P42A	Winchester 35nm,0.7s	37.87 324	eP	P	12 23 37.4 +1.2
HDIL	Hopedale 30nm,0.8s	37.95 327	eP	P	12 23 37.1 +0.3
Q41A	Truxton baz=131	37.97 323	P	P	12 23 38.2 +1.2
435B	Jarrell 52nm,0.8s	37.99 307	eP	P	12 23 39.2 +1.9
435B	Jarrell baz=115	37.99 307	P	P	12 23 37.2 -0.1
HHAR	Hobbs 17nm,0.7s	38.05 317	eP	P	12 23 43.4 +5.8
T39A	Clever baz=126,SNR=5.3	38.10 319	P	P	12 23 39.4 +1.2
O42A	Bath baz=133	38.13 325	P	P	12 23 39.4 +1.1
P41A	Barry Barry baz=132,SNR=6.5	38.34 324	P	P	12 23 41.4 +1.3
L44A	Lake County Fo baz=138	38.40 330	P	P	12 23 41.9 +1.4
WHTX	Lake Whitney, 42nm,0.7s	38.41 309	eP	P	12 23 42.3 +1.5
WHTX	Lake Whitney, baz=116,SNR=8.0	38.41 309	P	P	12 23 41.8 +1.0
S39A	Bolivar 26nm,0.6s	38.46 320	eP	P	12 23 42.2 +1.0
S39A	Bolivar baz=127,SNR=30	38.46 320	P	P	12 23 42.1 +0.9
833A	Chaparral WMA, 74nm,0.8s	38.53 303	eP	P	12 23 43.5 +1.6
833A	Chaparral WMA, baz=110,SNR=8.2	38.53 303	P	P	12 23 42.1 +0.3
O41A	Passleys Farm, baz=132,SNR=6.3	38.53 325	P	P	12 23 42.5 +0.9
N42A	Yates City baz=134	38.54 326	P	P	12 23 43.1 +1.3
T38A	Diamond baz=125,SNR=6.9	38.71 318	P	P	12 23 44.0 +0.8
S38A	Stokely baz=126,SNR=5.4	38.80 319	P	P	12 23 44.9 +0.8
L43A	Garden Prairie baz=137	38.82 329	P	P	12 23 45.3 +1.2
N41A	Harden Midland 39.13 325	P	P	12 23 45.3 +0.4	
TUL1	Leonard 25nm,0.8s	39.10 316	eP	P	12 23 47.8 +1.3
TUL1	Leonard baz=122,SNR=5.6	39.10 316	P	P	12 23 47.1 +0.6
L42A	Oliver, Polo 17nm,0.7s	39.17 328	eP	P	12 23 48.0 +1.0
L42A	Oliver, Polo baz=136	39.17 328	P	P	12 23 47.7 +0.6
M41A	Millican baz=134	39.20 326	P	P	12 23 48.4 +1.1
VCA	Vinchina 39.39 187	eP	P	12 23 53.1 +4.0	
Q38A	Cooks Store, C 39.41 321	P	P	12 23 50.1 +1.0	
N40A	Mertquake, Sal baz=132,SNR=5.5	39.46 325	P	P	12 23 50.1 +0.9
K42A	Prairie Point, baz=136	39.56 329	P	P	12 23 51.5 +1.2
JCT	Junction City 37nm,0.8s	39.63 306	eP	P	12 23 52.2 +1.1
JCT	Junction City, baz=112,SNR=8.6	39.63 306	P	P	12 23 51.9 +0.8
L41A	Preston baz=134	39.66 327	P	P	12 23 51.5 +0.5
M40A	Post Highland baz=133	39.75 326	P	P	12 23 52.8 +0.9
ZAIG	Zacatecas 16nm,0.7s	39.81 293	eP	P	12 23 55.2 +2.2
J42A	Columbus baz=137	39.84 330	P	P	12 23 54.5 +1.9
ACLC	CERRO LA CRUZ 39.93 186	eP	P	12 23 56.0 +2.4	
K41A	Shullsburg 39.93 328	P	P	12 23 54.9 +1.5	
N39A	Derby Farms, D 32nm,0.8s	39.96 324	eP	P	12 23 55.6 +2.0
N39A	Derby Farms, D baz=131,SNR=9.3	39.96 324	P	P	12 23 54.9 +1.3
F45A	CMU Biological baz=144	40.03 335	P	P	12 23 56.6 +0.5
L40A	Anamosa 27nm,0.8s	40.04 327	eP	P	12 23 55.0 +0.7
L40A	Anamosa baz=134	40.04 327	P	P	12 23 54.9 +0.6
LCO	Las Campanas 23nm,0.9s	40.04 191			

Table with columns: Station ID, Name, Frequency, Power, and other parameters. Includes stations like TUC Tucson, PV01 Paradox Valley, and many others.

Table with columns: Station ID, Name, Frequency, Power, and other parameters. Includes stations like YMR Madison River, BGU Big Grassy Mtn, and many others.

Table with columns: Station ID, Name, Frequency, Power, and other parameters. Includes stations like K04D Chiloquin, OR, O02D Mt. Diablo Mer, and many others.

ASAR	Alice Springs	19.32 132	P	Pn	19 23 40.6 +0.5
		0.1nm,0.3s,baz=305,slow=9.8,SNR=16			
ASAR		6.18 334	S	S	19 27 01.9 -15
		0.4nm,0.3s,baz=302,slow=2,SNR=11			
MKAR	Mitakanchi Array	19.30 02.5	P	P	19 30 02.5 +0.7
		0.2nm,0.5s,baz=154,slow=6.4,SNR=3.6			

JMA 12 19:24:19.58:9.0,2.37:12N:143.65E,h51km,M3.5, Off east coast of Honshu

Code	Station Name	Δ°	AZT	Phase ID	h	m	s	Res
JFK	Kawauchi	2.23 277	P	Pn	19 20 34.1 +0.7			
JFK		2.23 277	eS	Sn	19 20 59.9 +0.1			
JIO	Ouri	2.26 307	P	Pn	19 20 35.1 +1.4			
JIO		2.26 307	eS	Sn	19 21 02.1 +1.7			
OFUJ	Ofunato	2.50 322	P	Pn	19 20 58.0 +0.9			
OFUJ		2.50 322	eS	Sn	19 21 06.9 +0.4			
JMK	Ichinoseki	2.65 314	P	Pn	19 20 40.5 +1.4			
JMK		2.65 314	eS	Sn	19 21 11.6 +1.6			
JFT	Otama	2.67 280	P	Pn	19 20 41.1 +1.7			
JFT		2.67 280	eS	Sn	19 21 12.5 +1.9			
JOM	Ohasama	2.99 322	P	Pn	19 20 45.2 +1.4			
JOM		2.99 322	eS	Sn	19 21 19.1 +2.2			
JYK	Kaneyama	3.16 306	P	Pn	19 20 48.3 +1.2			
JGUF	Ashikaga	3.44 260	P	Pn	19 20 51.0 +1.0			
JAG		3.44 260	eS	Sn	19 21 28.4 -1.1			
JANG	Nango	3.65 333	P	Pn	19 20 54.3 +1.4			
JANG		3.65 333	eS	Sn	19 21 34.5 +0.2			
JCH	Churui	5.49 358	P	Pn	19 21 17.7 -0.4			

BUI 12 19:24:14.0,9.60N:84.20W,h40km,mB5.4,Ms5.2/4, Ms7.4,8/3
UCR 12 19:24:14.2,4.2,9.46N:84.32W,h30km,3km,MD4.7, ML4.5,mb5.0(NEIC)
MOS 12 19:24:14.5,0.9,9.72N:84.30W,h49km,mb5.0/51, MS4.1/7, Error ellipse: s-maj=10.2km s-min=5.4km az=104.1
ISCJB 12 19:24:14.6,0.2,9.59N:0.02:84.27W:0.02,h59km,1km, mb5.0/309,MS4.1/24, Error ellipse: s-maj=4.1km s-min=1.9km az=36.5
GCMT 12 19:24:15.6,0.3,9.50N:0.02:84.41W:0.02,h48km,3km, MW5.0/80, Moment Tensor Solution. s21,c26; s80,c117; Duration: 0 Moment tensor: Scale 10¹⁹Nm; Mr1,29±.18; Mw2,0.9±.14; Mw3,-3.39±.14; Mw4,1.7±.12; Mw5,1.06±.12; Mw>0.47±.15; Best double couple: M3.62400×10¹⁶ Np1±152.00000°,δ66.00000°,λ30.00000°. NP2: 9.49.00000°,δ63.00000°,λ153.00000°. Principal axes: T 3.6550, P1g37.0000°, Azm11.00000°, N -0.0720, P1g53.0000°, Azm187.0000°, P -3.5930, P1g2.0000°, Azm280.0000°. nst21 refers to body waves, cutoff=40s. nst22 refers to surface waves, cutoff=50s. Triangular moment-rate function
IDC 12 19:24:16.3,0.9,9.74N:84.24W,h54km,6km,mb4.5/26, mb1.4/6/31,mb1mx4.6/43,mbtmp4.8/31,MS4.0/23, Ms1.3/9/23,ms1mx3.8/31 Error ellipse: s-maj=16.4km s-min=9.4km az=41.0
NEIC 12 19:24:16.0,4.9,9.60N:84.27W,h63km,3km,mb5.0/269, MD5.2(UCR), Error ellipse: s-maj=4.1km s-min=2.8km az=215.0
NEIC Felt [IV] at Alajuela, Alajuelita, Cartago, Heredia, Quepos, San Jose and Santa Ana [III] at Atenas, Escudo de Cavallon, Guadalupe, Jaco, Parita, Puerto Viejo, San Ignacio and Tres Rios. Felt widely in the Valle Central and lightly in Guanacaste.

ISC 12 19:24:15.8:0.5,9.58N:0.04:84.27W:0.04,h53km,3km, n1004,σ1517/1070,mb5.0/319,MS4.1/25,15C-11D, Costa Rica

Code	Station Name	Δ°	AZT	Phase ID	h	m	s	Res
OCR1	Quepos	0.18 146	P	Pn	19 24 14.9 +0.1			
LCR2	La Lucha 2	0.31 581	eP	Pn	19 24 23.7 -1.9			
SJS	Escuela Geolog	0.42 30	eP	Pn	19 24 25.6 -0.9			
HDC	Heredia	0.45 20	eP	Pn	19 24 26.1 -0.8			
HDC		0.45 20	eS	Sn	19 24 35.5 +0.7			
HDC	Heredia	0.45 20	eP	Pn	19 24 26.2 -0.6			
HDC		0.45 20	eS	Sn	19 24 35.3 +0.5			
EDDO	Dominical	0.51 129	eP	Pn	19 24 24.5 -2.8			
EDDO		0.51 129	eS	Sn	19 24 33.1 -2.6			
SRA1	San Ram'ın	0.55 338	eP	Pn	19 24 26.5 -1.4			
SRA1		0.55 338	eS	Sn	19 24 36.4 -0.3			
EDPM	Urasca	0.55 62	eP	Pn	19 24 27.1 -0.9			
EDLM	Las Mercedes	0.73 114	eP	Pn	19 24 28.4 -1.8			
EDLM		0.73 114	eS	Sn	19 24 40.1 -0.5			
JTS	JuntasAbangare	0.98 317	P	Pn	19 24 31.9 -1.5			
JTS		0.98 317	eS	Sn	19 24 45.7 -0.7			
JTS		2.0m,0.3s,baz=286,slow=2,SNR=432						
JTS		2.0m,0.3s,baz=286,slow=2,SNR=34						
JTS		comp=2.5µm,19.3s,baz=201,slow=54						
JTS	JuntasAbangare	0.98 317	eP	Pn	19 24 31.9 -1.5			
JTS		0.98 317	eS	Sn	19 24 45.7 +0.1			
JTS	JuntasAbangare	0.98 317	eP	Pn	19 24 32.4 -1.0			
JTS		0.98 317	eS	Sn	19 24 46.3 -0.1			
JTS	JuntasAbangare	0.98 317	dIP	Pn	19 24 31.7 -1.7			
ARE1	Arenal 1	0.99 333	eP	Pn	19 24 33.5 +0.1			
EDPN	Palmar Norte	1.01 127	eP	Pn	19 24 31.6 -2.0			
EDBA	Buenos Aires	1.06 113	eP	Pn	19 24 32.7 -1.8			
EDBA		1.06 113	eS	Sn	19 24 47.6 -0.7			
CUI	Cuipilapa	1.39 321	eP	Pn	19 24 38.8 -0.1			
VCR	Vista de Mar	1.45 292	eP	Pn	19 24 37.0 -2.8			
MESS	Mesas	1.47 322	eP	Pn	19 24 39.9 -0.2			
BRU2	Volcan	1.74 116	eP	Pn	19 25 03.2 -1.5			
BRU2		1.74 116	eS	Sn	19 25 03.5 -1.5			
TBS2		1.77 116	eP	Pn	19 25 03.3 -0.9			
TBS2		1.77 116	eS	Sn	19 25 05.5 -0.2			
CONN	Concepcion	3.28 326	eP	Pn	19 24 51.6 -0.9			
MASN	Masaya	3.03 323	eP	Pn	19 25 02.5 +1.2			
MGAN	Managua	3.21 323	eP	Pn	19 25 04.1 +0.3			
XAVN	Grua Xavier	3.28 322	eP	Pn	19 25 04.9 +0.4			
COPN	Copaltepe	3.45 319	eP	Pn	19 25 06.6 -0.5			
MOMN	Momotombo	3.59 322	eP	Pn	19 25 08.4 -0.7			
PINA	Piqa, Costa Ab	4.16 94	iP	Pn	19 25 17.1 +0.2			
AZU	Azuero	4.33 114	eP	Pn	19 25 19.7 +0.2			
AZU		4.33 114	eS	Sn	19 25 10.6 +2.5			
ZANG	Zanguenga, Cho	4.39 98	iP	Pn	19 25 20.2 +0.3			
ZANG		4.39 98	AMP		19 25 22.9			
ZANG		comp=2.3µm,0.2s						
BCIP	Isla Barro Col	4.39 95	eP	Pn	19 26 10.7 +0.8			
BCIP	Isla Barro Col	4.39 95	eP	Pn	19 25 19.2 -0.8			
BCIP		4.39 95	eP	Pn	19 25 19.6			
BCIP		4.39 95	IAML		19 26 02.4			
BCIP		comp=Z,1µm,0.8s						
BCIP	Isla Barro Col	4.39 95	eP	Pn	19 25 19.9 -0.1			
FRJ	El Hiral	4.50 94	eP	Pn	19 25 21.6 +0.0			
FRJ		4.50 94	eS	Sn	19 26 13.6 +1.1			
CSGN	Cosiguina Volc	4.67 317	eP	Pn	19 25 24.5 +0.6			
CSGN		4.67 317	eS	Sn	19 25 14.9 -2.1			
UPA	Univ. de Panam	4.71 97	eP	Pn	19 25 24.3 0.0			
UPA		4.71 97	AMP		19 25 25.4			
UPA		comp=Z,4µm,0.7s						
PRVC	Isla de Provid	4.73 37	eP	Pn	19 26 18.3 +0.5			
CSNH	Conchagua	5.07 317	eP	Pn	19 25 25.0 +0.4			
CNCH		5.07 317	eP	Pn	19 25 31.4 +1.9			
CNCH		5.07 317	eS	Sn	19 25 27.0 +0.9			
LCND	La Ca'-ada	5.14 327	eP	Pn	19 25 31.7 +1.5			
LCND		5.14 327	IAML		19 26 31.6			
LCND		comp=Z,403nm,0.4s						
TGHU	Tegucigalpa,Un	5.34 327	eP	Pn	19 25 34.6 +1.7			
VSM	San Miguel	5.48 313	eP	Pn	19 25 37.2 +0.2			
LCY	Lacayo	5.50 314	eP	Pn	19 25 37.1 +1.8			
TECA	Tecapa	5.69 314	eP	Pn	19 25 39.5 +1.5			
PAVA	Las Pavas	6.15 312	eP	Pn	19 25 45.8 +1.5			
PAVA		6.15 312	IAML		19 25 47.6			
PAVA		comp=Z,587nm,0.3s						
LFRS	El Faro	6.18 311	eP	Pn	19 25 45.7 +1.0			
LBR5	Las Brisas	6.24 312	eP	Pn	19 25 46.7 +1.2			
UPD2	Meteti	6.26 99	eP	Pn	19 25 45.6 0.0			
SNET	Serv Nac Est T	6.35 311	eP	Pn	19 25 47.8 +0.8			
SNET		6.35 311	eS	Sn	19 25 55.7 -2.5			
UES	San Salvador	6.38 311	eP	Pn	19 25 48.6 +1.2			
UES		6.38 311	IAML		19 25 50.1			
UES		comp=Z,678nm,0.3s						
BOQS	Boqueron	6.42 311	eP	Pn	19 25 49.5 +1.5			

BOQS	Cerro Verde	6.74 309	eS	Pn	19 26 57.9 -2.2
CEVE		6.74 309	eP	Pn	19 25 53.6 +1.2
CEVE		6.74 309	IAML		19 25 56.3
SBLS	San Blas	6.74 309	eP	Pn	19 25 54.0 +1.5
SNJE	San Jose	6.75 310	eP	Pn	19 25 53.3 +0.8
RTR	El Retiro	6.79 310	eP	Pn	19 25 53.9 +0.8
APG	El Apazote	8.11 312	P	Pn	19 26 13.5 +2.3
APG		comp=Z,15nm,0.3s,baz=122,slow=8.2,SNR=102			
DBBC	Dabeiba	8.37 107	eP	Pn	19 26 15.5 +0.9
MOTC	Monteja, Cord	8.37 95	eP	Pn	19 26 18.2 -1.5
UREC	San Jos' de U	8.82 101	eP	Pn	19 26 21.5 +0.7
GRGG	Isla de Gorgon	8.91 137	eP	Pn	19 26 21.2 -0.8
HELK	Santa Helena	9.29 111	eP	Pn	19 26 27.6 +0.2
ZARC	Zaragoza, Cauc	9.53 102	eP	Pn	19 26 31.1 +0.6
GUYO	Guyana, Colomb	9.81 116	eP	Pn	19 26 35.0 +1.3
RREF	Recreo	9.89 117	eP	Pn	19 26 39.0 +1.7
SMRC	Santa Marta, M	10.01 80	eP	Pn	19 26 40.0 +3.0
WBCY	West Bay, Gran	10.13 16	ePn	Pn	19 26 41.8 +3.2
CCIG	Comitan	10.16 312	ePn	Pn	19 26 41.3 +2.1
POPC	Popayan, Colom	10.29 132	eP	Pn	19 26 41.1 +0.1
SOTA	Riohancio	10.61 134	eP	Pn	19 26 46.2 +0.5
MARP	Paez Belalcaza	10.63 128	eP	Pn	19 26 48.9 +3.1
PCON	Cinco Dias	10.63 132	eP	Pn	19 26 47.4 +1.4
CRUC	La Cruz	10.78 137	eP	Pn	19 26 48.8 +0.9
GOUF	Volcan Galeras	10.78 140	eP	Pn	19 26 47.6 -0.4
MTDJ	Mount Denham	10.86 36	ePn	Pn	19 26 50.4 +2.5
ROSC	El Rosal	10.83 115	P	Pn	19 26 52.4 +2.4
ROSC		comp=Z,1.1nm,0.3s,baz=126,slow=20,SNR=4.6			
ROSC		LR			19 30 46.3
ROSC		comp=Z,931nm,21.2s,baz=295,slow=36			
OTAV	OTAV	10.93 115	ePn	Pn	19 26 50.7 +0.8
OTAV	OTAV	10.94 148	ePn	Pn	19 26 49.8 -0.3
OTAV	OTAV	10.94 148	eP	Pn	19 26 49.8 -0.3
PRAC	Prado	10.99 121	eP	Pn	19 26 53.6 +3.2
BETC	Betania	11.13 127	eP	Pn	19 26 55.8 +3.2
TEIG	Tepecih	11.27 340	ePn	Pn	19 26 58.0 -3.5
CHIC	Chingaza	11.55 114	eP	Pn	19 27 02.0 +0.7
PAMC	Pamplona, Colo	11.66 100	eP	Pn	19 27 00.7 +0.7
RUSC	La Rusia	11.67 107	eP	Pn	19 27 00.5 +0.3
FLOC	Florencia	11.68 132	eP	Pn	19 27 01.3 +1.4
PAYG	Puerto Ayora	11.81 211	ePn	Pn	19 27 02.8 +1.1
URJC	Unioia, Colomb	12.25 79	eP	Pn	19 27 07.7 -0.1
CMIG	Matias Romero	12.74 307	P	Pn	19 27 13.9 -0.4
CMIG		comp=Z,9.8nm,0.3s,baz=146,slow=9.2,SNR=39			
CMIG		LR			19 29 30.7 -4.1
CMIG		comp=Z,0.2nm,0.3s,baz=312,slow=23,SNR=1.3			
CMIG		LR			19 32 06.6
SDV	Santo Domingo	13.48 92			

Z52A	Williamson	baz=173,SNR=24	23.50	360	P	P	19 29 21.8 +0.8
145A	Houston Retro	baz=180,SNR=25	23.51	348	P	P	19 29 21.4 +0.4
RGRS	Roger Stewart	comp=Z,415nm,0.6s	23.52	9	eP	P	19 29 21.9 +0.7
242A	Grayson	baz=160	23.54	343	P	P	19 29 21.6 +0.3
Z54A	Sparta	baz=184,SNR=17	23.59	3	P	P	19 29 22.2 +0.4
Z49A	Columbiana	baz=174,SNR=27	23.60	355	P	P	19 29 22.6 +0.6
Z53A	Monticello	baz=182,SNR=17	23.61	1	P	P	19 29 22.7 +0.7
Z50A	Ashland	comp=Z,86nm,0.8s	23.61	357	eP	P	19 29 22.7 +0.6
Z50A	Ashland	baz=176,SNR=44	23.61	357	P	P	19 29 22.8 +0.7
Z55A	Blythe	baz=185,SNR=5.7	23.61	4	P	P	19 29 23.0 +1.0
CSU	Charleston Sou	23.62	9	eP	P	19 29 21.9 -0.1	
144A	Alexander Plac	baz=165	23.64	347	P	P	19 29 22.6 +0.3
Z51A	Franklin	baz=178,SNR=7.4	23.64	358	P	P	19 29 23.3 +1.0
NHSC	New Hope	comp=Z,90nm,1.4s	23.72	9	eP	P	19 29 23.9 +0.9
NHSC	New Hope	baz=190	23.72	9	P	P	19 29 23.9 +0.9
241A	Mo Tay, Goldon	comp=Z,52nm,0.8s	23.73	341	eP	P	19 29 23.8 +0.7
241A	Mo Tay, Goldon	baz=158	23.73	341	P	P	19 29 24.4 +1.3
GOGA	Godfrey	comp=Z,53nm,0.7s	23.73	2	eP	P	19 29 23.4 +0.2
GOGA	Godfrey	comp=Z,53nm,0.7s	23.73	2	eP	pmax	19 29 23.4 +0.2
GOGA	Godfrey	comp=Z,53nm,0.7s	23.73	2	P	P	19 29 23.9 +0.7
Z47A	Carrollton	baz=171,SNR=6.0	23.77	352	P	P	19 29 24.0 +0.5
Z48A	Northport	baz=172,SNR=30	23.88	353	P	P	19 29 25.0 +0.5
Z46A	Louisville	baz=169,SNR=9.5	23.90	350	P	P	19 29 25.2 +0.5
142A	Monroe	baz=161	23.94	344	P	P	19 29 25.3 +0.3
143A	Socs Landing,	comp=Z,86nm,0.4s	23.94	345	eP	P	19 29 25.0 0.0
143A	Socs Landing,	baz=162	23.94	345	P	P	19 29 25.5 +0.5
240A	Hunter Patters	comp=Z,44nm,0.7s	24.02	340	eP	P	19 29 25.8 0.0
NATX	Nacogdoches	comp=Z,180nm,1.8s	24.09	338	eP	P	19 29 26.0 -0.4
NATX	Nacogdoches	baz=154	24.09	338	P	P	19 29 27.0 +0.5
Y53A	Monroe	baz=182,SNR=35	24.17	1	P	P	19 29 27.8 +0.6
Y52A	Liburn	comp=Z,73nm,0.6s	24.18	0	eP	P	19 29 27.7 +0.5
Y52A	Liburn	baz=180,SNR=27	24.18	0	P	P	19 29 27.9 +0.7
Z45A	Winona	comp=Z,363nm,0.8s	24.20	349	eP	P	19 29 28.1 +0.7
Z45A	Winona	baz=167	24.20	349	P	P	19 29 28.5 +1.1
Y54A	Tignall	baz=184,SNR=13	24.22	3	P	P	19 29 28.1 +0.6
Y51A	Rockmart	baz=173,SNR=45	24.22	358	P	P	19 29 28.2 +0.6
Y50A	Piedmont	baz=176,SNR=63	24.24	357	P	P	19 29 28.1 +0.3
Y49A	Blount Mountain	comp=Z,59nm,0.8s	24.25	356	eP	P	19 29 28.7 +0.8
Y49A	Blount Mountain	baz=175,SNR=20	24.25	356	P	P	19 29 28.3 +0.5
Z44A	Pea Ridge, Bel	baz=165,SNR=5.2	24.26	347	P	P	19 29 27.9 -0.1
141A	Papa Simpson,	baz=159	24.27	342	P	P	19 29 28.1 +0.1
Y48A	Jasper	baz=173,SNR=25	24.37	354	P	P	19 29 29.1 +0.1
Z43A	Armstrong Farm	baz=163	24.39	346	P	P	19 29 29.3 +0.2
Y47A	UCPARC, Winfie	comp=Z,31nm,0.3s	24.43	353	P	P	19 29 29.8 +0.3
435B	Jarrell	comp=Z,70nm,0.7s	24.48	331	eP	P	19 29 30.1 +0.1
435B	Jarrell	baz=147,SNR=7.4	24.48	331	P	P	19 29 29.9 -0.1
140A	Cam and Jess,	comp=Z,44nm,0.8s	24.51	341	eP	P	19 29 30.5 +0.2
Y46A	Houston	baz=169,SNR=18	24.56	351	P	P	19 29 30.6 -0.1
HODGE	Hodges	comp=Z,59nm,1.2s	24.61	4	eP	P	19 29 32.1 +1.0
Z42A	Norrel Spur, H	baz=162	24.62	344	P	P	19 29 31.8 +0.5
Y45A	Yeager Farm, C	baz=168	24.66	349	P	P	19 29 31.7 +0.1
JSC	Jenkinsville	comp=Z,79nm,0.9s	24.75	6	eP	P	19 29 33.2 +0.8
JSC	Jenkinsville	comp=Z,79nm,0.9s	24.75	6	eP	pmax	19 29 33.2 +0.8
JSC	Jenkinsville	comp=Z,79nm,0.9s	24.80	357	P	P	19 29 33.4 +0.4
X53A	Estanolle	baz=182,SNR=20	24.83	2	P	P	19 29 33.6 +0.4
Z41A	Richland Creek	comp=Z,54nm,0.9s	24.85	343	eP	P	19 29 33.4 +0.1
Z41A	Richland Creek	baz=160	24.85	343	P	P	19 29 33.9 +0.6
Y44A	Strider, Charl	baz=166	24.88	348	P	P	19 29 32.7 -0.8
X51A	Calhoun	comp=Z,215nm,1.9s	24.88	359	P	P	19 29 34.0 +0.4
X48A	Hartselle	comp=Z,11nm,0.7s, baz=134,slow=9.0,SNR=10	24.89	355	eP	P	19 29 33.2 -0.5
X48A	Hartselle	baz=177,SNR=14	24.89	355	P	P	19 29 33.7 0.0
X49A	Woodville	baz=175,SNR=41	24.89	356	P	P	19 29 33.9 +0.2
X52A	Dahlonga	baz=181,SNR=23	24.91	1	P	P	19 29 34.3 +0.3
Y43A	Makayla and Ka	baz=164	24.98	347	P	P	19 29 34.8 +0.3
Z40A	Long Farm, Mag	baz=158	25.03	342	P	P	19 29 35.2 +0.3
X47A	Russelville	baz=172,SNR=24	25.04	353	P	P	19 29 34.6 -0.5
Y42A	Garnett, Star	baz=162	25.12	345	P	P	19 29 34.5 -1.3
X45A	UM Field Stati	baz=168	25.18	350	P	P	19 29 35.5 -0.8
X46A	Booneville	baz=170,SNR=6.4	25.18	352	P	P	19 29 36.1 -0.2
CCAR	Cane Creek	comp=Z,188nm,1.0s	25.19	345	eP	P	19 29 37.1 +0.7
PAULI	Pauline	comp=Z,61nm,0.8s	25.23	5	eP	P	19 29 37.8 +1.0
OXF	Oxford	comp=Z,140nm,1.4s	25.26	350	eP	P	19 29 36.0 -1.1
OXF	Oxford	comp=Z,140nm,1.4s	25.26	350	eP	pmax	19 29 36.0 -1.1
OXF	Oxford	comp=Z,140nm,1.4s	25.26	350	P	P	19 29 36.0 -1.1
BG3	Lake Joacasa	comp=Z,80nm,0.9s	25.33	3	eP	P	19 29 38.7 +1.0
JCT	Junction City	comp=Z,26nm,0.8s	25.35	327	eP	P	19 29 38.1 +0.1
JCT	Junction City	comp=Z,26nm,0.8s	25.35	327	eP	pmax	19 29 38.1 +0.1
JCT	Junction City	comp=Z,26nm,0.8s	25.35	327	P	P	19 29 37.8 -0.2
Y41A	Eaglette Beard	baz=161	25.38	344	P	P	19 29 38.4 +0.3
W52A	Murphy	comp=Z,43nm,0.8s	25.40	1	eP	P	19 29 39.4 +1.0
W52A	Murphy	baz=191,SNR=17	25.40	1	P	P	19 29 38.9 +0.5

WHTX	Lake Whitney,	comp=Z,30nm,1.0s	25.44	333	eP	P	19 29 39.3 +0.6
WHTX	Lake Whitney,	baz=148	25.44	333	P	P	19 29 39.1 +0.4
W51A	Cleveland	baz=179,SNR=15	25.47	359	P	P	19 29 39.5 +0.5
W49A	Belvidere	baz=175,SNR=31	25.49	356	P	P	19 29 39.1 -0.1
W53A	Cullowhee	comp=Z,174nm,0.8s	25.50	2	P	P	19 29 40.0 +0.6
W50A	Signal Mountai	comp=Z,174nm,0.8s	25.52	358	eP	P	19 29 39.9 +0.3
W50A	Signal Mountai	baz=192,SNR=70	25.52	358	P	P	19 29 39.6 +0.1
PLAL	Pickwick Lake	comp=Z,53nm,1.4s	25.53	353	eP	P	19 29 39.0 -0.5
X43A	Marvell	comp=Z,162nm,0.8s	25.56	347	P	P	19 29 40.6 +0.8
W48A	Pulaski	baz=174,SNR=18	25.56	355	P	P	19 29 39.8 0.0
SWET	Sewanee	comp=Z,162nm,0.8s	25.57	357	eP	P	19 29 40.0 +0.1
KMSC	Kings Mountain	comp=Z,33nm,0.8s	25.59	6	eP	P	19 29 40.4 +0.3
KMSC	Kings Mountain	baz=187,SNR=12	25.59	6	P	P	19 29 40.5 +0.5
Y40A	Okolona	comp=Z,22nm,1.3s	25.69	343	P	P	19 29 40.1 -0.8
W46A	Michie	baz=171	25.72	352	P	P	19 29 40.3 -0.9
W47A	Westpoint	comp=Z,22,SNR=33	25.74	354	P	P	19 29 41.2 -0.2
CPCT	Cooper Cave	comp=Z,50nm,0.8s	25.76	360	eP	P	19 29 42.4 +0.8
W45A	Hickory Valley	comp=Z,50nm,0.8s	25.86	351	P	P	19 29 41.3 -1.2
X41A	Kaden, Bauxite	baz=161	25.93	344	P	P	19 29 41.9 -1.2
TKL	Tuckaleechee C	comp=Z,22nm,0.9s, baz=172,slow=11,SNR=16	25.97	1	eP	P	19 29 44.2 +0.8
TKL	Tuckaleechee C	comp=Z,41nm,1.2s	25.97	1	eP	P	19 29 44.0 +0.5
V50A	Pikeville	baz=178,SNR=23	25.99	358	P	P	19 29 43.9 +0.3
V53A	Saluda	comp=Z,26nm,0.9s	26.01	3	eP	P	19 29 44.6 +0.7
V53A	Saluda	baz=183,SNR=12	26.01	3	P	P	19 29 44.7 +0.7
X40A	Basin Creek Fa	comp=Z,59nm,1.1s	26.01	344	eP	P	19 29 43.0 -0.8
X40A	Basin Creek Fa	baz=160,SNR=6.1	26.01	344	P	P	19 29 43.9 +0.1
W43A	Forest City	baz=166	26.07	348	P	P	19 29 44.8 +0.5
V51A	Loudon	comp=Z,34nm,0.8s	26.11	360	eP	P	19 29 44.8 0.0
V51A	Loudon	baz=180,SNR=12	26.11	360	P	P	19 29 45.3 +0.6
V49A	McIntosh C	comp=Z,41nm,1.0s	26.11	357	P	P	19 29 46.0 +1.2
UALR	University of	comp=Z,41nm,1.0s	26.15	345	eP	P	19 29 44.6 -0.6
V48A	Smith Brothers	comp=Z,39nm,1.1s	26.15	355	eP	P	19 29 44.8 -0.3
V48A	Smith Brothers	baz=174,SNR=9.7	26.15	355	P	P	19 29 45.0 -0.1
V52A	Sevierville	comp=Z,34nm,1.1s	26.15	1	eP	P	19 29 45.3 +0.2
V52A	Sevierville	baz=182,SNR=7.0	26.15	1	P	P	19 29 45.6 +0.4
CNCC	Cliffs of the	comp=Z,440nm,0.1s	26.22	12	eP	P	19 29 46.8 +1.2
PTGA	Pitings	comp=Z,4.0nm,0.6s, baz=292,slow=14,SNR=7.0	26.27	112	P	P	19 29 47.9 +1.4
PTGA	Pitings	comp=Z,4.0nm,0.6s, baz=292,slow=14,SNR=7.0	26.27	112	eP	P	19 29 47.6 +1.1
MIAR	MIAR	comp=Z,30nm,1.1s	26.28	342	eP	P	19 29 45.9 -0.4
MIAR	MIAR	comp=Z,37nm,0.8s	26.28	342	eP	pmax	19 29 45.9 -0.4
MIAR	MIAR	comp=Z,37nm,0.8s	26.28	342	P	P	19 29 46.3 +0.1
V47A	Nunnely	baz=173,SNR=34	26.30	354	P	P	19 29 45.9 -0.6
V46A	Holiday	baz=171,SNR=11	26.34	353	P	P	19 29 45.7 -1.2
V45A	Humboldt	baz=170	26.39	351	P	P	19 29 46.3 -1.0
X39A	Fountain Ranch	baz=158	26.41	341	P	P	19 29 47.6 +0.2
W41B	Gary Mavity, V	comp=Z,40nm,1.2s	26.50	345	eP	P	19 29 47.4 -1.0
W41B	Gary Mavity, V	baz=163,SNR=12	26.50	345	P	P	19 29 47.3 -1.0
HBAR	Harrisburg	comp=Z,76nm,0.5s	26.51	348	eP	P	19 29 47.0 -1.4
HPIG	HPIG	comp=Z,17nm,1.3s	26.59	313	eP	P	19 29 50.0 +0.5
HALT	Halls	comp=Z,127nm,0.4s	26.62	351	eP	P	19 29 47.2 -2.1
V44A	Blytheville	baz=168	26.63	350	P	P	19 29 48.4 -1.1
WVT	Waverly	comp=Z,36nm,1.3s	26.63	354	eP	P	19 29 47.9 -1.6
WVT	Waverly	comp=Z,36nm,1.3s	26.63	354	eP	pmax	19 29 47.9 -1.6
WVT	Waverly	comp=Z,37nm,1.3s	26.63	354	P	P	19 29 48.8 -0.7
U51A	La Follette	baz=172	26.68	0	P	P	19 29 49.8 -0.2
U53A	Fall Branch	baz=181	26.71	3	P	P	19 29 50.5 +0.3
U50A	Jamestown	baz=179,SNR=14	26.73	359	P	P	19 29 50.1 -0.2
W40A	Ferguson Farm,	comp=Z,11nm,1.1s	26.74	344	eP	P	19 29 50.4 0.0
W40A	Ferguson Farm,	baz=160	26.74	344	P	P	19 29 50.1 -0.3
TXAR	Lajitas Array	comp=Z,3.1nm,0.7s, baz=134,slow=9.0,SNR=10	26.77	320	P	P	19 29 50.5 -0.4
TXAR	Lajitas Array	comp=Z,3.1nm,0.7s, baz=134,slow=9.0,SNR=10	26.77	320	eP	P	19 33 14.5 +1.4
TXAR	Lajitas Array	comp=Z,3.1nm,0.7s, baz=134,slow=9.0,SNR=10	26.77	320	eP	LR	19 41 54.7
TX31	Lajitas Ar. Si	comp=Z,22nm,1.3s	26.77	320	eP	P	19 29 49.8 -1.0
TX31	Lajitas Ar. Si	comp=Z,22nm,1.3s	26.77	320	eP	P	19 33 14.1 +1.0
GNAR	Gosnell	comp=Z,65nm,0.9s	26.79				

Q51A	Peebles	29.34	1	eP	P	19 30 12.5	-1.1
Q51A	Peebles	29.34	1	P	P	19 30 12.9	-0.7
Q45A	Warren	29.40	354	P	P	19 30 13.7	-0.5
SLM	Saint Louis	29.43	350	eP	P	19 30 13.4	-1.0
SLM	Saint Louis	29.43	350	eP	P	19 30 13.4	-1.0
MNTX	Cornudas Mount	29.47	321	eP	P	19 30 14.4	-0.5
MNTX	Cornudas Mount	29.47	321	P	P	19 30 13.6	-1.3
Q44A	Meyer Farm, Va	29.51	352	P	P	19 30 14.1	-1.0
BLO	Bloomington	29.54	356	eP	P	19 30 14.2	-1.2
BLO	Bloomington	29.54	356	eP	P	19 30 14.2	-1.2
MSTX	Muleshoe	29.64	328	eP	P	19 30 15.1	-1.4
MSTX	Muleshoe	29.64	328	eP	P	19 30 20.1	+0.1
MSTX	Muleshoe	29.64	328	P	P	19 30 14.9	-1.6
Q43A	New Douglas	29.64	351	P	P	19 30 15.2	-1.1
Q42A	Golden Eagle	29.75	350	P	P	19 30 16.2	-1.0
P48A	Milroy	29.78	358	P	P	19 30 16.1	-1.4
P51A	Williamsport	29.80	2	eP	P	19 30 17.5	-0.1
P51A	Williamsport	29.80	2	P	P	19 30 17.6	-0.1
AMTX	Amarillo	29.80	330	P	P	19 30 16.0	-1.8
P47A	Miami Univ. Ec	29.84	359	P	P	19 30 17.7	-0.3
P49A	Martinsville	29.84	357	P	P	19 30 18.3	+0.3
P53A	Whipple	29.90	4	eP	P	19 30 19.0	+0.4
P53A	Whipple	29.90	4	eP	P	19 33 19.3	-1.2
P50A	Jamestown	29.91	1	P	P	19 30 18.9	+0.4
Q41A	Truxton	29.91	349	P	P	19 30 18.4	-0.3
P45A	Graceland, Par	29.99	355	eP	P	19 30 17.6	-1.1
P45A	Graceland, Par	29.99	355	eP	P	19 30 18.4	-0.9
P52A	Corning	29.99	3	P	P	19 30 18.3	-1.1
P44A	Sand Creek, Wi	30.02	353	P	P	19 30 19.6	+0.2
P46A	Rosedale	30.03	355	P	P	19 30 19.5	-0.1
MCWV	Mont Chateau	30.22	7	eP	P	19 30 18.4	-1.3
MCWV	Mont Chateau	30.22	7	P	P	19 30 21.5	+0.2
LPZA	La Paz	30.26	148	P	P	19 30 21.2	-0.2
LPZA	La Paz	30.26	148	P	P	19 30 22.9	+0.3
LPZA	La Paz	30.26	148	P	P	19 30 22.9	+0.3
LPZA	La Paz	30.26	148	P	P	19 43 21.4	
LPZA	La Paz	30.26	148	eP	P	19 30 22.6	0.0
P43A	Skaggs, Pawnee	30.30	352	P	P	19 30 22.6	0.0
P42A	Winchester	30.37	351	eP	P	19 30 21.4	-0.7
P42A	Winchester	30.37	351	eP	P	19 30 21.1	-1.7
P42A	Winchester	30.37	351	P	P	19 30 22.2	-0.5
Q38A	Cooks Store, C	30.44	346	P	P	19 30 22.4	-0.9
SDMD	Soldier's Dell	30.44	11	eP	P	19 30 22.2	-1.2
O50A	Cable	30.45	1	P	P	19 30 23.0	-0.4
O51A	Pataskala	30.48	3	P	P	19 30 23.0	-0.8
O49A	Covington	30.49	360	eP	P	19 30 23.8	-0.3
O49A	Covington	30.49	360	P	P	19 30 23.0	-0.8
O52A	Adamsville	30.49	4	eP	P	19 30 23.6	-0.2
O52A	Adamsville	30.49	4	P	P	19 30 23.3	-0.5
ACSO	Alum Creek Sta	30.55	2	eP	P	19 30 24.0	-0.3
ACSO	Alum Creek Sta	30.55	2	P	P	19 30 24.1	-0.2
O48A	Farmland	30.57	359	P	P	19 30 23.4	-1.1
P41A	Barry, Barry	30.58	350	P	P	19 30 23.2	-1.4
O47A	Sheridan	30.58	357	P	P	19 30 23.3	-1.2
O44A	Mansfield	30.68	354	P	P	19 30 23.5	-1.9
O45A	Potomac	30.70	355	P	P	19 30 23.8	-1.8
SFIN	Lafayette	30.78	356	eP	P	19 30 25.1	-1.2
SFIN	Lafayette	30.78	356	P	P	19 30 24.9	-1.4
O43A	Sugar Creek Fa	30.91	352	P	P	19 30 26.5	-1.0
O41A	Passleys Farm,	30.98	350	P	P	19 30 26.6	-1.5
O56A	Blue Knob Stat	30.98	8	eP	P	19 30 28.0	-0.1
O56A	Blue Knob Stat	30.98	8	P	P	19 30 27.8	-0.3
N50A	Nevada	31.09	2	P	P	19 30 28.2	-0.8
MVL	Millersville	31.11	12	eP	P	19 30 28.0	-0.6
N48A	Decatur	31.16	359	P	P	19 30 28.2	-1.1
HDIL	Hopedale	31.18	353	eP	P	19 30 28.6	-0.6
HDIL	Hopedale	31.18	353	P	P	19 30 28.5	-1.3
N47A	Urbana	31.20	358	P	P	19 30 28.5	-1.3
N49A	Columbus Grove	31.22	0	eP	P	19 30 28.6	-1.4
N49A	Columbus Grove	31.22	0	P	P	19 30 29.0	-1.2
N49A	Columbus Grove	31.22	0	P	P	19 30 29.2	-1.0
PAGS	Pennsylvania G	31.26	11	eP	P	19 30 30.9	+0.5
N51A	Ashland	31.26	3	eP	P	19 30 30.2	-0.3
N51A	Ashland	31.26	3	P	P	19 30 30.2	-0.3
N51A	Ashland	31.26	3	P	P	19 30 29.8	-0.8
N46A	Monticello	31.27	356	P	P	19 30 29.8	-0.9
N45A	Kentland	31.28	355	P	P	19 30 29.8	-0.9
N44A	Piper City	31.28	354	P	P	19 30 30.2	-0.5
KSU1	Kansas State U	31.41	341	eP	P	19 30 31.7	-1.1
SSPA	Standing Stone	31.45	9	eP	P	19 30 30.9	-1.0
SSPA	Standing Stone	31.45	9	P	P	19 30 32.5	+0.3
N54A	Moraine State	31.49	6	P	P	19 30 31.8	-0.4
N54A	Moraine State	31.49	6	P	P	19 30 32.8	+0.2
N54A	Moraine State	31.49	6	P	P	19 30 32.0	-0.6
N43A	Stutzman Famil	31.54	353	P	P	19 30 31.3	-1.6
N42A	Yates City	31.54	352	P	P	19 30 31.3	-1.2
N41A	Harden Midland	31.55	350	eP	P	19 30 31.8	-1.8
N41A	Harden Midland	31.55	350	P	P	19 30 31.5	-1.6
HSIG	comp=Z,20nm,1.5s	31.62	311	eP	P	19 30 34.2	+0.4

M47A	Cromwell	31.68	358	P	P	19 30 32.5	-1.7
M50A	Fremont	31.72	2	eP	P	19 30 34.3	-0.3
M50A	Fremont	31.72	2	P	P	19 30 33.7	-0.8
319A	Douglas	31.78	317	eP	P	19 30 36.2	+0.8
N40A	Mertquake, Sal	31.85	349	eP	P	19 30 34.2	-1.5
M44A	Midwin, Midew	31.86	355	P	P	19 30 33.6	-2.2
MNMC	Minye Minye	31.98	153	eP	P	19 30 37.9	+0.5
M43A	Waltham Townsh	32.00	353	P	P	19 30 35.9	-1.2
N39A	Derby Farms, D	32.02	348	eP	P	19 30 35.8	-1.6
N39A	Derby Farms, D	32.02	348	P	P	19 30 35.6	-1.4
M54A	Oil Creek Stat	32.06	7	P	P	19 30 36.1	-1.5
N59A	State Game Lan	32.11	12	eP	P	19 30 39.0	+0.9
N59A	State Game Lan	32.11	12	P	P	19 30 37.2	-0.9
M41A	Milan	32.15	351	P	P	19 30 36.5	-1.8
L48A	N Adams	32.24	360	P	P	19 30 37.6	-1.6
L47A	Sherwood	32.28	359	P	P	19 30 37.8	-1.7
M40A	Post Highland	32.34	350	P	P	19 30 38.4	-1.7
ANMO	Albuquerque	32.39	325	eP	P	19 30 40.3	-0.5
ANMO	Albuquerque	32.39	325	eP	P	19 33 28.3	+0.9
ANMO	Albuquerque	32.39	325	P	P	19 30 40.4	-0.4
LAZ	Ladon	32.40	323	eP	P	19 30 36.5	-4.5
L49A	Milan	32.41	1	P	P	19 30 39.6	-1.0
PB11	IPOC Station P	32.51	154	eP	P	19 30 42.3	+0.4
L42A	Oliver, Polo	32.65	353	eP	P	19 30 40.8	-1.9
L42A	Oliver, Polo	32.65	353	P	P	19 30 41.0	-1.8
L43A	Garden Prairie	32.72	354	P	P	19 30 41.6	-1.7
KSPA	Keystone Colle	32.73	12	eP	P	19 30 44.1	+0.7
L41A	Preston	32.83	351	P	P	19 30 42.7	-1.6
L40A	Anamosa	32.93	350	eP	P	19 30 43.4	-1.8
L40A	Anamosa	32.93	350	P	P	19 30 43.7	-1.5
K47A	Fermontville	32.97	359	P	P	19 30 44.1	-1.4
K46A	Dorr	33.01	358	P	P	19 30 44.2	-1.7
K48A	Penry	33.10	0	P	P	19 30 45.3	-1.4
L39A	Vinton	33.13	349	P	P	19 30 45.1	-1.8
SCIA	State Center	33.15	348	eP	P	19 30 46.0	-1.1
SCIA	State Center	33.15	348	P	P	19 30 45.8	-1.4
K43A	Burlington	33.19	355	P	P	19 30 45.9	-1.5
BINY	Binghamton	33.30	11	eP	P	19 30 49.3	+0.9
BINY	Binghamton	33.30	11	P	P	19 30 47.9	-0.5
K41A	Shullsburg	33.33	352	P	P	19 30 47.0	-1.7
TUC	Tucson	33.36	317	eP	P	19 30 48.5	-0.7
TUC	Tucson	33.36	317	eP	P	19 30 48.5	-0.7
K42A	Prairie Point,	33.37	353	P	P	19 30 47.2	-1.8
MNMY	Mt. Pleasant	33.50	9	eP	P	19 30 49.9	-0.2
K40A	Colesburg	33.54	351	P	P	19 30 48.9	-1.6
KSCO	Key Sheddock	33.61	334	eP	P	19 30 51.5	+0.2
JFWS	Jewell Farm	33.62	352	eP	P	19 30 49.4	-1.8
JFWS	Jewell Farm	33.62	352	eP	P	19 30 49.4	-1.8
JFWS	Jewell Farm	33.62	352	P	P	19 30 49.4	-1.8
L36A	Harm Buss Farm	33.66	346	P	P	19 30 49.7	-1.9
K39A	Delwin	33.67	350	P	P	19 30 49.5	-2.1
PB01	IPOC Station P	33.72	155	eP	P	19 30 52.9	+0.6
J43A	Natural Harves	33.77	355	P	P	19 30 50.8	-2.6
J42A	Columbus	33.88	354	P	P	19 30 51.7	-1.8
SDCO	Great Sand Dun	33.95	329	eP	P	19 30 54.0	-0.5
SDCO	Loganville	34.03	353	P	P	19 33 33.5	+1.5
J41A	Belmont	34.07	348	P	P	19 30 53.1	-1.7
K37A	Belmont	34.07	348	P	P	19 30 52.8	-2.3
K36A	Gilmore City	34.12	347	P	P	19 30 53.9	-1.7
J40A	Soldiers Grove	34.16	352	P	P	19 30 53.6	-2.3
X18A	Snowflake	34.20	320	eP	P	19 30 54.9	-1.7
J39A	Decatur	34.25	350	P	P	19 30 54.2	-2.4
I43A	Langenfeld Bro	34.35	355	P	P	19 30 55.6	-1.9
I42A	Draefer Farm,	34.42	354	eP	P	19 30 56.2	-1.9
I42A	Draefer Farm,	34.42	354	P	P	19 30 56.5	-1.6
W18A	Petrified Fore	34.45	321	eP	P	19 30 59.6	+0.8
PB04	IPOC Station P	34.60	157	eP	P	19 30 59.3	-0.8
I40A	Norwalk	34.63	352	P	P	19 30 58.0	-1.9
S22A	Ranch, Cre	34.64	328	eP	P	19 33 35.9	+2.0
I41A	Arkdale	34.70	353	eP	P	19 30 58.9	-1.6
I41A	Arkdale	34.70	353	P	P	19 30 58.6	-1.9
I39A	Houston	34.73	351	eP	P	19 30 58.7	-2.1
I39A	Houston	34.73	351	P	P	19 30 58.8	-2.1
H43A	Windswept, Lux	34.90	356	eP	P	19 31 00.5	-1.7
H43A	Windswept, Lux	34.90	356	P	P	19 31 00.5	-1.7
OGNE	Ogalla	34.98	336	eP	P	19 31 03.9	+0.8
H42A	Shiocton	35.00	355	eP	P	19 31 01.2	-1.9
X16A	Lo Mia Camp, P	35.08	319	eP	P	19 31 04.8	+0.6
MVCO	Mesa Verde	35.16	325	eP	P	19 31 04.2	-0.7
H41A	Junction City	35.22	353	eP	P	19 31 03.1	-1.9
H41A	Junction City	35.22	353	P	P	19 31 03.0	-2.0
H40A	Chili	35.32	352	P	P	19 31 03.9	-1.9

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like FITZ, ASPA, Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MSW, Makushin Switc, UNV, etc.

Mh1 3.5/1,ms1mx2.6/23,Error ellipse: s-maj=71.1km s-min=30.6km az=45.0 NEIC 12:20:15:12.5-0.9,31.95S:179.49W,h79km,9km,mb4.7/2, Error ellipse: s-maj=17.6km s-min=9.4km az=118.0 IS/CJB 12:20:15:14.5-0.5,31.94S:0.05:179.6W,0.1,1.100km, mb4.6/2, Error ellipse: s-maj=15.3km s-min=4.4km az=19.6 WEL 12:20:15:17.2-0.6,32.56x17.9W,1.6,h33km,ML4.8/13 ISC 12:20:15:11.0-7.1,31.90S:0.08:179.7W,0.2,h100km,n41, c=209/44, Kermadec Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like Green Lake, Raoul Island, Matakaoa Point, etc.

DDA 12:20:45:25.5, 40.35N:42.26E, h7km, Ml2.8 ISK 12:20:45:25.8, 40.33N:42.33E, h8km, Ml2.1/5 ISC 12:20:45:25.9, 1.2, 40.35N:0.03:42.27E:0.04, h0km, 13km, n14, c=133/21, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like Senkaaya-Erzuru, Horasan, Eleskirt, etc.

IDC 12:20:46:20:1.2,8,18.49N:39.85E, h0km, mb3.5/3, mb1 3.5/3, mb1mp3.2/29, mbmp3.5/3, Error ellipse: s-maj=70.1km s-min=32.8km az=151.0, Red Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like Keskin Array B, Torodi Ar. Bea, Makanochi Array, etc.

NIED 12:21:10:00,27.70N:140.00E, h480km, Mw4.8 Best double couple: Mo:1.960000*1016 NP1:1.250000*, s26.00000*, -1.94.00000*. NP2:0.309.00000*, s64.00000*, -1.88.00000*.

ISC/JB 12:21:10:56.8-0.2,27.68N:0.02:139.80E:0.03, h497km, 2km, mb4.4/16, Error ellipse: s-maj=3.8km s-min=3.1km az=19.5 MOS 12:21:10:56.2-0.8,27.69N:139.71E, h480km, mb4.5/72, Error ellipse: s-maj=8.8km s-min=4.8km az=111.1 BUJ 12:21:10:56.4-0.2,27.53N:139.91E, h506km, mb4.7/52, mb4.8/35 JMA 12:21:10:57.1-0.3,27.74N:140.01E, h495km, 5km, M4.8 IDC 12:21:10:57.0-0.4,27.69N:139.76E, h479km, 4km, mb3.9/37, mb1 4.0/41, mb1mx4.0/52, mbmp4.8/41, Error ellipse: s-maj=8.5km s-min=5.4km az=90.0 NEIC 12:21:10:58.3-0.2,27.69N:139.76E, h492km, 2km, mb4.5/106, Error ellipse: s-maj=3.1km s-min=2.2km az=124.0 ISC 12:21:10:58.3-0.3,27.76N:0.04:139.76E:0.05, h492km, 3km, h492km, pP, N450, c19:22/551, mb4.5/201, 19C-12D, Bonin Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like Chichi jima, Haha-jima-NKT, Aogashimamukai, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like JHU, BSO1, JIE, JOD2, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like CN2, CN2, CN2, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like PETK, PEAT, SIJI, MYLDM, MYLDM, etc.

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

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Kaiserville, Mina Array Sit, Mina Array Bea, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Lobatse, Lobatse, Torodi Arr. Sit, etc.

IDC 12:21:22:36.4:1.8, 3.05N, 128.54E, h0km, mb3.5/3, mb1.3/7.4, mb1mx3.4/4.4, mbmp3.5/4, ML3.6/1, Error ellipse: s-maj=107.0km s-min=24.3km az=64.0, North of Halmahera

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Sorong, Warramunga Arr, ASAR, etc.

SJA 12:21:26:32.7:0.5, 23.56S, 68.24W, h137km, 14km, ML3.0, IWC 12:21:26:33.9:0.3, 23.56S, 68.24W, h130km, 2km, mb4.7/1.0, Error ellipse: s-maj=6.3km s-min=3.4km az=150.0

NEIC 12:21:26:37.2:0.5, 23.63S, 67.81W, h108km, 3km, mb4.9/10.2, MW4.6, ML5.1(GUC), Error ellipse: s-maj=6.8km s-min=3.9km az=78.0, Moment Tensor Solution, s14

Moment tensor: Scale 10^15Nm; Mr=5.06; Mw=2.59; Ms=7.65; Me=3.34; Mb=-0.21; Mv=5.35; Best double couple: Mo=9.20000e-10; NP1=334.00000; delta.00000; lambda.115.00000; NP2=208.00000; delta.00000; lambda.-41.00000; Principal axes: T 9.7000, Pgm21.0000; Az=833.0000; N 1.1800, Pgm23.0000; Az=343.0000; P -8.6000, Pgm58.0000; Az=211.0000; GUC 12:21:26:36.8:0.5, 23.49S, 68.35W, h156km, 5km, ML5.1

IDC 12:21:26:37.2:0.5, 23.48S, 67.73W, h139km, 4km, mb4.2/12, mb1.4/3/16, mb1mx4.2/2/7, mbmp4.6/16, MS2.9/1, Ms1.2/9.1, ms1mx2.6/2/2, Error ellipse: s-maj=15.9km s-min=12.2km az=72.0

ISC 12:21:26:36.3:0.4, 23.67S, 68.04E, h135km, 3km, h135km; p-P, n505, e1929/536, mb4.8/11.0, 9C-1D, northern Chile

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Limon Verde, IPOC Station, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Villa Florida, Nana, Nana, etc.

W53A	Cullowhee	60.23 346	P	P	21 36 29.6	-0.7	S46A	Don Dixon Farm	63.76 343	P	P	21 36 52.4	-1.3	N41A	Harden Midland	67.45 341	eP	P	21 37 16.5	-0.9
Y47A	UCPARC, Winfie	60.26 341	P	P	21 36 29.4	-1.0	U41A	Viola	63.79 339	P	P	21 36 53.0	-1.0	N41A	Harden Midland	67.45 341	P	P	21 37 16.0	-1.4
W52A	Murphy	60.34 345	eP	P	21 36 30.3	-0.7	WCI	Wyandotte Cave	63.90 344	eP	P	21 36 52.8	-1.8	M43A	Walden Townsh	67.60 343	P	P	21 37 17.0	-1.3
W52A	Murphy	60.34 345	P	P	21 36 30.3	-0.7	WCI	Wyandotte Cave	63.90 344	P	P	21 36 53.0	-1.6	K48A	Perry	67.77 347	P	P	21 37 18.2	-1.1
X49A	Woodville	60.40 343	P	P	21 36 30.4	-1.0	V39A	Pettigrew	63.93 337	P	P	21 36 54.6	-0.4	N40A	Merlquake, Sal	67.83 341	P	P	21 37 18.6	-1.1
X48A	Hartselle	60.54 342	eP	P	21 36 31.6	-0.8	Q50A	Georgetown	63.94 346	P	P	21 36 53.9	-1.0	K5U1	Kansas State U	67.90 336	P	P	21 37 19.2	-1.1
X48A	Hartselle	60.54 342	P	P	21 36 31.5	-0.8	T43A	Greenville	63.94 340	P	P	21 36 54.0	-0.9	M41A	Milan	67.98 342	P	P	21 37 19.5	-1.2
W51A	Cleveland	60.60 344	P	P	21 36 32.2	-0.6	MCWV	Mont Chateau	63.95 350	P	P	21 36 54.8	-0.2	K46A	Dorr	68.01 346	P	P	21 37 19.6	-1.2
V53A	Saluda	60.64 346	eP	P	21 36 31.9	-1.1	Q51A	Peebles	63.98 347	P	P	21 36 54.0	-1.1	N39A	Derby Farms, D	68.11 340	eP	P	21 37 20.6	-0.9
V53A	Saluda	60.64 346	P	P	21 36 32.3	-0.7	S45A	Carver Mills	63.99 342	P	P	21 36 54.0	-1.3	N39A	Derby Farms, D	68.11 340	P	P	21 37 20.5	-1.0
W50A	Signal Mountai	60.78 344	eP	P	21 36 33.4	-0.6	R47A	Wooly Knot Far	64.02 344	P	P	21 36 54.0	-1.4	LONY	Lake Ozonia	68.21 355	P	P	21 37 22.0	-0.1
W50A	Signal Mountai	60.78 344	P	P	21 36 33.3	-0.7	P53A	Whipple	64.04 349	eP	P	21 36 55.6	0.0	L43A	Garden Prairie	68.25 344	P	P	21 37 21.3	-1.1
CPCT	Cooper Cave	60.82 345	eP	P	21 36 33.8	-0.4	P53A	Whipple	64.04 349	P	P	21 36 55.1	-0.4	M40A	Post Highland	68.29 341	P	P	21 37 21.5	-1.1
X47A	Russelville	60.83 341	P	P	21 36 33.1	-1.2	U40A	Yellville	64.12 338	P	P	21 36 55.3	-0.9	L41A	Preston	68.62 342	P	P	21 37 23.3	-1.3
TKL	Tuckaleechee C	60.84 345	eP	P	21 36 33.5	-0.9	T42A	Van Buren	64.15 340	P	P	21 36 55.1	-1.2	K43A	Burlington	68.63 344	P	P	21 37 23.4	-1.2
W49A	Belvidere	60.95 343	P	P	21 36 34.1	-1.0	S44A	Carbondale	64.20 341	P	P	21 36 55.4	-1.2	DBIC	Dimbokro	68.66 72	P	P	21 37 24.4	-1.2
SWET	Sewanee	60.95 343	eP	P	21 36 34.4	-0.8	Q49A	Aurora	64.30 346	P	P	21 36 56.0	-1.3	ANMO	Albuquerque	68.71 327	eP	P	21 37 26.9	+1.2
V52A	Sevierville	60.98 346	eP	P	21 36 34.4	-0.9	P52A	Corning	64.32 348	P	P	21 36 56.3	-1.1	ANMO	Albuquerque	68.71 327	P	P	21 37 26.9	+1.2
V52A	Sevierville	60.98 346	P	P	21 36 34.2	-1.0	S43A	Fulton Ridge	64.33 341	P	P	21 36 56.3	-1.1	L40A	Amamosa	68.81 342	eP	P	21 37 25.4	-0.5
V51A	Loudon	61.12 345	P	P	21 36 35.2	-1.0	O56A	Blue Knob Stat	64.35 351	P	P	21 36 56.5	-1.1	L40A	Amamosa	68.81 342	P	P	21 37 25.4	-0.5
W48A	Pulaski	61.15 342	P	P	21 36 35.5	-1.0	U39A	Gre Forest	64.36 337	P	P	21 36 56.9	-0.8	CBKS	Cedar Bluff	68.86 334	P	P	21 37 26.3	0.0
V50A	Pikeville	61.17 344	P	P	21 36 35.9	-0.7	T41A	Mountain View	64.38 339	P	P	21 36 56.9	-0.9	K42A	Prairie Point,	68.96 343	P	P	21 37 26.0	-0.7
X45A	UM Field Stati	61.21 340	P	P	21 36 35.9	-1.0	Q48A	North Vernon	64.42 345	P	P	21 36 56.7	-1.3	TUC	Tucson	69.00 322	eP	P	21 37 28.6	+1.3
U53A	Fall Branch	61.26 347	P	P	21 36 36.0	-1.2	R45A	Skyler, Fairri	64.48 342	P	P	21 36 56.9	-1.5	TUC	Tucson	69.00 322	P	P	21 37 28.3	+1.0
OXF	Oxford	61.30 340	eP	P	21 36 36.5	-0.9	Q47A	Bedord North L	64.60 344	P	P	21 36 58.3	-0.8	K41A	Shullsburg	69.06 343	P	P	21 37 26.4	-0.9
OXF	Oxford	61.30 340	P	P	21 36 36.4	-1.0	P50A	Jamestown	64.64 347	P	P	21 36 58.4	-1.1	L39A	Vinton	69.09 341	P	P	21 37 26.6	-1.0
PLAL	Pickwick Lake	61.33 341	eP	P	21 36 36.4	-1.3	R44A	Waltonville	64.66 342	P	P	21 36 58.0	-1.6	J43A	Natural Harves	69.29 344	P	P	21 37 27.8	-0.9
W47A	Westpoint	61.44 342	P	P	21 36 37.2	-1.2	T40A	Mansfield	64.72 339	P	P	21 36 58.9	-1.2	JFWS	Jewell Farm	69.33 343	eP	P	21 37 28.0	-1.0
U52A	Thorn Hill	61.45 346	P	P	21 36 37.0	-1.5	S42A	Caledonia	64.73 340	P	P	21 36 58.8	-1.3	JFWS	Jewell Farm	69.33 343	P	P	21 37 28.3	-0.7
V49A	McMinnville	61.47 344	P	P	21 36 37.5	-1.1	O52A	Adamsville	64.73 348	eP	P	21 36 59.7	-0.3	K40A	Coltsburg	69.37 342	P	P	21 37 28.4	-0.9
W46A	Michie	61.56 341	P	P	21 36 37.7	-1.5	O52A	Adamsville	64.73 348	P	P	21 36 59.0	-1.1	K39A	Olwein	69.59 342	P	P	21 37 29.7	-1.0
U51A	La Follette	61.59 345	P	P	21 36 38.5	-0.9	P49A	Miami Univ. Ec	64.76 346	P	P	21 36 58.8	-1.4	J41A	Loganville	69.68 343	P	P	21 37 30.6	-0.6
BLA	Blacksburg	61.66 349	P	P	21 36 39.5	-0.4	TUL1	Leonard	64.79 335	P	P	21 36 59.8	-0.7	I43A	Langenfeld Bro	69.69 345	P	P	21 37 30.3	-1.0
V48A	Smith Brothers	61.69 343	eP	P	21 36 39.3	-0.7	FVM	French Village	64.81 341	eP	P	21 36 59.9	-0.7	I42A	Draeger Farm,	69.89 344	P	P	21 37 31.9	-0.5
V48A	Smith Brothers	61.69 343	P	P	21 36 39.2	-0.9	P48A	Milroy	64.86 345	P	P	21 36 59.2	-1.7	214A	Organ Pipe Nat	69.90 320	P	P	21 37 34.5	+1.6
U50A	Jamestown	61.82 345	P	P	21 36 39.8	-1.1	S41A	Jilico Farms,	64.87 339	P	P	21 37 00.2	-0.8	L36A	Harm Buss Farm	69.90 339	P	P	21 37 31.9	-0.6
JCT	Junction City	61.84 329	eP	P	21 36 41.5	+0.3	T39A	Cleves	64.90 338	P	P	21 37 00.5	-0.7	J40A	Soldiers Grove	69.91 343	P	P	21 37 31.8	-0.7
JCT	Junction City	61.84 329	P	P	21 36 41.1	-0.1	O51A	Pataskala	64.91 348	P	P	21 37 00.0	-1.2	J39A	Decorah	70.12 342	P	P	21 37 32.9	-0.9
V47A	Nunnally	61.96 342	P	P	21 36 40.5	-1.3	R43A	Red Bud	64.94 341	P	P	21 37 00.8	-0.6	H43A	Winsewept, Lux	70.16 345	P	P	21 37 33.1	-0.9
R58B	Mineral	61.99 351	P	P	21 36 41.9	-0.1	WMOK	Wichita Mounta	64.98 332	P	P	21 37 00.8	-0.9	K37A	Belmond	70.18 340	P	P	21 37 33.5	-0.8
WHTX	Lake Whitney,	62.06 332	P	P	21 36 42.3	-0.3	Q45A	Warren Harvey	65.01 343	P	P	21 37 00.4	-1.4	K36A	Gilmore City	70.31 340	P	P	21 37 35.1	0.0
T52A	Hallie	62.06 347	P	P	21 36 41.9	-0.6	ACSO	Alum Creek Sta	65.07 347	P	P	21 37 01.1	-1.0	I40A	Norwalk	70.33 343	P	P	21 37 34.5	-0.6
V46A	Holladay	62.11 342	P	P	21 36 41.1	-1.7	P47A	Martinsville	65.08 345	P	P	21 37 00.5	-1.8	H42A	Shiocton	70.38 345	P	P	21 37 34.9	-0.4
T51A	Gray	62.13 346	P	P	21 36 42.0	-1.0	O50A	Cable	65.11 347	P	P	21 37 01.2	-1.3	SDCO	Great Sand Dun	70.48 329	eP	P	21 37 37.8	+1.1
U49A	Red Boiling Sp	62.14 344	P	P	21 36 42.0	-1.1	CCM	Cathedral Cave	65.13 340	eP	P	21 37 02.2	-0.4	SDCO	Great Sand Dun	70.48 329	P	P	21 37 37.7	+1.1
WVT	Waverly	62.33 342	eP	P	21 36 43.1	-1.2	CCM	Cathedral Cave	65.13 340	P	P	21 37 01.7	-0.9	BGNE	Belgrade	70.49 336	eP	P	21 37 36.4	+0.2
WVT	Waverly	62.33 342	P	P	21 36 43.2	-1.2	R42A	Luebbering	65.20 340	P	P	21 37 02.3	-0.8	BGNE	Belgrade	70.49 336	P	P	21 37 36.3	+0.1
U48A	Cassie Pea, Po	62.34 343	P	P	21 36 43.5	-0.9	T38A	Diamond	65.23 337	P	P	21 37 02.9	-0.4	H41A	Junction City	70.75 344	P	P	21 37 36.8	-0.9
T50A	Nancy	62.39 345	P	P	21 36 43.7	-1.0	N54A	Moraine State	65.24 350	P	P	21 37 03.0	-0.3	G43A	Wallace	70.88 345	P	P	21 37 37.5	-0.9
U47A	Clarksville	62.47 343	P	P	21 36 43.9	-1.3	Q44A	Meyer Farm, Va	65.25 342	P	P	21 37 02.3	-1.1	X16A	Lo Mia Camp, P	70.93 323	eP	P	21 37 40.9	+1.7
T49A	Edmonton	62.64 344	eP	P	21 36 45.3	-1.1	O49A	Covington	65.31 346	P	P	21 37 02.5	-1.3	D53A	Lac Vache, Po	70.95 353	P	P	21 37 38.2	-0.6
T49A	Edmonton	62.64 344	P	P	21 36 45.2	-1.1	R41A	Rosebud	65.40 340	P	P	21 37 03.7	-0.7	H40A	Chili	70.95 343	P	P	21 37 38.0	-0.9
U46A	Springville	62.64 342	P	P	21 36 45.2	-1.1	S39A	Bolivar	65.48 338	eP	P	21 37 04.5	-0.4	G42A	Mountain	71.04 345	eP	P	21 37 38.9	-0.5
S51A	Beattyville	62.70 346	P	P	21 36 45.7	-1.0	S39A	Bolivar	65.48 338	P	P	21 37 04.5	-0.4	G42A	Mountain	71.04 345	P	P	21 37 38.7	-0.7
MIAR	Mount Ida	62.75 336	eP	P	21 36 46.7	-0.4	Q43A	New Douglas	65.48 342	P	P	21 37 03.6	-1.3	S22A	4UR Ranch, Cre	71.11 328	P	P	21 37 41.3	+0.9
MIAR	Mount Ida	62.75 336	P	P	21 36 46.7	-0.4	P45A	Graceand, Par	65.49 343	P	P	21 37 03.3	-1.7	F44A	Big Bay de Noc	71.28 347	P	P	21 37 40.0	-0.8
TXAR	Lajitas Array	62.83 325	P	P	21 36 48.2	+0.4	O48A	Par	65.55 346	P	P	21 37 04.2	-1.1	Q24A	Divide	71.31 330				

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BC3 Big Chuckwall, PV22 Blue Mesa, MONP2 Monument Peak, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like J08A Circle Bar, M02D Trinity Center, M04C Macdoel, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MKAR Makanchi Array, ARCES ARCES Array, FINES FINES Array, etc.

NTC	baz=117	eS	Sn	22 38 24.6	-0.6
NTST	Danshui baz=317	0.24 326	eP	Pn	22 38 15.5 -0.1
NTST	baz=317	eS	Sn	22 38 25.3	0.0
ILA	Ilan baz=149	0.24 146	eP	Pn	22 38 15.5 -0.1
ILA	baz=149	eS	Sn	22 38 25.0	-0.3
TWE	Neicheng baz=169	0.25 166	iP	Pn	22 38 15.4 -0.2
TWE	baz=169	S	Sn	22 38 24.5	-0.9
TWY	Chenhua	0.31	0iP	Pn	22 38 15.8 -0.1
TWY			iS	Pn	22 38 25.5 -0.3
EGS		0.33 112	iP	Pn	22 38 16.0 0.0
ENTT	Nioudou baz=105 baz=198	0.33 185	iP	Pn	22 38 15.8 -0.2
ENTT	baz=198	eS	Sn	22 38 24.9	-1.2
WLTB	Daxi baz=254	0.33 250	iP	Pn	22 38 16.2 +0.2
WLTB	baz=254	S	Sn	22 38 25.8	-0.3
TWB1	Santiao Chiao baz=79	0.36 83	iP	Pn	22 38 16.0 -0.1
TWB1	baz=79	eS	Sn	22 38 25.6	-0.7
YHNB	Yeheng baz=230	0.36 215	iP	Pn	22 38 15.9 -0.3
YHNB	baz=230	S	Sn	22 38 25.0	-1.5
NSK	Sanguang baz=229	0.36 217	iP	Pn	22 38 16.0 -0.3
NSK	baz=229	eS	Sn	22 38 24.9	-1.7
NCU	National Center baz=272	0.37 271	iP	Pn	22 38 16.4 +0.1
NCU	baz=272	S	Sn	22 38 26.5	-0.1
NCUH	Zhongli baz=272	0.38 270	iP	Pn	22 38 16.4 +0.2
NCUH	baz=272	eS	Sn	22 38 26.3	-0.3
TWC	Suao baz=149	0.42 147	iP	Pn	22 38 16.6 0.0
TWC	baz=149	eS	Sn	22 38 26.5	-0.6
ENAH	Nanao baz=171	0.55 159	eP	Pn	22 38 17.1 -0.5
ENA	Nanao baz=175	0.55 166	eP	Pn	22 38 17.1 -0.5
ENA	baz=175	eS	Sn	22 38 27.7	-1.2
NANB	Nanao baz=175	0.55 166	iP	Pn	22 38 17.0 -0.6
NANB	baz=175	eS	Sn	22 38 27.9	-1.0
NNS	Nan Shan baz=204	0.56 201	iP	Pn	22 38 17.6 -0.2
NNS	baz=204	eS	Sn	22 38 28.3	-1.0
NNSB	Datong baz=204	0.57 200	iP	Pn	22 38 17.7 -0.2
NNSB	baz=204	eS	Sn	22 38 28.2	-1.2
SBCB	Hsinchu baz=255	0.58 253	iP	Pn	22 38 18.1 +0.2
SBCB	baz=255	S	Sn	22 38 29.4	0.0
HSN	Hsinchu baz=251	0.59 254	P	Pn	22 38 17.8 -0.1
HSN	baz=251	S	Sn	22 38 28.7	-0.8
LIQB	Emei baz=242	0.62 239	iP	Pn	22 38 18.3 +0.1
LIQB	baz=242	eS	Sn	22 38 29.5	-0.5
EOS1	EOS1 baz=126	0.64 131	eP	Pn	22 38 18.6 +0.4
EOS1	baz=126	eS	Sn	22 38 31.5	+1.5
NSTT	Nanjuang baz=241	0.64 239	iP	Pn	22 38 18.4 0.0
NSTT	baz=241	eS	Sn	22 38 29.4	-0.8
PCYT	Pengchayiu baz=38	0.79 33	eP	Pn	22 38 20.1 +0.3
PCYT	baz=38	eS	Sn	22 38 32.0	-0.7
NACB	Ninganchiao baz=178	0.79 180	iP	Pn	22 38 18.6 -1.2
NACB	baz=178	S	Sn	22 38 30.8	-2.0
TWT	Tachien baz=218	0.81 209	iP	Pn	22 38 20.7 +0.4
TWT	baz=218	eS	Sn	22 38 33.3	-0.2
TDCB	Techi baz=218	0.81 210	iP	Pn	22 38 20.5 +0.3
TDCB	baz=218	eS	Sn	22 38 32.7	-0.9
NMLH	Miaoili baz=242	0.85 240	P	Pn	22 38 20.8 +0.4
NMLH	baz=242	S	Sn	22 38 33.8	-0.1
WHF	Hehuan Shan baz=208	0.87 200	iP	Pn	22 38 21.6 +0.4
WHF	baz=208	eS	Sn	22 38 35.2	0.0
TWD	Chiawan baz=182	0.88 180	iP	Pn	22 38 19.5 -1.3
TWD	baz=182	eS	Sn	22 38 32.8	-1.8
NSY	Sanyi baz=242	0.94 234	iP	Pn	22 38 21.9 +0.4
NSY	baz=242	eS	Sn	22 38 33.9	-1.8
TWQ1	Liyutan baz=239	0.97 231	iP	Pn	22 38 22.0 +0.2
TWQ1	baz=239	S	Sn	22 38 36.0	-0.4
CHGB	Renai baz=212	0.98 203	iP	Pn	22 38 22.6 +0.4
CHGB	baz=212	eS	Sn	22 38 36.6	-0.3
HWA	Hwallien baz=181	0.98 180	eP	Pn	22 38 21.4 -0.6
ESL	Shilin baz=181	1.16 188	eP	Pn	22 38 22.4 -1.6
TCU	Taichung baz=227	1.17 226	eP	Pn	22 38 24.2 +0.1
SMLT	Sun Moon Lake baz=216	1.25 211	iP	Pn	22 38 25.5 +0.2
SMLT	baz=216	eS	Sn	22 38 42.7	+0.3
TYC	Yuchr baz=217	1.25 213	iP	Pn	22 38 25.5 +0.4
TYC	baz=217	eS	Sn	22 38 42.1	-0.1
WCHH	Zhanghua baz=228	1.29 227	eP	Pn	22 38 25.7 +0.1
WCHH	baz=228	eS	Sn	22 38 43.7	+0.6
EGFH	Guangfu baz=182	1.30 187	eP	Pn	22 38 24.8 -0.9
SSLB	Suanguang baz=208	1.31 207	iP	Pn	22 38 26.1 +0.2
SSLB	baz=208	S	Sn	22 38 42.9	-0.6
JYNG	Yongunijimaku baz=228	1.33 112	P	Pn	22 38 26.2 +0.2
JYNG	baz=228	S	Sn	22 38 44.3	+0.5
YOJ	Yonguniji baz=108	1.38 111	eP	Pn	22 38 26.6 -0.1
YOJ	baz=108	eS	Sn	22 38 44.9	0.0
YOJ	Yonguniji baz=216	1.38 111	P	Pn	22 38 26.9 +0.3
YOJ	baz=216	eS	Sn	22 38 45.0	+0.1
WJS	Zhushan baz=216	1.39 215	eP	Pn	22 38 27.2 +0.4
WJS	baz=216	eS	Sn	22 38 45.3	+0.1
EHY	Hungye baz=184	1.48 190	eP	Pn	22 38 26.8 -1.1

HGSD	Ruisui baz=188	1.48 186	eP	Sn	22 38 27.2	-0.7
HGSD	baz=188	eS	Sn	22 38 46.5	-0.6	
RLNB	Erlin baz=228	1.56 227	eP	Pn	22 38 28.6	-0.3
RLNB	baz=228	eS	Sn	22 38 48.7	-0.2	
YUS	Yu-Shan baz=207	1.58 202	iP	Pn	22 38 30.3	+0.6
YUS	baz=207	eS	Sn	22 38 29.5	+0.2	
WGK	Gukeng baz=217	1.59 217	eP	Sn	22 38 51.2	+1.5
WGK	baz=217	eS	Sn	22 38 27.9	-1.5	
YULB	Yu-li baz=184	1.59 190	eP	Pn	22 38 27.9	-1.5
YULB	baz=184	eS	Sn	22 38 48.3	-1.5	
WDLH	Douliu baz=218	1.60 218	eP	Pn	22 38 29.7	+0.2
WDLH	baz=218	eS	Sn	22 38 51.4	+1.5	
CHN5	Tsauling baz=213	1.60 212	iP	Pn	22 38 29.8	+0.3
CHN5	baz=213	eS	Sn	22 38 50.0	-0.1	
ALS	Alshan baz=207	1.62 207	iP	Pn	22 38 30.3	+0.3
ALS	baz=207	eS	Sn	22 38 50.7	-0.2	
WTCT	Ta-cheng baz=222	1.63 228	eP	Pn	22 38 29.5	-0.3
WTCT	baz=222	eS	Sn	22 38 50.7	+0.2	
TWF1	Yuli baz=184	1.63 190	eP	Pn	22 38 27.9	-2.0
PTTC	Pingtang baz=287	1.74 288	iP	Pn	22 38 30.4	-0.8
CHN2	Minshiang baz=217	1.76 216	eP	Pn	22 38 31.7	+0.2
CHN2	baz=217	eS	Sn	22 38 53.6	+0.1	
FULB	Fuli baz=190	1.78 189	eP	Pn	22 38 31.1	-0.8
FULB	baz=190	eS	Sn	22 38 55.1	+0.9	
CHY	Chiayi baz=225	1.81 217	eP	Ch	22 38 32.3	+0.1
WSF	Szhu baz=224	1.82 224	eP	Pn	22 38 31.9	-0.4
WSF	baz=224	eS	Sn	22 38 55.1	0.0	
ELDTW	Lidau baz=188	1.85 197	eP	Pn	22 38 33.2	-0.5
CHN4	Tsauhshan baz=210	1.85 210	eP	Pn	22 38 32.3	+0.5
CHN4	baz=210	eS	Sn	22 38 56.0	+0.2	
CHKT	Chengkung baz=177	1.87 187	eP	Pn	22 38 34.0	+1.1
TPUB	Ta-pu baz=208	1.88 208	eP	Pn	22 38 33.2	+0.1
WLBG	Puzi baz=220	1.90 219	eP	Pn	22 38 33.3	0.0
WLBG	baz=220	eS	Sn	22 38 57.6	+0.8	
MATB	Ma-tsu baz=307	1.90 309	eP	Pn	22 38 32.6	-0.7
WTP	Ta-pu baz=208	1.93 208	eP	Pn	22 38 33.9	0.0
WTP	baz=208	eS	Sn	22 38 57.4	-0.4	
VWUC	VWUC baz=270	1.95 271	iP	Pn	22 38 33.5	-0.4
STYT	Tauyuan baz=211	1.95 203	eP	Pn	22 38 34.5	+0.4
STYT	baz=211	eS	Sn	22 38 58.0	-0.2	
TWK	Hsinying baz=211	1.97 211	eP	Pn	22 38 34.5	+0.2
TWK	baz=211	eS	Sn	22 38 58.6	0.0	
IRIF	Iriomote-Funau baz=219	2.04 108	P	Pn	22 38 34.9	-0.2
IRIF	baz=219	S	Sn	22 39 00.2	+0.1	
CHN8	Yiju baz=219	2.05 218	eP	Pn	22 38 35.1	-0.2
CHN8	baz=219	eS	Sn	22 39 00.9	+0.5	
TWG	Pinlang baz=183	2.19 193	eP	Pn	22 38 37.1	0.0
TWGBT	Beinan baz=183	2.19 193	eP	Pn	22 38 36.8	-0.4
SCLT	Jiali baz=216	2.20 216	eP	Pn	22 38 39.2	+2.0
PTMZ	Houxiangcun baz=271	2.25 272	iP	Pn	22 38 37.4	-0.5
LYJJ	Jianjiangzhen baz=312	2.29 314	eP	Pn	22 38 37.5	-0.9
JKRS	Kuro-shima baz=312	2.31 108	P	Pn	22 38 39.2	+0.5
JKRS	baz=312	S	Sn	22 39 06.4	0.1	
PNG	Penghu baz=233	2.33 234	eP	Pn	22 38 38.3	-0.7
PNG	baz=233	eS	Sn	22 39 04.9	-2.0	
XPSS	Dashiqliu baz=326	2.33 327	iP	Pn	22 38 38.2	-0.8
PHUB	Peng-hu baz=232	2.35 232	iP	Pn	22 38 38.5	-0.8
PHUB	baz=232	eS	Sn	22 39 04.8	-2.6	
SSD	Sandimen baz=209	2.38 202	eP	Pn	22 38 40.0	+0.3
JJU	Ishigaki jima baz=209	2.39 104	P	Pn	22 38 39.8	0.0
JJU	baz=209	S	Sn	22 39 08.3	-0.1	
WDGT	Dungji baz=234	2.45 227	eP	Pn	22 38 39.7	-0.9
JISG	Ishigakijimahi baz=234	2.49 98	P	Pn	22 38 41.6	+0.5
JISG	baz=234	S	Sn	22 39 11.6	+0.7	
MASBT	Mashibuluo baz=209	2.50 201	eP	Pn	22 38 41.4	0.0
MASBT	baz=209	eS	Sn	22 39 10.3	-0.9	
MHZQ	Yeshan baz=294	2.58 296	iP	Pn	22 38 41.5	-0.8
VCHM	Qimei baz=229	2.64 229	iP	Pn	22 38 42.6	-0.5
VCHM	baz=229	eS	Sn	22 39 13.1	-1.4	
OZH	Quanzhou baz=229	2.73 270	iP	Pn	22 38 43.8	-0.5
OZH	baz=229	sPn	sPn	22 39 13.7	+7.4	
OZH	comp=N,69nm,0.7s	smax	smax	22 39 20.1	+3.6	
SCZT	Fangliu baz=207	2.73 199	eP	Pn	22 38 45.3	+0.9
JTJ	Tarama baz=286	2.84 96	eS	Sn	22 39 20.1	+1.0
KNM	Kimmen baz=258	2.93 260	eP	Pn	22 38 47.9	+0.9
KNMB	Chin-men Tao baz=259	2.96 261	eP	Pn	22 38 46.6	-0.8
ZJZH	Jiuhuzhen baz=261	3.64 263	eP	Pn	22 38 56.2	-0.4
ZPLA	Ao Xicun baz=253	3.66 254	eP	Pn	22 38 56.9	+0.1

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, WRA Alice Springs, ASAR Alice Springs, MKAR Makanchi Array, ZALV Zalesovo Beam.

IDC 13 01:24:49.0,0.6,16.98N:99.99W, h0km, mb4.3/1.4, mb1.4/4.16, mb1mx4.3/36, mbmt4.2/16, ML3.4/2, MS3.6/8, Ms1.3/6.8, ms1mx3.3/24, Error ellipse: s-maj=32.3km s-min=14.4km az=67.0

ISCJB 13 01:24:52.0,0.6,16.87N:0.03:100.20W:0.02, h26km, 3km, mb4.1/109, MS3.6/2, Error ellipse: s-maj=4.7km s-min=3.1km az=19.4

NEIC 13 01:24:52.0,0.0,16.85N:100.32W, h5km, mb4.4/1.6, MD4.6(MEX), After MEX. NEIC Feit at Acapulco, Chignahuancingo and Coyuca. MEX 13 01:24:52.6,1.1,16.85N:100.32W, h5km, MD4.6

ISC 13 01:24:52.0,0.8,16.86N:0.04:100.32W:0.04, h15km, 4km, n381, s1944/395, mb4.5/1.10, Near coast of Guerrero

Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists numerous stations across Mexico and Central America.

Continuation of station list table, including stations like TUIG Zacatepec, ZAIK Zacatecas, TGIG Zacatecas, PCIG Comitan, etc.

Main station list table for 2012 OCT, including stations like AMTC Amarillo, TUC Tucson, Y41A Eaglette Beard, X39A Fountain Ranch, etc.

Main station list table for 13d 1h, including stations like X49A Woodville, MONP Monument Peak, S39A Bolivar, S39A Bolivar, etc.

Table with columns: Code, Station Name, Az, El, AzE, Phase, ID, Time, Res, ISC. Rows include stations like R45A Skylar, U50A Jamestown, S00 San Rafael Swe, EDW2 Edwards Air Fo, MSU Marysval, T49A Edmont, V52A Sevierville, V52A Sevierville, LRMC Laurel Mtn Rad, O20A White River Ci, O20A White River Ci, U51A La Follette, S48A Wiedeman Farm, P42A Winchester, P18A Preston Nutter, TMUT Trail Mountain, T50A Nancy, NHSC New Hope, NHSC New Hope, CSU Charleston Sou, V53A Saluda, V53A Saluda, FURC Furnace Creek, N23A Red Feather La, N23A Red Feather La, MPMC Manual Prospec, TPNV Topopah Spring, TPNV Topopah Spring, TZNZ Tazewell, TZNZ Tazewell, PSUT Pine Spring, ISA Isabella, Lake, ISA Isabella, Lake, N39A Derby Farms, D, N39A Derby Farms, D, KMSC Kings Mountain, KMSC Kings Mountain, S50A Richmond, S50A Cottonwood Cre, MPU Maple Canyon, GRAC Grapevine Rang, NLU North Lily Min, VES Vestal, Richgr, R11A Troy Canyon, C, R11A Troy Canyon, C, T52A Hallie, S51A Beattyville, S51A Beattyville, SMMC Simmler, DUG Dugway, Tooele, DUG Dugway, Tooele, O45A Potomac, TCUT Toone Canyon, BGU Big Grassy Mou, MDPB Devils Postpil, HWUT Hardware Ranch, NV11 Mina Array Sit, NV01 Mina Array Sit, NVAR Mina Array Bea, NVAR Mina Array Bea, O48A Farmland, BLA Blackburg, RYN Ryan, ECSD EROS Data Cent, BW06 Boulder Array, PD31 Pinedale Array, PDAR Pinedale Array, PDAR Pinedale Array, PDAR Pinedale Array, PDAR Pinedale Array, KVN Kaiserville, Q52A Bidwell, Q52A Otavalo, POPC Popayan, Colom, WAKR Walker, CMB Columbia Colle, SOTA Sotablanco, PCON Cinco Días, PCON Red Top Meadow, VCNR Virginia City, TPAW Teton Pass, LOHW Long Hollow, FXWY Fox Creek, BEKR Beckworth, BEKR Beckworth, ORV Oroville, HLID Hailey

Table with columns: Code, Station Name, Az, El, AzE, Phase, ID, Time, Res, ISC. Rows include stations like HLID Hailey, SDV Santo Domingo, LDM Dillon, J08A Circle Bar Ran, BMO Blue Mountains, G08A Pilot Rock, E09A Wood Farm Sta, ULM Lac du Bonnet, F05D White Sulphur, LTY Liberty, SAML Samuel, LPAZ La Paz, YKA Yellowknife Arr, YKBS Yellowknife Arr, DLBC Dease Lake, LVC Limon Verde, LCO Las Campanas, EGAK Eagle, INK Inuvik, PAX Paxson, RIDG Ridge, HDA Harding Lake, HDA Harding Lake, ILI Eielson Array, ILAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, ILB Eielson Array, WRH Wood River Hill, TRF Thorofare Moun, MDM Murphy Dome, RES Resolute Bay, CPUP Villa Florida, CPUP Villa Florida, PLCA Paso Flores, PLCA Paso Flores, TRQA Torquist, SUMG Summit, DAG Danmarks Havn, S5Y Seymchan, PETK Petropavlovsk, ESDC Souda Array, ES19 SONSECA Array, NOA NORSEAR Array, NOA NORSEAR Array, TIXI Tiksi, TIXI Tiksi, MAW Mawson, WRAB Tennant Creek, WRAB Warramunga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, HYB Hyderabad, IDC 13 01:33:16.12,0.46,55N x 152.52E, h0km, mb4.0/0.5, mb1.4/1.6, mb1mx3.6/37, mbtmp3.9/6, Error ellipse: s-maj=56.7km s-min=33.7km az=20.0, Kuri Islands, PETK Petropavlovsk, H1N2 WAKE ISLAND Hy 29.24 151, H1N1 WAKE ISLAND Hy 29.25 151, H1N3 WAKE ISLAND Hy 29.25 151, H1S1 WAKE ISLAND Hy 30.32 153, H1S3 WAKE ISLAND Hy 30.33 153, H1S2 WAKE ISLAND Hy 30.44 153, FINES FINESSE Array B, PDAR Pinedale Array, NB2 NORSEAR Subarra, NOA NORSEAR Array B, AKASO Malin Array Be, TXAR Lajitas Array, PLCA Paso Flores, DDA 13 01:55:09.9, 39.80N-43.63E, h7km, ML2.7, ISK 13 01:55:09.2, 39.78N-43.61E, h3km, ML2.3/9, ISC 13 01:55:10.0, 1.1, 39.79N-0.03, 43.63E, h4km, 10km, n18, r1501/30, Turkey, DYDN Dyadin, IGDY IGDY, IGDY IGDY, TASS TASBURUN-IGDIR, TASS TASBURUN-IGDIR, AGRB Hanur-Agry, AGRB Hanur-Agry, CLDR Caldiran, CLDR Caldiran, CLDR Caldiran, TUTA Tutak, TUTA Tutak, VMUR Van-Muradiye, VMUR Van-Muradiye, EATA Eleskirt, EATA Eleskirt, EAK Akykya, EAK Akykya, GNI Garni

Table with columns: Code, Station Name, Az, El, AzE, Phase, ID, Time, Res, ISC. Rows include stations like KARS Kars, SENK Senkaya-Erzuru, EKAR Karacoban, HOKI Horasan, HOKI Horasan, GURO Guyromak-BITLI, VRTB Varto-Mus, YEDI Yedisu-Bingol, ISC 13 02:11:49.0, 0.6, 24.05S x 0.06, 66.82W, h200km, mb3.3/1, Error ellipse: s-maj=10.3km s-min=5.9km az=141.8, SJA 13 02:11:48.0, 0.7, 24.06S x 66.79W, h212km, 5km, ML2.5, MW2.5, IDC 13 02:11:54.2, 10.2, 23.61S x 66.54W, h236km, 79km, mb3.2/1, mb1.3/0.2, mb1mx2.8/16, mbtmp3.5/2, Error ellipse: s-maj=125.0km s-min=77.2km az=43.0, ISC 13 02:11:48.9, 1.0, 24.04S x 0.07, 66.82W, h200km, n12, r0584/16, Salta Province, Code, Station Name, Az, El, AzE, Phase, ID, Time, Res, ISC. Rows include stations like SLA SLA, SLA SLA, HJA Humahuaca, HJA Humahuaca, AZAP Zapla, AZAP Zapla, FSA Cafayete, FSA Cafayete, FSA Yavi, FSA Yavi, LVC Limon Verde, LVC Limon Verde, ALOL LOMAS DE OLMED, ALOL LOMAS DE OLMED, AHML Horco Molle, AHML Horco Molle, PB10 IPOC Station P, LPAZ La Paz, LPAZ La Paz, TORO Torodi Ar. Bea, MKAR Makanchi Arr, NNC 13 02:12:13.8, 3.5, 44.32N x 82.88E, h0km, mb2.6, mpv2.2, Error ellipse: s-maj=36.1km s-min=9.0km az=117.0, SOME 13 02:12:15.3, 44.35N x 82.93E, h20km, ISC 13 02:12:16.2, 2.2, 44.35N x 82.92E, h0.1, h17km, n9, r1943/15, 4C-2D, Northern Xinjiang, Code, Station Name, Az, El, AzE, Phase, ID, Time, Res, ISC. Rows include stations like DJR Jarkent, DJR Jarkent, MK31 Makanchi Arr, MK31 Makanchi Arr, MAK2 Makanchi, MAK2 Makanchi, PDGK Podgornoye, PDGK Podgornoye, PDGK Podgornoye, KAPS Kapalarasan, KAPS Kapalarasan, SHLS Shalkode, SHLS Shalkode, SHLS Shalkode, UZB Uzunbulak, UZB Uzunbulak, UZB Uzunbulak, KPZ Kokpek, KPZ Kokpek, KPZ Kokpek, KPKS Kapsal, KPKS Kapsal, MNBS Baschi, MNBS Baschi, MNBS Baschi, NIED 13 02:21:00.35, 30N x 135.70E, h20km, Mw3.5, Best double couple: M2.120000*1014, NP1:3031.00000*, 861.00000*, 1.17.00000*, NP2:2215.00000*, 875.00000*, 1.150.00000*, IDC 13 02:21:01.1, 1.5, 35.05N x 135.75E, h0km, mb3.5/2, mb1.3/7.3, mb1mx3.3/34, mbtmp3.5/3, ML2.9/1, Error ellipse: s-maj=27.0km s-min=16.5km az=140.0, ISC 13 02:21:02.3, 0.6, 35.25N x 135.66E, h0.4, h7km, 6km, mb3.4/2, Error ellipse: s-maj=6.0km s-min=5.0km az=157.1, JMA 13 02:21:02.7, 0.7, 35.66E, h13km, 1km, M3.8, Broadband fault plane solution: P waves. NP1: 0.229.00000*, 869.00000*, 1.143.00000*. NP2: 0.314.00000*, 856.00000*, 1.26.00000*. Principal axes: T P1g41.00000*, Azm167.00000*, N P1g48.00000*, Azm3.00000*, P P1g8.00000*, Azm264.00000*, JMA Fell II J1, ISC 13 02:21:02.3, 1.1, 35.23N x 135.67E, h0.03, h11km, 9km, n11, r0981/18, 1C-5D, Western Honshu, Code, Station Name, Az, El, AzE, Phase, ID, Time, Res, ISC. Rows include stations like JWT Wachi, JWT Wachi, JWT Wachi, JFM Mihama, JFM Mihama, JHE Heguri, JHE Heguri, JKY Yasaka, JKY Yasaka, JKS Kasai, JKS Kasai, JKS Tsu, JKS Tsu, JMS Tsu, JMS Tsu, JKM Kasumi, JKM Kasumi, MAT Matsushiro, MAT Matsushiro, MAT Matsushiro, MAT Matsushiro, MJAR Matsushiro, MJAR Matsushiro, MJAR Matsushiro, SONM Songo Arr, WRA Warramunga Arr

PYLO	Lourdes	0.10	83	Pg	Pg	04 33 47.3 +0.1
PYLO	Lourdes			Sg	Sg	04 33 49.2 -0.2
PYLO	Lourdes	0.10	83	S	S	04 33 47.3 +0.1
PYLO	Lourdes			S	S	04 33 49.2 -0.2
REYF	Montagne du Re	0.15	264	Pg	Pg	04 33 47.6 -0.2
REYF	Montagne du Re	0.15	264	S	S	04 33 47.8 0.0
REYF	Montagne du Re			P	P	04 33 50.3 -0.1
REYF	Montagne du Re			S	S	04 33 48.4 0.0
LABF	Labassere	0.20	101	Pg	Pg	04 33 48.4 0.0
LABF	Labassere	0.20	101	S	S	04 33 51.4 -0.1
LABF	Labassere			P	P	04 33 48.7 -0.6
LABF	Labassere			S	S	04 33 48.9 -0.5
VIEF	View	0.26	142	Pg	Pg	04 33 52.0 -1.2
VIEF	View	0.26	142	S	S	04 33 50.4 -0.2
VIEF	View			P	P	04 33 54.5 -0.8
VIEF	View			S	S	04 33 50.4 -0.2
ETSF	Etsaut	0.33	236	ePg	ePg	04 33 54.5 -0.8
ETSF	Etsaut			S	S	04 33 50.4 -0.2
ETSF	Etsaut	0.33	236	Pg	Pg	04 33 54.5
ETSF	Etsaut			S	S	04 33 50.4 -0.2
ETSF	Etsaut	0.33	236	Pg	Pg	04 33 54.5 -0.8
ATE	Arette	0.37	270	Pg	Pg	04 33 51.5 +0.1
ATE	Arette			S	S	04 33 51.5 +0.1
ATE	Arette			P	P	04 33 51.5 +0.1
ATE	Arette			S	S	04 33 57.1 +0.5
EPF	Esparrros	0.39	98	ePg	ePg	04 33 51.8 +0.1
EPF	Esparrros			S	S	04 33 57.0 -0.1
EPF	Esparrros	0.39	98	Pg	Pg	04 33 51.8 +0.1
EPF	Esparrros			S	S	04 33 57.0
EPF	Esparrros	0.39	98	Pg	Pg	04 33 51.8 +0.1
EPF	Esparrros			S	S	04 33 57.0 -0.1
EPF	Esparrros	0.39	98	Pg	Pg	04 33 51.8 +0.1
EPF	Esparrros			S	S	04 33 57.0 -0.1
FMON	Montouss	0.44	93	Pg	Pg	04 33 52.9 +0.3
FMON	Montouss			S	S	04 33 59.5 +0.8
RESF	Ens	0.48	125	Pg	Pg	04 33 53.0 -0.3
RESF	Ens			S	S	04 33 59.6 -0.1
RESF	Ens	0.48	125	Pg	Pg	04 33 53.1 -0.2
RESF	Ens			S	S	04 33 59.8 0.0
ECHI	Chisagues Biel	0.51	146	Pg	Pg	04 33 53.3 -0.5
ECHI	Chisagues Biel			S	S	04 33 59.6
ECHI	Chisagues Biel	0.51	146	Pg	Pg	04 33 53.3 -0.5
ECHI	Chisagues Biel			S	S	04 33 59.6
ORDF	Ordiarp	0.56	283	Pg	Pg	04 33 55.0 +0.2
ORDF	Ordiarp			S	S	04 34 04.0 +1.7
ORDF	Ordiarp	0.56	283	Pg	Pg	04 33 55.4 +0.1
ORDF	Ordiarp			S	S	04 34 04.0 +0.9
LARF	Larrau	0.59	266	Pg	Pg	04 33 57.5 -0.4
LARF	Larrau			S	S	04 33 57.5 -0.4
LARF	Larrau	0.59	266	Pg	Pg	04 34 07.0 -0.6
LARF	Larrau			S	S	04 33 58.6 +0.1
MELF	Melles	0.73	107	Pg	Pg	04 34 07.0 -0.6
MELF	Melles	0.73	107	Pg	Pg	04 33 58.6 +0.1
MELF	Melles			S	S	04 34 09.6 +1.1
MELF	Melles			S	S	04 34 09.6
SJPF	Ste Jean	0.76	272	ePg	ePg	04 33 58.6 +0.1
SJPF	Ste Jean			S	S	04 34 09.6
SJPF	Ste Jean	0.76	272	Pg	Pg	04 33 58.6 +0.1
SJPF	Ste Jean			S	S	04 34 09.6
OSSF	Osses	0.80	283	Pg	Pg	04 33 58.6 +0.1
OSSF	Osses			S	S	04 34 09.6
OSSF	Osses	0.80	283	Pg	Pg	04 34 10.6 +0.6
OSSF	Osses			S	S	04 33 59.1 -0.3
IELO	Elcoad	0.81	253	Pg	Pg	04 34 10.2
IELO	Elcoad	0.81	253	Pg	Pg	04 33 59.1 -0.3
IELO	Elcoad			S	S	04 34 10.2
IELO	Elcoad			S	S	04 33 59.1 -0.3
EORO	Oroz-Betelu	0.84	257	Pg	Pg	04 34 11.7
EORO	Oroz-Betelu	0.84	257	Pg	Pg	04 33 59.8 -0.3
EORO	Oroz-Betelu			S	S	04 34 11.7
EORO	Oroz-Betelu			S	S	04 33 59.8 -0.3
IPRE	Itzoiz	0.90	252	Pg	Pg	04 34 01.1 -0.2
IPRE	Itzoiz	0.90	252	Pg	Pg	04 34 01.1 -0.2
IPRE	Itzoiz			S	S	04 34 13.2
IPRE	Itzoiz			S	S	04 34 01.1 -0.2
IPRE	Itzoiz	0.90	252	Pg	Pg	04 34 01.1 -0.2
IPRE	Itzoiz			S	S	04 34 13.2
IPRE	Itzoiz	0.90	252	Pg	Pg	04 34 01.1 -0.2
IPRE	Itzoiz			S	S	04 34 13.2
MLS	Moulis	0.95	97	Pg	Pg	04 34 01.0 -1.1
MLS	Moulis	0.95	97	Pg	Pg	04 34 15.0 +0.4
MLS	Moulis			S	S	04 34 01.0 -1.1
MLS	Moulis			S	S	04 34 15.0 +0.4
MLS	Moulis	0.95	97	Pg	Pg	04 34 01.0 -1.1
MLS	Moulis			S	S	04 34 15.0 +0.4
MLS	Moulis	0.95	97	Pg	Pg	04 34 01.0 -1.1
MLS	Moulis			S	S	04 34 15.0 +0.4
EALK	Alkurruntz	0.97	278	Pg	Pg	04 34 02.5 -0.1
EALK	Alkurruntz			S	S	04 34 15.2
EALK	Alkurruntz	0.97	278	Pg	Pg	04 34 01.6 -1.0
EALK	Alkurruntz			S	S	04 34 15.2 -0.2
EALK	Alkurruntz	0.97	278	Pg	Pg	04 34 02.5 -0.1
EALK	Alkurruntz			S	S	04 34 15.2
EALK	Alkurruntz	0.97	278	Pg	Pg	04 34 02.5 -0.1
EALK	Alkurruntz			S	S	04 34 15.2
CTRE	Tremp	1.04	137	Pg	Pg	04 34 03.4 -0.4
CTRE	Tremp			S	S	04 34 17.6
CTRE	Tremp	1.04	137	Pg	Pg	04 34 03.5 -0.4
CTRE	Tremp			S	S	04 34 17.7 +0.2
CTRE	Tremp	1.04	137	Pg	Pg	04 34 03.5 -0.4
CTRE	Tremp			S	S	04 34 17.7 +0.2
SALF	Satau	1.06	107	Pg	Pg	04 34 03.2 -1.1
SALF	Satau	1.06	107	Pg	Pg	04 34 04.7 +0.3
SALF	Satau			S	S	04 34 19.2
SALF	Satau			S	S	04 34 04.7 +0.3
SALF	Satau	1.06	107	Pg	Pg	04 34 03.2 -1.1
SALF	Satau			S	S	04 34 04.7 +0.3
EARA	Aranguren	1.07	253	Pg	Pg	04 34 05.7 -0.7
EARA	Aranguren	1.07	253	Pg	Pg	04 34 21.7
EARA	Aranguren			S	S	04 34 19.2
EARA	Aranguren			S	S	04 34 05.7 -0.7
EARA	Aranguren	1.07	253	Pg	Pg	04 34 05.7 -0.7
EARA	Aranguren			S	S	04 34 21.7
CEST	Estერი de Car	1.17	114	Pg	Pg	04 34 05.6 -0.7
CEST	Estერი de Car	1.17	114	Pg	Pg	04 34 21.7 +0.2
CEST	Estერი de Car			S	S	04 34 05.6 -0.7
CEST	Estერი de Car			S	S	04 34 21.7 +0.2
CEST	Estერი de Car	1.17	114	Pg	Pg	04 34 05.6 -0.7
CEST	Estერი de Car			S	S	04 34 21.7 +0.2
CSOR	Sort	1.21	126	Pg	Pg	04 34 06.7 -0.3
CSOR	Sort			S	S	04 34 23.2
CSOR	Sort	1.21	126	Pg	Pg	04 34 06.3 -0.7
CSOR	Sort			S	S	04 34 23.2 +0.5
CSOR	Sort	1.21	126	Pg	Pg	04 34 06.3 -0.7
CSOR	Sort			S	S	04 34 23.2 +0.5
GRBF	Gourbit	1.29	100	Pg	Pg	04 34 08.8 +0.2
GRBF	Gourbit			S	S	04 34 25.6 +0.1
GRBF	Gourbit	1.29	100	Pg	Pg	04 34 08.8 +0.2
GRBF	Gourbit			S	S	04 34 25.6 +0.1
ESAC	San Caprasio	1.38	189	Pg	Pg	04 34 09.9 -0.4
ESAC	San Caprasio			S	S	04 34 28.2
ESAC	San Caprasio	1.38	189	Pg	Pg	04 34 09.9 -0.4
ESAC	San Caprasio			S	S	04 34 28.2
CAVN	Les Avelananes	1.39	150	Pg	Pg	04 34 09.3 +0.8
CAVN	Les Avelananes			S	S	04 34 27.7
CAVN	Les Avelananes	1.39	150	Pg	Pg	04 34 09.3 +0.8
CAVN	Les Avelananes			S	S	04 34 27.7 -0.8
CAVN	Les Avelananes	1.39	150	Pg	Pg	04 34 09.3 +0.8
CAVN	Les Avelananes			S	S	04 34 27.7 -0.8
CORG	Organya	1.40	127	Pg	Pg	04 34 10.1 +1.4
CORG	Organya			S	S	04 34 28.4
CORG	Organya	1.40	127	Pg	Pg	04 34 10.1 +1.4
CORG	Organya			S	S	04 34 28.5 -0.5
CORG	Organya	1.40	127	Pg	Pg	04 34 10.1 +1.4
CORG	Organya			S	S	04 34 28.5 -0.5
ARBS	La Rabassa	1.43	116	Pg	Pg	04 34 10.1 +0.8
ARBS	La Rabassa			S	S	04 34 29.8 -0.1
ARBS	La Rabassa	1.43	116	Pg	Pg	04 34 10.1 +0.8
ARBS	La Rabassa			S	S	04 34 29.8 -0.1
MONQ	Montcuq	1.63	38	Pn	Pn	04 34 12.1 +0.3
FNEB	N°bias	1.69	95	Pg	Pg	04 34 14.8 +2.1
FNEB	N°bias			S	S	04 34 36.6
FNEB	N°bias	1.69	95	Pg	Pg	04 34 16.1 +3.4
FNEB	N°bias			S	S	04 34 14.8 +2.1
FNEB	N°bias	1.69	95	Pg	Pg	04 34 16.1 +3.4
FNEB	N°bias			S	S	04 34 14.8 +2.1
CLLI	Llivia	1.70	110	Pg	Pg	04 34 16.1 +3.2
CLLI	Llivia			S	S	04 34 38.8
CLLI	Llivia	1.70	110	Pg	Pg	04 34 16.1 +3.2
CLLI	Llivia			S	S	04 34 38.8
CLLI	Llivia	1.70	110	Pg	Pg	04 34 16.1 +3.2
CLLI	Llivia			S	S	04 34 38.8
CLLI	Llivia	1.70	110	Pg	Pg	04 34 16.1 +3.2
CLLI	Llivia			S	S	04 34 38.8

CARF	Carcanieres	1.73	102	Pg	Pn	04 34 16.3 +3.1
CARF	Carcanieres			Sg	Sg	04 34 40.2 +0.9
EMIR	Miracle	1.73	132	Pg	Pg	04 34 16.8 +1.7
EMIR	Miracle			Lg	Lg	04 34 40.2
MTLF	Montoliou	1.78	81	ePn	Pn	04 34 14.8 +0.9
MTLF	Montoliou			Pb	Pb	04 34 17.8 +1.8
MTLF	Montoliou	1.78	81	ePg	ePg	04 34 36.2 0.0
MTLF	Montoliou			Sb	Sb	04 34 40.3 +2.2
MTLF	Montoliou	1.78	81	Pn	Pn	04 34 14.8 +0.9
MTLF	Montoliou			Pg	Pg	04 34 17.8 +1.8
MTLF	Montoliou	1.78	81	Pn	Pn	04 34 36.2 0.0
MTLF	Montoliou			Lg	Lg	04 34 40.3
MTLF	Montoliou	1.78	81	Pn	Pn	04 34 14.3 +0.4
MTLF	Montoliou			Pn	Pn	04 34 16.0 +1.0
MTLF	Montoliou	1.78	81	Pn	Pn	04 34 17.6 +1.7
MTLF	Montoliou			Pn	Pn	04 34 43.2 +3.3
MTLF	Montoliou	1.78	81	Pn	Pn	04 34 17.7 +1.7
MTLF	Montoliou			P	P	04 34 18.4 +1.8
MTLF	Montoliou	1.78	81	Pn	Pn	04 34 20.0 +0.7
MTLF	Montoliou			Pg	Pg	04 34 45.3
MTLF	Montoliou	1.78	81	Pn	Pn	04 34 17.6 +1.0
MTLF	Montoliou			S	S	04 34 43.1 +2.1
MTLF	Montoliou	1.78	81	Pn	Pn	04 34 17.2 +0.7
MTLF	Montoliou			Pb	Pb	04 34 22.2 +3.0
MTLF	Montoliou	1.78	81	Pn	Pn	04 34 41.4 +0.5
MTLF	Montoliou			Sb	Sb	04 34 48.1 +4.5

CHN4	Tsushan	0.70 212	↑P	Pb	07 00 50.0 +0.6
CHN4	baz=215		eS	Sn	07 01 00.1 -0.4
WMLT	Malliao	0.73 259	eP	Pb	07 00 50.4 +0.6
TPUB	Ta-pu	0.73 208	P	Pb	07 00 50.1 +0.3
TPUB	baz=203		eS	Sb	07 01 00.3 +0.8
TPUB	Ta-pu	0.73 208	ePg	Pb	07 00 50.2 +0.3
TPUB	baz=203		eSn	Pb	07 01 01.0 -0.2
ELDTW	Lidau	0.76 179	eP	Sn	07 00 50.5 +0.1
ELDTW	baz=186		eS	Sn	07 01 01.3 -0.7
WSF	Szhu	0.78 247	P	Pb	07 00 51.1 +0.4
WSF	baz=247		S	Sn	07 01 02.9 +0.6
WTP	Ta-pu	0.79 207	eP	Pb	07 00 51.0 +0.2
WTP	baz=209		eS	Sb	07 01 01.8 +0.7
NSK	Sanguang	0.79 24	↑P	Pb	07 00 51.1 +0.1
YHNB	Yeheng	0.79 25	↑P	Pb	07 00 51.1 +0.1
YHNB	baz=22		eP	Pb	07 00 51.1 +0.1
YHNB	Yeheng	0.79 25	ePg	Sb	07 01 01.1 -0.3
YHNB	baz=22		eSg	Sb	07 01 01.1 -0.3
FULB	Fuli	0.79 160	↑eP	Sb	07 00 51.2 +0.5
FULB	baz=163		eS	Sn	07 01 02.2 -0.5
STYT	Tauyuan	0.81 196	↑P	Pn	07 00 51.7 -0.2
STYT	baz=198		S	Sn	07 01 02.8 -0.5
ENA	Nanau	0.82 55	↑P	Pb	07 00 51.3 -0.1
ENA	baz=54		eS	Sb	07 01 01.6 -0.6
ENB	Hsiang	0.83 215	↑P	Pb	07 00 52.0 +0.4
ENB	baz=216		eS	Sb	07 01 03.7 +0.1
NANB	Nanau	0.83 55	↑P	Pb	07 00 51.4 -0.2
NANB	baz=54		eS	Sb	07 01 02.5 +0.1
SBCB	Hsinchu	0.84 359	↑P	Pn	07 00 52.6 +0.4
SBCB	baz=356		eS	Sn	07 01 04.6 +0.8
HSN	Hsinchu	0.85 358	eP	Pn	07 00 53.4 +1.1
HSN	baz=357		S	Sn	07 01 05.8 +1.7
ENTT	Nioudou	0.86 37	↑P	Pb	07 00 52.0 -0.1
ENTT	baz=29		eS	Sn	07 01 03.8 -0.6
ENAH	Nanao	0.89 56	↑P	Pb	07 00 52.4 -0.1
ENAH	baz=55		eP	Pb	07 01 04.5 -0.5
CHKT	Chengkung	0.91 158	P	Pn	07 00 53.6 +0.4
CHKT	baz=146		eS	Sn	07 01 05.6 +0.1
WLBT	Daxi	0.93 14	eP	Pn	07 00 54.7 +1.3
WLBT	baz=17		eS	Sn	07 01 08.0 +2.0
CHNB	Yiju	0.94 231	P	S	07 00 54.0 +0.4
CHNB	baz=231		S	Sn	07 01 07.3 +0.9
SGST	Jiashian	0.95 204	eP	Pn	07 00 54.1 +0.4
SGST	baz=205		eS	Sn	07 01 08.0 +1.6
TWE	Neicheng	0.98 38	eP	Pn	07 00 54.3 +0.2
TWE	baz=47		eS	Sn	07 01 07.1 -0.2
TWC	Suao	1.01 49	↑P	Pb	07 00 54.7 0.0
TWC	baz=49		eS	Sn	07 01 07.9 -0.2
NCU	National Centr	1.03 9	eP	Pb	07 00 55.8 +0.8
NCU	baz=70		eS	Sn	07 01 09.8 +1.3
CHN3	Shinhua	1.05 214	eP	Pb	07 00 56.4 +1.1
CHN3	baz=215		eP	Pb	07 00 55.6 +0.2
ILA	Ilan	1.06 40	eP	Pb	07 00 56.2 +0.6
SCLT	Jiali	1.07 224	eP	Pb	07 00 56.2 +0.6
SCLT	baz=225		S	Sn	07 01 12.4 +2.9
TATO	Taipei	1.11 23	eP	Pb	07 00 57.2 +0.8
TATO	baz=23		eS	Sn	07 01 11.8 +1.3
TATO	Taipei	1.11 23	ePn	Pb	07 00 57.5 +1.1
TATO	baz=23		eSn	Pb	07 01 13.8 +3.3
TWG	Pinlang	1.13 177	↑P	Pb	07 00 57.0 +0.4
TWG	baz=174		eS	Pb	07 01 12.6 +1.7
TWG	Pinlang	1.13 177	ePn	Pb	07 00 56.9 +0.3
TWG	baz=174		eSn	Pb	07 01 12.3 +1.4
TWGBT	Beinan	1.13 176	↑P	Pb	07 00 56.9 +0.3
TWGBT	baz=174		S	Sn	07 01 11.3 +0.4
TAI1	Yung-kang	1.15 218	eP	Pb	07 00 57.0 -0.1
TAI1	baz=18		eP	Pb	07 00 58.0 +0.9
TWA	Mucha	1.15 27	eP	Sn	07 01 12.9 +1.3
TWA	baz=39		eS	Sn	07 01 12.9 +1.3
TAPI	Taipei	1.18 24	eP	Pb	07 00 58.6 +1.0
TAPI	baz=22		eP	Pb	07 00 58.3 +0.7
EOS1	EOS1	1.19 60	eP	Pb	07 00 58.2 +0.2
EOS1	baz=59		eP	Pb	07 00 59.7 +1.4
EGS	Wangyinshan	1.23 43	eP	Pb	07 00 59.7 +1.4
EGS	baz=17		eP	Pb	07 00 59.7 +1.4
TWMI	Shoushan	1.24 206	eP	Pb	07 00 59.7 +1.1
TWMI	baz=206		eP	Pb	07 00 59.1 +0.4
SSD	Sandimen	1.25 196	eP	Pb	07 00 59.1 +0.4
SSD	baz=189		eP	Pb	07 01 00.3 +0.8
YM04	YM04	1.29 22	eP	Pb	07 01 00.3 +0.8
YM04	baz=21		eP	Pb	07 00 59.3 -0.4
YM10	YM10	1.30 23	eP	Pb	07 00 59.3 -0.4
YM10	baz=23		eP	Pb	07 00 59.3 -0.5
YM05	YM05	1.31 23	eP	Pb	07 00 59.3 -0.5
YM05	baz=22		eP	Pb	07 00 59.1 +0.3
YM11	YM11	1.32 22	eP	Pb	07 01 00.9 +0.9
YM11	baz=22		eP	Pb	07 01 01.1 +1.1
NWF	Wu-fen Shan	1.32 32	eP	Pb	07 01 01.1 +1.1
NWF	baz=30		eS	Sb	07 01 17.1 +0.6
NWF	Wu-fen Shan	1.32 32	eP	Pb	07 01 01.4 +1.4
NWF	baz=30		eS	Sb	07 01 17.1 +0.6
WFSB	Wu-fen Shan	1.34 25	eP	Pb	07 01 00.5 +0.2
WFSB	baz=30		eP	Pb	07 01 00.7 +0.4
YM08	YM08	1.34 23	eP	Pb	07 01 00.9 +0.6
YM08	baz=24		eP	Pb	07 01 00.6 -0.3
ECL	Taimali	1.35 182	eP	Pb	07 01 18.3 +0.3
ECL	baz=23		eS	Sb	07 01 00.9 +0.6
MASBT	Mashibu	1.38 194	eP	Pb	07 01 00.6 -0.3
MASBT	baz=195		eS	Sb	07 01 18.3 +0.3
PNG	Penghu	1.38 254	↑P	Pn	07 00 59.9 +0.3
PNG	baz=253		eS	Sn	07 01 17.9 +0.7

PNG	baz=253		eS	Sn	07 01 17.9 +0.7
PHUB	Peng-hu	1.38 252	↑P	Pn	07 00 59.8 +0.2
PHUB	baz=251		eS	Sn	07 01 17.8 +0.6
TWB1	Santiao Chiao	1.38 40	eP	Pb	07 01 01.2 +0.2
TWB1	baz=39		eS	Sb	07 01 18.4 +0.1
WDGT	Dungji	1.41 241	P	Pn	07 01 00.7 +0.6
WDGT	baz=230		eS	Sb	07 01 19.4 +0.4
TWY	Chenthua	1.43 22	eP	Pb	07 01 02.7 +1.0
TWY	baz=22		eP	Pb	07 01 04.0 -0.8
SCZT	Fangliang	1.61 193	eP	Pb	07 01 25.2 +0.5
SCZT	baz=192		eS	Sb	07 01 03.6 +0.7
VCHM	Qimei	1.62 243	↑P	Pn	07 01 03.6 +0.7
VCHM	baz=234		eS	Sb	07 01 25.6 +0.5
VWUC	VWUC	1.75 307	eP	Pn	07 01 04.1 -0.7
VWUC	baz=304		P	Pn	07 01 07.5 -1.3
JYNG	Yonagunijimaku	1.84 74	P	Pn	07 01 29.3 +0.7
JYNG	baz=74		eS	Sn	07 01 27.7 +0.9
YOJ	Yonaguni jima	1.90 74	P	Pn	07 01 08.1 +1.3
YOJ	baz=89		eS	Sn	07 01 30.6 +0.6
YOJ	Yonaguni jima	1.90 74	ePn	Pn	07 01 08.1 +1.3
YOJ	baz=89		P	Pn	07 01 31.1 +1.0
PTTC	Pingtang	1.91 324	↑eP	Pn	07 01 06.3 -0.6
PTTC	baz=321		eP	Pn	07 01 09.0 +0.7
TWK1	Hetichun	2.01 185	eP	Pn	07 01 09.1 +0.9
TWK1	baz=199		eP	Pn	07 01 08.0 -0.5
TWKBT	Hengchun	2.01 185	eP	Pn	07 01 15.2 +1.7
TWKBT	baz=199		eP	Pn	07 01 12.8 -0.8
PTMZ	Houtangcun	2.03 303	↑eP	Pn	07 01 13.4 -0.4
PTMZ	baz=300		eP	Pn	07 01 43.8 +1.2
KNM	Kimmen	2.39 282	eP	Pn	07 01 18.5 -0.5
KNM	baz=280		eP	Pn	07 01 18.5 -0.5
MATB	Ma-tsu	2.39 337	eP	Pn	07 01 18.5 -0.5
MATB	baz=334		eP	Pn	07 01 18.5 -0.5
QZH	Quanzhou	2.41 295	Pn	Sn	07 01 13.4 -0.4
QZH	baz=295		Sm	Sm	07 01 43.8 +1.2
QZH	comp=N,500nm,0.4s		Sm	Sm	
KNMB	Chin-men Tao	2.44 283	↑eP	Pn	07 01 14.0 -0.2
KNMB	baz=281		P	Pn	07 01 16.5 +1.2
IRIF	Iriomote-Funau	2.52 81	P	Sn	07 01 46.2 +0.9
IRIF	baz=81		S	Sn	07 01 17.0 +1.1
HATJ	Hateruma jima	2.56 87	P	Sn	07 01 48.9 +2.5
HATJ	baz=87		eS	Sn	07 01 20.2 +1.6
JKRS	Kuro-shima	2.76 83	P	Sn	07 01 53.2 +1.9
JKRS	baz=83		S	Sn	07 01 18.5 -0.5
IHZQ	Yeshan	2.79 321	eP	Pn	07 01 18.5 -0.5
IHZQ	baz=317		eP	Pn	07 01 18.5 -0.6
LYJJ	Jianjiangzhen	2.82 337	eP	Pn	07 01 21.7 +1.2
LYJJ	baz=335		P	Sn	07 01 54.4 -0.2
JJU	Ishigaki jima	2.90 81	P	Sn	07 01 21.8 +0.2
JJU	baz=81		S	Sn	07 01 24.7 +1.6
ZPLA	Ao Xicun	2.98 270	↑eP	Pn	07 01 23.5 -0.1
ZPLA	baz=269		P	Pn	07 01 29.3 +1.3
JISG	Ishigakijimahi	3.08 77	P	Pn	07 02 09.2 +1.1
JISG	baz=77		eS	Sn	07 01 36.8 +2.5
ZZJH	Jiuhuzhen	3.12 280	eP	Pn	07 02 19.7 +0.3
ZZJH	baz=279		P	Pn	07 02 19.4 +0.1
JTJ	Tarama	3.44 78	P	Pn	07 02 19.4 +0.1
JTJ	baz=78		S	Sn	07 02 19.1 -0.2
JIRB	Irabujima	3.90 76	P	Pn	07 04 03.2 +1.2
JIRB	baz=76		S	Sn	07 04 04.7 +2.6
JOW	Kunigami	7.17 65	Pn	Pn	07 04 04.7 +2.3
JOW	baz=65		P	Pn	07 02 19.4 +0.1
JOW	comp=N,41nm,1.1s		P	Pn	07 02 19.4 +0.1
JOW	8.4nm,0.3s,baz=261,slow=19,SNR=15		P	Pn	07 02 19.1 -0.2
JOW	7.17 65 ePn		P	Pn	07 04 03.2 +1.2
KS15	Wonju Array Si	14.69 22	ePn	Pn	07 04 04.7 +2.6
KS15	baz=22		ePn	Pn	07 04 04.7 +2.3
KSAR	Wonju Array Be	14.69 22	Pn	Pn	07 04 04.7 +2.3
KSAR	baz=22		Pn	Pn	07 04 04.7 +2.3
KSR5	Korea Array	14.71 22	Pn	Pn	07 04 04.7 +2.3
KSR5	baz=22		Pn	Pn	07 04 04.7 +2.3
KSR5	0.2nm,0.3s,baz=202,slow=1.2,SNR=2.9		LR	LR	07 09 23.6
SONAO	Songino Array	26.52 338	eP	P	07 06 11.4 -0.3
SONAO	baz=338		P	P	07 06 11.4 -0.3
SONMI	Songino Array	26.52 338	eP	P	07 06 11.4 -0.3
SONMI	baz=338		P	P	07 06 11.4 -0.3
SONMI	1.1nm,0.6s,baz=156,slow=7.6,SNR=3.8		P	P	07 06 41.3 +0.0
LHMI	Lhok Sumawe	29.71 235	eP	P	07 07 18.8 +3.6
LHMI	baz=235		P	P	07 07 56.4 +1.2
WMQ	Urumqi	33.70 314	eP	P	07 07 56.4 +1.2
WMQ	baz=314		P	P	07 07 56.4 +1.2
MK01	Makanchi Array	38.39 316	eP	P	07 07 56.5 +1.2
MK01	baz=316		P	P	07 07 56.5 +1.2
MK32	Makanchi Array	38.39 316	eP	P	07 07 56.5 +1.2
MK32	baz=316		P	P	07 07 56.5 +1.2
MKAR	Makanchi Array	38.39 316	eP	P	07 07 57.1 +1.8
MKAR	baz=316		P	P	07 07 57.1 +1.8
MKAR	1.1nm,0.5s,baz=108,slow=10,SNR=16		P	P	07 08 11.8 +0.3
ZALV	Zalesovo Beam	40.35 327	P	P	07 08 11.8 +0.3
ZALV	baz=327		P	P	07 08 23.8 -1.9
ZAA1	Zalesovo Array	40.35 327	eP	P	07 08 23.8 -1.9
ZAA1	baz=327		P	P	07 08 23.8 -1.9
FITZ	Fitzroy Crossi	42.04 173	eP	P	07 53 48.0
FITZ	baz=173		P	T	07 53 45.2
H1N1	WAKE ISLAND Hy	42.67 86	T	T	07 53 43.0
H1N1	baz=86		T	T	07 53 45.6
H1N2	WAKE ISLAND Hy	42.67 86	T	T	07 53 55.5
H1N2	baz=86		T	T	07 08 36.8 -0.6
H1N3	WAKE ISLAND Hy	42.67 86	T	T	07 08 46.5 -1.8
H1N3	baz=86		T	T	07 08 51.4 -2.3
H1S3	WAKE ISLAND Hy	42.79 88	T	T	07 10 30.0 -2.3
H1S3	baz=88		T	T	07

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like KSH, KSH, KSH, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like NRIK, MJAR, YSS, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like DHY, GHO, PMR, etc.

Table with columns: PPT, Station Name, Frequency, Band, and other technical details for stations like Papeete, Tubuai, TAOE, etc.

NNC 13 08:09:42.2.3.2,36.84N,70.44E, h0km, mb3.7, mpv3.3, 2C-4D, Error ellipse: s-maj=24.8km s-min=22.8km

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residuals for stations like SFK, MNAS, KK31, etc.

IDC 13 08:25:40.1±0.5, 22.2245S, 170.47E, h0km, mb4.5/21, mb1 4.4/24, ms1mx4.6/36, mbtmp4.5/24, ML4.2/3, MS4.4/24, Ms1 4.4/24, ms1mx4.4/29, Error ellipse: s-maj=16.3km

ISCJB 13 08:25:43.9±0.2, 22.2275S, 170.43E, h0km, mb4.8/67, MS4.5/24, Error ellipse: s-maj=6.3km

MOS 13 08:25:45.3±1.6, 22.18S, 170.29E, h33km, mb5.2/15, Error ellipse: s-maj=10.9km s-min=9.3km az=130.3

BUI 13 08:25:45.9±0.2, 22.18S, 170.26E, h22km, mb5.0/35, MS5.3/20, Ms5.2/8, Ms7 4.9/4

NEIC 13 08:25:45.7±0.2, 22.2245S, 170.48E, h35km, mb4.9/40, Error ellipse: s-maj=5.6km s-min=5.1km az=91.0

GCMT 13 08:25:47.7±0.2, 22.2265S, 170.26E, h0km, mb4.8/67, MS4.5/25, 30C-12D, Southeast of Loyalty Islands

Principal axes: T 7.4280, P 71.0000, Azm 358.0000; N 0.5980, Plg 7.0000; Azm 108.0000; P -8.2030, Plg 18.0000; Azm 200.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

Triangular moment-rate function

ISC 13 08:25:45.3±0.3, 22.2335S, 170.47E, h0km, mb4.8/67, MS4.5/25, 30C-12D, Southeast of Loyalty Islands

Main table of station data for the left column, including station names, frequencies, and technical parameters.

Main table of station data for the middle column, including station names, frequencies, and technical parameters.

Main table of station data for the right column, including station names, frequencies, and technical parameters.

Table with columns for station name, coordinates, and seismic data. Includes stations like PSZ, MORC, KRALIC, etc.

Table with columns for Code, Station Name, Azimuth, Phase, Time, Residual, and ISC. Includes stations like TWD, HWA, NACB, etc.

Table with columns for station name, coordinates, and seismic data. Includes stations like SBCB, CHNS, HSN, etc.

NIED 13 08:27:00.24:00N,121.60E,h35km,Mw4.0 Best double couple: M0:1.29000x10^15 Np1:0.250000^0.840 0.0000^0.124 0.0000^0. NP2:0.164 0.0000^0.858 0.0000^0.165 0.0000^0. JMA 13 08:27:50.9:0.1,24:04N:121.55E,h20km,2km,M3.5 IASPEI 13 08:27:51.3:0.9,24:04N:121.55E:0.02,h24km,4km mb3.8/5, Error ellipse: s-maj=3.4km s-min=2.0km az=112.8, GTS selection from ISC bulletin GTS identified by Bond J and McLaughlin (2009) selection criteria Bond J and McLaughlin, A new ground truth set for seismic studies, <i>Seism. Res. Let.</i>, 80, 465-472, 2009

Table with columns: VCHM, Qimei, 2.11 247 eP, Pn, 08 28 25.6 +0.6, etc. Includes stations like VCHM, VWUC, PTTC, TWK1, TWK2, JKRS, etc.

MAN 13 08:30:38.4, 9.44N, 125.51E, h1km, mb4.9, ML3.8, MS3.8, 4C-1D, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like SCPH, BUTP, MSLP, CGP, etc.

ISK 13 08:42:24.8, 37.23N, 28.21E, h7km, ML1.8/5, ISCJB 13 08:42:25.0, 0.7, 37.24N, 0.04, 28.22E, 0.06, h0km, Error ellipse: s-maj=8.1km s-min=3.7km az=137.3

DDA 13 08:42:25.2, 37.24N, 28.21E, h7km, ML2.6, Suspected Mining explosion.

ISC 13 08:42:25.2, 1.1, 37.19N, 0.06, 28.14E, 0.06, h0km, n9, 0544/14, Turkey

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

ISK 13 08:43:52.6, 40.22N, 29.97E, h10km, ML1.5/3, Turkey

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

NDI 13 09:05:09.3, 2.6, 96.27N, 92.73E, h30km, 7km, ML3.6, Northeastern India

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

Table with columns: TAWA, ZIRO, GUWA, JORH, SHL, MOKO, KOHI, TURI, etc. Includes station names and coordinates.

ISCJB 13 09:16:09.1, 3.2, 8.0N, 0.2, 128.0E, 0.2, h100km, mb3.6/4, Error ellipse: s-maj=37.6km s-min=12.4km az=136.4

IDC 13 09:16:11.1, 3.8, 8.2, 77N, 128.07E, h103km, 38km, mb3.3/5, mb1 3.5/6, mb1mx3.3/37, mbtmp3.8/6, Error ellipse: s-maj=55.9km s-min=20.6km az=69.0

ISC 13 09:16:10.9, 1.4, 2.7N, 0.2, 128.0E, 0.3, h100km, n12, 0575/8, mb3.8/4, Northern Molucca Sea

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

KRNET 13 09:17:04.0, 0.1, 41.84N, 69.39E, mb2.6, ISCJB 13 09:17:05.1, 1.2, 41.83N, 0.04, 69.55E, 0.08, h11km, 6km, SOME 13 09:17:07.0, 41.73N, 70.03E, h10km

ISC 13 09:17:04.7, 1.8, 41.84N, 0.05, 69.52E, 0.08, h11km, 11km, n14, 1524/28, 17C-5D, Kyrgyzstan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like IUG, BRLS, KK31, ARK, ARK, BTM, MNAS, ARSB, MRKS, DRK, AML, AML, EKS2, UCH, UCH, KZA, etc.

IDC 13 09:27:22.1, 1.9, 9.33N, 85.96W, h0km, mb3.7/5, mb1 4.0/6, mb1mx3.7/32, mbtmp3.7/6, ML3.4/1, MS3.2/5, Ms1 3.2/5, ms1mx2.9/33, Error ellipse: s-maj=41.1km s-min=20.2km az=1.0

ISCJB 13 09:27:23.1, 3.9, 68N, 0.05, 86.11W, 0.05, h29km, 11km, mb3.5/5, MS3.3/3, Error ellipse: s-maj=9.8km s-min=5.8km az=137.3

UCR 13 09:27:27.1, 2.9, 9.70N, 86.12W, h15km, 14km, MD4.2, ML2.8, ISC 13 09:27:26.8, 3.4, 9.69N, 0.07, 86.07W, 0.07, h17km, 21km, n40, 0.184/40, mb3.6/5, MS3.4/3, 6C-1D, Off coast of Costa Rica

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

Table with columns: JTS, JTS, CUJ, MESS, ARE1, SRA1, QCR1, COSC, SJS, LCR2, ERDD, URSO, CYTR, ABS2, ACON, etc. Includes station names and coordinates.

SOME 13 09:34:06.5, 40.78N, 76.90E, h10km, KRNET 13 09:34:07.5, 0.1, 40.87N, 76.69E, h18km, mb3.1, NNC 13 09:34:11.4, 1.4, 40.91N, 76.77E, h0km, mb3.6, mpv3.2, Error ellipse: s-maj=14.8km s-min=9.3km az=139.0

ISC 13 09:34:05.9, 1.7, 40.84N, 0.05, 76.74E, 0.04, h10km, 13km, n45, 1833/74, 29C-11D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like NRN, ULHL, ULHL, ULHL, KZA, KZA, BOOM, BOOM, UCH, UCH, UCH, IZV, IZV, TNSS, TNSS, KBK, KBK, KBK, TKM2, TKM2, TKM2, TKM2, KST, KST, MTBS, MTBS, MDOK, MDOK, MDOK, SFK, SFK, SFK, SFK, KOTS, KOTS, AAK, AAK, AAK, DGS, DGS, DGS, AML, AML, AML, AML, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CHMS Chumysh, ARSB Arslanbob, EKS2 Erkin-Say, etc.

ISCJB 13 09:38:31.7, 0.0, 37.87N, 0.04, 26.73E, h0km, 10km, Error ellipse: s-maj=9.2km s-min=4.9km az=136.6

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DGB zmir, GCAM G?zelcam?, etc.

TIF 13 09:46:31.9, 41.56N, 43.35E, h0km, 1km DDA 13 09:46:33.6, 41.41N, 43.36E, h7km, M12.6

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AKH Akhalkalaki, BGD Bogdanovka, etc.

SOME 13 09:49:34.6, 40.78N, 76.93E, h5km KRNET 13 09:49:36.9, 0.1, 40.86N, 76.73E, h12km, mb3.1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NRN Naryn, ULHL Ulahol, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TKM2 Tokmak 2, KBK Karagaybulak, etc.

IDC 13 10:02:40.7, 1.5, 26.07S, 69.17W, h0km, mb3.8/1, m1 3.6/2, m1mx3.4/21, mbtmp3.6/2, ML3.0/1, Ms1 3.0/1, ms1mx2.7/18, Error ellipse: s-maj=82.4km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HNR Honiara, DZM Mont Dzumac, etc.

IDC 13 10:03:52.0, 4.0, 11.11S, 162.89E, h0km, mb4.8/17, mb1 4.9/19, mb1mx4.9/29, mbtmp4.7/19, ML4.4/2, MS4.2/29, Ms1 4.2/29, ms1mx4.2/32, Error ellipse: s-maj=19.5km

Table with columns: GSC, SWSC, FURC, HEC, BELC, WVOR, SHOC, BC3, TUQ, GMRC, TPNV, TPNV, G08A, IRM, GLA, GLA, GLA, Y12C, Y12C, SHPR, R11A, R11A, PDMCI, BMO, BMO, SYO, F10A, 214A, MK01, MK31, MK31, MKAR, MKAR, MKAR, NEW, PSUT, LCMT, CCUT, MAKZ, ZALV, ZALV, SZCU, KNB, KNB, KNB, HLID, HLID, DUG, DUG, TUC, MTPU, MSU, MSU, NVS, HVU, DLMT, KSH, KSH, KSH, KSH, BOZ, BOZ, KURK, KURK, NRIK, PDAR, PDAR, YKA, ANMO, ANMO, SNA, SNA, VNA3, VNA2, TXAR

Table with columns: BRVK, OBN, OBN, OBN, FINES, FINES, VSU, LPAZ, BOS, NOA, CPUP, SDV, KEST, PBRG, POLO, POLO, MVO, ESOC, PVIS, MTE, PCBR, PCAS, PMRV, EVO, PBEJ, PVAQ, TORD, DBIC

WEL 13 10:07:52.5, 43°S:8°17'7E, h33km, ML3.7/20, Off east coast of South Island

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res

ISCJB 13 10:33:52.3, 1.2, 45°1N:0°1'152°0E:0.1, h41km, Error ellipse: s-maj=21.3km, s-min=8.5km, az=151.5

SKHL 13 10:33:55.0, 0.8, 45°31'N:0°1'183E, h36km, 3km, mb, 4/3

ISC 13 10:33:54.2, 2.4, 45°1N:0°2'152°0E:0.2, h41km, n16, 0171/22, Kuril Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res

KRSC 13 10:56:32.0, 1.1, 49°06'N:156°08'E, h14km, 13km, ML3.8, Kuril Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res

Table with columns: DALK, KOK, SDR, GNL

SOME 13 11:11:33.0, 40°6'N:77°6'E, h10km, KRNET 13 11:11:33.0, 1.0, 40°66'N:77°48'E, mb, 2.5

ISC 13 11:11:28.3, 2.9, 40°50'N:0°1'77°60E, h1km, 14km, n16, 0095/32, 14C, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res

NIED 13 11:12:00.37, 20N, 142°30'E, h35km, Mw3.7, Best double couple: M3.62000, 1014, NP1:0.9760000, 817, 000000, 1.225, 000000, NP2:0.339, 00000, 876, 000000, 1.860, 000000

ISCJB 13 11:12:33.9, 0.7, 37°21'N:0°06'142°34'E, 0.06, h9km, mb, 3.5/5, MS3.3/1, Error ellipse: s-maj=8.4km, s-min=6.7km, az=178.0

IDC 13 11:12:33.9, 1.2, 37°16'N:142°40'E, h0km, mb, 3.5/5, mb1 3.7/8, mb1mx3.5/42, mbtmp3.6/8, ML3.4/3, MS2.7/3, Ms1 2.7/3, ms1mx2.5/44, Error ellipse: s-maj=27.6km, s-min=20.6km, az=99.0

JMA 13 11:12:34.9, 0.3, 37°20'N:142°31'E, h2km, M3.8, ISC 13 11:12:34.9, 0.1, 37°23'N:0°06'142°32'E, 0.07, h9km, n26, 1869/24, mb, 3.5/5, Off east coast of Honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res

ISCJB 13 11:20:33.8, 0.7, 24°93'N:0°04°95°09E:0.07, h14km, 7km, mb3.6/6, Error ellipse: s-maj=9.9km, s-min=6.7km, az=7.1

NDI 13 11:20:36.4, 2.6, 24°91'N:95°15'E, h50km, ML3.2, IDC 13 11:20:37.1, 3.2, 24°72'N:95°05'E, h135km, 33km, mb, 3.2/6, mb1 3.4/8, mb1mx3.1/52, mbtmp3.7/8, MS3.1/1, Ms1 3.1/1, ms1mx2.4/26, Error ellipse: s-maj=34.2km, s-min=14.8km, az=46.0

ISC 13 11:20:34.4, 1.1, 24°93'N:0°05°95°16E:0.09, h104km, 10km, n18, 1943/26, mb, 3.6/6, 1C, Myanmar

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res

13d 15h

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, CTA Chartiers Tower, WRA Warramunga Arr, etc.

ISCJB 13 13:52.3.0.4, 7.31S, 0.04, 129.59E, 0.06, h150km, mb4.0/9, Error ellipse: s-maj=8.0km s-min=6.0km az=9.5

DJA 13 13:55.0.0.7, 7.3S, 3.13E, h93km, 58km, M4.9/6, mb5.2/3, mb4.6/6, MLV=1.4, Mw(mb)4.5/3

ISC 13 13:53.1.0.6, 7.39S, 0.06, 129.68E, 0.08, h150km, n32, #233.35, mb3.9/9, Banda Sea

Main table for 13d 15h section, listing various seismic stations and their data points.

MEX 13 13:34:11.6.1.3, 14.94N, 96.90W, h16km, 43km, MD3.7, Off coast of Oaxaca

Table for MEX 13 13:34:11.6.1.3, 14.94N, 96.90W, h16km, 43km, MD3.7, Off coast of Oaxaca

ISCJB 13 13:57.39.8.0.6, 19.76S, 0.05, 133.86E, 0.05, h12km, Error ellipse: s-maj=7.7km s-min=6.1km az=12.7

2012 OCT

Table for 2012 OCT section, listing seismic stations and data points.

ISC 13 13:57:40.6.0.9, 19.76S, 0.07, 133.82E, 0.07, h12km, n20, #196/22, Northern Territory

NIED 13 14:02:00.35.90N, 140.60E, h50km, Mw3.8 Best double couple: M6.030000, 1014 NP1, #292.00000, #23.00000, lambda=174.00000, NP2, #197.00000, #88.00000, lambda=67.00000

ISC 13 14:02:14.3.0.9, 35.75N, 140.56E, h0km, Mw3.7/9, mb1.3/8.12, mb1mx3.6/4.4, mbtmp3.7/12, ML3.7/3, MS2.8/3, Ms1.2/8.3, ms1mx2.5/3.7, Error ellipse: s-maj=24.9km s-min=15.6km az=76.0

JMA 13 14:02:19.3.0.1, 35.85N, 140.54E, h38km, 1km, M3.5 Broadband fault plane solution: P waves. NP1: #25.00000, #71.00000, #79.00000, NP2, #234.00000, #22.00000, #118.00000, Principal axes: T P1g63.00000, Azm278.00000, N P1g10.00000, Azm28.00000, P P1g25.00000, Azm123.00000

JMA Felt II, ISC 13 14:02:19.4.0.9, 35.80N, 0.04, 140.55E, 0.05, h32km, 7km, n30, #1945/31, mb3.6/9, 1C-3D, Near east coast of eastern Honshu

Table for 2012 OCT section, listing various seismic stations and their data points.

MEX 13 13:34:11.6.1.3, 14.94N, 96.90W, h16km, 43km, MD3.7, Off coast of Oaxaca

Table for MEX 13 13:34:11.6.1.3, 14.94N, 96.90W, h16km, 43km, MD3.7, Off coast of Oaxaca

ISCJB 13 14:08:04.5.0.5, 26.17N, 0.04, 103.11E, 0.05, h0km, mb4.0/12, MS3.1/2, Error ellipse: s-maj=7.5km s-min=5.3km az=29.2

564

Table for 564 section, listing seismic stations and data points.

ISC 13 14:16:39.8.0.4, 37.23N, 0.03, 28.19E, 0.04, h0km, Error ellipse: s-maj=5.5km s-min=3.4km az=136.1

ISC 13 14:16:39.8.0.4, 37.23N, 0.03, 28.19E, 0.04, h0km, Error ellipse: s-maj=5.5km s-min=3.4km az=136.1

ISC 13 14:16:39.8.0.4, 37.23N, 0.03, 28.19E, 0.04, h0km, Error ellipse: s-maj=5.5km s-min=3.4km az=136.1

ISC 13 14:16:39.8.0.4, 37.23N, 0.03, 28.19E, 0.04, h0km, Error ellipse: s-maj=5.5km s-min=3.4km az=136.1

ISC 13 14:16:39.8.0.4, 37.23N, 0.03, 28.19E, 0.04, h0km, Error ellipse: s-maj=5.5km s-min=3.4km az=136.1

Table for 564 section, listing various seismic stations and their data points.

ISC 13 14:54:40.3.2.4, 4.35N, 123.67E, h0km, mb3.6/3, mb1.3/8.3, mb1mx3.4/4.0, mbtmp3.6/3, Error ellipse: s-maj=25.4km s-min=25.4km az=63.0, Celebes Sea

ISC 13 14:58:16.9.5.0, 22.76N, 11.75W, h0km, mb3.7/2, mb1.3/6.3, mb1mx3.3/4.1, mbtmp3.6/3, Error ellipse: s-maj=163.9km s-min=42.4km az=58.0, Mauritania

Table for 564 section, listing various seismic stations and their data points.

ISC 13 15:05:10.8.1.9, 40.70N, 0.06, 76.44E, 0.04, h16km, 10km, n27, #175/50, 20C-8D, Kyrgyzstan-Xinjiang border region

Table with columns: ARLS, Station Name, Azimuth, Phase ID, Time, Residual, and other parameters. Includes stations like Aral, Uchtor, Tokmak 2, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, and other parameters. Includes stations like Saikkikamae, Tosashimizu, Usuki, etc.

Table with columns: ESL, Station Name, Azimuth, Phase ID, Time, Residual, and other parameters. Includes stations like Hehuan Shan, Wulai, Yeheng, etc.

WEL 13 15:05:30.7±1.6, 3.33±17°18'0W±3'8, h12km, ML4.6/11, South of Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, and other parameters. Includes stations like Waomatatini S, Te Kaha, Pakihiroa, etc.

ISK 13 15:24:59.7, 38°37'N-28°58'E, h8km, ML2.1/3 DDA 13 15:24:59.7, 38°48'N-28°46'E, h4km, ML2.5 ISC 13 15:24:59.7±1.0, 38.46N±0.04, 28.48E±0.05, h9km±7km, n12, c0954/16, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, and other parameters. Includes stations like Manisa, Kula-Manisa, Demirci, etc.

ISCJCB 13 15:47:08.9±0.2, 24°20'N-101°12'22'E, h54km, 3km, Error ellipse: s-maj=2.7km s-min=1.9km az=36.1 TAP 13 15:47:08.9, 24°20'N-121°98'E, h54km, ML3.7, B JMA 13 15:47:08.4±0.1, 24°14'N-121°98'E, h56km±2km, M3.3 ISC 13 15:47:08.9±1.2, 24°22'N±0.02, 122°00'E±0.02, h56km±5km, n111, c1936/214, 5C, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, and other parameters. Includes stations like Hungye, Yonaguni jima, Yonaguni jima, etc.

DDA 13 15:10:15.7, 39°86'N-30°03'E, h7km, ML2.7, Suspected Mining explosion. ISCJCB 13 15:10:16.1±0.5, 39°88'N±0.04, 30°02'E±0.04, h0km, Error ellipse: s-maj=5.6km s-min=4.4km az=142.0 ISK 13 15:10:16.5, 39°88'N-29°99'E, h4km, ML 1.9/8 ISC 13 15:10:15.6±0.9, 39.85N±0.03, 30.00E±0.03, h0km, n16, c051/13, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, and other parameters. Includes stations like Eskisehir, Cavuskoj, Tavsani, etc.

ISCJCB 13 15:47:08.9±0.2, 24°20'N-101°12'22'E, h54km, 3km, Error ellipse: s-maj=2.7km s-min=1.9km az=36.1 TAP 13 15:47:08.9, 24°20'N-121°98'E, h54km, ML3.7, B JMA 13 15:47:08.4±0.1, 24°14'N-121°98'E, h56km±2km, M3.3 ISC 13 15:47:08.9±1.2, 24°22'N±0.02, 122°00'E±0.02, h56km±5km, n111, c1936/214, 5C, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, and other parameters. Includes stations like Nanao, Nanshan, Nanshan, etc.

ISCJCB 13 15:47:08.9±0.2, 24°20'N-101°12'22'E, h54km, 3km, Error ellipse: s-maj=2.7km s-min=1.9km az=36.1 TAP 13 15:47:08.9, 24°20'N-121°98'E, h54km, ML3.7, B JMA 13 15:47:08.4±0.1, 24°14'N-121°98'E, h56km±2km, M3.3 ISC 13 15:47:08.9±1.2, 24°22'N±0.02, 122°00'E±0.02, h56km±5km, n111, c1936/214, 5C, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, and other parameters. Includes stations like Nanshan, Nanshan, Nanshan, etc.

NIED 13 15:14:00, 32°80'N-132°30'E, h32km, Mw4.1 Best double couple: M0=1.350000±0.1019 NP1=0.35700000±0.34200000, λ=101.000000°. NP2=0.19100000±0.49000000, λ=81.000000° ISCJCB 13 15:14:22.5±0.5, 32°74'N±0.05, 132°31'E±0.04, h49km±4km, mb3.6/7, MS3.2/2, Error ellipse: s-maj=8.4km s-min=4.6km az=153.9 JMA 13 15:14:23.5, 32°77'N-132°29'E, h36km±1km, M4.1 JMA Felt II J1. IDC 13 15:14:26.2±1.6, 32°89'N±132°18'E, h73km±14km, mb3.4/6, mb1 3.6/8, mb1mx3.4/37, mbtmp3.6/8, MS3.2/6, Ms1 3.2/6, ms1mx2.9/29, Error ellipse: s-maj=20.0km s-min=19.1km az=41.0 ISC 13 15:14:22.8±1.0, 32.77N±0.05, 132.27E±0.03, h34km±3km, n24, c1912/32, mb3.7/7, 7C, Shikoku

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, and other parameters. Includes stations like Shilin, Shikoku, etc.

13d 17h

Table with columns: NSY, Sanyh, baz=280, 1.14 280 eP, Pn, 15 47 30.0 +1.2, etc. Lists various station codes and their coordinates.

2012 OCT

Table with columns: MHZQ, Yeshan, baz=305, 3.28 305 eP, Pn, 15 47 56.6 -1.2, etc. Lists station codes and coordinates for the 2012 OCT period.

566

Table with columns: KTBS, Karatobe, 1.2nm,0.6s, 3.57 295 eP, Pb, 17 01 28.7 +1.0, etc. Lists station codes and coordinates for the 566 period.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KTBS, UCH, CHKK, MNBS, AAK, etc.

ISCJJB 13 17:06:54.2,0.5,50.16N,0.03,19.03E,0.03,h0km, Error ellipse: s-maj=4.7km s-min=2.5km az=20.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CHZP, Ojcow, Ostrava-Krasne, etc.

MAN 13 17:24:13.2,18.82N,120.92E,h21km,mb4.0,ML2.8, MS2.4,1D,Luzon

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like APYP, ABRA, SGGP, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SGGP, Callao Caves, CVP, etc.

IDC 13 17:42:17.5,1.2,20.81N,122.37E,h0km,mb3.5/6, mb1 3.6/7, mb1mx3.4/40,mbtmp3.5/7,ML3.2/1,MS3.5/3, Ms1 3.5/3,ms1mx2.8/29, Error ellipse: s-maj=43.0km s-min=19.4km az=68.0

JMA 13 17:42:18.5,0.4,20.96N,122.13E,h0km,M3.7, ISCJJB 13 17:42:20.8,0.8,20.77N,122.3E,0.1,h33km, ms3.4/6,MS3.8/2, Error ellipse: s-maj=18.2km s-min=6.7km az=26.5

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

BUI 13 17:52:47.3,19.55S,173.67W,h9km,mb5.3/32,mb5.6/20, Ms5.4/6,Ms7.5/14

IDC 13 17:52:47.0,0.5,19.85S,174.14W,h0km,mb4.7/18, mb1 4.8/19,mb1mx4.7/31,mbtmp4.7/19,ML5.0/1,MS4.0/33, Ms1 4.0/33,ms1mx4.0/29, Error ellipse: s-maj=21.5km s-min=13.9km az=124.0

NEIC 13 17:52:49.3,1.1,19.96S,173.99W,h24km,mb5.1/99, Error ellipse: s-maj=7.3km s-min=5.0km az=143.0

ISCJJB 13 17:52:50.2,0.1,19.99S,173.92W,0.04,h33km, mb5.0/130,MS4.1/32, Error ellipse: s-maj=5.9km s-min=3.2km az=124.0

GCMT 13 17:52:52.9,0.2,19.99S,173.51W,0.02,h27km,1km, MW5.1/89, Moment Tensor Solution, s43,c58; s89,c128; Duration: 0. Moment tensor: Scale 10^10Nm; Mr0.72±.17; Mw0.17±.16; Mw±.24±.14; Mw±.52±.32; Mw±.35±.10; Mw±.0.8±.25; Best double couple: Mw4.88400±10^16 NP1±0.00000°,δ56.00000°,λ34.00000°. NP2: φ±15.00000°,δ56.00000°,λ174.00000°. Principal axes: T 4.6180, Plg2.07000°, Azm13.00000°; P -5.1500, Plg20.0000°, Azm236.0000°. nstaz1 refers to body waves, cutoff=40s. nstaz2 refers to surface waves, cutoff=50s. Triangular moment-rate function.

MOS 13 17:52:53.4,3.0,19.61S,174.30W,h33km,mb5.1/36, MS4.0/10, Error ellipse: s-maj=10.8km s-min=8.8km az=66.0

ISC 13 17:52:50.6,0.5,19.94S,107.06E,h26km,mb3km, h26km;pp-P,459,φ140/457,mb5.0/130,MS4.2/32, 37C-21D, Tonga Islands

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TUWZ, NNZ, QRZ, etc.

13d 17h

Table with columns: LPGA, Name, Score, Par, Hcp, Date, and other details. Includes entries like La Paz, Mount Baldy Ra, Vestal, Richgr, etc.

2012 OCT

Table with columns: LPGA, Name, Score, Par, Hcp, Date, and other details. Includes entries like Longmire, Longmire, Pilot Rock, Mudanjiang, etc.

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Table with columns: GYA, Name, Score, Par, Hcp, Date, and other details. Includes entries like Juntas, Pattaya, NAYO, TOLK, etc.

Table with columns for call sign, frequency, mode, and other technical details. Includes stations like CLL, BUR08, BRG, UZH, DPC, etc.

Table with columns for call sign, frequency, mode, and other technical details. Includes stations like VTS, FUORN, DIVRS, etc.

ITC 13 17:58:59.1 to 10.0, 36.22N, 70.92E, h137km, 95km, mb3.4/6, mb1 3.5/10, mb1mx3.2/45, mbtmp3.9/10, Error ellipse: s-maj=5.1km s-min=20.5km az=21.0

Table with columns for Code, Station Name, Az, Az2, Phase ID, Time Res, h m s, ISC. Includes stations like KBL, NIL, SFL, SFK, ANL, etc.

Table with columns for call sign, frequency, mode, and other technical details. Includes stations like KIEV, BUR04, BJL, etc.

13D 18h

ISCJB 13 18:08:37.5:0.6, 43.83N, 107.105:30W, 0.08, h0km, Error ellipse: s-maj=11.0km s-min=7.0km az=147.8

NEIC 13 18:08:38.6:0.8, 43.77N, 105.21W, h0km, ML3.3, Error ellipse: s-maj=15.9km s-min=9.3km az=151.0, Suspected Mining explosion.

NEIC 63 km [39 miles] SSE of Gillette. ISC 13 18:08:38.9:1.1, 43.82N, 105.29W, 0.08, h0km, n15, r1523/13, Wyoming

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Black Hills, Lasa Array, Pinedale Array, Boulder Array, etc.

IDC 13 18:10:41.4:1.2, 24.38N, 121.71E, h0km, mb3.6/6, mb1 3.6/7, mb1mx3.5/4.3, mbtmp3.5/7, ML3.2/1, Error ellipse: s-maj=7.1km s-min=18.8km az=68.0

JMA 13 18:10:42.5:0.2, 24.40N, 121.41E, h2km, mb3.4, TAP 13 18:10:42.4, 24.40N, 121.49E, h0km, ML3.8, C

ISCJB 13 18:10:43.1:0.2, 24.41N, 121.50E, 0.01, h3km, 2km, mb3.5/6, Error ellipse: s-maj=1.9km s-min=1.4km az=39.2

ISC 13 18:10:42.8:0.9, 24.41N, 121.49E, 0.01, h6km, 6km, n121, r0971/193, mb3.4/6, 37C-9D, Taiwan

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Datong, Nan Shan, ENA, NANB, ENT, etc.

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Table with columns: SBCB, Hsinchu, HSN, Hsinchu, HSN, NCUH, Zhongli, NCU, National Center, NCU, Taipei, etc. Includes station names and associated data.

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Table with columns: YOJ, Yonaguni jima, WSF, Sshu, WSF, Ta-pu, WTP, Ta-pu, STYT, Taupuan, TWK, Hsiuying, SGST, Jiashian, SGST, Yiju, CHN8, Sandimen, TWG, Pinlang, TWGBT, Beinan, CHN3, Shinhua, SCLT, Jiali, SCLT, TAI1, Yung-kang, SSD, Sandimen, TWG, Shoushan, ECL, Tainai, PTTC, Pingtan, VWUC, VWUC, MASBT, Mashibuluo, PNG, Penghu, PHUB, P'eng-hu, WDG, Tungji, IRIF, Iriomote-Funau, IRIF, SCZT, Fangliu, MATB, Ma-tsu, VCHM, Oimei, PTMZ, Houxiangcun, JKRS, Kuro-shima, JKRS, JIJ, Ishigaki jima, JIJ, JISG, Ishigakijimahi, JISG, LYJJ, Jianjiangzhen, XPSS, Dashiqiu, KNM, Kinmen, MHZO, Yeshan, KNMB, Chimen Tao, JTJ, Tarama, ZPLA, Ao Xicun, KRSR, Kuoia Array, SOMN, Songino Array, MKAR, Makanchi Array, ZALV, Zalesovo Beam, WRA, Warramunga Arr, ASAR, Alice Springs, FINES, FINES Array B, etc.

IDC 13 18:33:16.9:5.4, 8.44S:127.45E, h52km, 52km, mb3.7/1, mb1 3.6/5, mb1mx3.2/4.3, mbtmp3.6/5, ML3.4/4, Error ellipse: s-maj=46.9km s-min=21.0km az=17.0, Taiwan region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Baumata, FITZ, FITZ, WRA, WRA, ASAR, ASAR, STKA, etc.

THR 13 18:44:08.3:0.4, 42.05N, 46.20E, h18km, 87km, ML4.5, BUI 13 18:44:09.9, 41.80N, 46.30E, h15km, mb4.7/29, mb5.1/18, MS4.5/12, MS7.4/2/11, IDC 13 18:44:09.6:0.5, 41.73N, 46.36E, h0km, mb4.2/21, mb1 4.3/32, mb1mx4.2/4.7, mbtmp4.1/32, ML3.7/11, MS3.9/25, Ms1 3.9/25, ms1mx3.7/4.2, Error ellipse: s-maj=8.8km s-min=7.1km az=164.0, ISCJB 13 18:44:10.9:0.1, 41.81N, 0.01, 46.38E, 0.01, h10km, mb4.5/95, MS4.0/18, Error ellipse: s-maj=1.5km s-min=1.3km az=23.1, AZER 13 18:44:10.8:0.0, 41.62N, 46.29E, h5km, m4.5/30, Error ellipse: s-maj=1.1km s-min=0.6km az=349.0, MOS 13 18:44:10.6:1.7, 41.68N, 46.36E, h12km, mb4.7/39, Error ellipse: s-maj=3.8km s-min=3.0km az=118.3, MOS Felt (I) at Makhachkala, NEIC 13 18:44:11.2:0.7, 41.83N, 46.33E, h9km, 5km, mb4.6/61, ML4.6(AZER), ML4.6(TIF), Error ellipse: s-maj=4.2km s-min=2.5km az=186.0, NEIC Felt (III) at Tbilisi, NEIC 13 18:44:11.7:0.0, 41.74N, 46.35E, h17km, MPVA5.1, NORS 13 18:44:11.5:41.73N, 46.35E, h10km, MS4.7, TIF 13 18:44:11.6:41.75N, 46.31E, h14km, 1km, MOS 13 18:44:11.0:0.0, 41.75N, 46.32E, h1km, MPVA5.2, DRS 13 18:44:13.5:0.0, 41.76N, 46.27E, h15km, NNC 13 18:44:16.8:4.5, 41.90N, 46.61E, h34km, 34km, mb4.5, Error ellipse: s-maj=25.7km s-min=15.4km az=64.0, DDA 13 18:44:22.7, 41.30N, 45.22E, h5km, ML4.3, ISC 13 18:44:12.3:0.5, 41.75N, 0.01, 46.28E, 0.01, h16km, 3km, n558, r1974/667, mb4.6/105, MS4.1/19, 91C-58D, Eastern Caucasus

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Zakatala, Zakatala, Zakatala, Zaqatala, etc.

Table with columns: PKIN, PHULCHOKI, 34.83 101 eP, P, 18 51 03.5 +0.8, etc. Lists various station codes and their associated data.

Table with columns: MJAR, PETK, TOLK, COLD, IM3, BOS, ILAR, ILAR, ILB, CCB, HDA, DAWY, SKT, ULM, NEW, NEW, NEW, PDAR, PDAR, Y49A, NVAR, etc. Lists various station codes and their associated data.

Table with columns: ULM, NVAR, IDC 13 20:21:03.9, BATI, BATI, FITZ, FITZ, WRA, WRA, ASAR, MKAR, etc. Lists various station codes and their associated data.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, ISC. Includes stations like WUAZ Wupatki, MVOCA Mesa Verde, MVOCA Mesa Verde, etc.

mb1 4.3/11, mb1mx4.0/48, mbtmp4.0/11, ML3.7/6, MS4.0/19, Ms1 4.1/19, ms1mx4.0/27, Error ellipse: s-maj=29.8km s-min=13.3km az=36.0

GCMT 13 20:41:26.0L:0.5,25:39N:0.02:113:35W:0.02,h138km,2km, MW4.8/2, Moment Tensor Solution. s12,c13; s82,c105; Duration: 0 Moment tensor: Scale 10^16Nm; Mr0.21+-0.09; Mw-2.30+-1.2; Mw-2.08+-1.0; Mw0.37+-2.3; Mw0.38+-0.9; Mw0.70+-2.4; Best double couple: M2:36700x10^16 Np1:3651.000000, 882.000000, 119.000000; Principal axes: 2:3620, Plg19.000000, Azm276.000000; N:0.0020, Plg170.000000, Azm74.000000; P:2.3710, Plg7.000000; Azm184.000000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

MEX 13 20:41:27.0L:0.5,25:16N:113:06W,h9km,22km,MD4.4 NEIC 13 20:41:27.0L:0.5,25:16N:113:06W,h9km,mb4.5/112, MD4.4(MEX), After MEX.

ISC 13 20:41:26.6:0.7,25:31N:0.06:113:08W:0.07,h10km, n338,r1643/307,mb4.6/44,MS4.1/16,Off west coast of Baja California

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, ISC. Includes stations like SRIG Santa Rosalia, LPIG La Paz, LPIG La Paz, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, ISC. Includes stations like CWC Cottonwood Cre, TPVU Topopah Spring, TPVU Topopah Spring, etc.

IDC 13 20:39:23.4:10.0,48:85S:124:93E,h0km,mb3.6/4, mb1 3.9/4,mb1mx3.7/119,mbtmp3.7/4,MS3.5/4,Ms1 3.4/4, ms1mx3.2/11,Error ellipse: s-maj=241.0km s-min=51.4km az=160.0,Western Indian-Antarctic Ridge

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, ISC. Includes stations like H01W1 Cape Leeuwin H, H01W2 Cape Leeuwin H, etc.

ISCJB 13 20:41:24.2:0.5,25:24N:0.04:113:21W:0.03,h10km, mb4.5/44,MS4.0/16, Error ellipse: s-maj=6.2km s-min=2.8km az=26.2

IDC 13 20:41:24.4:1.2,25:26N:113:00W,h0km,mb4.0/5,

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, ISC. Includes stations like OMMB Old Mammoth Mi, TCPU Toone Peaks R, etc.

YBHV Yreka Blue Hor 18.22 336 P 0.1mm,0.3s,baz=122,slow=5.5,SNR=12

Table with columns: YBH, TPAW, TUL1, HLID, FXWY, LOHW, MOOW, L04D, 341A, K05A, J08A, 140A, IMW, CMIG, FLWY, 241A, YPP, J05D, H17A, MIAR, 342A, WLAR, LKWY, W39A, Z41A, YMR, I07A, YHB, MCMT, YHH, PINE, QLMT, KSU1, HHAR, X40A, BMO, T38A, RLST, RLMT, DLMT, I05D, RSSD, RSSD, BOZ, BOZ, V40A, W41B, G08A, 344A, H04A, G06A, S39A, F10A, G05D, F07A, HRY, MSO, MSO, G03D, CCIG, E09A, F05D, HAWA, E08A, E07A, LAO, LAO, T42A, D08A, 146A, JMTT, OXF, CCM, PBMO, LON, LTY, ECSD, ECSD, E03A, C09A, EGMT, D05A, FVM, N39A, NEW

Table with columns: NEW, SCIA, TEIG, B08A, APG, WALA, N41A, B06A, DGMT, WVT, X48A, SPMN, 152A, Y52A, AGMN, TKL, ULM, YKA, OTAV, ROSC, TAOE, ILI, ILAR, ILAR, IM3, PMOR, VAH, RKT, TIAR, TVO, PPT2, LPAZ, PEA1, PETK, H11N3, H11N2, H11N1, H11S1, H11S2, H11S3, CPUP, PLCA, NB2, NB20, NOA, NRIK, FIAO, FINES, ESDC, KSRS, KEST, SONM, ZALV, WRA, WRA, CMAR

ISCJB 13 20:57:13.5i:0.6,27:40N:0.07x:140:1E:0.1, h400km, mb3.3/8, Error ellipse: s-maj=14.7km s-min=7.4km az=149.3

IDC 13 20:57:13.7i:0.8,27:36N:140:08E, h389km, mb3.0/7, mb1.3/2.0, mb1mx2.9/4.0, mbtmp3.8/9, Error ellipse: s-maj=23.2km s-min=14.7km az=69.0

JMA 13 20:57:16.1i:0.1,27:69N:140:88E, h411km, M3.6

ISC 13 20:57:14.8i:0.8,27:47N:0.09:140:3E:0.1, h400km, n22, c132/25, mb3.4/8, Bonin Islands region

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

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

JMA 13 21:44:02.3i:0.4,25:68N:126:38E, h1km, 3km, M3.5, Ryukyu Islands

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

SJA 13 22:04:15.5i:0.6,29:56S:72:24W, h10km, 44km, ML3.9, MW2.5

ISCJB 13 22:04:18.0i:2.3,29:60S:0.06:72:29W:0.09, h15km, 16km, mb4.0/1, Error ellipse: s-maj=12.7km s-min=9.4km az=8.7

GUC 13 22:04:19.0i:0.5,29:69S:71:94W, h46km, 5km, ML4.0

IDC 13 22:04:48.1i:9.0,26:29S:70:32W, h140km, 59km, mb3.4/3, mb1.3/4.5, mb1mx3.2/33, mbtmp3.7/5, MS2.9/1, Ms1.2.9km, ms1mx2.5/13, Error ellipse: s-maj=107.2km s-min=25.9km az=30.0

ISC 13 22:04:18.0i:2.4,29:62S:0.05:72:11W:0.08, h5km, 13km, n25, c26/33, 2D, Off coast of central Chile

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Leonicito, El Roble, Vinchina, Cerro Calan, etc.

IDC 13:22:31:06.71.5.1.30S:126.91E,h0km,mb3.1/2, mb1 3.4/4,mb1mx3.2/40,mbtmp3.2/4,ML3.2/2, Error ellipse: s-maj=36.3km s-min=25.0km az=53.0, Southern Molucca Sea

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

NEIC 13:22:31:56.4.0.9.22.72S:176.56W,h35km,mb4.5/6, Error ellipse: s-maj=20.6km s-min=16.4km az=90.0

IDC 13:22:32:04.56.16.0.22.99S:176.73W,h101km,137km, mb4.1/2,mb1 4.3/7,mb1mx3.9/30,mbtmp4.4/7,ML3.9/1, Error ellipse: s-maj=93.2km s-min=44.1km az=13.0

ISC 13:22:32:07.3.1.0.23.03S:02.176.8W,0.2,h124km,n18, c0577/21,mb4.5/11, South of Fiji Islands

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

IDC 13:22:36:22.7.0.5.16.59S:174.57W,h0km,mb4.5/17, mb1 4.7/20,mb1mx4.7/29,mbtmp4.5/20,ML3.9/3,MS4.7/18, Ms1 4.7/18,ms1mx4.6/24, Error ellipse: s-maj=19.0km s-min=13.3km az=142.0

GCMT 13:22:36:27.8.0.1.16.62S:01.01:174.40W:0.01,h12km, MW5.3/122, Moment Tensor Solution. s68,c102, s122,c221; Duration: 1s0 Moment tensor: Scale 10^17 Nm; Mn=0.87±0.1; Mw=0.01±0.1; M0=0.88±0.1; Mw=0.04±0.4; M0=0.08±0.1; Mw=0.42±0.3; Best double couple: Mo:0.97400x10^17 NP1:0.180.00000°,δ58.00000°,λ-95.00000°,NP2:0.10.00000°,δ33.00000°,λ-82.00000°

Principal axes: T 0.9810, Plg13.0000°, Azm274.0000°, N -0.0150, Plg4.0000°, Azm183.0000°, P -0.9670, Plg77.0000°, Azm75.0000°; nstia1 refers to body waves, cutoff=40s, nstia2 refers to surface waves, cutoff=50s. Triangular moment-rate function

MOS 13:22:36:27.9.1.5.16.94S:174.46W,h33km,mb3.3/35 Error ellipse: s-maj=9.9km s-min=8.3km az=53.3

ISCJB 13:22:36:29.2.1.3.16.91S:01.04:174.46W:0.03, h48km,11km,mb5.1/183,MS4.7/20, Error ellipse: s-maj=7.7km s-min=4.4km az=153.6

BUI 13:22:36:30.1.17.00S:174.40W,h57km,mb5.0/34, mb5.6/23,Ms5.3/12,Ms7.5/011

NEIC 13:22:36:30.8.1.1.16.89S:174.48W,h50km,10km, mb2.5/1147, Error ellipse: s-maj=7.2km s-min=4.0km az=148.0

ISC 13:22:36:31.2.0.7.16.98S:01.06:174.38W:0.05,h52km,6km, n645,c185/648,mb5.1/183,MS4.8/22,42C-35D, Tonga Islands

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

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM, TARA, URZ, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA, ASO1, AS31, etc.

VCNR	Virginia City	75.78	41	eP	P	22 48 13.0	+1.1
YERR	Yerington	75.85	41	eP	P	22 48 12.5	+0.1
GMRC	Granite Mounta	75.87	47	P	P	22 48 12.5	+0.1
M04C	Macdoel	75.96	38	P	P	22 48 11.5	-1.3
TUQ	Turquoise Moun	76.04	46	P	P	22 48 12.1	-1.3
RYN	Ryan	76.10	42	eP	P	22 48 14.4	+0.6
NV01	Mina Array Sit	76.12	42	eP	P	22 48 12.4	-1.6
NVAR	Mina Array Bea	76.12	42	P	P	22 48 11.4	-2.6
113A	Mohawk Valley,	76.22	49	P	P	22 48 14.3	+0.3
PAHR	Pah Rah Range	76.18	41	eP	P	22 48 14.0	-0.2
CISI	Cisompet, Garu	76.21	266	eP	P	22 48 15.4	+0.6
NV11	Mina Array Sit	76.22	42	eP	P	22 48 13.1	-1.4
KSM	Kuching	76.40	276	eP	P	22 48 15.4	-0.4
LDFC	Landfair	76.41	46	eP	P	22 48 14.8	-0.7
KVN	Kaiserville	76.61	42	eP	P	22 48 15.2	-1.5
KVN	Kaiserville	76.61	42	eP	P	22 48 15.2	-1.5
KSR5	Korea Array	76.63	316	P	P	22 48 15.2	-1.3
TPNV	Topopah Spring	76.64	44	eP	P	22 48 16.8	-0.1
TPNV	Topopah Spring	76.64	44	eP	P	22 48 16.8	-0.1
TPNV	Topopah Spring	76.64	44	P	P	22 48 15.7	-1.1
KS15	Wonju Array Si	76.65	316	eP	P	22 48 15.2	-1.5
KSAR	Wonju Array Be	76.65	316	P	P	22 48 15.2	-1.5
KSAR	Wonju Array Be	76.65	316	P	P	22 48 15.2	-1.5
KS01	Wonju Array Si	76.66	316	eP	P	22 48 14.8	-2.0
MOD	Modoc Plateau	76.76	38	eP	P	22 48 17.4	-1.0
K05A	Summer Lake	77.09	37	eP	P	22 48 19.7	+0.3
K05A	Summer Lake	77.09	37	eP	P	22 48 19.7	+0.3
SHPR	Sheep Range	77.13	45	eP	P	22 48 23.4	+4.1
J05D	Fort Rock, OR	77.24	37	P	P	22 48 17.8	-2.3
W13A	Hualapai Mount	77.27	47	eP	P	22 48 21.2	+0.7
Y14A	Wickenburg	77.30	48	eP	P	22 48 21.2	+0.7
G03D	McMinnville, O	77.33	34	P	P	22 48 19.6	-0.7
PINE	Pine Mountain	77.72	37	eP	P	22 48 24.2	+1.4
R11A	Troy Canyon, C	77.85	43	eP	P	22 48 22.1	-1.5
R11A	Troy Canyon, C	77.85	43	eP	P	22 48 21.6	-2.0
BMN	Battle Mountai	77.95	41	eP	P	22 48 24.4	+0.3
BMN	Battle Mountai	77.95	41	eP	P	22 48 24.4	+0.3
TUC	Tucson	78.11	51	eP	P	22 48 24.6	-0.5
TUC	Tucson	78.11	51	eP	P	22 48 24.6	-0.5
TUC	Tucson	78.11	51	P	P	22 48 24.6	-0.5
X16A	Lo Mill Camp, P	78.66	49	eP	P	22 48 27.7	-0.6
LCMT	Little Creek M	78.71	46	eP	P	22 48 29.1	+0.7
319A	Douglas	78.80	52	eP	P	22 48 29.7	+0.7
J08A	Circle Bar, On	78.89	38	eP	P	22 48 30.0	+0.9
J08A	Cedar City	78.91	45	eP	P	22 48 33.1	-4.6
CCUT	Canab	79.00	46	eP	P	22 48 29.4	-0.2
KNB	Canab	79.00	46	eP	P	22 48 29.3	-0.7
U15A	North Rim	79.06	47	eP	P	22 48 29.4	-1.1
PSUT	Pine Spring	79.09	44	eP	P	22 48 30.1	-0.4
SZCU	Shurtz Canyon	79.12	45	eP	P	22 48 30.4	-0.3
WUAZ	Wupatki	79.25	48	eP	P	22 48 31.3	-0.1
WUAZ	Wupatki	79.25	48	P	P	22 48 30.2	-1.3
PKCU	Pink Cliffs	79.57	46	eP	P	22 48 32.9	-0.4
MDJ	Mudanjiang	79.70	323	eP	P	22 48 33.7	+0.3
G08A	Pilot Rock	79.76	36	eP	P	22 48 33.9	0.0
X18A	Snowlflake	79.79	49	eP	P	22 48 34.4	0.0
MTPU	Mount Pierson	79.96	45	eP	P	22 48 36.0	+0.6
MSU	Marysval	80.20	45	eP	P	22 48 37.1	+0.5
MSU	Marysval	80.20	45	eP	P	22 48 37.1	+0.5
NJ2	Nanjing	80.37	308	eP	P	22 48 37.9	+0.6
BMO	Blue Mountains	80.44	37	eP	P	22 48 38.3	+0.8
121A	Cookes Peak, D	80.46	52	P	P	22 48 38.0	0.0
DUG	Dugway, Tocoel	80.65	43	eP	P	22 48 38.1	-0.7
DUG	Dugway, Tocoel	80.65	43	eP	P	22 48 38.1	-0.7
DUG	Dugway, Tocoel	80.65	43	P	P	22 48 37.4	-1.4
PMR	Palmer	80.85	12	eP	P	22 48 38.2	-0.9
PMR	Palmer	80.85	12	eP	P	22 48 38.2	-0.9
BGU	Big Grassy Mou	80.89	42	eP	P	22 48 40.4	+0.2
GHO	Glory Hole Cre	81.05	12	eP	P	22 48 40.7	+0.3
F10A	Beach Ranch, E	81.14	36	eP	P	22 48 41.5	+0.3
DIV	Divide	81.14	14	eP	P	22 48 38.5	-2.3
BMRM	Bremner River	81.27	14	eP	P	22 48 39.5	-2.0
KLR	Kuldur	81.33	328	eP	P	22 48 44.4	+2.4
HLID	Halley	81.44	40	eP	P	22 48 43.3	+0.3
HLID	Halley	81.44	40	P	P	22 48 41.3	-1.7
HVU	Hansel Valley	81.50	42	eP	P	22 48 43.5	+0.1
HVU	Hansel Valley	81.50	42	eP	P	22 48 46.6	+3.3
HVU	Hansel Valley	81.50	42	P	P	22 48 43.5	+0.1
SRU	San Rafael Swe	81.62	45	eP	P	22 48 43.9	-0.2
SRU	San Rafael Swe	81.62	45	eP	P	22 48 47.4	+3.3
SRU	San Rafael Swe	81.62	45	P	P	22 48 43.9	-0.2
P17A	Butcher Ranch,	81.66	45	eP	P	22 48 44.3	0.0
PN2	Changchun	81.69	321	eP	P	22 48 48.8	+4.5
PN2	Changchun	81.69	321	eP	P	22 48 43.8	-0.3
LAZ	Ladron	81.78	50	eP	P	22 48 45.1	+0.1
LENM	Lemitar	81.80	81	eP	P	22 48 44.8	+0.4
MNTX	Cornudas Moun	81.92	53	eP	P	22 48 45.0	-0.5
MNTX	Cornudas Moun	81.92	53	P	P	22 48 44.9	-0.7

TCUT	Toone Canyon	82.04	43	eP	P	22 48 46.6	+0.3
BNM	Barren Site	82.05	51	eP	P	22 48 47.2	+0.7
P18A	Prescott Nutter	82.06	45	eP	P	22 48 46.5	-0.1
PV05	Paradox Valley	82.09	46	eP	P	22 48 47.1	+0.5
MVCO	Mesa Verde	82.10	47	eP	P	22 48 48.0	+1.3
MVCO	Mesa Verde	82.10	47	eP	P	22 48 51.4	+4.7
LPMC	Los Pinos Moun	82.12	51	eP	P	22 48 47.3	+0.5
LPM	Los Pinos Moun	82.12	51	eP	P	22 48 51.8	+5.0
HWUT	Hardware Ranch	82.19	42	eP	P	22 48 47.1	+0.1
TX31	Lajitas Ar. Si	82.27	56	eP	P	22 48 46.7	-0.9
TX31	Lajitas Ar. Si	82.27	56	eP	P	22 48 47.4	-0.2
TXAR	Lajitas Array	82.27	56	P	P	22 48 46.6	-1.0
PV19	Morning Glory	82.28	46	eP	P	22 48 47.3	-0.3
PV14	Lion Creek, Pa	82.29	46	eP	P	22 48 47.5	-0.2
PV17	East Wray Mesa	82.29	46	eP	P	22 48 47.2	-0.5
PV18	Skein Mesa, Pa	82.31	46	eP	P	22 48 47.2	-0.5
PV20	West Nyswonger	82.31	46	eP	P	22 48 47.4	-0.3
PV13	Radium Mtn., P	82.32	46	eP	P	22 48 47.4	-0.4
PV16	Nyswonger Mesa	82.33	46	eP	P	22 48 48.0	+0.2
PV23	Carpenter Ridge	82.33	46	eP	P	22 48 47.7	-0.2
TRF	Thorofore Moun	82.34	11	eP	P	22 48 47.4	+0.2
PV03	Paradox Valley	82.35	46	eP	P	22 48 47.0	-0.9
PV11	David Mesa, Pa	82.36	46	eP	P	22 48 47.5	-0.4
PV02	Paradox Valley	82.41	46	eP	P	22 48 48.3	0.0
PV21	Scone Mtn., Pa	82.41	46	eP	P	22 48 48.0	-0.3
PV12	Sauer Basin,	82.41	46	eP	P	22 48 47.5	-0.8
PV01	Paradox Valley	82.49	47	eP	P	22 48 47.6	-1.1
PV22	Blue Mesa, Pa	82.53	46	eP	P	22 48 49.0	+0.2
ANMO	Albuquerque	82.53	50	eP	P	22 48 48.2	-0.8
ANMO	Albuquerque	82.53	50	eP	P	22 48 47.7	-1.3
ANMO	Albuquerque	82.53	50	P	P	22 48 47.3	-1.6
DHY	Denali Highway	82.55	12	eP	P	22 48 46.6	-1.7
RND	Reindeer	82.56	11	eP	P	22 48 46.1	-2.2
RND	Reindeer	82.56	11	eP	P	22 48 46.1	-2.2
PAX	Paxson	82.84	13	eP	P	22 48 48.1	-1.7
PAX	Paxson	82.84	13	eP	P	22 48 48.1	-1.7
MCMT	McKenzie Canyo	83.07	39	eP	P	22 48 50.8	-0.8
MCMT	McKenzie Canyo	83.07	39	eP	P	22 48 54.4	+2.9
AHID	Auburn Hatcher	83.08	41	eP	P	22 48 51.0	-0.6
WHN	Wuhan	83.20	305	P	P	22 48 52.9	+0.7
MISO	Missoula	83.50	37	eP	P	22 48 54.0	+0.5
MISO	Missoula	83.50	37	P	P	22 48 53.1	-0.5
DLMT	Dillon	83.50	39	eP	P	22 48 54.0	+0.3
TIA	Tai'an	83.51	311	P	P	22 48 56.8	+3.1
S22A	4UR Ranch, Cre	83.53	48	P	P	22 48 52.9	-1.3
REDW	Red Top Meadow	83.54	41	eP	P	22 48 53.1	-0.9
TPAW	Teton Pass	83.54	41	eP	P	22 48 53.8	-0.3
FWXY	Fox Creek	83.57	41	eP	P	22 48 53.6	-0.6
O20A	White River Ci	83.66	45	eP	P	22 48 55.0	+0.3
O20A	White River Ci	83.66	45	P	P	22 48 52.8	-1.9
RIDG	Independen't R	83.66	13	eP	P	22 48 53.7	-0.2
WRH	Wood River Hill	83.67	11	eP	P	22 48 51.4	-2.5
IMW	Indian Meadow	83.75	41	eP	P	22 48 53.9	-1.3
SEY	Seymchan	83.79	345	eP	P	22 48 53.3	-1.2
MOOV	Moose Ponds	83.80	41	eP	P	22 48 54.0	-1.4
MOOV	Moose Ponds	83.80	41	eP	P	22 48 58.7	+3.4
LOHW	Long Hollow	83.82	41	eP	P	22 48 53.9	-1.6
HDA	Harding Lake	83.83	12	eP	P	22 48 51.7	-3.0
HDA	Harding Lake	83.83	12	P	P	22 48 54.8	+0.1
HDA	Harding Lake	83.83	12	P	P	22 48 51.1	-3.6
CCB	Clear Creek Bu	83.88	11	eP	P	22 48 52.3	-2.7
FLWY	Flagg Ranch	84.00	41	eP	P	22 48 55.5	-0.9
YHB	Horse Butte	84.03	40	eP			

Table with columns: FAKI, Fak Fak, 10.06 268 P, Pn, 23 10 18.5 +0.5, etc. Includes stations like FAKI, FAKI, FAKI, FAKI, FAKI, etc.

Table with columns: BBOO, Buckleboo, 30.65 190 eP, P, 23 14 07.9 +0.4, etc. Includes stations like BBOO, PWJI, Hallet, etc.

Table with columns: KMI, pP, pP, 23 16 29.6 +4.2, etc. Includes stations like KMI, KMI, KMI, KMI, KMI, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, and other parameters. Includes stations like U39A Green Forest, MOTA Moosalm, V39A Pettigrew, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, and other parameters. Includes stations like U49A Red Boiling Sp, ACSSO Alum Creek Sta, R50A Paris, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, and other parameters. Includes stations like SAML Samuel, SAML Samuel, PTGA Pitinga, and a detailed list of stations under MEX 13 23:25:58.3z1.4, 16:01N-97:65W, h16km, 18km, MD3.5, Oaxaca.

MKAR	comp-Z,32nm,0.8s	51.84 345	P	01 11 46.0 +0.5
MKAR	comp-Z,28nm,0.7s,baz=149,slow=8.2,SNR=209		LR	01 36 44.0
MAKZ	comp-Z,94nm,21.7s,baz=158,slow=40	51.93 344 eP	P	01 11 46.5 +0.3
MAKZ	comp-Z,17nm,0.9s	51.93 344 eP	P	01 11 46.5 +0.3
KK31	comp-Z,17nm,0.9s	52.91 333 eP	P	01 11 53.8 +0.2
KK31	Karatay Array	52.91 333 i P	P	01 11 53.0 -0.5
KK31	comp-Z,4.0nm,1.0s		Pmax	
KKAR	Karatay Array	52.91 333 eP	P	01 11 53.8 +0.2
KKAR	Karatay Array	52.91 333 eP	P	01 11 53.8 +0.2
MAJO	Matsushiro	52.91 39 eP	P	01 11 52.3 -1.4
MAJO	comp-Z,14nm,1.1s		P	
MAJO	Matsushiro	52.91 39 i P	Pmax	01 11 52.1 -1.6
MAT	comp-Z,13nm,1.0s		P	
MAT	Matsushiro	52.91 39 P	S	01 11 51.7 -2.0
MAT	comp-Z,14nm,1.1s		eS	01 19 26.6 +5.1
MJB9	Matsu-Tunnel	52.91 39 P	P	01 11 52.9 -0.8
MJAR	comp-Z,4nm,1.0s		P	
MJAR	Matsushiro Arr	52.91 39 eP	P	01 11 52.0 -1.7
ZAK	comp-Z,8.2nm,0.9s,baz=221,slow=8.2,SNR=18	53.09 3 eP	P	01 11 54.2 -0.6
ZAK	Zakamensk		Pmax	
KNGR	comp-Z,4.0nm,1.1s		P	
KNGR	Kungtung, Tuv	53.28 358 i P	P	01 11 56.8 +0.5
HVS	Khovu-Aksy	54.04 355 i P	Pmax	01 12 02.2 +0.4
HVS	comp-Z,14nm,1.0s		Pmax	
TLY	Talaya	54.40 3 eP	P	01 12 05.1 +0.8
TLY	comp-Z,13nm,1.4s		MLR	
TLY	comp-Z,579nm,17.0s		MLR	
HIA	Hailar	54.64 16 i P	Pmax	01 12 05.7 -0.4
HIA	comp-Z,25nm,1.3s		P	
USRK	Ussuriysk Ar.	54.88 28 P	P	01 12 07.8 -0.1
USRK	comp-Z,29nm,0.8s,baz=224,slow=6.3,SNR=50		LR	01 37 49.0
USRK	comp-Z,241nm,18.6s,baz=214,slow=38		LR	01 12 16.6 -0.3
GEYT	Alibek	56.10 320 P	P	01 12 16.6 -0.3
GEYT	comp-Z,2.6nm,1.0s,baz=123,slow=5.3,SNR=9.1		LR	01 38 52.7
GYA0B	ALIBECK ARRAY	56.10 320 eP	P	01 12 17.1 +0.1
OTUK	Ortayu	56.32 338 eP	Pmax	01 12 17.7 -0.5
OTUK	comp-Z,14nm,1.0s		Pmax	
KURK	Kurchatov	56.41 344 eP	P	01 12 19.1 +0.3
KURK	comp-Z,36nm,0.9s		Pmax	
KURK	Kurchatov	56.41 344 eP	Pmax	01 12 19.1 +0.3
ZAL0	comp-Z,36nm,0.9s		Pmax	
ZAL0	Zalesovo Array	57.99 349 eP	P	01 12 29.9 0.0
ZAL0	comp-Z,30nm,1.0s		P	
ZAL0	Zalesovo Beam	57.99 349 P	P	01 12 29.7 -0.2
KLR	comp-Z,22nm,0.9s,baz=163,slow=5.6,SNR=64	58.68 24 P	P	01 12 34.4 -0.4
KLR	Kul'dur		LR	
NV14	comp-Z,10nm,0.9s,baz=246,slow=6.8,SNR=19	58.14 349 i P	P	01 12 37.2 -0.6
RAYN	Novosibirsk	58.16 299 eP	P	01 12 39.3 +0.5
RAYN	Ar Rayn	59.16 299 eP	P	01 12 46.8 +0.3
RAYN	Ar Rayn	59.16 299 eP	P	01 12 39.3 +0.5
RAYN	Ar Rayn	59.16 299 eP	P	01 12 46.8 +0.3
HNR	Honiara	59.88 99 eP	P	01 12 43.4 -0.3
HNR	comp-Z,367nm,0.9s		P	
HNR	Honiara	59.88 99 eP	P	01 12 43.4 -0.3
HNR	comp-Z,367nm,0.9s		Pmax	
ZEA	Zeya	60.79 18 eP	Pmax	01 12 49.0 -0.2
ZEA	comp-Z,64nm,1.8s		MLR	
ZEA	comp-Z,700nm,16.0s		MLR	
ZEA	comp-N,600nm,14.0s		MLR	
ZEA	comp-E,300nm,14.0s		MLR	
BVA0	Borovoye Array	60.97 340 i P	Pmax	01 12 49.7 -0.8
BVA0	comp-Z,7.0nm,1.1s		Pmax	
BVAR	Borovoye Array	60.97 340 P	P	01 12 49.9 -0.7
BVAR	comp-Z,2.7nm,0.7s,baz=139,slow=9.0,SNR=20		P	
BRVK	Borovoye	61.04 340 eP	P	01 12 50.4 -0.6
BRVK	comp-Z,9.4nm,1.3s		Pmax	
BRVK	Borovoye	61.04 340 eP	Pmax	01 12 50.4 -0.6
BOD	comp-Z,9.0nm,1.3s		Pmax	
BOD	Bodaibo	61.50 8 eP	Pmax	01 12 53.7 -0.3
YSS	comp-Z,28nm,1.2s		P	
YSS	Yuzh-Sakhalins	62.18 32 eP	P	01 12 58.7 -0.1
YSS	comp-Z,27nm,1.9s		eP	01 13 06.4 -0.1
YSS	Yuzh-Sakhalins	62.18 32 i P	P	01 12 58.0 -0.7
YSS	comp-Z,3.4nm,1.3s		Pmax	
YSS	comp-Z,30nm,1.0s		Pmax	
YSS	comp-Z,40nm,0.9s		Pmax	
AB31	Akbulak array	62.38 332 i P	P	01 12 59.7 -0.4
AB31	comp-Z,15nm,0.8s		Pmax	
ABKAR	Akbulak array	62.38 332 eP	P	01 12 59.8 -0.3
KMBO	Kilima Mbogo	62.75 270 P	P	01 13 04.1 +0.5
KMBO	comp-Z,1.1nm,0.8s,baz=163,slow=13,SNR=2.6		P	
KMBO	Kilima Mbogo	62.75 270 eP	P	01 13 04.8 +1.3
KMBO	comp-Z,1.3nm,0.6s		P	
KMBO	Kilima Mbogo	62.75 270 eP	Pmax	01 13 04.8 +1.3
AKTO	comp-Z,1.0nm,0.6s		P	
AKTO	Aktuybinsk	64.10 332 P	P	01 13 11.0 -0.4
AKTO	comp-Z,3.9nm,0.8s,baz=109,slow=7.9,SNR=9.3		P	
AKTO	Aktuybinsk	64.10 332 P	Pmax	01 13 10.0 -1.5
TBLG	comp-Z,11nm,1.2s		P	
TBLG	Delisi	66.85 318 eP	P	01 13 30.7 +1.2
TBLG	comp-Z,16nm,1.1s		P	
TBLG	Delisi	66.85 318 eP	Pmax	01 13 30.7 +1.2
SVE	comp-Z,16nm,1.1s		P	
SVE	Sverdlovsk	67.46 338 i P	P	01 13 32.9 -0.1
ZEI	comp-Z,19nm,1.5s		Pmax	
ZEI	Tsey	67.88 319 eP	P	01 13 36.1 -0.1
ARU	comp-Z,6.0nm,0.8s		P	
ARU	Arti	67.98 337 d i P	P	01 13 36.2 -0.1
ARU	comp-Z,1.1nm,0.8s,baz=163,slow=13,SNR=2.6		S	01 13 04.1 +0.5
ARU	comp-Z,1.1nm,0.8s,baz=163,slow=13,SNR=2.6		SS	01 22 32.6 -1.2
ARU	comp-Z,1.1nm,0.8s,baz=163,slow=13,SNR=2.6		SS	01 26 50.7 -5.6
NCK	comp-Z,7.0nm,1.2s		P	
NCK	Nalchik	68.39 319 i P	Pmax	01 13 39.8 +0.6
YAK	comp-Z,7.0nm,1.0s		P	
YAK	Yakutsk	68.54 15 eP	P	01 13 37.5 -2.1
YAK	comp-Z,1.1nm,0.8s,baz=163,slow=13,SNR=2.6		eP	01 13 47.7 +0.2
YAK	comp-Z,1.1nm,0.8s,baz=163,slow=13,SNR=2.6		e	01 14 02.7
YAK	comp-Z,1.1nm,0.8s,baz=163,slow=13,SNR=2.6		e	01 16 05.7
YAK	comp-Z,1.1nm,0.8s,baz=163,slow=13,SNR=2.6		eP	01 17 46.3
YAK	comp-Z,1.1nm,0.8s,baz=163,slow=13,SNR=2.6		e	01 22 36.3 -3.9
YAK	comp-Z,1.1nm,0.8s,baz=163,slow=13,SNR=2.6		e	01 23 22.7
YAK	comp-Z,40nm,1.3s		Pmax	
YAK	comp-N,17nm,1.2s		Pmax	
YAK	comp-E,7.0nm,1.3s		Pmax	
YAK	comp-Z,8.0nm,0.6s		Pmax	
YAK	comp-E,5.0nm,0.6s		Pmax	
YAK	comp-N,9.0nm,0.9s		smax	
YAK	comp-N,49nm,3.8s		smax	
YAK	comp-E,185nm,4.9s		MLR	
YAK	comp-Z,365nm,19.0s		MLR	

YAK	comp-E,284nm,22.0s		MLR	MLR
YAK	comp-N,170nm,15.0s		MLR	MLR
KBZ	Khab	68.95 319 P	P	01 13 43.1 +0.5
KIV	Kislovodsk	69.19 319 eP	P	01 13 44.3 +0.1
KIV	comp-N,3.8nm,0.7s		P	
KIV	Kislovodsk	69.19 319 eP	S	01 13 45.1 +0.9
KIV	comp-Z,10.0nm,1.0s		Pmax	
MAW	Mawson	69.48 194 LR	LR	01 41 09.9
MAW	comp-Z,108nm,18.3s,baz=98,slow=8.3		LR	
NRIK	Noril'sk	72.53 355 P	P	01 14 03.2 -0.7
NRIK	comp-Z,2.6nm,0.4s,baz=143,slow=20,SNR=6.7		LR	01 49 50.1
NRIK	comp-Z,178nm,19.1s,baz=239,slow=39		LR	
VRH	Novokhoporsk	73.03 326 eP	P	01 14 06.3 -0.9
VRH	comp-Z,10.0nm,0.9s		eP	01 14 14.6 -0.5
VRH	comp-Z,10.0nm,0.9s		eP	01 14 14.6 -0.5
PETK	Petrozavlovsk	73.58 32 P	P	01 14 09.2 -1.2
PETK	comp-Z,9.9nm,0.9s,baz=123,slow=8.2,SNR=3.7		P	
BR131	Reskin Array B	73.90 313 eP	P	01 14 12.4 -0.4
BRTR	Reskin Array B	73.90 313 P	P	01 14 12.0 -0.8
BRTR	comp-Z,2.8nm,0.8s,baz=140,slow=6.8,SNR=24		LR	01 47 12.2
BRTR	comp-Z,5.2nm,21.0s,baz=89,slow=36		P	
VSR	Storozhevoye	74.47 325 eP	P	01 14 13.7 -2.0
VSR	comp-Z,10.0nm,0.9s		eP	01 14 22.1 -1.5
VSR	comp-Z,10.0nm,0.9s		eP	01 14 22.1 -1.5
LPSR	Galich'ya Gora	75.20 326 eP	Pmax	01 14 19.2 -0.6
LPSR	comp-Z,10.0nm,0.8s		P	
BOSA	Boshof	75.28 241 P	P	01 14 20.8 -0.2
BOSA	comp-Z,2.1nm,1.0s,baz=94,slow=8.1,SNR=2.8		LR	01 43 10.1
SEY	Seymchan	76.39 22 i P	P	01 14 26.5 +0.1
PRGR	Pernogore	76.44 336 eP	Pmax	01 14 25.4 -1.3
PRGR	comp-Z,16nm,1.0s		Pmax	
TIXI	Tiksi	76.68 9 P	P	01 14 26.7 -1.1
TIXI	comp-Z,9.7nm,0.9s,baz=119,slow=2.7,SNR=6.0		P	
TIXI	Tiksi	76.68 9 eP	P	01 14 26.8 -1.1
TIXI	comp-Z,16nm,1.1s		P	
TIXI	Tiksi	76.68 9 i P	P	01 14 27.2 -0.7
MOS	Moscow	77.22 329 eP	P	01 14 29.5 -1.8
OBN	Obninsk	77.51 328 i P	P	01 14 33.4 +0.5
OBN	comp-Z,2.4nm,1.7s		e	01 14 41.9
OBN	comp-Z,2.4nm,1.7s		e	01 17 27.9
KIEV	Kiev	80.17 322 i P	Pmax	01 14 49.7 +2.1
KIEV	comp-Z,5.0nm,1.1s		Pmax	
MLR	Muntele Rosu	80.92 317 P	P	01 14 51.6 -0.3
MLR	comp-Z,4.6nm,1.0s,baz=154,slow=7.2,SNR=6.1		P	
MLR	Muntele Rosu	80.92 317 eP	P	01 14 52.8 +0.8
MLR	comp-Z,2.4nm,2.0s		Pmax	
MLR	Muntele Rosu	80.92 317 eP	Pmax	01 14 52.8 +0.8
VNDA	Vanda	81.34 169 LR	LR	01 45 49.8
VNDA	comp-Z,7.75nm,21.0s,baz=320,slow=32		P	
VNDA	Vanda	81.34 169 eP	P	01 14 54.6 +1.2
VNDA	comp-Z,3.2nm,1.0s		P	
VNDA	Vanda	81.34 169 eP	Pmax	01 14 54.6 +1.2
VNDA	comp-Z,3.0nm,1.0s		Pmax	
BUR04	Bucovina Ar. S	81.90 319 eP	P	01 14 58.0 +0.9
BUR08	Bucovina Ar. S	81.92 319 eP	P	01 14 58.6 +1.4
FINES	FINES Array B	84.86 332 eP	P	01 15 11.9 0.0
FINES	comp-Z,1.5nm,0.7s,baz=101,slow=5.8,SNR=7.3		LR	01 58 21.4
VYHS	Vyhne	86.27 319 P	P	01 15 19.3 +0.1
VYHS	comp-Z,7.7nm,18.6s,baz=92,slow=39		P	
VYHS	Vyhne	86.27 319 eP	P	01 15 19.3 +0.1
NVL	N'azarevskaya	86.74 199 eP	P	01 15 28.7 +7.7
NVL	comp-Z,8.0nm,1.0s		Pmax	
ARCES	ARCES Array B	87.26 340 P	P	01 15 23.8 +0.2
ARCES	comp-Z,4.3nm,0.8s,baz=116,slow=5.5,SNR=8.1		P	
GEA0	GERESS Array S	89.69 319 eP	P	01 15 36.2 +0.6
GEA0	comp-Z,2.0nm,0.9s,baz=139,slow=9.0,SNR=20		P	
GEA0	GERESS Array S	89.69 319 eP	P	01 15 36.9 +1.2
GEA0	comp-Z,2.0nm,0.9s,baz=139,slow=9.0,SNR=20		P	
GEA0	GERESS Array S	89.69 319 eP	P	01 15 46.6 +0.9
GEA0	comp-Z,2.0nm,0.9s,baz=139,slow=9.0,SNR=20		P	
GEA0	GERESS Array S	89.69 319 eP	P	01 15 36.9 +1.2
GEA0	comp-Z,2.0nm,0.9s,baz=139,slow=9.0,SNR=20		P	
GEA0	GERESS Array B	89.69 319 eP	P	01 15 46.6 +0.9
GEA0	comp-Z,2.0nm,0.9s,baz=139,slow=9.0,SNR=20		P	
GEA0	GERESS Array B	89.69 319 eP	P	01 15 35.9 +0.2
BRG	Berggiesshubel	89.70 321 eP	P	01 15 36.3 +0.8
BRG	comp-Z,1.8nm,1.8s		P	
BRG	Berggiesshubel	89.70 321 eP	P	01 15 36.3 +0.8
BRG	comp-Z,1.8nm,1.8s		P	
BRG	Berggiesshubel	89.70 321 eP	P	01 15 39.0 +0.6
BRG	comp-Z,2.7nm,1.9s		P	
BRG	Berggiesshubel	89.70 321 eP	Pmax	01 15 39.0 +0.6
BRG	comp-Z,2.7nm,1.9s		Pmax	
NOA	NORF Array B	91.88 331 LR	LR	02 01 48.0
NOA	comp-Z,29nm,19.6s,baz=65,slow=39		LR	
KEST	Kesra	92.19 305 P	P	01 15 49.0 +1.4
KEST	comp-Z,3.0nm,0.8s,baz=36,slow=4.1,SNR=3.8		P	
TORD	Tordif Ar. Bea	98.75 293 LR	LR	01 57 00.5
TORD	comp-Z,44nm,21.2s,baz=325,slow=83		LR	
ILAR	Eielson Array	102.26 24 P	P	01 20 42.2 -2.2
ILAR	comp-Z,0.3nm,0.9s,baz=295,slow=7.0,SNR=4.5		LR	
O03E	Paynes Creek	126.94 40 P	PKPdf	01 21 41.2 -0.6
MSO	Missoula	127.20 29 P	PKPdf	01 21 42.0 -0.1
MSO	comp-Z,18nm,1.8s		P	
MSO	Bozeman (W)	129.19 28 P	PKPdf	01 21 46.4 +0.3
MSO	comp-Z,18nm,1.8s		P	
MSO	Haley	129.24 32 P	PKPdf	01 21 47.1 +0.9
MSO	comp-Z,18nm,1.8s		P	
MSO	Edwards Air Fo			

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Chaparral WMA, Piedmont, Louisville, etc.

CNRM 14 01:20:13.9,36.31N;9.71W,h89km,ML2.9
MDD 14 01:20:16.4,0.9,36.41N;9.91W,h40km,mbL2.9
Error ellipse: s-maj=9.4km s-min=6.7km az=90.0,PRXIMO

SFS 14 01:20:16.0,36.45N;9.91W,h30km,ML2.8,SW. CABO DE SAN VICENTE
IGIL 14 01:20:17.3,36.49N;9.76W,h10km,ML2.4
INMG 14 01:20:17.5,1.4,36.49N;9.78W,h14km,5km,ML2.3,Error ellipse: s-maj=5.5km s-min=3.6km az=48.0

ISC 14 01:20:13.4,2.4,36.47N;0.08;9.84W;0.08,h10km,n78, e2501/130,4C,West of Gibraltar

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Vila Bisbo, Marquete, Sao Teotónio, etc.

Table with columns: EVO, EVO, EVO, etc. Includes stations like Evora, Barrancos, Almeirim, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Bering, Krutoberegovo, Mys Shipunski, etc.

DJA 14 01:43:48.5,1.3,9.5S;11.3E;1,h32km;15km,M3.7/12, ML3.7/12, South of Java

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Gumukmas, Jagag, Banyuwya, etc.

IDC 14 01:49:17.5,1.6,16.47S;175.14W,h0km,mb3.9/4, mb1 4/14,mb1mx3.7/28,mbmt3.9/4,M53.6/13, MS1 3.6/13,ms1mx3.4/28,Error ellipse: s-maj=63.4km s-min=35.0km az=135.0, Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Afiamalu, Mont Dzumac, Urewera, etc.

Table with columns: STKA, Stephens Creek, 42.06 241 LR, LR, 02 12 11.5, WRA, Warramunga Arr, 47.98 258 P, P, 01 57 58.3 -0.2, WRA, comp=Z, 2.4nm, 18.0s, baz=10, slow=3.3, ASAR, Alice Springs, 48.19 253 P, P, 01 58 00.1 0.0, ASAR, comp=Z, 1.52nm, 18.6s, baz=87, slow=35, FITZ, Fitzroy Crossi, 56.39 256 LR, LR, 02 22 20.7, BATI, Baumata, 59.69 268 LR, LR, 02 23 04.1, PETK, Petropavlovsk, 73.15 343 LR, LR, 02 32 39.6, NVAR, Mina Array Bea, 76.24 43 LR, LR, 02 25 45.6, ILAR, Eielson Array, 83.82 12 P, P, 02 01 48.6 +0.2, MAW, Mawson, 86.25 199 P, P, 02 02 01.0 +0.3, CMAR, Chiang Mai Arr, 91.37 209 LR, LR, 02 40 17.4, BRTR, Keskin Array B, 145.89 319 PKPbc, PKPbc, 02 08 57.9 -1.0

IDC 14 02:17:04.5:1.2, 2.72S:139.46E, h0km, mb3.6/5, mb1 3.9/7, mb1mx3.726, mbtmp3.7/7, ML4.0/2, Error ellipse: s-maj=38.9km s-min=23.0km az=97.0

ISCJBJ 14 02:17:08.1:1.1, 2.70S:108.139E, 0.2, h35km, mb3.6/4, Error ellipse: s-maj=23.1km s-min=11.7km az=1.1

ISC 14 02:17:09.8:1.2, 2.79S:110.139E, 0.2, h35km, n7, 0.567/9, mb3.6x2.4, Near north coast of Irjan Jaya

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, SJIA, Sorong, 8.34 283 Op, Op, 02 19 08.7 +0.3, WRA, Warramunga Arr, 17.75 196 P, P, 02 21 43.2 -0.7, WRA, 0.4nm, 0.3s, baz=17, slow=13, SNR=2.0, FITZ, Fitzroy Crossi, 20.32 221 P, P, 02 21 43.0 -0.1, ASAR, Alice Springs, 21.42 194 P, P, 02 21 55.1 +0.1, ASAR, 1.2nm, 0.5s, baz=22, slow=9, SNR=1.5, S, 02 25 50.4 -0.6, MKAR, Makanchi Array, 70.27 322 P, P, 02 28 19.2 -0.5, VNSA, Vanda, 75.64 178 P, P, 02 28 52.0 +1.2, ILAR, Eielson Array, 85.63 24 P, P, 02 29 44.1 -0.4

SJA 14 02:21:33.5:0.7, 34.73S:73.09W, h24km, 84km, ML3.5, MW3.4

GUC 14 02:21:39.8:1.1, 34.40S:72.11W, h20km, 11km, ML3.8

ISCJBJ 14 02:21:40.2:1.5, 34.40S:0.04:72.10W, 0.1, 10, h2km, 10km, Error ellipse: s-maj=14.2km s-min=5.7km az=19.9

ISC 14 02:21:40.7:2.1, 34.41S:0.06:72.0W, 0.1, h0km, 15km, n13, 0.111/23, 6C, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, GO05, Hualae0, 0.60 173 Op, Op, 02 21 52.6 +0.4, ANTU, Antumapu, 1.42 54 Op, Op, 02 22 06.6 -1.3, CLCH, Cerro Calan, 1.59 51 Op, Op, 02 22 09.7 -0.5, LMEL, Las Melosas, 1.60 70 Op, Op, 02 22 10.1 -0.3, ROCH, El Roble, 1.66 30 Op, Op, 02 22 11.0 -1.2, FCH, Farellones, 1.80 53 Op, Op, 02 22 12.8 -0.4, CCHI, Chillan, 2.19 181 Op, Op, 02 22 17.5 -0.8, AAGR, Agrelo, 2.97 64 Op, Op, 02 22 33.6 -0.9, ARCO, CERRO ARCO, 3.01 60 Op, Op, 02 22 33.6 -1.7, ASAL, Salagasta, 3.22 57 Op, Op, 02 22 37.1 -1.7, RTLS, Leoncito, 3.46 42 Op, Op, 02 22 38.5 +2.3, ACCO, Cerro Coronel, 4.55 34 Op, Op, 02 22 52.7 +1.5, AROD, Rodeo, 4.75 28 Op, Op, 02 22 54.3 +0.5

GUC 14 02:44:15.7:0.4, 23.80S:67.32W, h247km, 8km, ML4.0, 10C, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, PB15, IPOC Station P, 2.06 286 Op, Op, 02 45 00.4 +1.7, PB06, IPOC Station P, 2.34 297 Op, Op, 02 45 03.4 +2.1, PB09, IPOC Station P, 2.67 318 Op, Op, 02 45 06.7 +2.0, PB05, IPOC Station P, 2.81 289 Op, Op, 02 45 08.5 +2.3, PB03, IPOC Station P, 2.84 307 Op, Op, 02 45 08.7 +2.2, PB14, IPOC Station P, 2.94 253 Op, Op, 02 45 08.5 +0.9, PB10, IPOC Station P, 2.98 275 Op, Op, 02 45 10.1 +2.3, PB04, IPOC Station P, 2.99 299 Op, Op, 02 45 10.2 +2.1, PB07, IPOC Station P, 3.14 310 Op, Op, 02 45 12.1 +2.3, PB01, IPOC Station P, 3.40 323 Op, Op, 02 45 59.2 +1.7, PB02, IPOC Station P, 3.43 315 Op, Op, 02 45 15.3 +2.4, PB08, IPOC Station P, 4.02 335 Op, Op, 02 45 22.8 +2.8

UCR 14 02:56:10.4:1.8, 9.55N:84.85W, h3km, 7km, MD3.9, ML2.4, 9D, Costa Rica

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, SRA1, San Ram 7n, 0.65 34 Op, Op, 02 56 23.4 +0.5, SRA1, JuntasAbangare, 0.75 352 Op, Op, 02 56 24.8 +0.1, HDC, Heredia, 0.86 58 Op, Op, 02 56 27.2 +0.3, LCR2, La Lucha 2, 0.86 77 Op, Op, 02 56 26.7 -0.2, ARE1, Arenal 1, 0.92 8 Op, Op, 02 56 28.3 +0.3, PLVR, Palo Verde, 0.94 328 Op, Op, 02 56 28.1 -0.3, VWR, Vista de Mar, 0.96 307 Op, Op, 02 56 28.8 0.0, EDDO, Dominical, 1.02 107 Op, Op, 02 56 29.0 0.7, URSC, Urasca, 1.10 75 Op, Op, 02 56 44.5 0.0, CUII, Cuipilapa, 1.15 345 Op, Op, 02 56 31.6 -0.8, VTRU, Volcan Turrial, 1.17 66 Op, Op, 02 56 33.3 -0.3, CVTR, Volcan Turrial, 1.18 66 Op, Op, 02 56 32.8 -0.2, MESS, Mesas, 1.23 344 Op, Op, 02 56 33.2 -0.9, EDPN, Palmar Norte, 1.50 113 Op, Op, 02 56 50.4 +0.3, EDBA, Buenos Aires, 1.60 104 Op, Op, 02 56 56.1 -2.0, CONN, Concepcion, 2.14 339 Op, Op, 02 56 47.8 +0.7, ACON, Acocaya, 2.43 353 Op, Op, 02 56 51.9 +0.9, MATN, Matagalpa, 3.52 343 Op, Op, 02 57 08.1 +2.0

IDC 14 03:04:39.4:1.2, 16.00S:165.86E, h0km, mb4.2/5, Mb1 4.3/7, mb1mx3.9/35, mbtmp4.1/7, ML3.9/2, MS3.3/2, Ms1 3.3/2, ms1mx2.7/35, Error ellipse: s-maj=41.1km s-min=27.1km az=134.0

ISCJBJ 14 03:04:42.4:1.0, 16.25S:0.08:165.9E, 0.2, h33km, mb3.9/5, MS3.6/1, Error ellipse: s-maj=23.1km

ISC 14 03:04:44.1:1.1, 16.25S:0.1:165.9E, 0.2, h35km, n9, 0.881/11, mb4.0/5, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, DZM, Mont Dzumac, 5.89 175 Op, Op, 03 06 10.1 +0.9, DZM, 2.1nm, 0.3s, baz=296, slow=19, SNR=7.1, WRA, Warramunga Arr, 30.23 258 P, P, 03 10 51.5 -0.5, WRA, 0.5nm, 0.8s, baz=92, slow=8.8, SNR=5.6, ASAR, Alice Springs, 30.95 251 P, P, 03 10 58.6 +0.2, BATI, Baunata, 41.50 273 LR, LR, 03 29 13.2, ILAR, Eielson Array, 88.30 18 P, P, 03 17 31.5 -0.3, MKAR, Makanchi Array, 97.34 316 P, P, 03 18 14.2 +0.1, ZALV, Zalesovo Beam, 97.78 324 P, P, 03 18 14.7 -1.1, ARCS, ARCS Array B, 121.31 345 PKPbc, PKPbc, 03 23 33.6 +0.4

IDC 14 03:04:58.4:2.4, 6.66S:130.02E, h152km, 34km, mb3.3/1, mb1 3.1/5, mb1mx2.9/41, mbtmp3.5/5, Error ellipse: s-maj=66.0km s-min=16.5km az=91.0, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, SJIA, Sorong, 5.88 12 Op, Op, 03 06 25.3 +1.7, SJIA, 1.3nm, 0.3s, baz=170, slow=23, SNR=9.4, FITZ, Fitzroy Crossi, 12.15 200 P, P, 03 07 45.2 -1.3, WRA, Warramunga Arr, 13.88 163 P, P, 03 08 07.5 -1.0, ASAR, Alice Springs, 17.32 168 P, P, 03 08 52.1 +1.0, MKAR, Makanchi Array, 67.95 327 P, P, 03 15 40.7 -0.2

SJA 14 03:37:19.6:0.3, 34.70S:73.32W, h10km, ML4.5, MW3.8

IDC 14 03:37:27.0:0.6, 33.86S:72.19W, h0km, mb2.9/5, Mb1 4.3/10, mb1mx4.2/22, mbtmp4.2/10, ML4.1/1, MS3.4/3, Ms1 3.4/3, ms1mx3.1/15, Error ellipse: s-maj=30.6km s-min=18.9km az=79.0

ISCJBJ 14 03:37:28.4:1.0, 34.64S:0.03:72.48W, 0.04, h15km, 6km, mb4.3/27, MS3.5/1, Error ellipse: s-maj=5.7km s-min=4.2km az=10.4

GUC 14 03:37:30.0:0.0, 34.61S:72.21W, h15km, 3km, ML4.6

NEIC 14 03:37:30.0:0.0, 34.61S:72.21W, h15km, mb4.5/23, ML4.6(GUC), Alterr GUC

NEIC Felt [I] at Paredones and Pichilemu; [III] at Cauquenes, Conchivita, Linares, Lolol, Longavi, Molina, San Fernando and Santa Cruz; [II] at Curico, Penahue, Rancagua, Sagrada Familia and Torres

ISC 14 03:37:28.2:1.8, 34.54S:0.03:72.32W, 0.05, h9km, 11km, n86, c168/98, mb4.4/27, 6C, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, GO05, Hualae0, 0.53 143 Op, Op, 03 37 40.6 +0.9, GO05, Hualae0, 0.53 143 Op, Op, 03 37 47.2 -0.2, GO05, Hualae0, 0.53 143 Op, Op, 03 37 40.2 +0.5, GO05, Hualae0, 0.53 143 Op, Op, 03 37 47.0 -0.4, CLCH, Cerro Calan, 1.90 52 Op, Op, 03 38 02.9 -0.2, LMEL, Las Melosas, 1.90 68 Op, Op, 03 38 02.9 -0.3, ROCH, El Roble, 1.94 34 Op, Op, 03 38 02.9 +1.2, PEL, Peldelhue, 1.98 44 Op, Op, 03 38 04.2 -0.3, CCHI, Chillan, 2.02 175 Op, Op, 03 38 03.8 +1.3, FCH, Farellones, 2.10 54 Op, Op, 03 38 05.3 +1.4, CCSP, San Pedro de C, 2.34 196 Op, Op, 03 38 10.3 -0.2, RFA, San Rafael, 3.18 94 Op, Op, 03 38 24.2 -1.7, ARCO, CERRO ARCO, 3.32 59 Op, Op, 03 38 25.7 -1.6, ASAL, Salagasta, 3.52 57 Op, Op, 03 39 14.6 -0.1, RTLS, Leoncito, 3.76 43 Op, Op, 03 39 24.4 +5.5, TOLO, Tololo Observa, 4.59 17 Op, Op, 03 38 38.9 +0.9, AROD, Rodeo, 5.02 29 Op, Op, 03 38 47.1 +3.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, GO06, Curarrehue, 5.03 173 Op, Op, 03 38 45.0 +1.0, LAS, Las Campanas, 5.73 14 Op, Op, 03 39 54.2 +0.5, WRA, Warramunga Arr, 120.14 209 PKPbc, PKPbc, 03 56 18.9 -1.2, FITZ, Fitzroy Crossi, 124.89 201 PKPbc, PKPbc, 03 56 28.8 -0.5, H1N1, WAKE ISLAND Hy25.96 270 T, T, 06 15 25.8, H1N1, WAKE ISLAND Hy25.97 270 T, T, 06 15 26.7, H1N2, WAKE ISLAND Hy25.98 270 T, T, 06 15 26.8, KURK, Kurobe, 153.47 44 PKPbc, PKPbc, 03 57 26.1 -0.5, ZALV, Zalesovo Beam, 154.85 33 PKPbc, PKPbc, 03 57 29.4 -0.1, CCSP, San Pedro de C, 2.34 196 Op, Op, 03 38 10.3 -0.2, RFA, San Rafael, 3.18 94 Op, Op, 03 38 24.2 -1.7, ARCO, CERRO ARCO, 3.32 59 Op, Op, 03 38 25.7 -1.6, ASAL, Salagasta, 3.52 57 Op, Op, 03 39 14.6 -0.1, RTLS, Leoncito, 3.76 43 Op, Op, 03 39 24.4 +5.5, TOLO, Tololo Observa, 4.59 17 Op, Op, 03 38 38.9 +0.9, AROD, Rodeo, 5.02 29 Op, Op, 03 38 47.1 +3.0, DJA, 14 03:42:23.1:0.5, 4.60N:125.08E, h0km, mb4.5/23, mb1 4.6/23, mb1mx4.4/41, mbtmp4.5/23, ML4.2/1, MS3.8/25, Ms1 3.8/25, ms1mx3.8/32, Error ellipse: s-maj=17.7km s-min=10.3km az=73.0, GCMT 14 03:42:22.3:0.3, 4.61N:0.02:125.02E, 0.02, h22km, 1km, MW4.9/74, Moment Tensor Solution, s17, c18; s74, c10; Duration: 0 Moment tensor: Scale 1016Nm; Mr0.11±.19; Mw±.28±.13; Ms±.28±.16; Me±.04±.19; Mb±.14±.12; M±.05±.26; Best double couple: M2.93400x10^16 Np1.9±.61.00000; .δ85.00000; λ.14.00000; NP2: φ=330.00000; δ76.00000; λ.174.00000; Principal axes: T 2.9480, Plg14.0000, Azm286.0000; N -0.0260, Plg75.0000; Azm82.0000; P -2.9210, Plg6.0000; Azm195.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function, DJA 14 03:42:23.1:0.5, 4.60N:125.08E, h0km, mb4.5/23, mb1 4.6/23, mb1mx4.4/41, mbtmp4.5/23, ML4.2/1, MS3.8/25, Ms1 3.8/25, ms1mx3.8/32, Error ellipse: s-maj=17.7km s-min=10.3km az=73.0, BUI 14 03:42:23.9:4.7, 73N:125.24E, h28km, mb4.8/32, mb3.0/31, Ms4.8/19, Ms7.4/5/16, ISCJBJ 14 03:42:24.2:0.2, 4.54N:0.02:125.16E, 0.03, h50km, mb4.7/62, MS4.0/29, Error ellipse: s-maj=4.0km s-min=2.5km az=171.8, NEIC 14 03:42:26.3:0.7, 4.55N:125.12E, h50km, 7km, mb4.8/30, Error ellipse: s-maj=6.7km s-min=4.4km az=71.0, ISC 14 03:42:26.2:0.3, 4.55N:0.03:125.19E, 0.05, h50km, n233,

mb4.5/19, Error ellipse: s-maj=16.2km s-min=9.3km az=148.7

NEIC 14 03:44:02.70.5, 12.17N:143.63E, h35km, mb4.6/3, Error ellipse: s-maj=13.4km s-min=11.7km az=171.0

ISC 14 03:44:01.3.0.7, 12.22N:0.1:143.65E:0.1, h25km, n36, 0.94/28, mb4.6/18, South of Mariana Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various seismic stations and their associated data points.

MAN 14 04:00:23.7, 4.85N:124.70E, h10km, mb5.0, ML3.9, MS3.9, 14, Celebes Sea

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists seismic stations for the Celebes Sea event.

NIED 14 04:37:08.5, 1.7, 36:76N:140.96E, h11km, Mw3.5, Best double couple: M1.990000, 1014 NP1.33300000, 845.000000, 1.126.000000, NP2.3199.000000, 855.000000, 1.59.000000

ISC 14 04:37:08.5, 1.7, 36:76N:140.96E, h0km, mb3.8/4, mb1.1/1.9, mb1mx3.75, mbtm3.75, ML3.8/1, Error ellipse: s-maj=39.3km s-min=21.3km az=59.0

ISCJJB 14 04:37:10.2, 0.9, 36:73N:0.03:140.96E:0.0, h20km, 5km, mb3.7/5, Error ellipse: s-maj=9.6km s-min=4.8km az=16.3

JMA 14 04:37:12.0, 36:76N:140.97E, h17km, 1km, M3.9, Broadband fault plane solution: T Pwakes, NP1: 0.179.000000, 851.000000, 1.83.000000, NP2: 0.348.000000, 839.000000, 1.98.000000, Principal axes: T Pwg.0000, Azm264.0000, N Pwg5.0000, Azm355.0000, P Pwg2.0000, Azm124.0000, JMA Felt III J1.

NEIC 14 04:37:13.8, 1.1, 36:77N:140.87E, h35km, mb4.0/1, Error ellipse: s-maj=16.2km s-min=9.3km az=148.7

NEIC 14 04:37:11.4, 1.2, 36:76N:0.03:140.84E:0.0, h15km, 7km, n22, 0.64/26, mb3.7/5, 4C, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various seismic stations and their associated data points for the Honshu event.

ASAR Alice Springs 60.46 187 P P 04 47 20.3 -0.2

IDC 14 04:44:59.4, 1.0, 4.61N:126.19E, h0km, mb3.7/8, mb1.3/8, mb1mx3.737, mbtm3.7/8, MS4.1/1, Ms1.4/1, ms1mx2.8/38, Error ellipse: s-maj=65.7km s-min=16.9km az=82.0

ISC 14 04:45:00.7, 0.8, 4.60N:0.08:126.19E:0.2, h10km, n12, 1.50/14, mb3.6/8, 1C, Talaud Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various seismic stations and their associated data points for the Talaud Islands event.

MOS 14 04:58:03.0, 3.0, 9.70S:156.08E, h33km, mb5.9/78, MS5.3/47, Error ellipse: s-maj=6.8km s-min=5.2km az=6.3

ISCJJB 14 04:58:04.5, 0.6, 7.14S:0.02:156.05E:0.02, h45km, 5km, mb5.8/300, MS5.4/187, Error ellipse: s-maj=3.4km s-min=2.6km az=177.5

NEIC 14 04:58:04.9, 0.1, 7.15S:156.05E, h37km, mb5.8/200, ME5.4, MS5.5/123, MW5.8, MW5.8, Error ellipse: s-maj=3.0km s-min=2.7km az=148.0, Moment Tensor Solution. s30 Moment tensor: Scale 10717Nm; Mr6.34; Mw-4.72; Mw-1.62; Mw-0.77; Mw-3.13; Mw-0.45; Best double couple: M6.600000, 1017 NP1.33300000, 845.000000, 1.90.000000, Principal axes: T 6.4000, Plg6.0000, Azm200.0000, N 0.3200, Plg0.0000, Azm302.0000, P 6.7200, Plg4.0000, Azm32.0000, Depth from synthetics of broadband displacement seismograms. Apparent Stress 0.33 MPa Depth from synthetics of broadband displacement seismograms. Energy computed from MT mechanism.

BUI 14 04:58:06.5, 6.91S:156.17E, h2km, mb5.6/80, mb5.7/58, MS5.4/80, Ms7.5/374

IDC 14 04:58:06.7, 0.4, 7.17S:156.07E, h54km, 3km, mb5.4/33, mb1.5/435, mb1mx4.3/6, mbtm3.5/735, MS5.1/28, Ms1.5/128, ms1mx5.1/30, Error ellipse: s-maj=8.8km s-min=7.3km az=51.1

DJA 14 04:58:07.2, 0.2, 7.3S:156.06E, h50km, Ms 8/90, mb5.9/90, mb6.1/76, Mw(16.5)/8.76, Mw(5.8)/6

NEIC 14 04:58:07.0, 0.0, 7.09S:155.96E, h60km, Moment Tensor Solution. s58 Moment tensor: Scale 10717Nm; Mr5.70; Mw-3.41; Mw-2.29; Mw-0.63; Mw-3.38; Mw-0.77; Best double couple: M6.000000, 1017 NP1.33300000, 845.000000, 1.97.000000, Principal axes: T 5.7600, Plg4.0000, Azm332.0000, N 0.5300, Plg5.0000, Azm130.0000, P 6.2900, Plg2.0000, Azm220.0000

GCMT 14 04:58:08.9, 0.1, 7.33S:0.01:156.06E:0.01, h50km, MW5.8/140, Moment Tensor Solution. s140, c285, s137, c570, Duration: 2s Moment tensor: Scale 10717 Nm; Mr6.33; 06; Mw-4.21; 05; Mw-2.12; 05; Mw-1.34; 05; Mw-3.49; 04; Mw-0.18; 05; Best double couple: M6.714000, 1017 NP1.33300000, 850.000000, 1.78.000000, Principal axes: T 6.5480, Plg8.0000, Azm151.0000, N 0.3310, Plg9.0000, Azm305.0000, P 6.8790, Plg4.0000, Azm36.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface/mantle waves, cutoff=50s, Triangular moment-rate function

NEIC 14 04:58:22.0, 0.0, 6.98S:155.55E, h47km, Moment Tensor Solution. s7 Moment tensor: Scale 10717Nm; Mr6.0; Mw-4.62; Mw-1.93; Mw-0.92; Mw-4.26; Mw-0.49; Best double couple: M7.300000, 1017 NP1.33300000, 849.000000, 1.88.000000, Principal axes: T 6.6800, Plg6.0000, Azm195.0000, N 1.1600, Plg2.0000, Azm306.0000, P 7.8400, Plg4.0000, Azm36.0000

ISC 14 04:58:07.2, 0.2, 7.17S:156.13E:0.03, h63km, 2km, h63km, pp-P, n1460, 1.136/1557, mb5.8/300, 140C-28D, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various seismic stations and their associated data points for the Bougainville-Solomon Islands region event.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various seismic stations and their associated data points for the Bougainville-Solomon Islands region event.

Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like YNG Young, AAI Ambon, STKA Stephens Creek, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like MBWA Marble Bar, PLAI Pampang, RCP Rata Peaks, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like MAT Matsu-Tunnel, MJB9 Matsue, JNU Natsushima, etc.

Table with columns for flight codes (KIP, OPA, etc.), destinations (KIPAPA, OPANA, etc.), times, and status indicators (P, S, etc.).

Table with columns for flight codes (SNY, SKLT, SKR, etc.), destinations (SANGKHA, SEVERO-KURIL'S, etc.), times, and status indicators (P, S, etc.).

Table with columns for flight codes (XAN, MSLI, KMI, etc.), destinations (MULIAH, KUNNING, etc.), times, and status indicators (P, S, etc.).

RKT	comp=Z,699nm,29.2s	eLQ	LQ	05 26 39.0
RKT	comp=Z,2um,36.0s	eLR	LR	05 29 31.6
GTA	comp=Z,5um,28.0s,baz=277	↑P	P	05 09 11.5 +1.2
GTA	Gaotai	69.64 317	↑P	05 09 27.8 +0.5
GTA		pP	pP	05 09 34.4 +0.1
GTA		sP	sP	05 18 17.6 +3.4
GTA		S	S	05 18 43.8 +0.8
GTA		sS	sS	
GTA		pmax	pmax	
GTA	comp=Z,38nm,1.8s			
GTA	comp=Z,720nm,9.0s			
GTA	comp=Z,720nm,23.0s	LR	LR	
GTA	comp=Z,1um,23.4s	LR	LR	
BRDH	comp=Z,2um,24.4s	P	P	05 09 12.1 +1.4
ULN	Bariahala	69.68 297	P	05 09 12.4 +1.5
ULN	Ulaanbaatar	69.76 327	eP	
ULN	comp=Z,93nm,0.9s			
ULN	comp=Z,1um,22.0s	LR	LR	
ULN	Ulaanbaatar	69.76 327	P	05 09 12.5 +1.6
ULN	SNR=28			
ULN	Ulaanbaatar	69.76 327	iP	05 09 12.5 +1.6
ULN	comp=Z,140nm,1.3s			
SEY	Seymchan	69.96 358	P	05 09 11.9 +0.3
SEY	comp=Z,38nm,0.9s,baz=150,slow=5.8,SNR=40	LR	LR	05 35 31.2
SEY	comp=Z,1um,21.6s,baz=150,slow=32			05 37 13.6
SEY	comp=Z,14nm,1.0s,baz=331,slow=3.0,SNR=12			
SEY	Seymchan	69.96 358	P	05 09 11.9 +0.3
SEY	comp=Z,38nm,0.9s			
SEY	comp=Z,14nm,1.0s			
SONM	Songio Array	70.09 327	P	05 09 14.3 +1.4
SONM	comp=Z,122nm,0.8s,baz=138,slow=6.8,SNR=383			05 37 15.9
SONM	comp=Z,20nm,1.0s,baz=290,slow=2.5,SNR=38			
SONM	comp=Z,836nm,21.1s,baz=129,slow=36	LR	LR	05 39 56.0
SONM	Songino Array	70.09 327	P	05 09 14.3 +1.4
SONM	comp=Z,122nm,0.8s			
SONM	comp=Z,20nm,1.0s			
SONM	comp=Z,836nm,21.1s			
SONAI	Songio Array	70.10 327	eP	05 09 14.0 +1.1
SHL	Shillong	70.35 300	eP	05 09 15.4 +0.4
SHL	comp=Z,437nm,0.9s			
SHL	Shillong	70.35 300	iP	05 09 15.0 0.0
SHL	comp=Z,33nm,0.8s,baz=336,slow=6.5,SNR=212			05 18 25.0 +1.8
VNDA	Vanda	70.38 179	P	05 09 15.0 +1.1
VNDA	comp=Z,3um,21.1s,baz=1.0,slow=31	LR	LR	05 34 32.6
VNDA	comp=Z,0.7nm,1.0s,baz=50,slow=2.2,SNR=3.7			05 37 12.1
VNDA	Vanda	70.38 179	eP	05 09 15.1 +1.1
VNDA	comp=Z,72nm,1.0s			
VNDA	Vanda	70.38 179	eP	05 37 12.1
VNDA	comp=Z,72nm,1.0s			05 09 15.1 +1.1
SBA	Scott Base	70.86 178	eP	05 09 19.1 +2.2
SBA	comp=Z,90nm,1.0s			
SBA	Scott Base	70.86 178	eP	05 09 19.1 +2.2
SBA	comp=Z,2um,20.0s			
SBA	comp=Z,90nm,1.0s			
SBA	PMR			
YAK	Yakutsk	71.97 347	eP	05 09 24.1 +0.3
YAK	comp=Z,2um,20.0s			05 09 40.8
YAK	Yakutsk	71.97 347	eP	05 12 10.9
YAK	comp=Z,2um,20.0s			05 19 48.7
YAK	Yakutsk	71.97 347	eP	05 18 40.8 +0.7
YAK	comp=Z,2um,20.0s			05 19 09.8
YAK	Yakutsk	71.97 347	eP	05 19 17.3 -4.8
YAK	comp=Z,116nm,0.9s			
YAK	comp=Z,28nm,1.1s			
YAK	comp=Z,11nm,1.1s			
YAK	comp=Z,55nm,1.7s			
YAK	comp=N,166nm,3.0s			
YAK	comp=E,81nm,3.2s			
YAK	comp=E,215nm,4.7s			
YAK	comp=N,1um,11.5s			
YAK	comp=Z,1um,21.0s			
YAK	comp=E,781nm,25.0s			
YAK	comp=N,1um,22.0s			
LSA	Lhasa	72.30 304	eP	05 09 27.8 +0.7
LSA	comp=N,97nm,0.8s			
LSA	Lhasa	72.30 304	eP	05 09 27.8 +0.7
LSA	comp=Z,434nm,22.0s			
LSA	comp=Z,97nm,0.8s			
PTCN	Pitcairn Islan	72.32 114	PFAKE	05 09 40.0 +1.3
MIR	Mirnyy	72.95 202	iP	05 09 30.5 +0.9
MIR	comp=Z,3um,20.0s			05 09 46.0
MIR	Mirnyy	72.95 202	iP	05 12 23.0
MIR	comp=Z,364nm,2.0s			
BOD	Bodaibo	73.20 338	eP	05 09 30.8 -0.4
BOD	comp=Z,3um,6.0s			
ZAK	Zakamensk	73.24 328	eP	05 09 32.2 +0.5
ZAK	comp=Z,51nm,1.0s			
TLY	Talaya	73.79 329	eP	05 09 35.4 +0.6
TLY	comp=Z,35nm,0.9s			
TLY	Talaya	73.79 329	eP	05 09 35.5 +0.6
TLY	comp=Z,890nm,20.0s			05 12 17.3
TLY	Talaya	73.79 329	eP	05 14 08.9
TLY	comp=Z,43nm,1.0s			05 19 01.6 +0.3
TLY	comp=Z,929nm,22.0s			
BWNR	Bhubaneshwar	74.28 293	eP	05 09 38.4 +0.1
TAPN	Taplejung	74.45 301	eP	05 09 40.3 +0.7
ODAN	Odare	74.59 300	eP	05 09 41.0 +0.7
BOK	Bokaro	75.08 297	eP	05 09 43.8 +0.9
MOY	Mondy	75.15 328	eP	05 09 43.9 +1.0
RAMN	Ramite	75.29 300	eP	05 09 44.9 +0.5
BILL	Bilbino	75.38 4	eP	05 09 44.5 +0.9
BILL	comp=Z,129nm,1.2s			
BILL	Bilbino	75.38 4	iP	05 09 44.2 +0.6
BILL	comp=Z,129nm,1.2s			05 09 58.4
BILL	Bilbino	75.38 4	iP	05 12 30.2
BILL	comp=Z,129nm,1.2s			05 19 10.0 -8.3
BILL	Bilbino	75.38 4	eS	05 24 07.2 -2.7

BILL	comp=Z,85nm,1.0s			
BILL	comp=Z,2um,19.0s			
JIRN	Jiri	75.84 301	eP	05 09 48.4 +0.8
GUN	Gumba	76.17 301	eP	05 09 50.3 +0.8
PKI	Pulchoki	76.48 300	eP	05 09 51.6 +0.4
PKI	Pulchoki	76.48 300	eP	05 09 51.5 +0.3
PALK	Pallekele	76.58 279	eP	05 09 52.2 +0.5
PALK	comp=Z,156nm,1.1s			
PALK	Pallekele	76.58 279	P	05 09 52.5 +0.8
PALK	Pallekele	76.58 279	iP	05 09 52.9 +1.2
KKK	Kakani	76.65 301	eP	05 09 52.6 +0.6
DMN	Daman	76.75 300	eP	05 09 53.4 +0.7
KDAK	Kodiak Island	76.84 25	P	05 09 52.9 +0.8
KDAK	comp=Z,15nm,0.8s,baz=215,slow=12,SNR=2.5			05 39 36.1
KDAK	Kodiak Island	76.84 25	P	05 09 52.9 +0.8
KDAK	comp=Z,3um,20.8s,baz=228,slow=32			
KDAK	Kodiak Island	76.84 25	P	05 09 52.9 +0.8
GKN	Gorkha	77.25 301	eP	05 09 55.8 +0.4
SVWZ	Sparrevoh	77.74 22	eP	05 09 58.3 +1.1
MDRS	Chennai	77.99 285	eP	05 09 58.8 -0.7
KOLN	Koldanda	78.08 300	eP	05 10 00.3 +0.3
DANN	Dangsing	78.09 301	eP	05 10 00.3 +0.1
CNPM	China Foot	78.45 24	eP	05 10 02.0 +0.9
PYUN	Piuthan	78.69 300	eP	05 10 03.3 -0.1
BRLL	Bradley Lake	78.74 24	eP	05 10 03.7 +1.0
HVS	Khovu-Aksy	78.87 325	eP	05 10 05.0 +1.3
HVS	Urumqi	79.72 317	P	05 10 09.6 +1.1
WMQ	WMQ		pP	05 10 25.5 -0.3
WMQ	WMQ		sP	05 10 34.5 +1.8
WMQ	WMQ		SS	05 25 19.3 +2.8
WMQ	comp=Z,180nm,1.5s			
WMQ	comp=Z,2um,4.7s			
WMQ	comp=Z,2um,19.3s			
WMQ	comp=Z,2um,24.1s			
SUA	Susita	79.80 23	eP	05 10 08.9 +0.3
SKT	Skwentna	79.81 22	eP	05 10 08.1 -0.4
PPLA	Purkeypile	80.12 21	eP	05 10 11.8 +1.4
PPLA	Hyderabad	80.39 289	iP	05 10 26.8 -0.9
HYB	Hyderabad	80.39 289	iP	05 10 12.0 -0.6
HYB	Hyderabad	80.39 289	eS	05 20 12.0 -2.3
HYB	Hyderabad	80.39 289	eP	05 20 40.0
HYB	Hyderabad	80.39 289	iAmb	05 10 12.2 -0.4
TRD	Trivandrum	80.43 280	eP	05 10 13.9 +1.0
CAST	Castle Rocks	80.48 21	eP	05 10 12.1 0.0
PMR	Palmer	80.50 23	eP	05 10 12.1 -0.1
PMR	Palmer	80.50 23	eP	05 10 12.1 -0.1
PMR	comp=Z,269nm,2.0s			
NGP	Nagpur	80.64 293	eP	05 10 13.6 -0.2
NGP	Nagpur	80.64 293	iAmb	05 10 15.0
GHO	Glory Hole Cre	80.69 23	eP	05 10 13.9 +0.6
TIXI	Tiksi	80.69 352	eP	05 10 12.8 -0.2
TIXI	Tiksi	80.69 352	iP	05 10 12.6 -0.4
TIXI	Tiksi	80.69 352	iP	05 10 12.6 -0.4
GLI	Glacier Island	80.92 24	eP	05 10 15.5 +1.0
SML	Sawmill	80.94 23	eP	05 10 15.4 +0.8
SML	Sawmill	80.94 23	eP	05 10 15.4 +0.8
TRF	Thorofare Moun	81.15 21	eP	05 10 15.3 -0.6
BPWF	Bear Paw Mtn	81.29 21	eP	05 10 16.0 -0.4
SCM	Sheep Creek Mo	81.35 24	eP	05 10 17.7 +0.9
SCM	Sheep Creek Mo	81.35 24	eP	05 10 17.7 +0.9
IM3	Indian Mountai	81.54 19	eP	05 10 18.0 +0.4
DIV	Divide	81.60 25	eP	05 10 19.1 +0.9
RAGM	Ragged Mountain	81.68 26	eP	05 10 17.8 -0.7
RAGM	Ragged Mountain	81.73 24	eP	05 10 35.0 -1.0
KLU	Klutina	81.73 24	eP	05 10 35.0 -1.0
MCK	McKinley	81.81 22	eP	05 10 18.6 -0.5
MCK	McKinley	81.81 22	eP	05 10 18.6 -0.5
MCK	comp=Z,106nm,1.0s			
BMRM	Bremer River	82.01 25	eP	05 10 21.5 +1.2
DHY	Denali Highway	82.02 23	eP	05 10 20.5 +0.1
BHPL	Bhopal	82.52 295	eP	05 10 23.5 -0.3
BHPL	Bhopal	82.52 295	iAmb	05 10 23.9
HARP	HAARP	82.52 24	eP	05 10 22.7 -0.2
HARP	Wood River Hill	82.53 21	eP	05 10 22.0 -0.8
PAX	Paxson	82.69 23	eP	05 10 24.2 +0.3
MDM	MDM	82.76 21	eP	05 10 23.6 -0.5
H08S2	Diego Garcia H	82.79 263	P	05 10 25.7 +0.7
H08S3	Diego Garcia H	82.80 263	P	05 10 25.8 +0.7
QSPA	South Pole Qui	82.80 180	eP	05 10 25.2 +0.7
ZSN	Zaisan	82.80 320	iP	05 10 25.6 +0.9
H08S1	Diego Garcia H	82.81 263	P	05 10 25.8 +0.7
TCOL	CICO, UAF Yank	82.84 21	P	05 10 23.8 -0.6
COLA	College	82.84 21	eP	05 10 23.7 -0.7
COLA	College	82.84 21	eP	05 10 23.7 -0.7
COLA	comp=Z,3um,21.0s			
COLA	College	82.84 21	eP	05 10 23.7 -0.7
HDA	Harding Lake	82.91 22	eP	05 10 24.3 -0.5
HDA	Harding Lake	82.91 22	P	05 10 24.3 -0.5
BALM	Baldy	83.00 26	eP	05 10 26.5 +0.9
ILAR	Eielson Array	83.13 21	P	05 10 24.9 -1.1
ILAR	comp=Z,12nm,0.7s,baz=241,slow=5.5,SNR=58			05 36 47.3 -3.8
ILAR	comp=Z,0.9nm,0.9s,baz=290,slow=1.7,SNR=4.5			05 42 59.8
ILAR	Eielson Array	83.13 21	P	05 10 24.9 -1.1

ILAR	comp=Z,12nm,0.7s			
ILB	Eielson Array	83.13 21	eP	05 10 24.9 -1.1
DDI	Dehra Dun	83.39 302	eP	05 10 28.4 +0.2
COLD	Coldfoot	83.42 18	eP	05 10 28.5 +1.1
PCA	Pinnacle	83.48 27	eP	05 10 29.5 +1.6
PCA	Pinnacle	83.48 27	eP	05 10 45.6 +0.2
HMDM	Hanimaadhooc	83.89 278	eP	05 10 32.1 +1.2
MNCI	Minicoy	84.22 279	eP	05 10 33.9 +1.3
MNCI	Minicoy	84.22 279	eP	05 10 50.3 +0.2
MNCO	Minicoy	84.24 279	eP	05 10 32.8 0.0
MK01	Makanchi Array	84.27 318	eP	05 10 31.7 -0.6
MK31	Makanchi Array	84.28 318	eP	05 10 33.1 +0.8
MK31	Makanchi Array	84.28 318	eP	05 10 33.1 +0.8
MKAR	Makanchi Array	84.28 318	eP	05 10 33.0 +0.7
MKAR	comp=Z,271nm,0.8s,baz=104,slow=5.8,SNR=1406			05 10 47.8 -2.0
MKAR	comp=Z,202nm,0.8s,baz=87,slow=7.4,SNR=12			05 28 45.1 -1.7
MKAR	comp=Z,3.3nm,0.7s,baz=294,slow=1.0,SNR=17			05 36 47.0 -3.3
MKAR	comp=Z,2.9nm,0.8s,baz=280,slow=1.7,SNR=22			05 46 31.7
MKAR	comp=Z,740nm,21.5s,baz=97,slow=34			
MKAR	Makanchi Array	84.28 318	eP	05 10 33.0 +0.7
MKAR	Makanchi Array	84.28 318	eP	05 10 47.8 -2.0
MKAR	comp=Z,271nm,0.8s			
MKAR	comp=Z,202nm,0.8s			
MKAR	comp=Z,3.0nm,0.7s			
SMLA	Simla	84.31 302	eP	05 10 32.8 +0.1
TOLK	Toolik Lake Re	84.45 17	e	

Table with columns: Station Name, Frequency, Power, Class, and Change. Includes stations like EYK Eagle Plains, L02E Cave Junction, KUW Kurly, etc.

Table with columns: Station Name, Frequency, Power, Class, and Change. Includes stations like ISA Isabella, Lake, MLAC Mammoth, PASC Pasadena, etc.

Table with columns: Station Name, Frequency, Power, Class, and Change. Includes stations like GLA Glamis, BVAR Borovoye Array, NEW Newport, etc.

PDAR	comp=Z,1.6nm,1.0s,baz=262,slow=4.1,SNR=2.8	PP	PP	05 15 32.2	-4.3		
PDAR	comp=Z,2.2nm,1.0s,baz=230,slow=5.6,SNR=2.9	PKIKP	PKIKP	05 16 09.5	-0.7		
PDAR	comp=Z,1.0nm,0.7s,baz=101,slow=5.8,SNR=7.1	PKKpbc	PKKpbc	05 28 10.2	-1.7		
PDAR	comp=Z,1.4nm,1.0s,baz=105,slow=1.7,SNR=5.6	P'P'df	P'P'df	05 36 25.1	-0.4		
PDAR	Pinedale Array	97.98	48	EP	P	05 11 35.4	-1.6
PDAR				05 11 54.0	-0.6		
PDAR				05 15 32.2	-4.3		
PDAR				05 16 09.5	-0.7		
PDAR				05 28 10.2	-1.7		
PDAR				05 36 25.1	-0.4		
EGMT	Eagleton	98.04	43	PFAKE	LR	05 11 50.0	+1.3
EGMT							
PV14	Lion Creek, Pa	98.20	52	EP	Pdf	05 11 39.2	+1.1
PV14				05 11 56.4	+0.6		
PV23	Carpenter Ridg	98.21	52	EP	Pdf	05 11 38.9	+0.7
PV23				05 11 56.4	+0.6		
PV19	Morning Glory	98.23	52	EP	Pdf	05 11 39.5	+1.3
PV19				05 11 56.4	+0.5		
PV17	East Wray Mesa	98.25	52	EP	Pdf	05 11 38.9	+0.6
PV17				05 11 56.9	+0.5		
PV21	Cone Mtn., Par	98.25	52	EP	Pdf	05 11 39.9	+1.5
PV21				05 11 56.8	+0.8		
RLMT	Red Lodge	98.28	45	EP	Pdf	05 11 40.3	+2.0
RLMT				05 11 58.1	+2.1		
RLMT	comp=Z,3um,21.0s						
RLMT	Red Lodge	98.28	45	P	Pdf	05 11 38.9	+0.6
RLMT	baz=268						
PV16	Nyswonger Mesa	98.28	52	EP	Pdf	05 11 39.4	+0.9
PV16				05 11 56.0	-0.1		
PV11	David Mesa, Pa	98.31	52	EP	Pdf	05 11 39.0	+0.9
PV11				05 11 57.1	+0.9		
PV03	Paradox Valley	98.32	52	EP	Pdf	05 11 39.8	+1.1
PV03				05 11 56.2	-0.1		
PV13	Radium Mtn., P	98.35	53	EP	Pdf	05 11 40.5	+1.7
PV13				05 11 56.9	+0.5		
PV12	Saucer Basin	98.37	52	EP	Pdf	05 11 41.3	+2.4
PV12	comp=Z,31nm,1.3s						
PV22	Blue Mesa, Par	98.39	52	EP	Pdf	05 11 39.0	+0.1
PV22				05 11 58.2	+1.6		
MVCO	Mesa Verde	98.56	53	PFAKE	LR	05 11 50.0	+1.0
MVCO	comp=Z,2um,22.0s						
MVCO	Mesa Verde	98.56	53	P	Pdf	05 11 40.1	+0.4
MVCO	baz=268						
NVL	N'azarevskaya	98.63	191	EP	Pdf	05 11 55.1	+1.6
NVL	comp=Z,1.7nm,1.2s						
NVL				MLR	MLR		
O20A	White River Ci	98.88	51	EP	Pdf	05 11 41.9	+0.8
SVE	Sverdllovsk	98.96	326	EP	P	05 11 39.9	-0.8
SVE				eS	SKSac	05 22 11.7	-1.7
SVE	comp=Z,1.8nm,0.9s						
SVE				MLR	MLR		
ABKAR	Akbulak array	99.42	319	EP	Pdf	05 11 41.4	-1.6
WSAR	Wadi Sarin	99.66	292	P	Pdf	05 11 43.3	-1.3
RWWY	Rawlins	99.70	49	EP	Pdf	05 11 44.9	+0.1
RWWY				EP	P	05 12 03.5	+1.1
SNAE	Snae	100.10	187	P	PKIKP	05 11 45.4	-0.2
SNAE				EP	Pdf	05 11 45.6	-0.1
SNAE				EP	Pdf	05 11 45.7	0.0
SNAE				EP	Pdf	05 11 43.8	-2.0
ARU	Arti	100.12	326	EP	Pdf		
ARU	comp=Z,5.8nm,0.3s,baz=91,slow=4.5,SNR=1.5						
ARU	Arti	100.12	326	EP	Pdf	05 11 45.0	-0.9
ARU	comp=Z,1um,22.0s						
ARU	Arti	100.12	326	EP	Pdf	05 11 44.2	-1.7
ARU				05 15 48.8			
ARU				05 22 17.2	-1.9		
ARU				05 24 41.8	-2.4		
ARU				05 24 49.9	-2.7		
ARU	comp=Z,1.9nm,1.0s						
ARU				MLR	MLR		
ANMO	Albuquerque	100.13	56	PFAKE	LR	05 12 00.0	+1.3
ANMO	comp=Z,1um,24.0s						
ANMO	Albuquerque	100.13	56	EP	Pdf	05 11 48.1	+1.4
ANMO	comp=Z,8.0nm,4.1s						
ANMO	Albuquerque	100.13	56	P	Pdf	05 11 48.9	+2.1
LAO	LASA Array	100.42	44	PFAKE	LR	05 12 00.0	+1.2
LAO	comp=Z,2um,20.0s						
N23A	Red Feather La	100.64	50	P	Pdf	05 11 49.4	+0.5
N23A	baz=270						
AKTO	Aktyubinsk	100.65	320	P	Pdf	05 11 46.9	-1.5
AKTO	comp=Z,8.8nm,0.8s,baz=96,slow=5.0,SNR=2.5						
AKTO	Aktyubinsk	100.65	320	P	Pdf	05 16 14.1	-0.3
AKTO	comp=Z,2.8nm,0.7s,baz=145,slow=6.5,SNR=3.6						
AKTO	Aktyubinsk	100.65	320	P	Pdf	05 11 46.9	-1.5
AKTO						05 15 57.6	
AKTO	comp=Z,9.0nm,0.8s						
AKTO							
GEYT	Alibek	100.68	307	P	Pdf	05 11 47.2	-1.7
ISCO	Idaho Springs	100.89	51	PFAKE	LR	05 12 00.0	+1.0
ISCO	comp=Z,1.5nm,0.3s,baz=241,slow=3.1,SNR=7.5						
ISCO	Idaho Springs	100.89	51	PFAKE	LR	05 12 00.0	+1.0
ISCO	comp=Z,1um,20.0s						
ISCO	Cornudas Mount	100.94	59	PFAKE	LR	05 12 00.0	+1.0
SDCO	Great Sand Dun	100.96	53	PFAKE	LR	05 12 00.0	+1.0
SDCO	comp=Z,2um,22.0s						
SDCO	Neumayer Olymp	101.17	185	P	PKIKP	05 16 15.1	+0.3
SDCO	Neumayer Olymp	101.17	185	P	Pdf	05 11 49.8	-0.6
SDCO	Neumayer-Watz	101.28	185	P	PKIKP	05 16 15.5	+0.5
SDCO	baz=190,slow=0.6						
SDCO	Neumayer-Watz	101.28	185	P	Pdf	05 11 51.0	+0.1
SDCO	baz=171,slow=4.8						
SDCO	Neumayer-Stat	101.63	185	P	PKIKP	05 16 15.0	-0.6
SDCO	Neumayer-Stat	101.63	185	P	Pdf	05 11 51.6	-0.7
SDCO	Dagmar	101.75	42	PFAKE	LR	05 12 10.0	+1.7
SDCO	comp=Z,3um,22.0s						
SDCO	Black Hills	102.02	47	P	Pdf	05 11 55.8	+0.9
SDCO	Lajitas Array	102.36	62	P	Pdf	05 11 55.7	-0.9
SDCO	comp=Z,0.3nm,0.8s,baz=225,slow=5.0,SNR=2.8						
SDCO	Lajitas Array	102.36	62	P	Pdf	05 16 12.7	+2.8
SDCO	comp=Z,0.9nm,0.8s,baz=260,slow=5.4,SNR=3.2						
SDCO	Lajitas Array	102.36	62	P	PKKpbc	05 27 59.3	+0.5
SDCO	comp=Z,1.5nm,0.6s,baz=110,slow=3.6,SNR=1.5						
SDCO	Lajitas Array	102.36	62	P	P'P'df	05 36 17.1	-1.0
SDCO	comp=Z,1.3nm,1.0s,baz=129,slow=7.1,SNR=4.6						
SDCO	Lajitas Array	102.36	62	P	Pdf	05 11 55.7	-0.9
SDCO						05 16 12.7	
SDCO	comp=Z,1.0nm,0.8s						
SDCO							
SDCO	comp=Z,2.0nm,0.6s						
SDCO	Flin Flon	102.69	36	PFAKE	LR	05 12 10.0	+1.3
SDCO	OGNE	103.60	50	PFAKE	LR	05 12 10.0	+8.1
SDCO	OGNE	comp=Z,2um,22.0s					
SDCO	ABPO	105.30	248	PFAKE	LR	05 16 40.0	
SDCO	ABPO	comp=Z,703nm,19.0s					
SDCO	Cedar Bluff	105.47	52	PFAKE	LR	05 16 40.0	
SDCO	CBKS	comp=Z,2um,19.0s					
SDCO	Junction City	105.72	60	PFAKE	LR	05 16 40.0	
SDCO	JCT	comp=Z,2um,19.0s					
SDCO	Permogore	105.96	332	EP	Pdf	05 12 10.8	-0.9
SDCO	PRGR						

KBS	comp=Z,10.0nm,0.8s	Kingsbay	106.10	353	PFAKE	LR	05 16 40.0
KBS	comp=Z,1um,22.0s						
WMOK	Wichita Mouna	106.45	56	PFAKE	LR	05 16 40.0	
WMOK	comp=Z,2um,21.0s						
WMOK	Wichita Mouna	106.45	56	P	PKIKP	05 16 24.6	-0.9
WMOK	baz=273						
ULM	Lac du Bonnet	106.47	40	PKIKP	PKIKP	05 16 24.6	-1.3
ULM	comp=Z,3.2nm,0.8s,baz=244,slow=2.8,SNR=2.8						
ULM							
ULM	comp=Z,1.6nm,0.6s,baz=164,slow=2.8,SNR=4.5						
ULM							
AGMN	comp=Z,2.5nm,0.8s,baz=110,slow=0.8,SNR=3.3						
AGMN	Agassiz Nation	107.29	42	PFAKE	LR	05 16 40.0	
AGMN	comp=Z,2um,21.0s						
ECSD	EROS Data Cent	107.39	47	PFAKE	LR	05 16 40.0	
ECSD	comp=Z,2um,20.0s						
ECSD	EROS Data Cent	107.39	47	P	PKIKP	05 16 26.5	-0.4
ECSD	baz=273						
KVXT	Kingsville	107.44	63	PFAKE	LR	05 16 40.0	
KVXT	comp=Z,2um,21.0s						
KSU1	Kansas State U	107.88	51	PFAKE	LR	05 16 40.0	
KSU1	comp=Z,2um,22.0s						
APA	Apatity	108.69	340	EP	Pdf	05 12 44.2	+2.0
APA	comp=Z,8.0nm,1.1s						
KEV	Kevo	109.52	343	PFAKE	LR	05 16 40.0	
KEV	comp=Z,2um,20.0s						
T38A	Diamond	109.91	53	P	PKIKP	05 16 31.0	-0.9
T38A	baz=276						
NATX	Nacogdoches	110.07	59	PFAKE	LR	05 16 50.0	
NATX	comp=Z,4um,20.0s						
ARCES	ARCESS Array B	110.08	343	Pdf	Pdf	05 12 29.7	-0.2
ARCES	comp=Z,2.2nm,0.8s,baz=63,slow=5.6,SNR=5.3						
ARCES	comp=Z,2.0nm,0.4s,baz=91,slow=1.7,SNR=2.5						
ARCES	comp=Z,3.9nm,0.8s,baz=34,slow=3.8,SNR=3.4						
ARCES	comp=Z,9.5nm,0.9s,baz=242,slow=2.6,SNR=18						
ARCES	ARCESS Array B	110.08	343	P	Pdf	05 12 29.7	-0.2
ARCES	comp=Z,7.3nm,0.9s,baz=204,slow=2.7,SNR=5.0						
ARCES	ARCESS Array B	110.08	343	P	Pdf	05 17 03.8	
ARCES						05 27 32.9	
ARCES						05 27 44.1	
ARCES	comp=Z,2.0nm,0.8s						
ARCES	comp=Z,2.0nm,0.4s						
ARCES	comp=Z,4.0nm,0.8s						
ARCES	comp=Z,1.0nm,0.9s						
ARCES	comp=Z,7.0nm,0.9s						
SCIA	State Center	110.11	48	PFAKE	LR	05 16 40.0	
SCIA	comp=Z,3um,20.0s						
S38A	Stockton	110.15	53	P	PKIKP	05 16 31.6	-0.7
S38A	baz=277						
EYMN	Ely	110.23	41	P	PKIKP	05 16 31.6	-0.6
EYMN	comp=Z,2um,21.0s						
EYMN	Ely	110.23	41	P	PKIKP	05 16 31.6	-0.6
EYMN	baz=282						
X39A	Pfuntain Ranch	110.30	56	P	PKIKP	05 16 31.9	-0.7
X39A	baz=278						
F38A	Pierce - Schro	110.37	44	P	PKIKP	05 16 32.2	-0.2
F38A	baz=281						
DAG	Danmarks Havn	110.38	359	P	PKKpbc	05 27 30.7	-4.5
DAG	comp=Z,9.5nm,1.0s						
S39A	Bolivar	110.60	53	P	PKIKP	05 16 32.3	-0.9
S39A	baz=277						
U39A	Green Forest	110.63	54	P	PKIKP	05 16 32.3	-1.0
U39A	baz=277						
T39A	Cleaver	110.64	53	P	PKIKP	05 16 32.	

TIY	comp=Z,3um,15.9s	LR	LR						
TIY	comp=Z,1um,15.0s	LR	LR						
BTO	comp=Z,4um,20.0s								
PPLA	Boatou Purkeypile comp=Z,575nm,1.6s	32.35 273 eP 32.38 43 eP	P P	09 48 24.3 -0.5 09 48 26.3 +1.5					
PPLA	comp=Z,5um,22.0s	LR	LR						
KDAK	Kodiak Island comp=Z,60nm,0.9s,baz=323,slow=2.9,SNR=14	32.39 53 P LR	P	09 48 24.1 -0.6					
KDAK	comp=Z,2um,18.2s,baz=265,slow=4.2	LR	LR	10 04 54.9					
TLY	Talaya comp=Z,46nm,0.8s	32.40 296 eP	P	09 48 25.1 +0.1					
TLY	Talaya	32.40 296 eP	P	09 48 24.5 -0.5					
TLY	Talaya	32.40 296 eP	P	09 48 24.5 -0.1					
TLY	Talaya	32.40 296 eP	P	09 48 24.5 -0.5					
TLY		e	ePPP	09 49 30.8					
TLY		eS	PPP	09 49 52.6					
TLY		pmax	S	09 53 33.8 -2.2					
TLY	comp=Z,61nm,1.0s	MLR	MLR						
CAST	Castle Rocks comp=Z,69nm,1.0s	32.44 42 eP	P	09 48 26.7 +1.4					
CAST	comp=Z,6um,22.0s	LR	LR						
SKT	Skwentna comp=Z,76nm,0.9s	32.67 45 eP	P	09 48 28.6 +1.3					
SKT	comp=Z,5um,19.0s	LR	LR						
HOM	Homer comp=Z,341nm,1.0s	32.71 49 eP	P	09 48 28.5 +0.9					
HOM	comp=Z,3um,20.0s	LR	LR						
CNPM	China Poot comp=Z,244nm,1.6s	32.92 49 eP	P	09 48 29.5 0.0					
CNPM	comp=Z,3um,20.0s	LR	LR						
BPAW	Bear Paw Mtn. comp=Z,91nm,0.9s	32.96 41 eP	P	09 48 30.5 +0.8					
BPAW	comp=Z,5um,19.0s	LR	LR						
KTH	Kantishna Hill comp=Z,121nm,1.0s	32.97 42 eP	P	09 48 31.4 +1.5					
KTH	comp=Z,2um,20.0s	LR	LR						
ZAK	Zakamensk comp=Z,2um,20.0s	32.97 293 eP	P	09 48 30.2 +0.1					
ZAK	Zakamensk	32.97 293 eP	P	09 48 30.2 +0.1					
ZAK		e	e	09 51 11.7					
ZAK		pmax	pmax						
SUA	Susitna One comp=Z,24nm,1.2s	33.06 46 eP	P	09 48 31.1 +0.3					
SUA	comp=Z,194nm,1.4s	LR	LR						
SUA	comp=Z,3um,21.0s	LR	LR						
BRLK	Bradley Lake comp=Z,43nm,0.7s	33.08 49 eP	P	09 48 30.7 -0.2					
BRLK	comp=Z,4um,21.0s	LR	LR						
MLY	Manly comp=Z,35nm,0.8s	33.11 39 eP	P	09 48 31.9 +0.8					
MLY	comp=Z,3um,22.0s	LR	LR						
TRF	Thorofare Moun comp=Z,131nm,0.9s	33.25 42 eP	P	09 48 33.0 +0.5					
TRF	comp=Z,5um,22.0s	LR	LR						
COLD	Coldfoot comp=Z,67nm,0.7s	33.52 35 eP	P	09 48 35.2 +0.6					
COLD	comp=Z,3um,20.0s	LR	LR						
PMR	Palmer comp=Z,51nm,0.9s	33.83 46 eP	P	09 48 37.7 +0.5					
PMR	Palmer	33.83 46 eP	P	09 48 37.7 +0.5					
PMR	Palmer	33.83 46 eP	P	09 48 37.7 +0.5					
MCK	McKinley comp=Z,51nm,0.9s	33.86 42 eP	P	09 48 37.8 +0.2					
MCK	comp=Z,179nm,1.0s	LR	LR						
MCK	comp=Z,5um,19.0s	LR	LR						
MCK	McKinley	33.86 42 eP	P	09 48 37.8 +0.2					
MCK	McKinley	33.86 42 eP	P	09 48 37.8 +0.2					
MCK		pmax	pmax						
MCK	comp=Z,179nm,1.0s	MLR	MLR						
RND	Reindeer comp=Z,5um,19.0s	33.90 42 eP	P	09 48 37.9 -0.1					
RND	comp=Z,198nm,1.0s	LR	LR						
RND	Reindeer comp=Z,5um,19.0s	33.90 42 eP	P	09 48 37.9 -0.1					
RND	comp=Z,199nm,1.0s	pmax	pmax						
RND	comp=Z,199nm,1.0s	MLR	MLR						
GHO	Glory Hole Cre comp=Z,207nm,1.6s	33.91 45 eP	P	09 48 38.4 +0.2					
GHO	comp=Z,4um,20.0s	LR	LR						
TOLK	Toolik Lake Re comp=Z,272nm,1.4s	33.94 33 eP	P	09 48 38.8 +0.5					
TOLK	comp=Z,4um,21.0s	LR	LR						
TOLK	Toolik Lake Re baz=262	33.94 33 P	P	09 48 38.5 +0.2					
MOY	Mondy comp=Z,30nm,1.7s	34.00 296 eP	pmax	09 48 39.0 -0.1					
MDM	Murphy Dome comp=Z,144nm,1.0s	34.18 40 eP	P	09 48 41.1 +0.7					
MDM	comp=Z,4um,21.0s	LR	LR						
SML	Sawmill comp=Z,446nm,0.8s	34.19 45 eP	P	09 48 40.9 +0.4					
SML	comp=Z,4um,21.0s	LR	LR						
SML	comp=Z,446nm,0.8s	pmax	pmax						
SML	comp=Z,4um,21.0s	MLR	MLR						
WRH	Wood River Hill comp=Z,413nm,1.7s	34.23 40 eP	P	09 48 41.4 +0.7					
WRH	comp=Z,4um,21.0s	LR	LR						
TCOL	CIGO, UAF Yank baz=270	34.33 40 P	P	09 48 42.0 +0.3					
COLA	College comp=Z,257nm,0.7s	34.34 40 eP	P	09 48 42.4 +0.8					
COLA	comp=Z,4um,20.0s	LR	LR						
COLA	College	34.34 40 eP	P	09 48 42.4 +0.8					
COLA	College	34.34 40 eP	P	09 48 42.4 +0.8					
COLA		pmax	pmax						
COLA	comp=Z,257nm,0.7s	MLR	MLR						
CCB	Clear Creek Bu comp=Z,73nm,0.8s	34.35 40 eP	P	09 48 42.4 +0.6					
CCB	comp=Z,5um,21.0s	LR	LR						
YOJ	Yonaguni jima comp=Z,7um,22.0s	34.40 238 PFAKE	LR	09 48 50.0 +7.4					
DHY	Denali Highway comp=Z,230nm,1.2s	34.58 43 eP	P	09 48 44.1 +0.1					
DHY	comp=Z,5um,21.0s	LR	LR						
SCM	Sheep Creek Mo comp=Z,190nm,1.0s	34.67 45 eP	P	09 48 45.4 +0.7					
SCM	comp=Z,4um,22.0s	LR	LR						
HDA	Harding Lake comp=Z,72nm,0.6s	34.73 41 eP	P	09 48 44.8 -0.3					
HDA	comp=Z,4um,21.0s	LR	LR						
HDA	Harding Lake baz=271	34.73 41 P	P	09 48 44.8 -0.3					
IL1	Eielson Array baz=271	34.75 40 eP	P	09 48 45.2 -0.1					
ILAR	Eielson Array comp=Z,31nm,0.8s,baz=256,slow=8.1,SNR=220	34.75 40 P	P	09 48 45.2 0.0					
ILAR		PcP	PcP	09 51 15.9 -1.9					

ILAR	comp=Z,6.8nm,0.9s,baz=279,slow=4.2,SNR=4.0	LR	LR	10 03 33.3					
ILB	Eielson Array comp=Z,114nm,0.8s	34.75 40 eP 34.86 47 eP	P P	09 48 45.1 -0.1 09 48 46.5 +0.2					
GLI	comp=Z,5um,22.0s	LR	LR						
TATO	Taipei comp=Z,5um,21.0s	34.87 240 PFAKE	LR	09 49 00.0 +13					
YHNB	Yeheng comp=Z,6um,21.0s	35.17 240 PFAKE	LR	09 49 00.0 +11					
FID	Port Fidalgo comp=Z,216nm,1.2s	35.18 47 eP	P	09 48 49.0 +0.1					
FID	comp=Z,6um,22.0s	LR	LR						
WHN	Wuhan	35.28 255 P	S	09 48 50.1 -0.1					
WHN	comp=Z,15um,22.3s	LR	LR	09 54 20.1 -0.7					
WHN	comp=Z,6um,17.5s	LR	LR						
WHN	comp=Z,6um,21.2s	LR	LR						
KLU	Klutina comp=Z,140nm,1.0s	35.37 46 eP	P	09 48 51.2 +0.5					
KLU	comp=Z,4um,22.0s	LR	LR						
NACB	Ninganchiao comp=Z,4um,20.0s	35.42 239 PFAKE	LR	09 49 00.0 +8.5					
FYU	Fort Yukon comp=Z,308nm,0.9s	35.44 37 eP	P	09 48 52.6 +1.5					
FYU	comp=Z,3um,21.0s	LR	LR						
PAX	Paxson comp=Z,110nm,1.4s	35.45 43 eP	P	09 48 51.8 +0.4					
PAX	comp=Z,4um,21.0s	LR	LR						
PAX	comp=Z,110nm,1.4s	pmax	pmax						
PAX	comp=Z,4um,21.0s	MLR	MLR						
DIV	Divide comp=Z,138nm,0.8s	35.48 46 eP	P	09 48 52.0 +0.3					
DIV	comp=Z,5um,21.0s	LR	LR						
EYAK	Coodya Ski Ar comp=Z,68nm,0.9s	35.56 47 eP	P	09 48 53.2 +1.0					
EYAK	comp=Z,5um,22.0s	LR	LR						
HARP	HAARP comp=Z,370nm,1.4s	35.64 44 eP	P	09 48 53.8 +0.9					
RIDG	Independ'e Rid comp=Z,207nm,1.0s	35.68 42 eP	P	09 48 53.5 +0.2					
RIDG	comp=Z,5um,21.0s	LR	LR						
DOT	Dot Lake comp=Z,44nm,0.7s	36.03 42 eP	P	09 48 56.6 +0.3					
DOT	comp=Z,6um,22.0s	LR	LR						
SCRK	Sand Creek comp=Z,212nm,1.3s	36.04 41 eP	P	09 48 56.3 -0.2					
SCRK	comp=Z,4um,20.0s	LR	LR						
BMRM	Brem's River comp=Z,178nm,1.0s	36.06 46 eP	P	09 48 57.6 +1.0					
BMRM	comp=Z,7um,22.0s	LR	LR						
SSLB	Suanguang comp=Z,26nm,0.7s	36.09 239 eP	P	09 48 57.8 +0.6					
SSLB	comp=Z,5um,20.0s	LR	LR						
RAGM	Ragged Mountai comp=Z,384nm,1.6s	36.11 47 eP	P	09 48 58.1 +1.1					
RAGM	comp=Z,4um,22.0s	LR	LR						
YULB	Yu-li comp=Z,56nm,0.9s	36.20 239 eP	P	09 48 58.3 +0.2					
YULB	comp=Z,3um,22.0s	LR	LR						
KNGR	Kungurtug, Tuv comp=Z,148nm,1.0s	36.41 296 i/P 36.60 243 eP	P P	09 49 00.0 +0.2 09 49 05.9 +4.4					
OZH	Quanzhou	LR	LR	09 54 40.1 -0.8					
OZH	comp=Z,2um,19.9s	LR	LR						
OZH	comp=Z,1um,16.6s	LR	LR						
XAN	Xi'an	36.65 264 P	pP	09 49 01.6 -0.3					
XAN	comp=Z,52nm,1.2s	pP	pP	09 49 11.3 -3.1					
XAN	comp=Z,430nm,5.9s	S	S	09 54 38.8 -2.9					
XAN	comp=Z,3um,19.0s	S	S	09 55 10.0 +3.4					
XAN	comp=Z,3um,20.8s	SS	SS	09 57 20.1 -3.0					
XAN	comp=Z,5um,22.6s	pmax	pmax						
TPUB	Ta-pu comp=Z,148nm,1.0s	36.66 239 eP	P	09 49 02.3 +0.2					
TPUB	comp=Z,5um,21.0s	LR	LR						
TWG	Pinlang comp=Z,455nm,0.9s	36.78 238 eP	P	09 49 03.1 0.0					
TWG	comp=Z,16um,21.0s	LR	LR						
TGL	Tana Glacier comp=Z,141nm,0.8s	36.95 46 eP	P	09 49 05.4 +1.1					
TGL	comp=Z,6um,20.0s	LR	LR						
BALM	Baldy comp=Z,128nm,1.0s	37.14 46 eP	P	09 49 06.6 +0.7					
BALM	comp=Z,5um,22.0s	LR	LR						
BALM	comp=Z,5um,22.0s	pmax	pmax						
BALM	comp=Z,128nm,1.0s	MLR	MLR						
BALM	comp=Z,5um,22.0s	MLR	MLR						
EGAK	Eagle								

Table with columns for station call letters, frequency, and various signal quality metrics (e.g., pmax, LR, ScS, MLR).

Table with columns for station call letters, frequency, and various signal quality metrics (e.g., MLR, P, Pmax, LR).

Table with columns for station call letters, frequency, and various signal quality metrics (e.g., LR, P, Pmax, ScS).

KMRM	comp=Z,47nm,1.1s	LR	LR						
PATY	comp=Z,2um,22.0s Pataya	56.57 250 P	P	09 51 42.0 +4.1					
DMN	comp=Z,16nm,0.4s,comp=Z,5um Daman	56.58 275 eP	P	09 51 39.4 +1.3					
SRDT	comp=Z,172nm,0.7s SRDT	56.61 253 P	P	09 51 40.8 +2.7					
N02D	comp=Z,28nm,0.7s Trinity Center baz=308,SNR=32	56.62 64 P	P	09 51 39.5 +1.4					
I07A	comp=Z,26nm,0.8s Izee	56.63 59 eP	P	09 51 39.5 +1.4					
I07A	comp=Z,1um,21.0s Summer Lake	56.64 61 eP	P	09 51 39.7 +1.4					
K05A	comp=Z,113nm,1.0s		LR						
PRGR	comp=Z,2um,20.0s Permogore	56.64 327 eP	P	09 51 36.0 -1.7					
M04C	comp=Z,34nm,0.9s Macdoel baz=308,SNR=43	56.65 63 P	P	09 51 39.6 +1.3					
APSI	comp=Z,45nm,1.1s,comp=Z,724nm Ampana	56.70 221 P	P	09 51 38.1 -0.6					
WALA	comp=Z,72nm,0.9s Waterton Lakes	56.72 52 eP	P	09 51 39.5 +0.8					
WALA	comp=Z,3um,22.0s ARCES ARCESS Array B	56.76 341 P	P	09 51 38.2 -0.3					
AREO	comp=Z,39nm,0.7s,comp=Z,8.8s,SNR=28 ARCES ARCESS Array B	56.76 341 eP	P	09 51 36.9 -1.6					
AREO	comp=Z,39nm,1.0s ARCES ARCESS Array B	56.76 341 PFAKE	LR	09 51 50.0 +1.1					
AREO	comp=Z,300nm,20.0s ARCES Array S	56.76 341 eP	P	09 51 38.8 +0.3					
F10A	comp=Z,1um,21.0s Beach Ranch, E	56.78 56 eP	P	09 51 39.9 +0.8					
KCPM	comp=Z,56nm,1.1s Cahto Peak	56.88 66 eP	P	09 51 41.4 +1.4					
WDC	comp=Z,2um,22.0s Whiskeytown Da	56.96 64 eP	P	09 51 41.7 +1.3					
WDC	comp=Z,39nm,1.0s		LR						
WDC	comp=Z,1um,21.0s Whiskeytown Da	56.96 64 eP	P	09 51 41.7 +1.3					
WDC	comp=Z,39nm,1.0s		MLR						
BSMT	comp=Z,1um,21.0s Bassoo Peak	56.98 53 eP	P	09 51 41.9 +1.2					
DANN	comp=Z,219nm,0.6s Dangsing	56.98 277 eP	P	09 51 41.8 +0.7					
O02D	comp=Z,308,SNR=30 Mt. Diablo Mer	57.06 65 P	P	09 51 42.6 +1.4					
JTMT	comp=Z,67nm,0.9s Jette	57.31 53 eP	P	09 51 43.8 +0.9					
PHET	comp=Z,2um,22.0s Kaeng Krachan	57.36 251 P	P	09 51 45.2 +1.7					
BMO	comp=Z,58nm,0.8s Blue Mountains	57.41 58 eP	P	09 51 44.9 +1.3					
BMO	comp=Z,2um,22.0s Blue Mountains	57.41 58 eP	P	09 51 44.9 +1.3					
BMO	comp=Z,58nm,0.8s		MLR						
KOLN	comp=Z,2um,22.0s Koldanda	57.47 276 eP	P	09 51 45.5 +1.1					
MOD	comp=Z,99nm,0.6s Modoc Plateau	57.49 62 eP	P	09 51 45.1 +0.8					
MOD	comp=Z,68nm,1.0s		LR						
O03E	comp=Z,2um,22.0s Paynes Creek baz=308,SNR=54	57.58 64 P	P	09 51 45.4 +0.6					
HOPS	comp=Z,92nm,1.5s Hopland Field	57.62 66 eP	P	09 51 46.3 +1.3					
HOPS	comp=Z,2um,20.0s Honiah	57.63 174 LR	LR	10 13 15.9					
J08A	comp=Z,1um,21.9s,comp=Z,351,slow=32 Circle Bar Ran	57.66 60 eP	P	09 51 46.8 +1.4					
J08A	comp=Z,1um,21.0s Piuthan	57.66 277 eP	P	09 51 46.9 +1.2					
KTK1	comp=Z,189nm,1.0s Kautokeino	57.66 341 eP	P	09 51 45.7 +0.8					
GDXM	comp=Z,41nm,1.0s Geysers	57.90 66 eP	P	09 51 48.5 +1.4					
MGL	comp=Z,2um,20.0s Magalia	58.03 65 eP	P	09 51 48.7 +0.7					
MSO	comp=Z,119nm,1.1s Missoula	58.06 54 eP	P	09 51 48.9 +0.9					
MSO	comp=Z,308,SNR=50 Missoula	58.06 54 P	P	09 51 48.9 +0.7					
WVOR	comp=Z,46nm,0.8s Wild Horse Val	58.13 60 eP	P	09 51 50.0 +1.3					
ORV	comp=Z,2um,22.0s Oroville	58.22 65 eP	P	09 51 49.6 +0.3					
ORV	comp=Z,30nm,0.8s Oroville	58.22 65 eP	P	09 51 49.6 +0.3					
ABKAR	comp=Z,30nm,0.8s Abkar Akbul array	58.23 310 eP	P	09 51 48.2 -0.9					
MCCM	comp=Z,82nm,1.2s Marconi Confer	58.26 67 eP	P	09 51 49.6 +0.1					
MCCM	comp=Z,2um,21.0s Beckworth	58.71 64 eP	P	09 51 53.5 +0.6					
AFDM	comp=Z,35nm,1.2s Forest Hills D	58.92 65 eP	P	09 51 54.8 +0.6					
FFC	comp=Z,39nm,0.9s Flin Flon	58.94 41 eP	P	09 51 55.0 +1.0					
FFC	comp=Z,3um,21.0s Flin Flon	58.94 41 eP	P	09 51 55.0 +1.0					
SUMG	comp=Z,124nm,0.8s Summit	59.12 5 eP	P	09 51 55.9 +0.3					
SUMG	comp=Z,348nm,0.9s Summit	59.12 5 iP	P	09 51 55.8 +0.3					
SUMG	comp=Z,350nm,0.9s Holter Resear	59.27 53 eP	P	09 51 57.8 +1.2					
RUBR	comp=Z,35nm,0.8s Rubicon Trail	59.35 64 eP	P	09 51 58.4 +1.0					
PAHR	comp=Z,57nm,1.0s Pah Rah Range	59.40 63 eP	P	09 51 58.5 +0.9					
TTSI	comp=Z,96nm,0.8s Tana Toraja	59.41 221 P	P	09 51 51.3 -6.3					
FCC	comp=Z,3um,19.0s Fort Churchill	59.45 34 eP	P	09 51 58.1 +0.6					
FCC	comp=Z,96nm,0.8s		MLR						
LRM	comp=Z,3um,19.0s Limekiln Ridge	59.49 54 eP	P	09 51 59.5 +1.2					
VCNR	comp=Z,49nm,0.8s Virginia City	59.50 64 eP	P	09 51 59.5 +1.1					
EGMT	comp=Z,207nm,1.4s Eagleton	59.53 51 eP	P	09 51 59.3 +1.0					
EGMT	comp=Z,3um,22.0s Eagleton	59.53 51 P	P	09 51 59.1 +0.8					
PNTR	comp=Z,310,SNR=32 Pine Nut	59.66 64 eP	P	09 52 00.7 +1.2					
DLMT	comp=Z,67nm,0.7s Dillon	59.71 55 eP	P	09 52 00.5 +0.8					
HLID	comp=Z,1um,22.0s Hailey	59.84 57 eP	P	09 52 01.9 +1.2					

HLID	comp=Z,52nm,1.1s	LR	LR						
HLID	comp=Z,2um,21.0s Hailey	59.84 57 P	P	09 52 01.9 +1.2					
CMB	comp=Z,10,SNR=64 Columbia Colle	59.85 65 eP	P	09 52 01.5 +0.8					
CMB	comp=Z,41nm,1.0s		LR						
CMB	comp=Z,1um,22.0s Columbia Colle	59.85 65 eP	P	09 52 01.5 +0.8					
CMB	comp=Z,41nm,1.0s		MLR						
MCMT	comp=Z,1um,22.0s McKenzie Canyo	59.91 55 eP	P	09 52 01.9 +0.7					
YERR	comp=Z,66nm,0.9s Yerington	59.94 64 eP	P	09 52 02.5 +1.1					
SAO	comp=Z,26nm,1.0s San Andreas Ge	60.02 67 eP	P	09 52 02.5 +0.8					
SAO	comp=Z,26nm,1.0s San Andreas Ge	60.02 67 eP	P	09 52 02.5 +0.8					
BOZ	comp=Z,26nm,1.0s Bozeman (W)	60.08 54 eP	P	09 52 03.5 +1.2					
BOZ	comp=Z,112nm,0.9s		MLR						
BOZ	comp=Z,2um,18.0s Bozeman (W)	60.08 54 eP	P	09 52 03.5 +1.2					
BOZ	comp=Z,112nm,0.9s		MLR						
BOZ	comp=Z,2um,18.0s Bozeman (W)	60.08 54 P	P	09 52 03.4 +1.2					
WAKR	comp=Z,48nm,0.7s Walker	60.13 64 eP	P	09 52 04.0 +1.3					
WAKR	comp=Z,2um,22.0s Kuching	60.18 234 eP	P	09 52 04.2 +1.2					
KSM	comp=Z,1um,22.0s Steigen	60.19 344 eP	P	09 51 59.1 -3.3					
STEI	comp=Z,2um,22.0s Battle Mountai	60.22 62 PFAKE	LR	09 52 20.0 +1.7					
BMN	comp=Z,2um,22.0s Sidrap Palu	60.25 221 P	P	09 52 03.2 -0.2					
LOF	comp=Z,20nm,1.2s,comp=Z,615nm Lofoten	60.33 344 eP	P	09 52 04.3 +1.0					
JMIC	comp=Z,45nm,1.1s Jan Mayen	60.45 354 eP	P	09 52 05.6 +1.5					
BNSI	comp=Z,44nm,0.8s Bone	60.49 220 P	P	09 52 05.7 +0.6					
KVN	comp=Z,44nm,0.8s Kaiserville	60.58 63 eP	P	09 52 06.8 +1.0					
KVN	comp=Z,74nm,0.8s Ryan	60.60 64 eP	P	09 52 07.0 +1.1					
RYN	comp=Z,55nm,0.8s Earthquake Lak	60.68 54 eP	P	09 52 08.0 +1.6					
QLMT	comp=Z,44nm,0.8s Sintang	60.74 232 P	P	09 52 07.7 +0.9					
PMPB	comp=Z,67nm,0.7s Monarch Peak	60.77 67 eP	P	09 52 07.9 +1.0					
LHV	comp=Z,1um,21.9s,comp=Z,50,slow=32 Little Huntoon	60.85 64 eP	P	09 52 09.1 +1.7					
NV01	comp=Z,48nm,0.7s,comp=Z,294,slow=2.2,SNR=311 Mina Array Sit	60.86 64 eP	P	09 52 08.7 +1.0					
NVAR	comp=Z,48nm,0.7s,comp=Z,294,slow=2.2,SNR=311 Mina Array Bea	60.86 64 P	P	09 52 08.8 +1.1					
NVAR	comp=Z,1um,21.9s,comp=Z,50,slow=32 Horse Butte	60.86 54 eP	P	09 52 09.2 +1.5					
YHB	comp=Z,1um,21.0s Mina Array Sit	60.95 64 eP	P	09 52 09.2 +1.0					
OMMB	comp=Z,3.7nm,1.0s Old Mammoth M	60.97 65 PFAKE	LR	09 52 20.0 +1.1					
OMMB	comp=Z,2um,22.0s Greycliff	61.01 53 eP	P	09 52 10.2 +1.7					
YHH	comp=Z,72nm,0.9s Holmes Hill	61.02 54 eP	P	09 52 09.9 +1.1					
YHH	comp=Z,2um,20.0s Madison River	61.04 54 eP	P	09 52 10.4 +1.6					
YMR	comp=Z,1um,18.0s Mammoth, Mammo	61.05 65 P	P	09 52 10.3 +1.2					
MLAC	comp=Z,47nm,0.9s,comp=Z,87nm Sanghla	61.16 246 P	P	09 52 11.6 +2.9					
SKLT	comp=Z,12nm,1.1s Bulukumba	61.21 220 P	P	09 52 10.3 -0.3					
BKSI	comp=Z,121nm,0.9s Ilulissat	61.32 10 eP	P	09 52 09.6 -0.4					
ILULI	comp=Z,4um,19.0s Ilulissat	61.32 10 iP	P	09 52 09.5 -0.5					
ILULI	comp=Z,4um,19.0s Ilulissat	61.32 10 iP	P	09 52 09.5 -0.5					
ILULI	comp=Z,4um,19.0s Ilulissat	61.32 10 iP	P	09 52 09.5 -0.5					
YPP	comp=Z,46nm,1.1s Pitchstone Pla	61.38 55 eP	P	09 52 13.4 +2.1					
YPP	comp=Z,2um,22.0s Lake	61.41 54 eP	P	09 52 14.5 +3.0					
LKWW	comp=Z,2um,20.0s Antelope Grade	61.42 67 eP	P	09 52 12.5 +1.2					
PAGB	comp=Z,91nm,1.2s Grant Village	61.43 54 eP	P	09 52 14.5 +2.9					
H17A	comp=Z,2um,22.0s Grant Village	61.43 54 P	P	09 52 12.0 +0.5					
H17A	comp=Z,37nm,1.0s Scoresbysund	61.55 359 eP	P	09 52 12.2 +0.6					
SCO	comp=Z,2um,18.0s Scoresbysund	61.55 359 iP	P	09 52 12.1 +0.6					
SCO	comp=Z,34nm,1.0s Indian Meadow	61.56 55 eP	P	09 52 14.3 +1.8					
IMW	comp=Z,1um,21.0s Flagg Ranch	61.56 55 eP	P	09 52 14.4 +2.0					
FLWY	comp=Z,1um,22.0s Red Lodge	61.66 53 eP	P	09 52 14.7 +1.7					
RLMT	comp=Z,2um,22.0s Red Lodge	61.66 53 LR	LR						
RLMT	comp=Z,2um,22.0s Red Lodge	61.66 53 P	P	09 52 14.5 +1.5					
FXWY	comp=Z,35nm,0.8s Moose Ponds	61.76 55 eP	P	09 52 15.4 +1.7					
MOOW	comp=Z,56nm,1.1s		LR						
TIN	comp=Z,1um,22.0s Tinemaha, Big	61.80 65 P	P	09 52 15.2 +1.3					
TPAW	comp=Z,116nm,1.0s Teton Pass	61.81 55 eP	P	09 52 16.0 +1.9					
TPAW	comp=Z,2um,22.0s Simler	61.85 68 P	P	09 52 14.9 +0.6					
HVU	comp=Z,41nm,0.9s Hansel Valley	61.91 58 eP	P	09 52 16.1 +1.4					
HVU	comp=Z,1um,21.0s Hansel Valley	61.91 58 eP	P	09 52 16.1 +1.4					
HVU	comp=Z,41nm,0.9s		MLR						
LOHW	comp=Z,1um,21.0s Long Hollow	61.92 55 eP	P	09 52 16.3 +1.4					
LOHW	comp=Z,1um,22.0s		LR						

REDW	comp=Z,124nm,1.0s Red Top Meadow	61.95 55 eP	P	09 52 16.
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C40A	comp=Z,3um,22.0s	LR	LR		
C40A	Isle Royale Na baz=320	69.42	40 P	P	09 53 02.3 -0.5
KSCO	Kaye Sheddock comp=Z,36nm,0.9s	69.44	54 eP	P	09 53 03.7 +0.4
KSCO	comp=Z,1um,19.0s		LR	LR	
KSCO	Kaye Sheddock baz=316,SNR=7.0	69.44	54 P	P	09 53 03.4 +0.2
GOF	Gofitskoye	69.46	315 i/P	P	09 53 03.7 +0.6
GOF	comp=Z,70nm,0.7s			pmax	
TUC	Tucson	69.51	64 eP	P	09 53 04.3 +0.6
TUC	comp=Z,39nm,1.1s		LR	LR	
TUC	comp=Z,900nm,22.0s	69.51	64 eP	P	09 53 04.3 +0.6
TUC	comp=Z,39nm,1.1s			pmax	
TUC	comp=Z,900nm,22.0s	69.51	64 P	P	09 53 04.4 +0.7
F37A	Hinrichs Farm, baz=319,SNR=15	69.54	44 P	P	09 53 03.5 0.0
BLS5	Blasjo	69.56	343 eP	P	09 53 04.3 +0.8
F38A	Pierce Schro baz=319,SNR=44	69.70	43 P	P	09 53 04.5 -0.1
T25A	Trinidad	69.80	57 eP	P	09 53 06.1 +0.5
T25A	comp=Z,2um,20.0s		LR	LR	
T25A	Trinidad	69.80	57 P	P	09 53 06.0 +0.4
AKT	baz=316,SNR=24	69.80	310 eP	P	09 53 05.3 -0.1
AKT	Akhty			e	09 53 28.7
AKT	comp=Z,32nm,0.6s			pmax	
SPMN	Marine on St.	69.83	44 eP	P	09 53 05.6 +0.2
SPMN	comp=Z,77nm,1.0s		LR	LR	
SPMN	Marine on St.	69.83	44 P	P	09 53 05.3 -0.1
E39A	Mellen	69.98	42 P	P	09 53 06.0 -0.3
KMY	Karmoy	69.99	344 eP	P	09 53 06.6 +0.5
BGNE	Belgrade	70.06	50 eP	P	09 53 07.1 +0.2
BGNE	comp=Z,4um,22.0s		LR	LR	
BGNE	Belgrade	70.06	50 P	P	09 53 06.7 -0.2
WB0	Warramunga Arr	70.09	200	PFAKE	09 53 20.0 +13
WB0	comp=Z,900nm,22.0s		LR	LR	
WB9	Warramunga Arr	70.11	200	PFAKE	09 53 20.0 +13
WB9	comp=Z,2um,20.0s		LR	LR	
WB8	Warramunga Arr	70.13	200	PFAKE	09 53 20.0 +13
WB8	comp=Z,800nm,22.0s		LR	LR	
SUW	Suwalki	70.14	332 eP	P	09 53 06.6 -0.5
SUW	Suwalki	70.14	332 eP	P	09 53 06.2 -0.9
SUW	Suwalki	70.14	332 eP	P	09 53 06.2 -0.9
F39A	Loretta	70.17	42 eP	P	09 53 07.4 -0.1
WB6	Warramunga Arr	70.18	200	PFAKE	09 53 20.0 +12
WB6	comp=Z,800nm,20.0s		LR	LR	
LAZ	Ladron	70.19	60 eP	P	09 53 09.2 +1.2
WB5	Warramunga Arr	70.20	200	PFAKE	09 53 20.0 +12
WB5	comp=Z,800nm,20.0s		LR	LR	
ANMO	Albuquerque	70.20	60 eP	P	09 53 08.8 +0.7
ANMO	comp=Z,32nm,0.9s		LR	LR	
ANMO	Albuquerque	70.20	60 eP	P	09 53 06.6 -1.4
ANMO	comp=Z,20nm,1.0s			pmax	
ANMO	Albuquerque	70.20	60 P	P	09 53 08.3 +0.3
HOMB	Homborsund	70.22	342 eP	P	09 53 08.5 +1.1
E40A	Wakefield	70.22	42 P	P	09 53 07.8 0.0
WR0	Warramunga Arr	70.24	200	PFAKE	09 53 20.0 +12
WR0	comp=Z,1um,22.0s		LR	LR	
WR9	Warramunga Arr	70.24	200	PFAKE	09 53 20.0 +12
WR9	comp=Z,700nm,22.0s		LR	LR	
WR8	Warramunga Arr	70.24	200	PFAKE	09 53 20.0 +12
WR8	comp=Z,900nm,19.0s		LR	LR	
WB3	Warramunga Arr	70.25	200	PFAKE	09 53 20.0 +12
WB3	comp=Z,700nm,19.0s		LR	LR	
WC2	Warramunga Arr	70.25	200	PFAKE	09 53 20.0 +12
WC2	comp=Z,1um,22.0s		LR	LR	
WR7	Warramunga Arr	70.25	200	PFAKE	09 53 20.0 +12
WR7	comp=Z,800nm,18.0s		LR	LR	
WC1	Warramunga Arr	70.25	200	PFAKE	09 53 20.0 +12
WC1	comp=Z,800nm,22.0s		LR	LR	
WR6	Warramunga Arr	70.25	200	PFAKE	09 53 20.0 +12
WR6	comp=Z,2um,22.0s		LR	LR	
WRAB	Tennant Creek	70.26	200 eP	P	09 53 08.0 -0.1
WRAB	comp=Z,116nm,1.1s		LR	LR	
WRAB	Tennant Creek	70.26	200 eP	P	09 53 07.8 -0.3
WRAB	comp=Z,900nm,19.0s			pmax	
WR4	Warramunga Arr	70.26	200	PFAKE	09 53 20.0 +12
WR4	comp=Z,1um,22.0s		LR	LR	
WR3	Warramunga Arr	70.26	200	PFAKE	09 53 20.0 +12
WR3	comp=Z,1um,22.0s		LR	LR	
WB2	Warramunga Arr	70.27	200 eP	P	09 53 08.1 -0.1
WB2	comp=Z,163nm,1.3s		LR	LR	
WR2	Warramunga Arr	70.27	200	PFAKE	09 53 20.0 +12
WR2	comp=Z,1um,22.0s		LR	LR	
WR1	Warramunga Arr	70.27	200	PFAKE	09 53 20.0 +12
WR1	comp=Z,800nm,20.0s		LR	LR	
WRA	Warramunga Arr	70.27	200 P	P	09 53 08.2 0.0
WRA	comp=Z,71nm,1.0s,baz=17,slo=6.6,SNR=152			e	09 53 07.9 -0.3
WRA	Warramunga Arr	70.27	200	P	09 53 07.9 -0.3
WRA	comp=Z,71nm,1.0s			pmax	
WC3	Warramunga Arr	70.28	200	PFAKE	09 53 20.0 +12
WC3	comp=Z,1um,22.0s		LR	LR	
WC4	Warramunga Arr	70.29	200	PFAKE	09 53 20.0 +12
WC4	comp=Z,1um,22.0s		LR	LR	
G38A	Ridgeland	70.31	44 P	P	09 53 08.0 -0.3
D41A	Chassel	70.33	40 eP	P	09 53 08.4 0.0
D41A	comp=Z,228nm,1.4s		LR	LR	
D41A	Chassel	70.33	40 P	P	09 53 08.5 +0.1
NCK	Nalchik	70.37	314 i/P	P	09 53 08.7 0.0
NCK	comp=Z,14nm,0.8s			pmax	
SNART	Snatemo	70.42	342 eP	P	09 53 09.5 +0.8
KIV	Kislovodsk	70.46	315 eP	P	09 53 09.8 +0.5
KIV	comp=Z,45nm,1.0s		LR	LR	
KIV	Kislovodsk	70.46	315 eP	P	09 53 09.2 -0.1
KIV	Kislovodsk	70.46	315 P	P	09 53 09.3 0.0
KIV	SNR=5.8		S	S	10 02 18.0 -0.7
KIV	Kislovodsk	70.46	315 i/P	P	09 53 10.4 +1.0

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KIV	SNR=6.6				
KIV	Kislovodsk	70.46	315 eP	P	09 53 09.2 -0.1
KIV	comp=Z,30nm,1.1s			pmax	10 02 20.0 +1.3
KIV	comp=Z,4um,18.0s		MLR	MLR	
LENM	Lemitar	70.46	60 eP	P	09 53 10.7 +1.1
H38A	Maiden Rock	70.49	44 P	P	09 53 09.1 -0.3
KBZ	Khabaz	70.53	314 P	P	09 53 09.6 0.0
F40A	Park Falls	70.53	42 P	P	09 53 09.4 -0.3
G39A	Holcombe	70.54	43 P	P	09 53 09.2 -0.4
LPM	Los Pinos Moun	70.55	60 eP	P	09 53 10.3 +0.1
Y22D	IRIS PASSCAL I	70.55	61 P	P	09 53 10.3 +0.2
E41A	Kenton	70.62	41 P	P	09 53 10.2 0.0
BNM	Barren Site	70.67	60 eP	P	09 53 11.8 +0.8
BOM	Bombay	70.73	277 i/P	P	09 53 00.6 -1.1
BOM	Bombay	70.73	277 i/P	P	09 53 00.6 -1.1
BOM	Bombay	70.73	277 i/P	P	10 02 12.1 -1.0
BOM	Bombay	70.73	277 i/P	P	09 53 00.0 -1.1
ZEI	Tsey	70.75	313 eP	P	09 53 09.4 -1.9
DZM	comp=Z,15nm,0.9s			pmax	
DZM	Mont Dzumac	70.81	168 eP	P	09 53 13.1 +1.6
DZM	comp=Z,89nm,1.1s		eS	S	10 02 22.7 -0.1
DZM	comp=Z,1um,28.8s		eS	S	10 02 22.8 -0.1
DZM	comp=Z,3um,29.7s		eLQ	LQ	10 11 43.4
DZM	comp=Z,4um,34.4s		eLR	LR	10 14 44.5
COWI	Conover	70.83	41 eP	P	09 53 11.2 -0.3
COWI	comp=Z,6um,24.8s		LR	LR	
COWI	comp=Z,3um,21.0s		LR	LR	
AKASG	Malin Array Be	70.84	327 P	P	09 53 09.9 -1.5
AKASG	comp=Z,6.1nm,0.4s,baz=34,slo=6.2,SNR=23		LR	LR	10 26 52.2
AKAB	Malin Array Si	70.84	327 eP	P	09 53 10.2 -1.2
AKBB	comp=Z,7um,20.0s		LR	LR	
KIEV	Kiev	70.86	327 eP	P	09 53 10.1 -1.4
KIEV	comp=Z,24nm,0.9s		LR	LR	
KIEV	Kiev	70.86	327 i/P	P	09 53 10.0 -1.4
KIEV	comp=Z,7um,20.0s			pmax	
KIEV	Kiev	70.86	327 eP	P	09 53 10.1 -1.4
KIEV	comp=Z,24nm,0.9s		MLR	MLR	
AK11	Malin Array Si	70.88	327 eP	P	09 53 10.8 -0.9
H39A	Augusta	70.95	44 P	P	09 53 11.9 -0.3
NEY	Neuino	70.97	314 i/P	P	09 53 12.5 -0.1
G40A	Rib Lake	70.99	43 eP	P	09 53 12.9 +0.4
G40A	comp=Z,38nm,0.9s		LR	LR	
G40A	comp=Z,2um,22.0s		LR	LR	
G40A	Rib Lake	70.99	43 P	P	09 53 12.1 -0.4
K36A	Gilmore City	71.00	47 P	P	09 53 12.3 -0.3
319A	Doiglas	71.07	64 eP	P	09 53 14.3 +1.0
319A	comp=Z,142nm,0.9s		LR	LR	
E42A	Champion	71.11	40 P	P	09 53 13.2 0.0
F41A	Three Lakes	71.12	42 eP	P	09 53 14.2 +1.0
F41A	comp=Z,77nm,0.9s		LR	LR	
F41A	Three Lakes	71.12	42 P	P	09 53 13.3 0.0
TBLG	Delisi	71.13	312 eP	P	09 53 13.6 +0.2
TBLG	comp=Z,42nm,0.6s		LR	LR	
CBKS	Cedar Bluff	71.14	53 eP	P	09 53 13.0 -0.5
CBKS	comp=Z,1um,20.0s		LR	LR	
CBKS	Cedar Bluff	71.14	53 eP	P	09 53 13.0 -0.5
CBKS	comp=Z,42nm,0.8s			pmax	
CBKS	comp=Z,1um,20.0s		MLR	MLR	
CBKS	Cedar Bluff	71.14	53 P	P	09 53 13.1 -0.4
121A	Cookes Peak, D	71.14	62 P	P	09 53 14.9 +1.1
K37A	Belmond	71.29	46 P	P	09 53 14.0 -0.3
L36A	Harm Buss Farm	71.29	47 P	P	09 53 14.1 -0.2
H40A	Chi	71.40	43 P	P	09 53 14.9 -0.1
I39A	Houston	71.47	44 eP	P	09 53 16.0 +0.6
I39A	comp=Z,76nm,1.0s		LR	LR	
I39A	Houston	71.47	44 P	P	09 53 15.0 -0.3
G41A	Antigo	71.49	42 P	P	09 53 15.3 -0.2
SCHO	Schefferville	71.53	24 P	P	09 53 16.0 +0.4
SCHO	comp=Z,102nm,0.9s,baz=336,slo=5.8,SNR=40		LR	LR	10 28 45.9
F42A	Maple Grove Fa	71.53	41 P	P	09 53 15.5 -0.2
E43A	Lone Tree Farm	71.54	40 eP	P	09 53 15.9 +0.1
E43A	comp=Z,66nm,1.1s		LR	LR	
E43A	Lone Tree Farm	71.54	40 P	P	09 53 15.7 -0.1
BSD	Bornholm Skovb	71.57	337 i/P	P	09 53 15.7 0.0
BSD	comp=Z,99nm,1.0s			pmax	
BSD	Bornholm Skovb	71.57	337 i/P	P	09 53 15.7 0.0
COP	Copenhagen	71.69	339 i/P	P	09 53 16.5 +0.1
COP	comp=Z,67nm,0.9s			pmax	
COP	Copenhagen	71.69	339 i/P	P	09 53 16.5 +0.1
HSIG	comp=Z,67nm,0.9s			pmax	

GD12	Guadalupe Moun	73.39	60	eP	P	09 53 27.7	+0.6
LVV	L'vov	73.42	329	eS	S	09 53 24.7	-2.2
LVV	L'vov	73.42	329	eS	S	10 02 43.1	-9.2
DRUM	comp-Z,6um,15.0s			MLR	MLR		
DRUM	Mains of Drum	73.48	347	eP	I Amb	09 53 26.6	-0.4
CLDR	Caldrin	73.49	311	eP	P	09 53 27.8	+0.1
KPL	Plockton	73.50	349	eP	I Amb	09 53 26.9	-0.2
SIM	comp-Z,94nm,1.0s			eP	P	09 53 28.5	+0.8
SIM	Simiferol	73.55	320	eP	P	09 53 28.5	+0.8
SIM	SIM			eS	S	09 56 13.0	
SIM	SIM			ePS	PnS	10 02 55.0	+1.0
SIM	SIM			eSS	SS	10 07 42.0	+5.7
SIM	SIM			eSSS	SSS	10 10 54.0	
SIM	comp-Z,25nm,1.0s			pmx	pmx		
SIM	comp-Z,102um,8.4s			MLR	MLR		
CHAY	comp-N,2um,11.1s			eP	P	09 53 47.4	+1.9
AGRB	Cayel-Rize	73.62	314	eP	P	09 53 29.7	+1.2
N40A	Hannu Grey	73.72	46	eP	P	09 53 28.6	-0.1
L42A	Oliver, Polo	73.76	44	eP	P	09 53 28.6	-0.5
L42A	comp-N,45nm,0.8s			LR	LR		
L42A	Oliver, Polo	73.76	44	eP	P	09 53 28.5	-0.5
GLMI	Grayling	73.79	40	eP	P	09 53 29.4	+0.3
GLMI	comp-Z,126nm,1.0s			LR	LR		
GLMI	comp-Z,3um,20.0s			LR	LR		
GLMI	Grayling	73.79	40	eP	P	09 53 29.2	+0.1
K43A	Burlington	73.83	43	eP	P	09 53 29.6	+0.2
K43A	comp-Z,67nm,0.9s			LR	LR		
K43A	comp-Z,2um,20.0s			LR	LR		
K43A	Burlington	73.83	43	eP	P	09 53 28.6	-0.8
M41A	Milan	73.84	45	eP	P	09 53 29.0	-0.5
PALK	Pallekele	73.89	263	eP	P	09 53 30.3	+0.1
PALK	comp-Z,31nm,0.9s			LR	LR		
PALK	comp-Z,600nm,19.0s			P	P	09 53 30.2	+0.1
PALK	Pallekele	73.89	263	eP	P	09 53 30.3	+0.1
PALK	Pallekele	73.89	263	eP	pmx	pmx	
PALK	comp-Z,31nm,0.9s			MLR	MLR		
VLDQ	Val d'Or	73.94	33	eP	P	09 53 28.7	-1.1
AS01	Alice Springs	73.95	200	eP	P	09 53 31.0	+0.9
AS31	Alice Springs	73.96	200	eP	P	09 53 31.0	+0.8
ASAR	comp-Z,6um,0.6s			P	P	09 53 31.1	+0.9
ASAR	Alice Springs	73.96	200	eP	P	09 53 31.1	+0.9
ASAR	comp-Z,18nm,0.7s,baz=14,slov=5.5,SNR=319			LR	LR	10 23 42.0	
KWP	Kalwaria Pacla	74.03	330	eP	P	09 53 30.9	+0.4
KWP	Kalwaria Pacla	74.03	330	eP	P	09 53 31.4	+1.0
KWP	comp-Z,2um,1.3s			LR	LR		
KIS	Kishinev	74.04	325	eP	P	09 53 30.0	-0.5
KIS	comp-Z,200nm,1.5s			PP	PP		
KIS	Kishinev	74.04	325	ePP	PP	09 56 20.0	+4.5
KIS	Kishinev	74.04	325	ePP	PP	09 53 30.0	-0.5
KIS	KIS			eS	S	09 56 20.0	
KIS	KIS			ePPP	PPP	10 02 57.0	-2.4
KIS	KIS			ePS	PnS	10 03 32.0	-5.2
KIS	KIS			pmx	pmx		
L43A	Garden Prairie	74.05	44	eP	P	09 53 30.2	-0.4
KTUT	Trabzon	74.12	314	eP	P	09 53 29.8	-1.3
J45A	Montague	74.13	41	eP	P	09 53 31.4	+0.2
M42A	Sheffield	74.15	45	eP	P	09 53 30.7	-0.6
VANB	Van	74.17	311	eP	P	09 53 32.6	+1.0
INVG	invergoldie, C	74.17	348	eP	I Amb	09 53 30.6	-0.5
INVG	comp-Z,56nm,0.8s			P	P	09 53 31.6	
Q38A	Cooks Store, C	74.19	49	eP	P	09 53 31.1	-0.4
N41A	Harden Midland	74.21	46	eP	P	09 53 31.8	+0.1
N41A	comp-Z,121nm,0.9s			LR	LR		
N41A	comp-Z,2um,21.0s			LR	LR		
N41A	Harden Midland	74.21	46	eP	P	09 53 31.2	-0.4
L44A	Lake County Fo	74.44	43	eP	P	09 53 32.5	-0.5
EAB	Aberfoyle	74.44	348	eP	P	09 53 32.3	-0.4
ESY	Stoneypath	74.46	347	eP	P	09 53 32.4	-0.3
OJC	Ojcow	74.47	332	eP	P	09 53 32.4	-0.7
OJC	Ojcow	74.47	332	eP	P	09 53 33.1	+0.1
OJC	Ojcow	74.47	332	eP	P	09 53 33.1	+0.1
OJC	Ojcow	74.47	332	eP	pmx	pmx	
N42A	Yates City	74.51	45	eP	P	09 53 33.0	-0.3
J46A	Howard City	74.53	41	eP	P	09 53 33.6	+0.1
EDI	Edinburgh	74.54	347	eP	I Amb	09 53 32.6	-0.6
EDI	comp-Z,69nm,0.9s			I Amb	I Amb	09 53 35.0	
M43A	Waltham Townsh	74.54	44	eP	P	09 53 33.0	-0.5
O41A	Pasleys Farm,	74.65	46	eP	P	09 53 34.0	-0.2
WMOK	Wichita Moun	74.67	55	eP	P	09 53 34.9	+0.5
WMOK	comp-Z,32nm,0.8s			LR	LR		
WMOK	Wichita Moun	74.67	55	eP	pmx	pmx	
WMOK	Wichita Moun	74.67	55	eP	MLR	MLR	
WMOK	Wichita Moun	74.67	55	eP	P	09 53 34.2	-0.2
VRB	Varto-Mus	74.71	312	eP	P	09 53 42.1	+7.4
D53A	Lac Vacive, Po	74.71	34	eP	P	09 53 33.9	-0.6
N43A	Stutzman Famil	74.83	45	eP	P	09 53 35.0	-0.2
PGBU	Glenifferbraes	74.83	348	eP	I Amb	09 53 35.1	+0.1
PGBU	comp-Z,235nm,0.9s			I Amb	I Amb	09 53 36.0	
BUR08	Bucovina Ar. S	74.85	327	eP	P	09 53 35.1	-0.3
BUR04	Bucovina Ar. S	74.87	327	eP	P	09 53 35.0	-0.5
BURAR	Bucovina Array	74.87	327	eP	P	09 53 35.1	-0.4
P41A	Barry, Barry	74.91	47	eP	P	09 53 35.6	-0.1
J47A	Summer	74.98	41	eP	P	09 53 35.9	-0.1
O42A	Bath	74.98	46	eP	P	09 53 35.9	-0.1
KSP	Kstaz	74.99	334	eP	P	09 53 35.3	-0.7
K46A	Dorr	75.00	42	eP	P	09 53 36.0	-0.2
M44A	Midewin, Midew	75.00	44	eP	P	09 53 36.2	+0.1
M44A	comp-Z,45nm,0.9s			LR	LR		
M44A	Midewin, Midew	75.00	44	eP	P	09 53 35.8	-0.3
NIE	Niedzica	75.01	331	eP	P	09 53 36.5	+0.3
UZH	Uzhgorod	75.03	329	eP	P	09 53 36.0	-0.2
UZH	UZH			i	S	10 03 06.7	-3.7
UZH	UZH			i	S	10 03 35.0	
D54A	Lac Fusel, La	75.04	33	eP	P	09 53 35.7	-0.7

S38A	Stockton	75.06	50	eP	P	09 53 35.6	-1.0
HDIL	Hopedale	75.07	45	eP	P	09 53 36.6	0.0
HDIL	comp-Z,110nm,0.9s			LR	LR		
HDIL	Hopedale	75.07	45	eP	P	09 53 36.4	-0.2
EKA	Eskaalemir Ar	75.10	347	eP	LR	10 28 31.1	
BIZ	Biczak	75.12	326	eP	P	09 53 36.4	-0.4
ESK	Eskaalemir	75.13	347	eP	P	09 53 36.5	-0.2
ESK	Eskaalemir	75.13	347	eP	I Amb	09 53 36.4	-0.3
ESK	Eskaalemir	75.13	347	eP	I Amb	09 53 39.7	
ESK	Eskaalemir	75.13	347	eP	P	09 53 37.2	+0.5
KLBO	Kilbear Provi	75.17	37	eP	P	09 53 35.8	-1.3
BNGB	Bing'Nj	75.22	313	eP	P	09 53 37.8	+0.1
ERZN	Ezincan	75.23	314	eP	P	09 53 41.0	+3.3
O43A	Sugar Creek Fa	75.27	45	eP	P	09 53 38.1	+0.3
L46A	Eue Claire	75.30	42	eP	P	09 53 37.7	-0.2
E53A	Dumoine, Ponti	75.31	34	eP	P	09 53 37.3	-0.6
S39A	Bolivar	75.31	49	eP	P	09 53 37.4	-0.7
S39A	comp-Z,32nm,1.1s			LR	LR		
S39A	comp-Z,2um,20.0s			P	P	09 53 37.2	-0.9
T38A	Diamond	75.32	51	eP	P	09 53 37.7	-0.4
OKC	Ostrava-Krasne	75.33	333	eP	P	09 53 38.3	+0.4
OKC	OKC			eS	S	10 03 12.3	-0.7
OKC	Ostrava-Krasne	75.33	333	eP	P	09 53 38.3	+0.4
OKC	OKC			eS	S	10 03 12.9	-0.7
P42A	Winchester	75.33	46	eP	P	09 53 38.1	+0.1
P42A	comp-Z,156nm,1.5s			LR	LR		
P42A	Winchester	75.33	46	eP	P	09 53 37.8	-0.3
BHH	Howats Hill	75.34	347	eP	P	09 53 37.9	0.0
K47A	Vermontville	75.35	41	eP	P	09 53 38.0	-0.3
M45A	Boilermakers S	75.37	43	eP	P	09 53 38.3	-0.2
J48A	Bridge Port	75.38	40	eP	P	09 53 39.1	+1.0
TRPA	Trpa	75.38	329	eP	P	09 53 38.4	+0.2
TRPA	Trpa	75.38	329	eP	P	09 53 38.4	+0.2
Q41A	Truxton	75.38	47	eP	P	09 53 38.2	-0.3
TUL1	Leonard	75.39	52	eP	P	09 53 38.6	0.0
TUL1	comp-Z,3um,22.0s			LR	LR		
TUL1	Leonard	75.39	52	eP	P	09 53 38.6	0.0
EDMD	Edmundbyers	75.40	346	eP	I Amb	09 53 37.7	-0.5
EDMD	comp-Z,46nm,0.9s			I Amb	I Amb	09 53 38.9	
DPC	Dobruska-Polom	75.42	334	eP	P	09 53 39.1	+0.6
DPC	DPC			eS	S	10 03 12.2	-2.6
DPC	Dobruska-Polom	75.42	334	eP	P	09 53 39.1	+0.6
DPC	DPC			eS	S	10 03 12.2	-2.6
BUKO	Buck Lake	75.42	36	eP	P	09 53 38.1	-0.5
N44A	Piper City	75.43	44	eP	P	09 53 38.6	-0.1
BMR	Bala Mare	75.44	328	eP	P	09 53 38.8	+0.2
E54A	Lac Duplat, Po	75.45	34	eP	P	09 53 37.9	-0.8
CLL	Collim	75.50	336	eP	P	09 53 38.6	-0.2
CLL	comp-Z,121nm,1.1s			LR	LR		
CLL	Collim	75.50	336	eP	P	09 53 38.7	-0.2
CLL	Collim	75.50	336	eP	P	09 53 38.7	-0.2
CLL	comp-Z,98nm,0.9s			i P(2)		09 53 43.0	
CLL	comp-Z,82nm,1.0s			ePP	PP	09 56 30.0	+2.3
CLL	CLL			eS	S	10 03 09.0	-6.4
CLL	CLL			eSKSac	SS	10 03 45.0	+0.1
CLL	CLL			eSS	SS	10 08 06.0	+0.6
CLL	CLL			e		10 12 24.0	
CLL	CLL			eSSSS		10 13 18.0	
CLL	CLL			Lmax		10 30 00.0	
CLL	Collim	75.50	336	eP	P	09 53 38.7	-0.2
CLL	CLL			eS	S	10 03 09.0	-6.4
CLL	CLL			pmx	pmx		
TLCR	Moravsky Berou	75.54	324	eP	P	09 53 40.1	+0.9
MORC	MORC	75.56	333	eP	P	09 53 39.9	+0.6
MORC	comp-Z,96nm,1.1s			LR	LR		
MORC	Moravsky Berou	75.56	333	eP	P	09 53 39.9	+0.6
MORC	MORC	75.56	333	eP	pmx	pmx	
MORC	MORC	75.56	333	eP	MLR	MLR	
MORC	MORC	75.56	333	eP	P	09 53 39.6	+0.2
BRCO	Bruc Peninsul	75.59	38	eP	P	09 53 39.7	+0.2
SVAN	Silvan-Diyarba	75.61	312	eP	P	09 53 39.3	-0.5
K48A	Perry	75.63	40	eP	P	09 53 40.1	+0.3
ARCR	comp-Z,324,SNR=7.9			P	P	09 53 40.9	+1.2
BRG	Berggiesshubel	75.63	335	eP	P	09 53 39.5	-0.2
BRG	comp-Z,52nm,1.2s			eS	P	09 53 56.6	-1.9
BRG	comp-Z,24nm,0.9s			PP	PP	09	

14d 9h

Table with columns for call sign, name, frequency, power, and other details. Includes stations like MDUB Mudurnu, GLAT Glass, AFSR Af ar-Bala (A Pataskala), V44A Blytheville, BATHurst New B, BATG, T46A Princeton, YAYX Yalylak, SILT Silie, MDRV Moldovita, S47A Hartford, SWN1 Swindon, M54A Oil Creek Stat, M54A Oil Creek Stat, SAUV Serdivan-Sakar, X42A Stuttgart, RSBS Rosebush, Pemb, Y41A Eagleette Beard, SERE Serefikochisa, U45A Rockin P Farm, NCB Newcomb, W43A Forest City, WOL Wolverton, DOU Dourbes, Z40A Long Farm, Mag, HALT Halls, JMB Yambol, KLYT Klyos, WLF Walferdange, WLF Walferdange, WLF Walferdange, BEHE Becsehely, BEHE Becsehely, KOZT Kozan, GULT Gulveren, P51A Williamsport, P51A Williamsport, R49A Shelbyville, HRT Hereke, KLU Kulu, HMNX Herstromceux, O52A Adamsville, O52A Adamsville, STU Stuttgart, STU Stuttgart, STU Stuttgart, ISK Istanbul-Kandi, KAVV Kandilli-Istan, VTI Waterbury, BGKT Bogazkoy, FRGS Fruska Gora, S48A Wiedeman Farm, Q50A Georgetown, N54A Moraine State, N54A Moraine State, U46A Springville, T47A Sharon Grove, T47A Sharon Grove, CTKS Keastanelik-??a, DRLN Deer Lake, Z41A Richard Creek, Z41A Richard Creek, BUY Buyukada, X43A Marvell, X43A Marvell, MET Memphis-Engin, V45A Humboldt, CCAR Cane Creek, CCAR Cane Creek, Q51A Peebles, Q51A Peebles, MPEP Malo Peshtene, W44A Shelby Farms P, 140A Cam and Jess, 140A Cam and Jess, P52A Corning, Y42A Garnett, Star

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Table with columns for call sign, name, frequency, power, and other details. Includes stations like SOKA Soboth, ADVT Abdulvahap, PERS Pernice, 833A Chaparral WMA, 833A Chaparral WMA, SVRH Sivrihisar-ESK, YLV Yalova, S49A Springfield, NATX Nacogdoches, NATX Nacogdoches, T48A Bowling Green, R50A Koelnbreinsper, KBA Koelnbreinsper, CHBY Cihanbeyli, LBHN Lisbon, LBHN Lisbon, LBHN Lisbon, LBHN Lisbon, LBHN Lisbon, LBHN Lisbon, U47A Clarksville, ACCN Adirondack Com, ACCN Adirondack Com, W45A Hickory Valley, YURE YUREGIR, OBKA Obir, V46A Holladay, X44A Crenshaw, 240A Hunter Patters, 240A Hunter Patters, 240A Hunter Patters, Z42A Norrel Spur, BFO Bla Forest, BFO Bla Forest, BFO Bla Forest, BFO Bla Forest, BFO Bla Forest, KIZT Kizil, DIM Dimitrovgrad, Y43A Makayla and Ka, TAHT Tahtakopru-Hat, BINY Binghamton, BINY Binghamton, WATA Waldersalm, HTL Hartland, HTL Hartland, LHI Lord Howe Isla, LHI Lord Howe Isla, MDNY Mudanya-Bursa, R51A Hillsboro, P53A Whipple, P53A Whipple, MYKA Terra Mystica, WTTA Wattenberg, PGB Pangayuriste, Q52A Bidwell, RETA Reutte, T49A Edmonton, T49A Edmonton, U48A Miosal, S50A Richmond, V47A Nunnelly, KRTS Karatas, CRES Crensjev, PLD Plovdiv, DIVS Divibare, DIVS Divibare, DIVS Divibare, OXF Oxford, OXF Oxford, OXF Oxford, OXF Oxford, ABTA Abfaltersbach, LADK Ladik-KONYA, W46A Michie, Y44A Strider, Charl, LJU Ljubljana, LJU Ljubljana, ECH Echery, ECH Echery, X45A UM Field Stati, KDZ Kurdzhali, Z43A Armstrong Fami, MERS Mersin, VTS Vitoshka, VTS Vitoshka

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Table with columns for call sign, name, frequency, power, and other details. Includes stations like VTS Vitoshka, VTS Vitoshka, VTS Vitoshka, 241A Mo Tay, Golden, 241A Mo Tay, Golden, OZLJ Hockley, HKT Hockley, HKT Hockley, R52A Cattelburg, U49A Red Boiling Sp, T50A Nancy, KONT Konya-Tatoy, 142A Monroe, DAVA Damuels, FETA Feichten, TVSB Tavsanti, SSPA Standing Stone, SSPA Standing Stone, MCWV Mont Chateau, MCWV Mont Chateau, S51A Beattyville, S51A Beattyville, PLAL Pickwick Lake, PLAL Pickwick Lake, V48A Smith Brothers, V48A Smith Brothers, BOJS Bojanci, O56A Blue Knob Stat, O56A Blue Knob Stat, O56A Blue Knob Stat, O56A Blue Knob Stat, W47A Westpoint, JAVS Javornik, RZN Rozhen, CEY Cetina, KSPA Keystone Cole, HAPS Han Pijesak, BLY Banja Luka, BLY Banja Luka, BLY Banja Luka, X46A Booneville, LMN Caledonia Moun, LMN Caledonia Moun, BBLs Lazićj, 143A Soes Landing, 143A Soes Landing, GGN Saint George, GGN Saint George, MZR Muzera, MZR Muzera, Y45A Yeager Farm, RDO Rodhopi, S52A Salyersville, 242A Grayson, 341A Kurthwood, 341A Kurthwood, 341A Kurthwood, TRI Trieste, TRI Trieste, TRI Trieste, EMMW East Machias, KIZK Mersin, GEDZ Gediz, CCA1 Carmenellis, CCA1 Carmenellis, T51A Gra, DAVOX Davos/Dischmat, U50A Jamestown, R19A Rijeka, V49A McMinnville, W48A Pulaski, W48A Pulaski, FUORN Ofenpass-Fuorn, FUORN Ofenpass-Fuorn, Z45A Winona, Z45A Winona, Z45A Winona, X47A Russelville, SIMA Simav-Kutahya, Y46A Houston, BALB Balikesir, MMB Mimosiste, STKA Stupens Creek, STKA Stupens Creek, STKA Stupens Creek, PLE Pilejva, TAOE Nuku Hiva Isla, TAOE Nuku Hiva Isla, TAOE Nuku Hiva Isla, N59A State Game Lan

N59A	comp=Z,122nm,1.9s	80.66	36	P	P	09 54 07.3	-0.4
NVR	State Game Lan	80.72	325	P	P	09 54 07.2	-0.8
342A	baz=329	80.72	325	P	P	09 54 20.0	+12
342A	Flagon Creek P	80.72	325	P	P		
441A	comp=Z,3um,22.0s	80.74	54	P	P	09 54 09.3	+1.1
TS2A	DeRidder	80.77	43	P	P	09 54 07.9	-0.4
243A	baz=321	80.77	43	P	P	09 54 09.6	+1.3
TKT	Hallie	80.77	51	P	P	09 54 07.9	-0.4
IKL	Waterproof	80.77	52	P	P	09 54 07.9	-0.4
UDBI	baz=325,SNR=5.2	80.77	315	eP	P	09 54 07.9	-0.4
W49A	Udolina	80.79	332	P	P	09 54 07.3	-1.1
JRS	Beldiviera	80.84	46	P	P	09 54 08.7	0.0
IVA	Jersey	80.86	345	eP	P	09 54 08.5	0.0
PAGS	Gerane	80.87	328	eP	P	09 54 08.5	-0.3
PAGS	Pennsylvania G	80.87	37	eP	P	09 54 08.6	-0.2
JSA	comp=Z,2um,21.0s	80.88	345	eP	LR	09 54 08.7	+0.1
HRV	Saint Aubin	80.89	33	P	LR	09 54 20.0	+11
HRV	comp=Z,192nm,1.0s	80.89	33	P	LR	09 54 09.3	+0.4
HRV	Adam Dzewonsk	80.89	33	P	P	09 54 09.3	+0.4
U51A	baz=331	80.89	44	P	P	09 54 08.8	-0.2
TUE	La Follette	80.90	336	eP	P	09 54 09.4	+0.2
TUE	Stuetta	80.90	336	eP	P	09 54 09.4	+0.2
AKKU	comp=Z,5um,18.0s	80.90	315	eP	LR	09 54 08.5	-0.5
BERE	Akkuy-Mersin	80.90	316	eP	P	09 54 08.7	-0.5
ISP	Bereket-Mersin	80.92	318	eP	P	09 54 08.2	-1.0
ISP	Isarta	80.92	318	eP	P	09 54 08.7	-0.5
ISP	comp=Z,34nm,0.8s	80.92	318	eP	LR	09 54 08.8	-0.5
ISP	Isarta	80.92	318	eP	LR	09 54 08.8	-0.5
ISP	Isarta	80.92	318	eP	LR	09 54 08.7	-0.5
UPM	comp=Z,11um,18.0s	80.92	329	eP	MLR	09 54 08.1	-1.2
UPM	Unac-Piva	80.92	329	eP	P	09 54 08.4	-0.9
SWET	Unac-Piva	80.92	46	eP	P	09 54 08.7	-0.5
SWET	Sevance	80.92	46	eP	P	09 54 08.7	-0.5
V50A	comp=Z,2um,21.0s	80.95	45	P	LR	09 54 09.1	-0.2
TZTN	Pikeville	80.97	44	eP	P	09 54 09.4	0.0
TZTN	Tazewell	80.97	44	eP	P	09 54 09.4	0.0
TZTN	comp=Z,28nm,1.1s	80.97	44	eP	LR	09 54 09.4	0.0
ODNJ	comp=Z,1um,21.0s	80.98	35	P	LR	09 54 20.0	+11
ODNJ	Ogdensburg	80.98	35	P	LR	09 54 20.0	+11
SUTC	comp=Z,2um,20.0s	80.99	318	eP	LR	09 54 09.4	-0.3
X48A	Sutcliffe-Isart	81.00	47	eP	P	09 54 09.1	-0.4
X48A	Hartselle	81.00	47	eP	P	09 54 09.1	-0.4
VBMS	comp=Z,2um,20.0s	81.01	51	eP	LR	09 54 09.2	-0.3
VBMS	Vicksburg	81.01	51	eP	LR	09 54 10.4	+0.7
VBMS	comp=Z,92nm,1.0s	81.01	51	eP	LR	09 54 10.2	+0.5
145A	Houston Renfro	81.01	50	P	P	09 54 09.7	0.0
KOME	Kolasin	81.02	328	eP	P	09 54 08.8	-0.9
SARS	Serral	81.02	328	eP	P	09 54 09.4	-0.2
Y47A	UCPARC, Winfie	81.04	48	eP	P	09 54 09.6	-0.2
NVLJ	HICV	81.04	332	P	P	09 54 08.1	-1.5
Z46A	Louisville	81.05	49	eP	P	09 54 10.4	+0.5
PMOR	Pomario Rio	81.06	124	eP	P	09 54 11.0	+1.1
PMOR	Pomario Rio	81.06	124	eT	T	11 23 15.2	
STIP	comp=Z,52nm,0.2s	81.06	326	eP	P	09 54 08.2	-1.6
STIP	Ship	81.06	326	eP	P	09 54 08.5	-1.3
244A	Avery, Jackson	81.06	51	P	P	09 54 10.0	+0.1
WES	Weston	81.08	33	eP	P	09 54 10.5	+0.7
WES	Weston	81.08	33	eP	P	09 54 10.5	+0.7
PVY	comp=Z,43nm,1.0s	81.08	328	eP	LR	09 54 09.3	-0.8
LUPA	Plav	81.09	36	P	LR	09 54 20.0	+10
LUPA	Lehigh Unvers	81.09	36	P	LR	09 54 20.0	+10
SKO	comp=Z,200nm,21.0s	81.09	327	eP	P	09 54 09.9	-0.1
SKO	Skopje	81.09	327	eP	P	09 54 09.9	-0.1
EREN	Ertenkov	81.12	315	eP	P	09 54 10.5	+0.3
TEKE	Tekey-Mersin	81.12	316	eP	P	09 54 09.5	-0.8
KULA	Kula-Manisa	81.16	320	eP	P	09 54 10.3	-0.2
U52A	Thorn Hill	81.18	44	P	P	09 54 10.7	+0.1
V51A	baz=325,SNR=10	81.20	45	eP	P	09 54 11.2	+0.5
V51A	Loudon	81.20	45	eP	LR	09 54 11.2	+0.5
V51A	comp=Z,3um,20.0s	81.20	45	eP	LR	09 54 10.3	-0.4
MVJ	Millersville	81.21	37	eP	P	09 54 10.9	+0.3
MANT	Manisa	81.22	320	eP	P	09 54 10.6	-0.4
MANT	comp=Z,289nm,1.0s	81.23	46	eP	LR	09 54 10.7	-0.1
W50A	Signal Mountai	81.23	46	eP	LR	09 54 10.7	-0.1
W50A	comp=Z,2um,21.0s	81.23	46	eP	LR	09 54 10.7	-0.1
W50A	Signal Mountai	81.23	46	eP	P	09 54 10.7	-0.1
VAY	Valandovo	81.23	326	eP	P	09 54 10.6	-0.1
VAY	Valandovo	81.23	326	eP	P	09 54 10.4	-0.3
KNT	Kendrikon	81.25	325	eP	P	09 54 10.4	-0.4
NKME	Niksic	81.29	329	eP	P	09 54 09.8	-1.2
X49A	Woodville	81.30	47	P	P	09 54 10.9	-0.3
PAL	baz=324,SNR=22	81.31	35	P	LR	09 54 20.0	+8.9
PAL	Palisades	81.31	35	P	LR	09 54 20.0	+8.9
PAL	comp=Z,2um,20.0s	81.31	35	P	LR	09 54 10.6	-0.5
BRY	Palisades	81.31	35	P	P	09 54 10.6	-0.5
BRJ	Batogost	81.31	329	eP	P	09 54 09.9	-1.4
BRJ	Batogost	81.31	329	eP	P	09 54 09.9	-1.4
BRNJ	Basking Ridge	81.34	36	P	LR	09 54 20.0	+8.8
BRNJ	Basking Ridge	81.34	36	P	LR	09 54 20.0	+8.8
Y48A	comp=Z,2um,22.0s	81.36	48	P	P	09 54 11.1	-0.4
Y48A	Jasper	81.36	48	P	P	09 54 11.1	-0.4
VAH	baz=324,SNR=14	81.39	124	eP	P	09 54 12.8	+1.1
VAH	Vaihoo	81.39	124	eP	P	09 54 12.8	+1.1
CPCT	comp=Z,78nm,1.0s	81.41	45	eP	P	09 54 26.8	+1.4
CPCT	Cooper Cave	81.41	45	eP	P	09 54 11.3	+0.1
CPCT	comp=Z,43nm,1.0s	81.41	45	eP	LR	09 54 11.3	+0.1
YLE	comp=Z,2um,21.0s	81.41	34	P	LR	09 54 20.0	+8.4
YLE	Yale	81.41	34	P	LR	09 54 20.0	+8.4
GAZI	comp=Z,2um,21.0s	81.41	316	eP	LR	09 54 10.4	-1.4
ZAIG	Gaszipasi	81.42	66	eP	P	09 54 12.6	+0.2
ZAIG	Zacatecas	81.42	66	eP	P	09 54 12.6	+0.2
ZAIG	comp=Z,24nm,1.0s	81.43	50	eP	LR	09 54 12.8	+0.9
ZAIG	Zacatecas	81.43	50	eP	LR	09 54 12.8	+0.9

146A	comp=Z,207nm,1.0s	81.43	50	P	LR	09 54 11.7	-0.2
146A	Union	81.43	50	P	LR	09 54 11.7	-0.2
LIA	Little AP, Sta	81.44	323	P	P	09 54 10.9	-0.9
PDG	Limnos Island	81.48	328	eP	P	09 54 11.2	-0.7
PDG	Podgorica	81.48	328	eP	P	09 54 11.1	-0.9
TTG	Podgorica	81.48	328	eP	P	09 54 11.3	-0.7
TTG	Podgorica	81.48	328	eP	P	09 54 11.1	-0.9
TTG	comp=Z,137nm,1.1s	81.48	328	eP	LR	09 54 11.1	-0.9
TTG	comp=Z,5um,22.0s	81.48	328	eP	LR	09 54 11.1	-0.9
TTG	Podgorica	81.48	328	eP	LR	09 54 11.1	-0.9
TTG	comp=Z,137nm,1.1s	81.48	328	eP	LR	09 54 11.1	-0.9
TTG	comp=Z,5um,22.0s	81.48	328	eP	LR	09 54 11.1	-0.9
245A	Little AP, Sta	81.49	49	P	P	09 54 12.3	+0.2
247A	baz=323,SNR=20	81.49	49	P	P	09 54 12.3	+0.1
CEME	Carrollton	81.49	49	P	P	09 54 12.3	+0.1
344A	Cevo	81.49	329	eP	P	09 54 11.1	-1.1
344A	Westbrook Farm	81.50	52	eP	P	09 54 13.4	+1.1
344A	comp=Z,59nm,1.0s	81.50	52	eP	LR	09 54 13.4	+1.1
344A	Westbrook Farm	81.50	52	eP	LR	09 54 13.4	+1.1
GBN	comp=Z,3um,19.0s	81.51	25	P	LR	09 54 20.0	+7.9
GBN	Guysborough	81.51	25	P	LR	09 54 20.0	+7.9
SDMD	comp=Z,2um,20.0s	81.51	38	P	LR	09 54 20.0	+7.8
SDMD	Soldier's Deli	81.51	38	P	LR	09 54 20.0	+7.8
V52A	comp=Z,1um,21.0s	81.52	44	eP	P	09 54 12.4	0.0
V52A	Sevierville	81.52	44	eP	P	09 54 12.4	0.0
V52A	comp=Z,48nm,1.1s	81.52	44	eP	LR	09 54 12.6	+0.2
V52A	Sevierville	81.52	44	eP	P	09 54 12.6	+0.2
W51A	baz=325,SNR=8.0	81.53	45	P	P	09 54 12.3	-0.1
W51A	Cleveland	81.53	45	P	P	09 54 12.3	-0.1
SENIN	Lac Senin/Sane	81.53	338	eP	P	09 54 12.5	0.0
SENIN	comp=Z,53nm,0.8s	81.53	338	eP	LR	09 54 12.5	0.0
TREB	comp=Z,3um,22.0s	81.54	329	eP	LR	09 54 10.5	-1.8
U53A	Trebjine	81.57	43	P	P	09 54 12.4	-0.2
TKL	Fall Branch	81.59	44	eP	P	09 54 12.6	-0.1
TKL	Tuckaleechee C	81.59	44	eP	LR	09 54 12.6	-0.1
TKL	comp=Z,53nm,1.1s	81.59	44	eP	LR	09 54 12.6	-0.1
TKL	Tuckaleechee C	81.59	44	eP	LR	09 54 12.6	-0.1
TKL	comp=Z,53nm,1.1s	81.59	44	eP	LR	09 54 12.6	-0.1
Z48A	Northport	81.60	48	P	P	09 54 12.5	-0.3
HAL	Halifax	81.61	26	P	LR	09 54 20.0	+7.4
HAL	Halifax	81.61	26	P	LR	09 54 20.0	+7.4
STON	comp=Z,2um,19.0s	81.63	329	eP	P	09 54 10.9	-1.9
STON	Ston	81.63	329	eP	P	09 54 10.8	-1.9
PSUB	Penn St. - Bra	81.63	37	eP	P	09 54 12.3	-0.6
PSUB	comp=Z,24nm,1.1s	81.63	37	eP	LR	09 54 12.3	-0.6
X50B	Fort Payne	81.67	46	P	P	09 54 13.0	-0.2
KORT	comp=Z,3um,21.0s	81.68	318	eP	P	09 54 13.0	-0.2
LNIG	baz=324,SNR=6.0	81.68	318	eP	P	09 54 12.3	-1.0
LNIG	Korkueli	81.68	318	eP	P	09 54 12.3	-1.0
LNIG	Linares	81.68	318	eP	P	09 54 12.6	-0.7
LNIG	comp=Z,47nm,1.5s	81.68	318	eP	LR	09 54 12.6	-0.7
LNIG	LNIG	81.68	318	eP	LR	09 54 12.6	-0.7
KRUS	comp=Z,800nm,20.0s	81.69	326	eP	P	09 54 12.7	-0.5
KRUS	Krusevo	81.69	326	eP	P	09 54 12.7	-0.5
PHP	comp=Z,2um,21.0s	81.71	327	eP	P	09 54 12.7	-0.5
PLG	Peshkopia	81.71	327	eP	P	09 54 12.7	-0.5
DRME	Polygyros	81.72	324	eP	P	09 54 12.4	-0.9
DRME	Dracevica, Mon	81.72	328	eP	P	09 54 12.6	-0.7
DRME	Dracevica, Mon	81.72	328	eP	P	09 54 12.3	-1.0
BUIM	Brajci-Budva	81.72	328	eP	P	09 54 12.7	-0.7
HCV	Herceg Novi	81.73	329	eP			

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like EI Rosal, Mbarara, Otavalo, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like PLCA Cochrane, SPB Sao Paulo, Cerro Castillo, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like ZALV Zalesovo Beam, MKAR Makanchi Array, FINES FINES Array B, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other parameters. Includes stations like YUK2 White River, BVCC Beaver Creek, YUK3 Moose Creek, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other parameters. Includes stations like TCUT Toone Canyon, DUG Dugway, R11A Troy Canyon, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other parameters. Includes stations like ZALV Zalesovo Beam, ZALV 1.0u,0.4s,baz=53, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations like KSM, YBH, KSR5, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like DDFL, ZKTA, DGRG, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like TBLG, KRNR, KRNR, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like KBZ, SHA1, KVAR, etc.

NSSP 14 10:13:34.9, 41.72N-46.28E, h10km, Ms5.3
IDC 14 10:13:35.0, 41.72N-46.35E, h10km, mb4.8/4.7
mb1.4, 8.6/6, mb1mx4.8/4.7, Error ellipse: s-maj=7.56, ms1.5/2.22, ms1.5/2.22, ms1mx4.8/4.7, Error ellipse: s-maj=6.9km

s-min=5.9km az=4.0
 AZER 14 10:13:36.2.0.1,41.66N:46.27E,h8km,m5.8/31,Error ellipse: s-maj=1.6km s-min=0.7km az=326.0
 MOS 14 10:13:36.7.0.0,41.73N:46.31E,h7km,MPVA5.6
 BUI 14 10:13:36.8.41.90N:46.40E,h10km,mb5.3/70,mb5.5/43,Ms5.6/70,Ms7.5/463
 TIF 14 10:13:37.5.41.66N:46.31E,h14km,1km
 NORS 14 10:13:37.3.0.0,41.75N:46.35E,h4km,MPVA5.6
 MOS 14 10:13:37.1.4.41.72N:46.39E,h10km,mb5.3/75,Ms5.1/36,Error ellipse: s-maj=3.9km s-min=3.1km az=120.3
 MOS Felt (III-IV) at Makhachkala. (II) at Tarumovka.
 NEIC 14 10:13:38.6.0.1,41.83N:46.41E,h10km,mb5.3/73,Ms5.4/111,ML5.4(TIF),ML5.6(AZER),Error ellipse: s-maj=3.2km s-min=2.2km az=178.0
 NEIC Felt (V) at Tbilisi, Georgia. Also felt at Lagodekhi, Rust'avi, Tibaani and Zemo Khandaki. Felt at Yerevan, Armenia.
 GII 14 10:13:39.7.0.0,41.88N:46.44E,h30km,4km
 GCMT 14 10:13:39.6.0.2,41.63N:0.01:46.31E:0.02,h12km, MW5.6/94,Moment Tensor Solution. s61,c95; s94,c158; Duration: 155 Moment tensor: Scale 10¹⁷Nm; Mn:0.71±0.02; Mw:0.64±0.02; Ms:0.06±0.02; Mw2:66±0.06; Mw0.33±0.02; Mw1:0.45±0.06; Best double couple: Mw2:0.00000±0.17; Mw1:0.00000±0.33;0.00±0.00; 1.86,0.00000; NP2a:0.10,0.00000; s9,0.00000; 1.12,0.00000; Principal axes: T: 2.740,Pig52.0000; Azm5.0000; N: 0.0320,Pig4.0000; Azm194.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.
 Triangular moment-rate function
 ISC/B 14 10:13:39.5.0.2,41.75N:0.01:46.37E:0.01,h2km,1km,mb5.1/283,MS5.3/149 Error ellipse: s-maj=1.8km s-min=1.4km az=9.2
 DRS 14 10:13:39.2.0.0,41.77N:46.17E,h16km
 NNC 14 10:13:40.6.5.2,42.03N:46.72E,h6km,mb5.7,Error ellipse: s-maj=83.8km s-min=39.7km az=8.0
 ISC 14 10:13:40.3.0.4,41.72N:0.01:46.31E:0.01,h2km,2km,h2km;p-P,1187,s2904/1257,mb5.2/289,MS5.4/164,104C-73D,Eastern Caucasus

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
ZKTA	Zakatala	0.24	110	Op	10 13 44.0	-2.5
ZKTA	Zakatala	0.24	110	↑P	10 14 05.1	-1.6
ZKTA	Zakatala	0.24	110	↑S	10 13 48.7	-2.0
ZKMT	Zaqatala	0.27	104	P	10 13 44.1	-2.8
ZKT	Zakatala			S	10 13 46.8	-2.7
DDFL	Dedoplistskaro	0.31	208	P	10 13 46.6	-0.8
DDFL	Dedoplistskaro			S	10 13 47.9	-4.5
KMKR	Kumukh	0.71	55	↑PG	10 13 43.5	-0.4
KMKR	Kumukh			S	10 14 03.5	-0.2
KMKR	Kumukh			P	10 13 52.5	-1.7
KMKR	Kumukh			S	10 14 03.5	-0.2
DGRG	David-gareji	0.76	249	P	10 13 53.2	-1.6
DGRG	David-gareji			S	10 14 03.2	-0.4
DGRG	David-gareji	0.76	249	P	10 13 53.4	-1.4
DGRG	David-gareji			S	10 13 53.3	-1.6
DGRG	David-gareji			S	10 14 04.3	-0.4
DGRG	David-gareji	0.76	249	P	10 13 53.2	-1.6
DGRG	David-gareji			S	10 14 04.3	-0.4
DGRG	David-gareji			S	10 14 04.2	-1.2
GNBR	Gunib	0.82	36	↑PG	10 14 07.0	+0.3
GNBR	Gunib			S	10 14 07.0	+0.3
GNBR	Gunib	0.82	36	↑PG	10 13 54.3	-1.7
GNBR	Gunib			S	10 14 05.1	-1.6
SEKA	Sheki	0.84	127	P	10 13 55.0	-1.2
SEKA	Sheki			S	10 14 08.1	-0.2
SEKA	Sheki	0.84	127	PG	10 13 55.0	-1.2
SEKA	Sheki			S	10 14 08.1	-0.2
SEKA	Sheki	0.84	127	↑P	10 13 54.5	-1.7
SEKA	Sheki			S	10 14 08.1	-0.2
XNZR	Khunzakh	0.87	19	↑PG	10 13 55.4	-1.4
XNZR	Khunzakh			S	10 14 08.2	0.0
XNZR	Khunzakh	0.87	19	↑PG	10 13 55.5	-1.4
XNZR	Khunzakh			S	10 14 08.2	0.0
BTLR	Botlikh	0.94	356	↑PG	10 13 56.1	-2.0
BTLR	Botlikh			S	10 14 09.7	-0.5
BTLR	Botlikh	0.94	356	↑PG	10 13 55.9	-2.2
BTLR	Botlikh			S	10 14 09.6	-0.6
QZX	Qazax, Azerbai	0.97	227	↑P	10 13 55.7	-2.8
QZX	Qazax			↑S	10 14 11.7	+0.3
ARAK	Arakani	1.02	30	↑PG	10 13 57.1	+1.3
ARAK	Arakani			S	10 14 13.3	+0.6
ARAK	Arakani	1.02	30	↑PG	10 13 57.8	-1.3
ARAK	Arakani			S	10 14 13.3	+0.6
UNCUR	Uncukul	1.05	20	↑PG	10 13 58.0	-1.6
UNCUR	Uncukul			S	10 14 15.0	+1.4
UNCUR	Uncukul	1.05	20	↑PG	10 14 00.2	-1.6
UNCUR	Uncukul			S	10 14 15.0	+1.4
GANJ	Ganja	1.07	180	↑PG	10 13 57.3	-2.6
GANJ	Ganja			S	10 14 13.1	-0.7
URKR	Urkarakh	1.08	65	↑PG	10 13 59.9	-0.1
URKR	Urkarakh			S	10 14 16.2	+1.9
URKR	Urkarakh	1.08	65	↑PG	10 13 59.9	-0.1
URKR	Urkarakh			S	10 14 16.2	+1.9
GDB	GEDABAY	1.08	203	↑P	10 13 57.1	-3.1
GDB	GEDABAY			S	10 14 13.2	-1.0
AKT	Akhty	1.09	102	↑PG	10 13 59.2	-1.0
AKT	Akhty			S	10 14 16.2	
AKT	Akhty			pmax		
AKT	Akhty			smax		
AKT	Akhty	1.09	102	↑PG	10 13 58.7	-1.4
AKT	Akhty			S	10 14 15.3	+0.7
MNGR	Mingechevir, A	1.11	148	↑PG	10 13 59.6	-0.7
MNGR	Mingechevir, A			S	10 13 59.4	-0.9
MNGR	Mingechevir, A	1.11	148	↑P	10 14 17.0	+2.1
MNGR	Mingechevir, A			S	10 13 58.9	-1.8
SEAG	Selavki	1.18	271	P	10 14 06.1	+0.6
TBLG	Delisi	1.18	271	P	10 13 59.1	-2.2
TBLG	Delisi			S	10 14 00.2	-1.1
TBLG	Delisi	1.18	271	P	10 14 17.3	+0.4
TBLG	Delisi			S	10 13 59.4	-2.0
TBLG	Delisi	1.18	271	↑PG	10 14 18.8	+1.9
TBLG	Delisi			S	10 14 00.2	-1.1
TBLG	Delisi	1.18	271	↑PG	10 14 17.3	+0.4
TBLG	Delisi			S	10 14 00.2	-1.1
TBLG	Delisi	1.18	271	↑PG	10 14 17.3	+0.4
TBLG	Delisi			S	10 14 17.3	+0.4
KRNR	Karanay	1.19	21	↑PG	10 14 00.0	-1.6
KRNR	Karanay			S	10 14 18.0	+0.7
KRNR	Karanay	1.19	21	↑PG	10 14 00.0	-1.6
KRNR	Karanay			S	10 14 18.0	+0.7
DVE	Vedeno	1.24	354	↑PG	10 14 10.1	-0.5
DVE	Vedeno			S	10 14 20.1	+1.3
DVE	Vedeno	1.24	354	↑PG	10 14 01.4	-0.9
DVE	Vedeno			S	10 14 19.8	+1.0
BUJR	Buynaksk	1.25	28	↑PG	10 14 02.0	-0.3
BUJR	Buynaksk			S	10 14 21.0	+2.1
BUJR	Buynaksk	1.25	28	↑PG	10 14 02.0	-0.3
BUJR	Buynaksk			S	10 14 21.0	+2.1
BUJR	Buynaksk	1.25	28	↑PG	10 14 01.8	-0.7
BUJR	Buynaksk			S	10 14 05.5	+0.3
DUS	Dushti	1.26	288	P	10 14 01.8	-0.7
KSMR	Kasumkent	1.36	94	PG	10 14 05.5	+0.3
KSMR	Kasumkent			S	10 14 26.0	+3.8
KSMR	Kasumkent	1.36	94	↑PG	10 14 05.5	+0.3
KSMR	Kasumkent			S	10 14 26.0	+3.8
DLMR	Dylm	1.37	10	↑PG	10 14 03.8	-0.1
DLMR	Dylm			S	10 14 03.8	-0.1
GABA	Gabalata	1.38	124	↑PG	10 14 04.0	-0.2
GABA	Gabalata			S	10 14 04.0	-0.2
QBL	Qazax			↑Sn	10 14 25.0	+2.3
KZRT	Kazreti	1.48	258	P	10 14 03.9	-1.5
KZRT	Kazreti			S	10 14 24.0	0.0
QASR	Qusar	1.48	97	↑Pn	10 14 06.7	-0.3
QASR	Qusar			S	10 14 06.7	-0.3
QASR	Qusar			↑Sn	10 14 30.4	+5.0
XNQ	Khinaliq	1.48	111	↑Pn	10 14 06.0	+0.4
XNQ	Khinaliq			S	10 14 06.0	+0.4
XNQ	Khinaliq			↑Sn	10 14 28.3	+2.6

MAK	Makhachkala	1.52	35 <th>↑PG</th> <th>Pb</th> <th>10 14 08.3</th> <th>+0.5</th>	↑PG	Pb	10 14 08.3	+0.5
MAK	Makhachkala			e		10 14 33.2	
MAK	Makhachkala			smax			
GROC	Groznyy	1.53	346	↑PG	Pb	10 14 07.7	-0.3
GROC	Groznyy			eS	Sb	10 14 30.2	+3.3
GROC	Groznyy			pmax	pmax		
GROC	Groznyy			smax	smax		
GROC	Groznyy	1.53	346	↑PG	Pb	10 14 07.6	-0.4
GROC	Groznyy			eS	Sb	10 14 29.0	+2.1
DRN	Derbent	1.54	78	↑PG	Pb	10 14 08.4	+0.3
DRN	Derbent			eS	Sb	10 14 29.7	+2.6
DRN	Derbent			pmax	pmax		
DRN	Derbent	1.54	78	↑PG	Pb	10 14 08.2	+0.1
DRN	Derbent			eS	Sb	10 14 29.7	+2.6
GUDG	Gudauri	1.56	299	P	Pb	10 14 08.8	+0.2
GUDG	Gudauri			S	Sb	10 14 29.2	+1.3
BRDA	Brd	1.60	156	↑Pn	Pb	10 14 07.5	+0.5
BRDA	Brd			SNR=585	Sb		
BRDA	Brd			↑Sn	Sb	10 14 32.5	+3.7
VADZ	Vardenis	1.61	196	↑P	Pb	10 14 06.5	-0.9
VADZ	Vardenis			↑S	Sb	10 14 28.8	-0.5
STEZ	Stepenav	1.61	244	↑P	Pb	10 14 32.2	+2.6
STEZ	Stepenav			↑S	Sb	10 14 27.0	-0.5
TRLG	Trialeti	1.67	264	↑P	Pb	10 14 06.9	-1.3
TRLG	Trialeti			↑S	Sb	10 14 29.2	+0.2
QUBA	Quba, Azerbai	1.68	102	↑Pn	Pb	10 14 10.6	+0.1
QUBA	Quba			SNR=183	Sb		
IML	Ismayili	1.69	123	↑Pn	Pb	10 14 06.4	+5.2
IML	Ismayili			SNR=372	Sb		
IML	Ismayili			↑Sn	Sb	10 14 33.9	+2.4
KMGR	Komgaron	1.71	322	↑Pn	Pb	10 14 12.6	+1.7
KMGR	Komgaron			SNR=159	Sb		
KMGR	Komgaron	1.71	322	↑PG	Pb	10 14 11.6	+0.5
ZRD	Zardab	1.77	144	↑Pn	Pb	10 14 09.6	+0.2
ZRD	Zardab			SNR=159	Sb		
ZRD	Zardab			↑Sn	Sb	10 14 37.5	+3.6
VLKR	Vladikavkaz	1.80	318	↑Pn	Pb	10 14 12.6	+0.1
VLKR	Vladikavkaz			eS	Sb	10 14 39.3	+4.7
VLKR	Vladikavkaz	1.80	318	↑PG	Pb	10 14 12.2	-0.4
VLKR	Vladikavkaz			eS	Sb	10 14 37.9	+3.3
LACR	Lac	1.86	307	↑Pn	Pb	10 14 12.4	-1.3
LACR	Lac			eS	Sb	10 14 39.2	+2.6
LACR	Lac	1.86	307	↑PG	Pb	10 14 11.6	+0.8
LACR	Lac			eS	Sb	10 14 36.0	-0.5
KURD	Kurdemir	1.95	133	↑Pn	Pb	10 14 13.7	-1.4
KURD	Kurdemir			SNR=164	Sb		
KDMR	Kirdk	1.95	118	↑Pn	Pb	10 14 41.1	+2.2
KDMR	Kirdk			SNR=735	Sb		
POL	Pirkuli	1.97	218	↑Pn	Pb	10 14 41.0	+0.9
POL	Pirkuli			SNR=234	Sb		
GNI	Garni	1.97	218	↑Pn	Pb	10 14 13.0	+0.7
GNI	Garni			comp=Z,2μm,0.3s,baz=266,slow=2.3,SNR=234	Lg	10 14 41.4	
GNI	Garni			comp=Z,3μm,0.3s,baz=197,slow=1.8,SNR=5.8	LR	10 14 56.8	
GNI	Garni			comp=Z,2.1μm,18.2s,baz=114,slow=41	Pn	10 14 12.7	+0.4
GNI	Garni			SNR=197	Pn	10 14 12.7	+0.4
GNI	Garni			↑Pn	Pb	10 14 12.4	0.0
GNI	Garni			↑S	Sb	10 14 38.8	-1.0
GNI	Garni			↑Pn	Pb	10 14 13.3	+1.1
GNI	Garni			eS	Sb	10 14 43.8	+4.0
GNI	Garni			SNR=2484	Sb	10 14 12.7	+0.4
GNI	Garni			SNR=5130	Pn	10 14 13.4	+1.1
GNI	Garni			SNR=197	Pn	10 14 12.5	+0.2
SIZA	Siyazn	2.05	107	↑Pn	Pb	10 14 16.3	-0.6
SIZA	Siyazn			SNR=935	Sb		

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Groznyy, Martakert, Stepenevan, Vardenis, Derbent, etc.

AZER 14 10:19:34.0.0.0.3871N-48.59E, h11km, m13.2/5, 6C-3D, Error ellipse: s-major=0.5km s-min=0.3km az=33.0, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Lenkeran, Lerik, Astar, Ciliabad, Äli-Bayra, etc.

TEH 14 10:19:51.6, 36.611N-54.92E, h10km, ML3.9, Northern and central Iran

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Kiasar, Delisi, Karanay, Veden, Dilym, Kazreti, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Varamin, IRAN, IRAZ, ITEG, etc.

MEX 14 10:21:06.1±1.7, 17.98N-102.64W, h20km, MD3.8, Near coast of Michoacan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Aquila, Zihuatanejo, Rarotonga, etc.

IDC 14 10:25:21.0.24.0, 4.47S-142.29E, h0km, mb3.4/2, m1 3.6/3, mb1mx3.3/37, mbtmp5.4/3, ML3.0/1, MS4.1/1, Ms1.4/1.1, m1mx3.2/23, Error ellipse: s-major=409.2km s-min=113.1km az=164.0, New Guinea

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

TIF 14 10:25:26.8, 41.85N-46.37E, h11km, 1km NSSP 14 10:25:27.0, 41.68N-46.22E, h10km, Ms3.6, MOS 14 10:25:27.8, 0.0, 41.73N-46.36E, h14km, MPVA4.1, DRS 14 10:25:28.4, 0.0, 41.78N-46.26E, h12km, MOS 14 10:25:28.8, 1.1, 41.78N-46.36E, h11km, mb4.3/1, Error ellipse: s-major=7.6km s-min=5.3km az=93.7

ISC 14 10:25:29.2, 0.0, 41.71N-0.02, 46.32E, 0.02, h12km, 8km, n66, c121/121, 8C-6D, Eastern Caucasus

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Zakatala, Dedoflistskaro, Kumukh, GUNBR, Botlikh, Arakani, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Vardenis, Stepenevan, Trialeti, Komgongan, Vladikavkaz, etc.

DRS 14 10:27:06.7±0.0, 41.62N-46.20E, h9km NSSP 14 10:27:09.4, 41.63N-46.30E, h10km, Ms3.2, MOS 14 10:27:10.3, 1.0, 41.73N-46.34E, h17km, MPVA3.9, MOS 14 10:27:12.2, 1.5, 41.74N-46.34E, h10km, mb4.1/1, Error ellipse: s-major=11.4km s-min=6.9km az=62.5

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Bogdanovka, Ardon, Ardn, Batakoyurt, Akhalkalaki, Kora, etc.

TIF 14 10:27:12.9, 41.71N-46.21E, h17km, 2km ISC 14 10:27:13.1, 1.1, 41.71N-0.02, 46.29E, 0.02, h14km, 9km, n46, c092/86, 8C-1D, Eastern Caucasus

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Dedoflistskaro, David-gareji, Kumukh, GUNBR, Botlikh, Arakani, etc.

OPAM	IAML	10 42 59.5	341A	comp=Z,147nm,1.0s Kurtwood baz=177,SNR=18	16.62 358 P	P	10 45 12.4 -0.6	658A	Bunnell comp=Z,767nm,1.4s	18.01 33 eP	Pn	10 45 29.8 +1.0	
UTEC	San Salvador	3.35 106 eP	Pn	342A	Flagon Creek P comp=Z,307nm,1.1s	16.65 1 ePn	P	10 45 12.8 -0.5	658A	Bunnell baz=217,SNR=39	18.01 33 P	P	10 45 28.3 0.0
UDBS	Soyapango	3.38 105 eS	Sn	342A	Flagon Creek P baz=180,SNR=22	16.65 1 P	P	10 45 13.1 -0.3	145A	Renfro baz=187,SNR=39	18.03 7 P	Pn	10 45 29.6 +0.6
SOYA	Soyapango	3.39 106 eP	Pn	435B	Jarrell comp=Z,83nm,0.8s	16.72 345 ePn	P	10 45 14.2 0.0	352A	Blakely comp=Z,666nm,1.1s	18.14 21 eP	Pn	10 45 30.6 +0.3
SOYA	comp=Z,12um,0.6s			435B	Jarrell	16.72 345 P	P	10 45 14.4 +0.3	352A	Blakely baz=186,SNR=41	18.14 21 P	Pn	10 45 30.7 +0.4
LFU	La Fuente	3.42 105 eP	Pn	345A	Thompson Farm baz=186,SNR=32	16.74 7 P	P	10 45 14.2 -0.1	250A	Grady baz=199,SNR=17.2	18.17 17 eP	Pn	10 45 30.5 -0.2
LLGN	La Laguna	3.48 97 eP	Pn	060A	Indianw comp=Z,2um,1.0s	16.74 41 ePn	Pn	10 45 13.2 -0.1	250A	Grady comp=Z,655nm,1.1s	18.17 17 P	Pn	10 45 30.9 +0.1
LFRS	Las Brisas	3.49 105 eP	Pn	060A	Indianw baz=224,SNR=16	16.74 41 P	Pn	10 45 13.0 -0.3	146A	Union comp=Z,503nm,1.3s	18.18 9 eP	Pn	10 45 31.7 +0.8
LBR5	El Faro	3.50 107 eP	Pn	449A	Pac baz=197,SNR=9.0	16.76 16 P	P	10 45 15.7 +1.2	146A	Union baz=190,SNR=32	18.18 9 P	Pn	10 45 31.7 +0.8
PAVA	Las Pavas	3.59 105 eS	Sn	448A	Bay Minette baz=195,SNR=12	16.76 14 P	P	10 45 15.4 +0.8	455A	Stavelite baz=210	18.24 21 P	Pn	10 45 31.1 -0.4
PAVA	comp=Z,5um,0.5s			959A	Keckchobee	16.77 38 P	Pn	10 45 13.8 +0.1	557A	Orange Park baz=215,SNR=7.7	18.24 31 P	Pn	10 45 31.2 -0.4
HUIG	Huatulco	3.64 288 ePn	Pn	344A	Westbrook Farm comp=Z,826nm,1.4s	16.81 5 ePn	P	10 45 14.9 -0.2	353A	Camilla baz=206,SNR=18	18.28 23 P	Pn	10 45 32.8 +0.8
HUIG	Huatulco	3.64 288 eP	Pn	344A	Westbrook Farm comp=Z,826nm,1.4s	16.81 5 P	P	10 45 14.5 +0.4	147A	Livingston comp=Z,1um,1.3s	18.36 11 eP	Pn	10 45 34.3 +1.3
SNVI	San Vicente	3.71 106 eP	Pn	344A	Westbrook Farm baz=185,SNR=18	16.81 5 P	P	10 45 14.5 +0.4	147A	Livingston baz=185,SNR=89	18.36 11 P	Pn	10 45 34.9 +2.0
SNVI	comp=Z,3um,0.6s			DWPF	Disney Wildern comp=Z,810nm,0.9s	16.89 36 ePn	P	10 45 16.1 +0.1	148A	Greensboro baz=195,SNR=19	18.47 13 P	Pn	10 45 34.1 -0.3
UESV	Ojushada	3.83 109 eP	Pn	DWPF	Disney Wildern baz=219	16.89 36 P	Pn	10 45 14.5 -0.6	Z43A	Armstrong Farm baz=195,SNR=19	18.51 3 P	Pn	10 45 36.2 +1.3
UESV	comp=Z,9um,0.6s			346A	Big Creek Wild comp=Z,346nm,1.0s	16.89 9 ePn	P	10 45 16.4 +0.3	Z41A	Richland Creek comp=Z,454nm,1.1s	18.53 359 eP	P	10 45 34.5 +0.4
UESV	comp=Z,9um,0.6s			346A	Big Creek Wild baz=189,SNR=18	16.89 9 P	P	10 45 16.1 0.0	Z41A	Richland Creek baz=189,SNR=46	18.53 359 P	Pn	10 45 35.0 0.0
TUIG	Tuzandepet	3.83 332 ePn	Pn	450A	Crestview comp=Z,211nm,1.2s	16.98 18 P	P	10 45 17.7 +0.8	251A	Winona baz=201,SNR=82	18.54 19 P	Pn	10 45 34.8 -0.4
TUIG	Zuzandepet	3.83 332 eP	Pn	858A	St. Cloud baz=219,SNR=19	17.01 36 P	P	10 45 17.4 +0.1	Z40A	Long Farm, Mag baz=177,SNR=17	18.54 358 P	Pn	10 45 35.6 +0.4
LCY	Lacayo	4.27 106 eP	Pn	451A	Vernon comp=Z,392nm,1.3s	17.07 20 ePn	P	10 45 18.8 +0.8	Z42A	Not Spurt baz=181,SNR=18	18.55 1 P	Pn	10 45 35.5 +0.3
YSM	San Miguel	4.29 102 eP	Pn	451A	Vernon comp=Z,392nm,1.3s	17.07 20 P	P	10 45 18.9 +0.9	TIGA	Tifton comp=Z,477nm,0.9s	18.60 25 eP	Pn	10 45 35.6 -0.3
LCND	La Ca'ada	4.68 106 eP	Pn	347A	Saraland baz=192,SNR=12	17.07 12 P	P	10 45 19.2 +1.2	19A	Winona baz=207,SNR=36	18.60 25 P	Pn	10 45 35.7 -0.3
LCND	comp=Z,5um,0.4s			655A	Horseshoe Beac baz=211,SNR=6.8	17.08 29 P	P	10 45 18.1 -0.1	TIGA	Winona baz=207,SNR=36	18.61 15 P	Pn	10 45 35.7 -0.4
VHO	Vista Hermosa	4.72 301 ePn	Pn	JCT	Junctn City comp=Z,46nm,0.9s	17.12 338 ePn	P	10 45 18.9 +0.2	Z44A	Pea Ridge, Bel comp=Z,410nm,1.1s	18.64 5 P	Pn	10 45 37.4 +1.0
VHO	Vista Hermosa	4.72 301 eP	Pn	JCT	Junctn City	17.12 338 P	pmx	10 45 18.9 +0.2	252A	Lumpkin baz=203,SNR=38	18.68 21 P	Pn	10 45 36.4 -0.3
VHO	comp=Z,5um,0.4s			JCT	Junctn City	17.12 338 P	pmx	10 45 19.7 +1.0	456A	Hilliard baz=155,SNR=17	18.68 29 P	Pn	10 45 36.7 -0.1
CSGN	Cosiguina Volc	5.09 108 ePn	Pn	JCT	Junctn City	17.12 338 P	pmx	10 45 19.7 +1.0	PLMC	San Jos' del baz=155,SNR=17	18.68 120 eP	Pn	10 45 37.6 +0.5
TGUH	Tequiguigalpa,Un	5.89 110 ePn	Pn	NATX	Nacogdoches comp=Z,498nm,1.4s	17.14 354 ePn	P	10 45 18.7 -0.1	HELX	Santa Helena	18.69 115 eP	P	10 45 37.0 -0.5
TEL3	Telica 3	6.11 102 ePn	Pn	NATX	Nacogdoches comp=Z,498nm,1.4s	17.14 354 P	P	10 45 19.5 +0.7	ZARC	Zaragoza, Cauc	18.72 110 eP	P	10 45 33.7 -2.6
MOMN	Momtombo	6.22 110 eP	Pn	859A	Kempfer Cattle baz=172,SNR=20	17.16 37 P	P	10 45 19.0 0.0	Z46A	Louisville baz=190,SNR=40	18.75 9 P	Pn	10 45 37.2 -0.5
COPN	Copaltepe	6.26 112 eP	Pn	553A	Crawfordville baz=207,SNR=10.0	17.16 24 P	P	10 45 19.7 +0.6	Z45A	Winona baz=202,SNR=11.5	18.81 7 eP	Pn	10 45 37.5 +0.3
LVIG	Laguna Verde	6.28 324 ePn	Pn	243A	Waterproof baz=193,SNR=9.2	17.18 3 P	P	10 45 20.4 +0.2	150A	Winona baz=188,SNR=41	18.83 17 P	Pn	10 45 38.4 -0.3
TLIG	Tapla	6.50 297 ePn	Pn	BRAL	Brewton comp=Z,1um,1.0s	17.19 16 ePn	P	10 45 20.6 +1.2	Z47A	Carrollton baz=193,SNR=59	18.90 12 P	Pn	10 45 39.2 -0.4
XAVN	Gruta Xavier	6.51 112 ePn	Pn	BRAL	Brewton comp=Z,1um,1.0s	17.19 16 P	P	10 45 20.3 +1.0	253A	Americus comp=Z,343nm,1.1s	18.95 22 eP	P	10 45 39.0 +0.4
MGAN	Managua	6.59 111 eP	Pn	757A	Oxford baz=216,SNR=10	17.20 33 P	Pn	10 45 18.9 -0.1	253A	Americus comp=Z,343nm,1.1s	18.95 22 P	P	10 45 39.0 +0.4
MGAN	comp=N,383nm,1.0s			348A	Jackson comp=Z,1um,1.3s	17.21 13 ePn	P	10 45 20.9 +1.3	WLAR	White Oak Lake comp=Z,576nm,1.2s	18.96 358 eP	Pn	10 45 39.2 +0.4
MATN	Matagalpa	6.62 104 eP	Pn	348A	Jackson comp=Z,1um,1.3s	17.21 13 P	P	10 45 20.4 +0.8	151A	Opelika baz=201,SNR=283	18.96 19 P	Pn	10 45 39.5 -0.7
MASN	Masaya	6.63 113 eP	Pn	241A	Mo Tay, Golden comp=Z,306nm,1.3s	17.20 359 ePn	P	10 45 20.8 +0.3	LRLA	Lakeview Retre comp=Z,55nm,1.1s	18.98 14 eP	Pn	10 45 39.3 +0.4
MYIG	Miridia	6.81 22 ePn	Pn	241A	Mo Tay, Golden comp=Z,306nm,1.3s	17.20 359 P	P	10 45 20.9 +0.4	LRLA	Lakeview Retre baz=196,SNR=90	18.98 14 P	Pn	10 45 39.9 -0.5
TEIG	Tepeich	6.86 35 ePn	Pn	656A	Willston comp=Z,652nm,1.0s	17.31 31 ePn	Pn	10 45 20.2 -0.1	ABTX	Abilene, Hawle comp=Z,92nm,1.0s	19.04 341 eP	P	10 45 40.1 +0.4
BOAB	BOACO BROADBAN	6.86 35 eP	Pn	656A	Willston baz=214,SNR=7.6	17.31 31 P	P	10 45 20.6 0.0	ABTX	Abilene, Hawle comp=Z,92nm,1.0s	19.04 341 P	Pn	10 45 40.9 -0.2
CONN	Concepcion	7.39 114 eP	Pn	HPIG	comp=Z,62nm,1.1s	17.32 317 ePn	P	10 45 22.9 +1.9	Y42A	Garnett, Star baz=182,SNR=8.3	19.11 2 P	P	10 45 41.0 +0.5
ACON	Acoyapa	7.52 110 eP	Pn	349A	Repton baz=197,SNR=120	17.32 15 P	P	10 45 21.6 +0.8	356A	Blackhear baz=212	19.13 28 P	Pn	10 45 40.8 +0.2
UNM	Universidad Na	7.89 307 ePn	Pn	242A	Grayson baz=180,SNR=12	17.34 1 P	P	10 45 21.4 +0.5	Y41A	Eagletree Beard baz=179,SNR=28	19.15 360 P	Pn	10 45 41.0 +0.2
UNM	Universidad Na	7.89 307 eP	Pn	240A	Hunter Patters comp=Z,311nm,1.0s	17.35 356 ePn	P	10 45 21.6 +0.6	254A	Abbeville baz=209,SNR=27	19.17 25 P	Pn	10 45 41.3 +0.3
VCR	Vista de Mar	8.09 123 eP	Pn	240A	Hunter Patters baz=175,SNR=7.8	17.35 356 P	P	10 45 22.9 +1.8	Z48A	Northport baz=194,SNR=24	19.18 13 P	Pn	10 45 41.6 +0.4
MESS	Mesas	8.13 1181 eP	Pn	554A	Perry baz=209	17.38 26 P	P	10 45 22.2 +0.8	CCAR	Cane Creek comp=Z,350nm,1.1s	19.20 2 eP	P	10 45 41.6 +0.3
CUJ	Cuipulpa	8.20 1161 eP	Pn	244A	Avery, Jackson baz=185,SNR=55	17.39 5 P	P	10 45 21.5 -0.1	LPIG	Paz comp=Z,0.9nm,0.3s,baz=185,slow=1.5,SNR=4.3	19.22 302 P	Pn	10 45 45.3 +1.9
PLVR	Palo Verde	8.20 121 eP	Pn	GTBY	Guantanamo Bay comp=Z,471nm,0.8s	17.42 70 ePn	P	10 45 23.3 +1.3	LPIG	comp=Z,0.9nm,0.3s,baz=185,slow=1.5,SNR=4.3	19.22 302 P	Pn	10 52 56.2
ESPN	Las Esperanzas	8.36 106 eP	Pn	245A	Little AP, Sta baz=195,SNR=29	17.47 7 P	P	10 45 22.3 0.0	Y43A	comp=Z,796nm,20.5s,baz=118,slow=36	19.23 4 P	Pn	10 45 43.5 +0.1
JTS	JuntasAbangare	8.56 120 P	Pn	452A	Marianna baz=204,SNR=33	17.47 21 P	P	10 45 22.9 +0.5	Z49A	Columbiana baz=197,SNR=178	19.25 15 P	Pn	10 45 42.4 +0.5
JTS	comp=N,21nm,0.3s,baz=13,slow=5.7,SNR=87			MOTC	Monteria, Cord baz=190	17.49 108 eP	Pn	10 45 20.7 -2.0	GUYC	Guyana, Colomb baz=177,SNR=52	19.28 117 eP	Pn	10 45 45.1 +0.5
JTS	baz=246,slow=20,SNR=1.5			246A	Jaccon Lee, B baz=190	17.56 10 P	P	10 45 24.2 +0.8	Y40A	comp=Z,177nm,0.5s	19.29 358 P	Pn	10 45 42.7 +0.3
JTS	JuntasAbangare	8.56 120 ePn	Pn	VBMS	Vicksburg comp=Z,617nm,1.2s	17.58 6 ePn	P	10 45 24.2 +0.6	152A	Waverly Hall baz=202,SNR=93	19.29 20 eP	P	10 45 42.9 +0.5
JTS	JuntasAbangare	8.56 120 eP	Pn	VBMS	Vicksburg baz=186,SNR=25	17.58 6 P	Pn	10 45 23.8 +0.2	152A	Waverly Hall baz=202,SNR=93	19.29 20 P	P	10 46 00.8 +3.2
JTS	JuntasAbangare	8.56 120 iP	Pn	350A	Dozier baz=199,SNR=42	17.63 18 P	Pn	10 45 24.9 +0.7	Y45A	Yeager Farm, C baz=188,SNR=73	19.32 7 P	Pn	10 45 42.7 +0.3
ARE1	Arenal 1	9.07 118 eP	Pn	758A	Lake Helen baz=199,SNR=42	17.68 34 P	P	10 45 24.0 -0.7	Y44A	Strider, Char baz=186,SNR=42	19.34 6 P	Pn	10 45 42.9 0.0
ARE1	San Ram'ñn	9.07 118 eP	Pn	247A	Outman baz=192,SNR=24	17.69 11 P	Pn	10 45 25.5 +0.6	Y46A	Houston baz=190,SNR=96	19.43 9 P	Pn	10 45 44.1 +0.1
HDC	Heredia	9.42 118 ePn	Pn	DBBC	Dabeiba comp=Z,202,SNR=43	17.71 114 eP	Pn	10 45 25.5 +0.1	LGNH	Löogne comp=Z,208nm,0.8s	19.46 76 eP	P	10 45 44.8 +0.4
HDC	Heredia	9.42 118 eP	Pn	351A	Pinckard comp=Z,202,SNR=43	17.72 20 P	Pn	10 45 26.0 -0.8	Z50A	Ashland comp=Z,225nm,0.8s	19.47 17 eP	P	10 45 44.6 +0.3
TRT1	Tortuguero	9.50 1141 eP	Pn	555A	McAlpin comp=Z,463nm,0.8s	17.73 28 eP	P	10 45 25.7 +0.2	Z50A	Ashland comp=Z,225nm,0.8s	19.47 17 P	Pn	10 45 45.1 +0.8
LCR2	La Lucha 2	9.64 119 ePn	Pn	453A	Whigham comp=Z,397nm,1.0s	17.80 24 eP	Pn	10 45 27.3 +1.0	RREF	Revere baz=199,SNR=77	19.48 118 eP	Pn	10 45 47.2 +0.1
JRQG	Juriquilla Cam	9.66 333 ePn	Pn	453A	Whigham baz=206,SNR=18								

X45A	UM Field Stati	19.89	8	P	P	10 45 48.5 -0.4
Y49A	Blount Mountain	19.91	15	eP	P	10 45 48.7 -0.4
Y49A	comp-Z, 113nm, 0.9s	19.91	15	P	P	10 45 50.0 +0.9
BRRC	Barranca, Sant	19.91	10	eP	P	10 45 49.3 -0.1
OTAV	Otalavo	19.96	135	eP	Pn	10 45 51.7 -1.0
OTAV	comp-Z, 103nm, 1.4s	19.96	135	eP	P	10 45 51.7 -1.0
OXF	Oxford	19.98	8	eP	P	10 45 50.0 +0.2
OXF	comp-Z, 11m, 1.2s	19.98	8	eP	P	10 45 50.0 +0.2
OXF	Oxford	19.98	8	eP	P	10 45 50.1 +0.3
OXF	comp-Z, 11m, 1.2s	19.98	8	eP	P	10 45 50.1 +0.3
SOTA	Rioblanco	20.03	127	eP	Pn	10 45 53.4 -0.1
UALR	University of	20.04	0	eP	P	10 45 50.3 -0.2
UALR	comp-Z, 541nm, 1.4s	20.04	0	eP	P	10 45 50.3 -0.2
GCUF	Volcan Galeras	20.06	130	eP	Pn	10 45 54.2 +0.3
PCON	Cinco Dias	20.07	126	eP	Pn	10 45 54.9 +0.8
155A	Kita	20.10	25	P	P	10 45 51.2 0.0
MARP	Paez Belalcaza	20.11	124	eP	Pn	10 45 55.0 +0.8
Y50A	Piedmont	20.12	17	P	P	10 45 51.7 +0.3
Y50A	comp-Z, 199, SNR=58	20.12	17	P	P	10 45 51.7 +0.3
CRUC	La Cruz	20.13	129	eP	Pn	10 45 54.5 0.0
X46A	Boonville	20.14	9	P	P	10 45 51.6 0.0
CRUC	comp-Z, 190, SNR=69	20.14	9	P	P	10 45 51.6 0.0
URIC	Uridia, Colomb	20.19	96	eP	P	10 45 49.9 -2.5
X47A	Russelville	20.23	11	P	P	10 45 52.3 -0.2
X47A	comp-Z, 192, SNR=33	20.23	11	P	P	10 45 52.3 -0.2
Z53A	Monticel	20.25	22	P	P	10 45 52.6 -0.2
Z53A	comp-Z, 205, SNR=53	20.25	22	P	P	10 45 52.6 -0.2
Y51A	Rockmart	20.32	18	P	P	10 45 53.6 +0.1
Y51A	comp-Z, 200, SNR=94	20.32	18	P	P	10 45 53.6 +0.1
X48A	Hartselle	20.33	13	eP	P	10 45 53.5 -0.1
X48A	comp-Z, 177nm, 0.9s	20.33	13	eP	P	10 45 53.5 -0.1
X48A	Hartselle	20.33	13	P	P	10 45 53.3 -0.3
X48A	comp-Z, 195, SNR=45	20.33	13	P	P	10 45 53.3 -0.3
ROSC	El Rosal	20.39	117	eP	P	10 45 55.8 +0.9
ROSC	comp-Z, 75nm, 0.7s, baz=130, slow=2.6, SNR=45	20.39	117	eP	P	10 45 55.8 +0.9
ROSC	El Rosal	20.39	117	eP	P	10 50 07.3 +2.1
ROSC	comp-Z, 6.0nm, 0.4s, baz=177, slow=9.8, SNR=4.7	20.39	117	eP	P	10 50 07.3 +2.1
ROSC	El Rosal	20.39	117	eP	P	10 45 56.0 +1.0
ROSC	comp-Z, 120nm, 0.9s	20.39	117	eP	P	10 45 56.0 +1.0
ROSC	El Rosal	20.39	117	eP	Pn	10 45 56.6 -1.0
GIRC	Giron, Santand	20.40	110	eP	P	10 45 53.1 -1.6
GOGA	Godfrey	20.40	22	eP	P	10 45 54.5 +0.1
GOGA	comp-Z, 297nm, 0.9s	20.40	22	eP	P	10 45 54.5 +0.1
GOGA	Godfrey	20.40	22	eP	P	10 45 54.6 +0.1
GOGA	comp-Z, 297nm, 0.9s	20.40	22	eP	P	10 45 54.6 +0.1
GOGA	Godfrey	20.40	22	P	P	10 45 54.5 +0.1
GOGA	comp-Z, 205, SNR=45	20.40	22	P	Pn	10 45 55.9 -1.4
W43A	Forest City	20.42	4	P	Pn	10 45 54.8 0.0
W43A	comp-Z, 184	20.42	4	P	Pn	10 45 54.8 0.0
W41B	Gary Mavity, V	20.44	1	eP	P	10 45 54.8 0.0
W41B	comp-Z, 234nm, 1.2s	20.44	1	eP	P	10 45 54.8 0.0
W41B	Gary Mavity, V	20.44	1	P	P	10 45 54.8 0.0
W41B	comp-Z, 182, SNR=50	20.44	1	P	P	10 45 54.8 0.0
W40A	Ferguson Farm,	20.46	359	eP	P	10 45 54.3 -0.8
W40A	comp-Z, 176nm, 1.0s	20.46	359	eP	P	10 45 54.3 -0.8
W40A	Ferguson Farm,	20.46	359	eP	P	10 45 54.5 -0.6
W40A	comp-Z, 178, SNR=12	20.46	359	eP	P	10 45 54.5 -0.6
Z54A	Sparta	20.48	24	P	P	10 45 55.4 +0.1
Z54A	comp-Z, 207, SNR=60	20.48	24	P	P	10 45 55.4 +0.1
W39A	Magazine	20.49	357	eP	P	10 45 55.2 -0.2
W39A	comp-Z, 266nm, 1.3s	20.49	357	eP	P	10 45 55.2 -0.2
W39A	Magazine	20.49	357	P	Pn	10 45 58.2 0.0
W39A	comp-Z, 176, SNR=30	20.49	357	P	Pn	10 45 58.2 0.0
PRAC	Prado	20.49	120	eP	Pn	10 45 57.4 -1.0
MET	Memphis-Engin	20.52	6	eP	P	10 45 56.0 +0.3
MET	comp-Z, 113nm, 0.6s	20.52	6	eP	P	10 45 56.0 +0.3
156A	Sylvania	20.54	27	P	P	10 45 56.2 +0.3
156A	comp-Z, 211, SNR=15	20.54	27	P	P	10 45 56.2 +0.3
W44A	Shelby Farms P	20.55	6	P	Pn	10 45 58.5 -0.3
W44A	comp-Z, 187	20.55	6	P	Pn	10 45 58.5 -0.3
GD1L	Guadalupe Moun	20.55	330	eP	P	10 45 57.8 -1.2
X49A	Woodville	20.55	15	P	P	10 45 56.1 +0.1
X49A	comp-Z, 197, SNR=50	20.55	15	P	P	10 45 56.1 +0.1
W42A	Bald Knob	20.56	2	P	P	10 45 57.0 +0.9
W42A	comp-Z, 182	20.56	2	P	P	10 45 57.0 +0.9
Y52A	Liburn	20.61	20	P	P	10 45 56.9 +0.3
Y52A	comp-Z, 842nm, 1.3s	20.61	20	P	P	10 45 56.9 +0.3
Y52A	Liburn	20.61	20	P	P	10 45 56.8 +0.2
Y52A	comp-Z, 203, SNR=125	20.61	20	P	P	10 45 56.8 +0.2
BETO	Betania	20.62	124	eP	Pn	10 45 59.4 -0.6
PLAL	Pickwick Lake	20.64	10	eP	P	10 45 56.5 -0.5
PLAL	comp-Z, 127nm, 1.0s	20.64	10	eP	P	10 45 56.5 -0.5
W45A	Hickory Valley	20.64	8	P	P	10 45 58.2 +1.2
W45A	comp-Z, 183, SNR=60	20.64	8	P	P	10 45 58.2 +1.2
MNTX	Cornudas Mount	20.65	327	eP	P	10 45 58.0 +0.8
MNTX	comp-Z, 56nm, 1.0s	20.65	327	eP	P	10 45 58.0 +0.8
MNTX	Cornudas Mount	20.65	327	P	P	10 45 58.0 +0.8
MNTX	comp-Z, 142, SNR=66	20.65	327	P	P	10 45 58.0 +0.8
X50B	Fort Payne	20.68	16	P	P	10 45 56.9 -0.5
X50B	comp-Z, 198, SNR=66	20.68	16	P	P	10 45 56.9 -0.5
W46A	Michie	20.73	10	P	P	10 45 57.5 -0.5
W46A	comp-Z, 191, SNR=26	20.73	10	P	P	10 45 57.5 -0.5
PAMC	Pamploña, Colo	20.75	108	eP	P	10 45 56.8 -2.1
Z55A	Blythe	20.75	25	P	P	10 45 57.7 -0.5
Z55A	comp-Z, 209, SNR=40	20.75	25	P	P	10 45 57.7 -0.5
Y53A	Monroe	20.76	21	P	P	10 45 58.4 +0.1
Y53A	comp-Z, 204, SNR=103	20.76	21	P	P	10 45 58.4 +0.1
SDDR	Presa de Saban	20.77	75	eP	P	10 45 58.5 0.0
SDDR	comp-Z, 244nm, 0.9s	20.77	75	eP	P	10 45 58.5 0.0
WMOK	Wichita Mounta	20.79	345	eP	P	10 45 59.1 +0.5
WMOK	comp-Z, 63nm, 1.0s	20.79	345	eP	P	10 45 59.1 +0.5
WMOK	Wichita Mounta	20.79	345	eP	P	10 45 59.1 +0.5
WMOK	comp-Z, 63nm, 1.0s	20.79	345	eP	P	10 45 59.1 +0.5
WMOK	Wichita Mounta	20.79	345	P	P	10 45 58.8 +0.1
WMOK	comp-Z, 162, SNR=32	20.79	345	P	P	10 45 58.8 +0.1
HBAR	Harrisburg	20.88	4	eP	P	10 46 01.1 +1.5
HBAR	comp-Z, 166nm, 0.9s	20.88	4	eP	P	10 46 01.1 +1.5
W47A	Westpoint	20.99	11	P	P	10 45 59.8 -0.9
W47A	comp-Z, 193, SNR=30	20.99	11	P	P	10 45 59.8 -0.9
RUSC	La Rusia	20.99	112	eP	P	10 45 59.8 -1.7
X51A	Calhoun	21.00	18	eP	P	10 46 00.3 -0.6
X51A	comp-Z, 246nm, 1.4s	21.00	18	eP	P	10 46 00.3 -0.6
X51A	Calhoun	21.00	18	P	P	10 46 00.9 0.0
X51A	comp-Z, 200, SNR=29	21.00	18	P	P	10 46 00.9 0.0
CHIC	Chingaza	21.00	116	eP	P	10 46 01.8 +0.3
W48A	Pulaski	21.01	13	P	P	10 46 00.5 -0.5
W48A	comp-Z, 195, SNR=27	21.01	13	P	P	10 46 00.5 -0.5
V41A	Mountainview	21.05	1	P	P	10 46 00.8 -0.6
V41A	comp-Z, 180, SNR=42	21.05	1	P	P	10 46 00.8 -0.6
V40A	Witts Springs	21.07	359	eP	P	10 46 00.6 -1.0
V40A	comp-Z, 114nm, 1.0s	21.07	359	eP	P	10 46 00.6 -1.0
V40A	Witts Springs	21.07	359	P	P	10 46 01.0 -0.6
V40A	comp-Z, 179, SNR=30	21.07	359	P	P	10 46 01.0 -0.6
V42A	Cord	21.09	3	P	P	10 46 02.6 +0.8
V42A	comp-Z, 182, SNR=37	21.09	3	P	P	10 46 02.6 +0.8
Y44A	Tignall	21.10	23	P	P	10 46 01.6 -0.3
Y44A	comp-Z, 207, SNR=55	21.10	23	P	P	10 46 01.6 -0.3
FLOC	Florenca	21.12	126	eP	P	10 46 04.8 +2.4
V43A	Jonesboro	21.12	4	P	P	10 46 03.3 +1.1
V43A	comp-Z, 185	21.12	4	P	P	10 46 03.3 +1.1
V39A	Pettigrew	21.12	357	P	P	10 46 01.7 -0.6
V39A	comp-Z, 176, SNR=55	21.12	357	P	P	10 46 01.7 -0.6
W49A	Belvidere	21.14	14	P	P	10 46 02.4 0.0
W49A	comp-Z, 195, SNR=41	21.14	14	P	P	10 46 02.4 0.0
V44A	Blytheville	21.22	6	P	P	10 46 02.9 -0.3
V44A	comp-Z, 186	21.22	6	P	P	10 46 02.9 -0.3
V45A	Humboldt	21.24	8	P	P	10 46 02.9 -0.5
V45A	comp-Z, 183, SNR=13	21.24	8	P	P	10 46 02.9 -0.5
EPT	El Paso	21.31	325	eP	P	10 46 04.8 +0.4
EPT	comp-Z, 244nm, 1.1s	21.31	325	eP	P	10 46 04.8 +0.4
SWET	Sewanee	21.32	15	eP	P	10 46 04.0 -0.3
SWET	comp-Z, 160nm, 0.6s	21.32	15	eP	P	10 46 04.0 -0.3
X52A	Dalhousie	21.34	20	P	P	10 46 04.0 -0.5
X52A	comp-Z, 203, SNR=74	21.34	20	P	P	10 46 04.0 -0.5
GNAR	Gosnell	21.34	6	eP	P	10 46 05.2 +0.7
GNAR	comp-Z, 392nm, 1.2s	21.34	6	eP	P	10 46 05.2 +0.7
RGRS	Roger Stewart	21.35	30	eP	P	10 46 04.4 -0.2
RGRS	comp-Z, 211nm, 1.0s	21.35	30	eP	P	10 46 04.4 -0.2
MSTX	Muleshoe	21.36	336	eP	P	10 46 05.2 +0.4
MSTX	comp-Z, 85nm, 0.8s	21.36	336	eP	P	10 46 05.2 +0.4
MSTX	Muleshoe	21.36	336	P	P	10 46 05.7 +0.9
MSTX	comp-Z, 151, SNR=54	21.36	336	P	P	10 46 05.7 +0.9
HALT	Halls	21.36	7	eP	P	10 46 05.8 +1.1
HALT	comp-Z, 390nm, 1.2s	21.36	7	eP	P	10 46 05.8 +1.1
TUL1	Leonard	21.38	353	eP	P	10 46 03.4 -1.5
TUL1	comp-Z, 188nm, 1.2s	21.38	353	eP	P	10 46 03.4 -1.5
TUL1	Leonard	21.38	353	P	P	10 46 04.8 -0.1
TUL1	comp-Z, 188nm, 1.2s	21.38	353	P	P	10 46 04.8 -0.1

V46A	Holladay	21.43	10	P	P	10 46 04.3 -1.1
V46A	comp-Z, 171, SNR=20	21.43	10	P	P	10 46 04.3 -1.1
X53A	Estanolle	21.45	21	P	P	10 46 04.9 -0.7
X53A	comp-Z, 191, SNR=32	21.45	21	P	P	10 46 04.9 -0.7
W50A	Signal Mountai	21.46	16	eP	P	10 46 05.4 -0.5
W50A	comp-Z, 201nm, 0.9s	21.46	16	eP	P	10 46 05.4 -0.5
W50A	Signal Mountai	21.46	16	P	P	10 46 05.1 -0.8
W50A	comp-Z, 201nm, 0.9s	21.46	16	P	P	10 46 05.1 -0.8
CSU	Charleston Sou	21.48	30	eP	P	10 46 06.2 +0.3
SJAC	San Juan de Ar	21.51	120	eP	P	10 46 11.1 +2.4
NHSC	New Hope	21.52	29	eP	P	10 46 06.8 +0.3
NHSC	comp-Z, 21um, 1.2s	21.52	29	eP	P	10 46 06.8 +0.3

Table with columns: ID, Name, Date, Time, Status, and other details. Includes entries like Cedar Bluff, Winchester, North Vernon, Blacksburg, etc.

Table with columns: ID, Name, Date, Time, Status, and other details. Includes entries like Divide, Saint Thomas, Milan, Wickenburg, etc.

Table with columns: ID, Name, Date, Time, Status, and other details. Includes entries like Fremont, Cone Mtn., Paradox Valley, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like OUK, HORN, RSA, PAB, SPAO, ESDC, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like DPC, TOA1, TOR, JAVS, KRCL, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like BOSA, UST, LBTB, EKS2, etc.

NSSP 14 10:47:41.9, 41°67'N-46°13'E, h10km, Ms3.1
MOS 14 10:47:42.0, 41.0, 41°71'N-46°33'E, h3km, MPVA3.9
DRS 14 10:47:43.0, 41.0, 41°70'N-46°21'E, h13km
MOS 14 10:47:44.0, 41.0, 41°67'N-46°29'E, h14km, mb4.0, 1. Error
ellipsoe: s-maj=8.3km s-min=5.9km az=78.1
TIF 14 10:47:44.7, 41.0, 41°67'N-46°26'E, h32km, 2km
ISC 14 10:47:43.9, 41.0, 41°68'N-102°46'24E, 0.02, h11km, gkm,
n57, r132/97, 6C-4D, Eastern Caucasus
Code Station Name Az° Az' Phase ID Time Res
DDFL Dedoflistskaro 0.25 202 Op S 40 47 52 +1.5
DDFL 40 48 01 +6.9
DGRG David-gareji 0.69 251 P S 40 47 59 +0.5
DGRG 40 48 11 +0.9
DGRG David-gareji 0.69 251 ePg Pn 40 47 59 -0.4
DGRG David-gareji 0.69 251 ePg Pn 40 47 58 +0.8
DGRG Kumukh 0.78 34 ePg Sg 40 48 09 -0.3
KMKR 40 48 09 -0.3
GNBR 40 48 06 -0.5
GNBR 40 48 12.5 -0.2
GNBR 40 48 03 -0.7
GNBR 40 48 12.9 -0.4
GNBR Khunzakh 0.93 22 ePg Sg 40 48 01 -0.7
GNBR 40 48 17 +0.2
XNZR 40 48 11 -0.7
XNZR Khunzakh 0.93 22 ePg Sg 40 48 14 +0.2
BTLR 40 48 02 -0.3
BTLR 40 48 16 -0.1

OUZ	Omahuta	5.92	295	P	Pn	11 02	52.3	+1.3
<p>GCMT 11:09:28.5±0.5, 48°20'N, 0°03'155.37E±0.05, h32km, 1km, MW5.5/41, Moment Tensor Solution, s39,c52; s41,c53; Duration: 1s3 Moment tensor: Scale 10¹⁷Nm; M₀-1.31±.09; M₁₁-0.05±.09; M₂₂-1.25±.08; M₃₃-0.62±.12; M₁₂-0.07±.05; M₁₃-0.75±.10; Best double couple: M₀-1.87200×10¹⁷ Np², 218.00000°, δ61.00000°, 7.99.00000°. NP₂=20.00000°, δ30.00000°, 1.74.00000°. Principal axes: T: 1.5990, P: 72.00, Azm: 149.0000°; N: 0.5520, P: 8.0000°, Azm: 34.0000°; P: 2.1450, P: 16.0000°, Azm: 301.0000°. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function</p> <p>BUI 11:09:29.7, 48°22'N, 154°96'E, h34km, mb5.0/54, mb5.2/36, Ms5.4/35, Ms7.5/23/3</p> <p>KRSC 11:09:32.4±1.9, 48°14'N, 154°92'E, h82km, 33km, ML5.6</p> <p>ISCJB 11:09:34.6±0.3, 48°35'N, 0°02'154.50E±0.02, h52km, 2km, mb5.1/417, MS5.7/2, Error ellipse: s-maj=3.9km s-min=1.8km az=157.6</p> <p>NEIC 11:09:34.5±0.1, 48°35'N, 154°43'E, h35km, mb5.1/297, Error ellipse: s-maj=3.2km s-min=1.7km az=162.0</p> <p>MOS 11:09:36.8±1.0, 48°48'N, 154°45'E, h73km, mb5.3/96, MS4.0/7, Error ellipse: s-maj=6.9km s-min=2.9km az=71.3</p> <p>SKHL 11:09:36.4±0.2, 48°30'N, 154°60'E, h73km, 5km, mb5.6/13, mb5.2/1, Ms4.7/5</p> <p>IDC 11:09:37.7±2.3, 48°38'N, 154°46'E, h66km, 20km, mb4.7/33, mb1.4/9/37, mb1mx4.8/49, mb1mp5.0/37, MS4.3/3, Ms1.4/3/3, ms1mx3.7/39, Error ellipse: s-maj=11.8km s-min=8.9km az=145.0</p> <p>ISC 11:09:36.2±0.7, 48°33'N, 0°04'154.54E±0.04, h54km, 5km, n1295, r192/1343, mb5.1/424, 69C-14D, Kuril Islands</p>								
Code	Station Name	Δ	AZ	Phase	ID	Time	Res	
SKR	Severo-Kuril's	2.57	23	Op	ISC	h	m	s
SKR	563nm,0.6s			AMB	AMB	11	10	15.3
SKR		eS	A	Sn		11	10	15.0
SKR	5μm,0.6s			A	A	11	10	51.0
SKR	6μm,0.6s			AMS	AMS	11	11	20.0
SKR	8μm,1.10s			AMS	AMS	11	11	20.0
SKR	7μm,1.10s			AMS	AMS	11	11	20.0
SKR	8μm,1.10s			AMS	AMS	11	11	20.0
SKR	Severo-Kuril's	2.57	23	eP	Pn	11	10	15.1
SKR		eS	A	Sn		11	10	44.2
SKR	Severo-Kuril's	2.57	23	iP	Pn	11	10	16.0
SKR		eS	A	Sn		11	10	45.6
SKR	comp=Z,6μm,0.6s			pmax	pmax			
SKR	comp=N,5μm,0.6s			smax	smax			
SKR	comp=E,6μm,0.6s			smax	smax			
SKR	comp=Z,8μm,10.0s			MLR	MLR			
KDTR	Khodutka, Kamc	4.16	32	eP	Pn	11	10	36.1
KDTR		eS	A	Sn		11	10	23.5
MIPR	Malaya Ipe'l'ka	4.20	19	Pn	Pn	11	10	38.5
MIPR	Malaya Ipe'l'ka	4.20	19	PN	Pn	11	10	38.5
ASAK	Asacha	4.59	27	eP	Pn	11	10	44.3
ASAK	Asacha	4.59	27	PN	Pn	11	10	44.3
MTVR	Mutnovka	4.76	28	eP	Pn	11	10	45.6
MTVR	Mutnovka	4.76	28	PN	Pn	11	10	45.6
MTVR	Mutnovka	4.76	28	PN	Pn	11	10	45.6
GRL	Gorelyy	4.79	27	iP	Pn	11	10	47.0
GRL	Gorelyy	4.79	27	PN	Pn	11	10	47.0
RUS	Russkaya	4.83	30	eP	Pn	11	10	45.4
RUS	Russkaya	4.83	30	iP	Pn	11	10	45.4
RUS	Russkaya	4.83	30	eS	Pn	11	11	38.9
RUS	Russkaya	4.83	30	PN	Pn	11	10	45.4
RUS	Russkaya	4.83	30	PN	Pn	11	11	38.9
KRMR	Karymshinskiy	5.05	26	eP	Pn	11	10	50.2
KRMR	Karymshinskiy	5.05	26	PN	Pn	11	10	50.2
PEAOB	Petropavlovsk-	5.18	22	eP	Pn	11	10	52.7
PETK	Petropavlovsk-	5.18	22	PN	Pn	11	10	52.5
PETK	comp=Z,31nm,0.3s,baz=180,slow=13,SNR=200			LR	LR	11	10	52.5
PETK	comp=Z,4μm,20.0s,baz=183,slow=40			LR	LR	11	10	52.5
PETK	Petropavlovsk-	5.18	22	eP	Pn	11	10	52.7
PETK	Petropavlovsk-	5.18	22	ePN	Pn	11	10	52.7
PETK	Petropavlovsk-	5.37	28	eP	Pn	11	10	53.8
PET	Petropavlovsk-	5.37	28	eP	Pn	11	10	53.8
PET	comp=Z,262nm,0.6s			AMB	AMB	11	10	56.9
PET		eS	A	Sn		11	11	54.6
PET	comp=Z,1μm,0.7s			A	A	11	12	07.5
PET	comp=Z,1μm,0.7s			A	A	11	12	07.5
PET	comp=Z,2μm,11.0s			AMS	AMS	11	12	44.2
PET	Petropavlovsk	5.37	28	iP	Pn	11	10	53.9
PET	Petropavlovsk	5.37	28	eS	Pn	11	11	54.0
PET	Petropavlovsk	5.37	28	iP	PN	11	10	53.7
PET	Petropavlovsk	5.37	28	iS	Pn	11	11	54.6
PET	comp=Z,315nm,0.6s			pmax	pmax			
PET	comp=E,2μm,0.8s			smax	smax			
PET	comp=N,1μm,0.7s			smax	smax			
PET	comp=Z,2μm,20.0s			MLR	MLR			
PET	comp=Z,2μm,11.0s			MLR	MLR			
DALK	Dalny	5.41	28	eP	Pn	11	10	54.2
DALK	Dalny	5.41	28	eS	Pn	11	11	53.8
DALK	Dalny	5.41	28	PN	Pn	11	10	54.2
DALK	Dalny	5.41	28	S	Pn	11	10	58.4
KUR	Kuril'sk	5.54	238	iP	Pn	11	10	57.8
KUR	comp=Z,216nm,0.6s			AMB	AMB	11	11	00.0
KUR	comp=Z,298nm,0.6s			AMB	AMB	11	11	00.0
KUR	comp=Z,1μm,0.6s			AMB	AMB	11	11	00.0
KUR	comp=Z,1μm,0.6s			A	A	11	11	59.0
KUR	comp=Z,1μm,0.6s			A	A	11	12	10.0
KUR	comp=Z,1μm,0.6s			A	A	11	12	10.0
KUR	Kuril'sk	5.54	238	iP	PN	11	10	58.1
KUR	Kuril'sk	5.54	238	iS	Pn	11	12	02.1
KUR	comp=Z,1μm,0.7s			pmax	pmax			
KUR	comp=N,295nm,0.4s			pmax	pmax			
KUR	comp=E,312nm,0.8s			smax	smax			
KUR	comp=E,10μm,1.5s			smax	smax			
KUR	comp=N,7μm,1.4s			smax	smax			
KUR	comp=N,1μm,0.6s			smax	smax			
KUR	comp=E,1μm,0.6s			smax	smax			
UGLR	Uglovaya	5.58	27	iP	Pn	11	10	57.5
UGLR	Uglovaya	5.58	27	PN	Pn	11	10	57.5
KOK	Koryaka	5.60	26	eP	Pn	11	10	58.4
KOK	Koryaka	5.60	26	iP	Pn	11	10	58.4
KOK	Koryaka	5.60	26	PN	Pn	11	10	58.4
AVH	Avacha	5.61	27	eP	Pn	11	10	58.2
AVH	Avacha	5.61	27	iP	Pn	11	10	58.2
AVH	Avacha	5.61	27	PN	Pn	11	10	58.2
SMAR	Somma	5.62	27	iP	Pn	11	10	58.3
SMAR	Somma	5.62	27	PN	Pn	11	10	58.3
KRER	Koryakskii	5.64	27	iP	Pn	11	10	58.6
KRER	Koryakskii	5.64	27	PN	Pn	11	10	58.6
KRER	Koryakskii	5.64	27	PN	Pn	11	10	58.6
KRX	Arik	5.66	26	eP	Pn	11	10	59.3
KRX	Arik	5.66	26	PN	Pn	11	10	59.3
SDLR	Sedlovina	5.66	27	iP	Pn	11	10	57.9

SDLR	Sedlovina	5.66	27	PN	Pn	11	10	57.9
GNL	Ganally	5.78	20	iP	Pn	11	11	01.1
GNL	Ganally	5.78	20	PN	Pn	11	11	01.1
SPN	Mys Shipunski	5.90	34	eS	Pn	11	10	59.4
SPN	Mys Shipunski	5.90	34	PN	Pn	11	10	59.4
SHO	Shikotan	6.98	233	iP	Pn	11	11	14.9
SHO	comp=E,120nm,0.3s			AMB	AMB	11	11	18.0
SHO	comp=E,106nm,0.3s			AMB	AMB	11	11	18.0
SHO	comp=E,326nm,0.3s			iS	Pn	11	12	30.8
SHO	Shikotan	6.98	233	iP	PN	11	11	14.4
SHO	comp=Z,326nm,0.4s			pmax	pmax			
SHO	comp=N,120nm,0.3s			pmax	pmax			
SHO	comp=E,106nm,0.2s			pmax	pmax			
YUK	Yuzh-Kuril'sk	7.40	238	iP	Pn	11	11	22.0
YUK	comp=E,101nm,0.4s			AMB	AMB	11	11	23.0
YUK	comp=E,49nm,0.4s			AMB	AMB	11	11	23.0
YUK	comp=E,194nm,0.4s			AMB	AMB	11	11	23.0
YUK	Yuzh-Kuril'sk	7.40	238	iP	PN	11	11	22.3
YUK	comp=N,101nm,0.4s			pmax	pmax			
YUK	comp=E,49nm,0.4s			pmax	pmax			
YUK	comp=Z,2μm,0.4s			pmax	pmax			
GRPR	Tuman	7.48	238	iP	Pn	11	11	23.0
GRPR	comp=Z,364nm,0.3s			AMB	AMB	11	11	27.0
GRPR	comp=Z,973nm,0.3s			AMB	AMB	11	11	27.0
GRPR	comp=Z,791nm,0.3s			AMB	AMB	11	11	27.0
GRPR	comp=N,364nm,0.2s			pmax	pmax			
GRPR	comp=E,973nm,0.4s			pmax	pmax			
KZV	Kizimen	7.67	26	eP	Pn	11	11	25.5
KZV	Kizimen	7.67	26	PN	Pn	11	11	25.5
TUMR	Tumrok	7.78	24	eP	Pn	11	11	27.3
TUMR	Tumrok	7.78	24	PN	Pn	11	11	27.3
TUMD	Tumrok D	7.78	26	eP	Pn	11	11	26.2
GLVR	Golovino	7.78	237	iP	Pn	11	11	27.0
GLVR	comp=E,242nm,0.5s			AMB	AMB	11	11	35.0
GLVR	comp=E,639nm,0.5s			AMB	AMB	11	11	35.0
GLVR	Golovino	7.78	237	iP	PN	11	11	27.2
GLVR	comp=Z,639nm,0.5s			pmax	pmax			
GLVR	comp=E,242nm,0.2s			pmax	pmax			
YSS	Yuzh-Sakhalins	8.08	265	eP	Pn	11	11	33.6
YSS	Yuzh-Sakhalins	8.08	265	eP	Pn	11	11	32.1
YSS	comp=E,120nm,0.9s			AMB	AMB	11	11	37.2
YSS	comp=E,250nm,0.9s			AMB	AMB	11	11	37.2
YSS	comp=E,320nm,0.9s			AMB	AMB	11	11	37.2
YSS								

UMPA	Umpang Tak	55.39 255 P	P	11 19 07.7 +2.7
I05D	Terrebonne, OR	55.40 60 P	P	11 19 05.9 +1.1
E08A	Dider Farm, El	55.43 57 eP	P	11 19 05.2 +0.3
NEW	Newport	55.45 54 eP	P	11 19 05.5 +0.4
NEW	Newport	55.45 54 eP	P	11 19 05.5 +0.4
NEW	Newport	55.45 54 eP	P	11 19 05.5 +0.4
NEW	Newport	55.45 54 P	P	11 19 05.7 +0.5
HUMO	Hull Mountain	55.48 63 eP	P	11 19 06.7 +1.3
UTHA	Uthaitani	55.49 254 P	P	11 19 07.9 +2.2
BRDH	Bariadhala	55.51 266 P	P	11 19 07.0 +1.2
KULLO	Kullorsuaq	55.54 10 i P	P	11 19 05.2 -0.1
KULLO	Kullorsuaq	55.54 10 i P	P	11 19 05.2 -0.1
J04D	Umpuq Nationa	55.60 62 P	P	11 19 08.1 +1.6
JIRN	Jiri	55.79 274 eP	P	11 19 09.3 +1.1
GUN	Gumba	55.83 275 eP	P	11 19 09.2 +0.7
E09A	Wood Farm, Sta	55.92 56 eP	P	11 19 09.1 +0.6
PINE	Pine Mountain	55.96 60 eP	P	11 19 10.5 +1.5
RAMN	Ramite	55.98 274 eP	P	11 19 10.2 +0.7
KHMM	Horse Mountain	56.06 65 eP	P	11 19 11.5 +1.8
KK31	Karayat Array	56.09 299 eP	P	11 19 08.7 -1.1
KK31	Karayat Array	56.09 299 eP	P	11 19 08.7 -1.1
KKAR	Karayat Array	56.09 299 eP	P	11 19 08.4 -1.3
KKAR	Karayat Array	56.09 299 eP	P	11 19 08.4 -1.3
J05D	Fort Rock, OR	56.09 61 P	P	11 19 11.6 +1.7
L04D	Klamath Falls	56.10 63 P	P	11 19 11.3 +1.4
YBH	Yreka Blue Hor	56.15 63 eP	P	11 19 11.8 +1.6
YBH	Yreka Blue Hor	56.15 63 eP	P	11 19 11.9 +1.6
G08A	Pilot Rock	56.20 58 eP	P	11 19 11.1 +0.5
M02C	Callahan	56.27 64 P	P	11 19 12.8 +1.7
KKN	Kakani	56.31 275 eP	P	11 19 12.7 +1.0
PKI	Paluchoki	56.37 275 eP	P	11 19 12.7 +0.4
PKIN	Phulchoki	56.37 275 eP	P	11 19 12.6 +0.4
DMN	Daman	56.54 275 eP	P	11 19 13.8 +0.3
PRGR	Pergormeg	56.56 327 eP	P	11 19 11.3 -1.4
I07A	Ize	56.61 59 eP	P	11 19 14.8 +1.2
N02D	Trinity Center	56.62 64 P	P	11 19 15.2 +1.6
K05A	Summer Lake	56.63 61 eP	P	11 19 15.6 +1.8
M04C	Maddoe	56.64 63 P	P	11 19 15.2 +1.4
ARCES	ARCCESS Array B	56.67 341 P	P	11 19 11.9 -1.6
ARCES	ARCCESS Array B	56.67 341 P	P	11 19 11.9 -1.6
AREO	ARCCESS Array S	56.67 341 P	P	11 19 13.8 +0.3
WALA	Waterton Lakes	56.69 52 eP	P	11 19 14.8 +0.7
F10A	Beach Ranch E	56.76 56 eP	P	11 19 15.0 +0.5
KCPM	Cahto Peak	56.87 66 eP	P	11 19 16.8 +1.3
DANN	Dangla	56.95 277 eP	P	11 19 16.6 +0.2
WDC	Whiskeytown Da	56.95 64 eP	P	11 19 16.8 +0.9
WDC	Whiskeytown Da	56.95 64 eP	P	11 19 16.8 +0.9
O02D	Mt. Diablo Mer	57.05 65 P	P	11 19 17.7 +1.0
JTMT	Jette	57.29 53 P	P	11 19 19.4 +1.1
BMO	Blue Mountains	57.40 58 eP	P	11 19 20.2 +1.1
BMO	Blue Mountains	57.40 58 eP	P	11 19 20.2 +1.1
KOLN	Koldanda	57.44 276 eP	P	11 19 19.7 0.0
MOD	Modoc Plateau	57.48 62 eP	P	11 19 20.9 +1.1
O03E	Paynes Creek	57.57 64 P	P	11 19 20.8 +0.5
KTK1	Kautokoino	57.58 341 eP	P	11 19 18.7 -1.2
PYUN	Pyuthan	57.62 277 eP	P	11 19 21.3 +0.3
J08A	Circle Bar Ran	57.65 60 eP	P	11 19 22.1 +1.3
GDXM	Geysers	57.90 66 eP	P	11 19 24.1 +1.5
WRO	Tromso	57.95 343 eP	P	11 19 22.3 -0.1
MGL	Magalia	58.02 65 eP	P	11 19 24.1 +0.6
MSO	Missoula	58.04 54 eP	P	11 19 24.3 +0.7
MSO	Missoula	58.04 54 P	P	11 19 24.4 +0.9
WVOR	Wild Horse Val	58.12 61 eP	P	11 19 25.3 +1.1
ABKAR	Abkarak array	58.16 310 eP	P	11 19 22.9 -1.3
ORV	Oroville	58.22 65 eP	P	11 19 25.0 +0.3
AKTO	Aktuyubinsk	58.39 312 P	P	11 19 24.8 -1.0
AKTO	Aktuyubinsk	58.39 312 P	P	11 19 24.8 -1.0
BOK	Bokaro	58.58 271 eP	I Amb	11 19 27.1 -0.4
BOK	Bokaro	58.58 271 eP	I Amb	11 19 29.0
BEKR	Beckworth	58.71 64 eP	P	11 19 28.9 +0.5
FFC	Flin Flon	58.90 41 eP	P	11 19 30.1 +0.7
FFC	Flin Flon	58.90 41 eP	P	11 19 30.7 +1.4
FFC	Flin Flon	58.90 41 i P	P	11 19 30.7 +1.4
AFDM	Forest Hills D	58.91 65 eP	P	11 19 30.0 +0.3
SUMG	Summit	59.05 5 eP	P	11 19 30.9 +0.3
SUMG	Summit	59.05 5 i i P	P	11 19 31.1 +0.6
SUMG	Summit	59.05 5 i i P	P	11 19 31.1 +0.6
HRV	Holter Researc	59.24 53 eP	P	11 19 33.4 +1.4
DHRM	DHARAMSHALA	59.29 285 eP	P	11 19 31.9 -0.7
PAHR	Pah Rah Range	59.39 63 eP	P	11 19 33.8 +0.7
DDI	Dehra Dun	59.41 282 eP	P	11 19 32.6 -0.7
FCC	Fort Churchill	59.41 34 eP	P	11 19 33.1 +0.4
FCC	Fort Churchill	59.41 34 eP	P	11 19 33.1 +0.4
SMLA	Smila	59.46 284 eP	P	11 19 32.3 -1.2
LRM	Limekiln Ridge	59.47 54 eP	P	11 19 34.6 +0.9
VCNR	Virginia City	59.49 64 eP	P	11 19 34.8 +0.9
EGMT	Eagleton	59.50 51 eP	P	11 19 33.9 +0.3
EGMT	Eagleton	59.50 51 P	P	11 19 34.3 +0.6
PNTR	Pine Nut	59.65 64 eP	P	11 19 36.1 +1.1
HLID	Hailey	59.83 57 eP	P	11 19 37.2 +1.1

HLID	Hailey	59.83 57 P	P	11 19 37.2 +1.1
CMB	Columbia Colle	59.85 65 eP	P	11 19 36.2 0.0
CMB	Columbia Colle	59.85 65 eP	P	11 19 36.2 0.0
MCMT	McKenzie Canyo	59.89 55 eP	P	11 19 37.1 +0.5
YERR	Yerlington	59.93 64 eP	P	11 19 37.6 +0.7
BOZ	Bozeman (W)	60.06 54 eP	P	11 19 38.9 +1.2
BOZ	Bozeman (W)	60.06 54 eP	P	11 19 38.9 +1.2
BOZ	Bozeman (W)	60.06 54 P	P	11 19 38.8 +1.2
WAKR	Walker	60.12 65 eP	P	11 19 38.9 +0.7
KSM	Kuching	60.20 233 eP	P	11 19 39.6 +0.9
BMN	Battle Mountai	60.21 62 eP	P	11 19 39.8 +1.1
BMN	Battle Mountai	60.21 62 eP	P	11 19 39.8 +1.1
LOF	Lofoten	60.25 344 eP	P	11 19 38.3 0.0
KVN	Kaiserville	60.57 63 eP	P	11 19 42.3 +1.0
KVN	Kaiserville	60.57 63 eP	P	11 19 42.3 +1.0
RYN	Ryan	60.59 64 eP	P	11 19 42.1 +0.7
QLMT	Earthquake Lak	60.66 55 eP	P	11 19 43.0 +1.1
YHB	Yreka Butte	60.84 54 eP	P	11 19 44.4 +1.4
NV01	Mina Array B	60.85 64 eP	P	11 19 44.0 +0.8
NVAR	Mina Array B	60.85 64 eP	P	11 19 44.1 +0.9
NVAR	Mina Array B	60.85 64 eP	P	11 20 27.3 +0.8
NV11	Mina Array S1	60.94 64 P	P	11 19 44.4 +0.7
GCMT	Greycliff	60.98 53 eP	P	11 19 45.3 +1.4
YHH	Holmes Hill	61.00 54 eP	P	11 19 45.4 +1.1
YMR	Madison River	61.02 54 eP	P	11 19 45.5 +1.3
MLAC	Mammoth, Mammo	61.05 65 P	P	11 19 46.3 +1.7
BWNR	Bhubaneshwar	61.06 268 eP	P	11 19 44.6 +0.1
TRTT	Trang	61.22 248 P	P	11 19 47.3 +1.6
ILULI	Ilulissat	61.25 10 i P	P	11 19 44.7 -0.4
ILULI	Ilulissat	61.25 10 i P	P	11 19 44.7 -0.4
YPP	Pitchstone Pla	61.36 55 eP	P	11 19 48.5 +1.8
LKWY	Lake	61.39 54 eP	P	11 19 49.5 +2.7
LKWY	Lake	61.39 54 eP	P	11 19 49.5 +2.7
H17A	Grant Village	61.41 54 eP	P	11 19 49.6 +2.7
H17A	Grant Village	61.41 54 P	P	11 19 49.7 +2.7
PAGB	Antelope Grade	61.42 67 eP	P	11 19 47.8 +0.9
IMW	Indian Meadow	61.53 55 eP	P	11 19 49.5 +1.6
FLMY	Flint Ranch	61.54 55 eP	P	11 19 49.5 +1.6
RLMT	Red Lodge	61.63 53 eP	P	11 19 49.8 +1.3
RLMT	Red Lodge	61.63 53 P	P	11 19 49.9 +1.5
FXWY	Fox Creek	61.66 55 eP	P	11 19 50.1 +1.5
MOOW	Moose Ponds	61.74 55 eP	P	11 19 50.8 +1.7
TIN	Tinemaha, Big	61.79 65 P	P	11 19 50.5 +1.1
TPAW	Teton Pass	61.79 55 eP	P	11 19 51.3 +1.7
SMMC	Simmer	61.85 68 P	P	11 19 51.6 +1.8
HVU	Hansel Valley	61.90 58 eP	P	11 19 51.3 +1.1
HVU	Hansel Valley	61.90 58 eP	P	11 19 51.3 +1.1
LOHW	Long Hollow	61.90 55 eP	P	11 19 51.9 +1.6
REDW	Red Top Meadow	61.93 55 eP	P	11 19 52.2 +1.7
DGMG	Dagmar	62.02 48 eP	P	11 19 51.5 +0.8
YES	Vestal, Richgr	62.06 67 P	P	11 19 51.1 0.0
AHD	Auburn Hatcher	62.19 56 eP	P	11 19 52.9 +0.8
LAO	LASA Array	62.19 50 eP	P	11 19 53.2 +1.3
LAO	LASA Array	62.19 50 P	P	11 19 53.4 +1.5
PKM	Mcherson Peak	62.24 68 P	P	11 19 52.8 +0.2
CWC	Cottonwood Cre	62.28 65 eP	P	11 19 53.1 +0.3
BGU	Big Grassy Moo	62.31 59 eP	P	11 19 53.8 +0.9
GRAC	Grapevine Rang	62.35 65 P	P	11 19 54.1 +1.0
KBL	Kabul	62.38 292 eP	P	11 19 52.4 -1.2
KBL	Kabul	62.38 292 eP	P	11 19 52.4 -1.2
SPUT	South Promonto	62.39 58 eP	P	11 19 54.6 +1.2
R11A	Troy Canyon, C	62.52 62 eP	P	11 19 55.1 +0.7
R11A	Troy Canyon, C	62.52 62 P	P	11 19 55.1 +0.7
ISA	Isabella, Lake	62.55 66 eP	P	11 19 54.0 -0.5
ISA	Isabella, Lake	62.55 66 eP	P	11 19 54.1 -0.5
KULM	Kulim	62.63 245 eP	P	11 19 55.8 +0.7
DAC	Darwin (Calif)	62.69 65 eP	P	11 19 55.8 +0.2
DAC	Darwin (Calif)	62.69 65 eP	P	11 19 55.8 +0.2
HWUT	Hardware Ranch	62.69 57 eP	P	11 19 56.6 +1.1
PBA	Port Blair	62.72 256 eP	I Amb	11 19 55.3 -0.4
COEN	Coen	62.83 192 eP	P	11 19 56.5 +0.2
MPMC	Manual Prosep	62.89 65 P	P	11 19 57.5 +0.6
DUG	Dugway, Tooele	62.92 59 eP	P	11 19 58.1 +1.1
DUG	Dugway, Tooele	62.92 59 eP	P	11 19 58.1 +1.1
DUG	Dugway, Tooele	62.92 59 P	P	11 19 58.1 +1.1
FURC	Furnace Creek	63.00 65 P	P	11 19 58.4 +1.0
FINES	FINESS Array B	63.02 335 P	P	11 19 55.9 -1.1
FINES	FINESS Array B	63.02 335 P	P	11 20 33.9 -0.6

FINES	FINESS Array B	63.02 335 eP	P	11 19 56.4 -0.7
FINES	FINESS Array B	63.02 335 eP	P	11 19 56.4 -0.7
BW06	Boulder Array	63.04 55 eP	P	11 19 58.5 +0.7
BW06	Boulder Array	63.04 55 P	P	11 19 58.6 +0.7
PDAR	Pinedale Array	63.04 55 P	P	11 19 58.6 +0.7
PDAR	Pinedale Array	63.04 55 eP	P	11 19 58.3 +0.5
IPM	Iloh	63.04 244 eP	P	11 19 57.7 -0.2
TPNV	Topopah Spring	63.05 64 eP	P	11 19 58.7 +0.7
TPNV	Topopah Spring	63.05 64 eP	P	11 19 58.7 +0.7
TPNV	Topopah Spring	63.05 64 P	P	11 19 58.6 +0.7
OSI	Osito Audit: C	63.09 67 eP	P	11 19 58.8 +0.7
OSI	Osito Audit: C	63.09 67 P	P	11 19 58.9 +0.7
TCUT	Toone Canyon	63.11 58 eP	P	11 19 59.6 +1.2
LRMC	Laure Mtn Rad	63.16 66 eP	P	11 19 58.9 +0.3
CTU	Camp Tract	63.20 58 eP	P	11 19 59.7 +0.9
EDW2	Edwards Air Fo	63.37 67 P	P	11 20 00.4 +0.5
SFJD	Kangerlussuaq	63.42 11 eP	P	11 19 59.4 -0.2
SFJD	Kangerlussuaq	63.42 11 i P	P	11 19 59.4 -0.2
SFJD	Kangerlussuaq	63.42 11 i P	P	11 19 59.4 -0.2
PSUT	Pine Spring	63.42 61 eP	P	11 20 01.1 +0.7
JLU	Jordan Valley	63.43 58 eP	P	11 20 01.2 +0.7
NLU	North Lily Min	63.50 59 eP	P	11 20 01.8 +0.8
MYK0K	Kota Tinggi	63.54 240 eP	P	11 20 02.0 +0.9
DECC	Green Verdugo	63.57 67 P	P	11 20 01.6 +0.4
MPU	Maple Canyon	63.71 59 eP	P	11 20 02.3 +0.8
PASC	Pasadena Art C	63.72 67 eP	P	11 20 02.3 +0.1
SHOC	Shoshone, Teco	63.73 65 P	P	11 20 02.9 +0.6
NSS	Nansos	63.74 343 eP	P	11 20 01.8 0.0
GSC	Goldstone, Ba	63.81 66 eP	P	11 20 03.1 +0.2
GSC	Goldstone, Ba	63.81 66 eP	P	11 20 03.1 +0.2
GSC	Goldstone, Ba	63.81 66 P	P	11 20 03.4 +0.5
BFSC	Mount Baldy Ra	64.00 67 P	P	11 20 04.3 +0.1
SHRP	Sheep Range	64.00 64 eP	P	11 20 05.0 +0.8
CISU	Catalina Islan	64.09 68 P	P	11 20 04.6 -0.1
TCRU	Three Creeks R	64.19 60 eP	P	11 20 06.6 +1.1
TUQ	Turquoise Moun	64.26 65 P	P	11 20 06.6 +0.7
MTN	Mountain Dam	64.36 205 eP	P	11 20 05.8 -0.7
CCUT	Cedar City	64.36 62 eP	P	11 20 07.6 +0.9

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like FETA Feichten, T50A Nancy, BOJS Bojanci, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like FOR Forest, X52A Dahlonaga, Y51A Rockmart, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like SFK 28nm,0.5s, SFK 112nm,0.5s, etc.

SOME 14 11:10:22.9,40'10N;75:87E, h0km
KRNET 14 11:10:27.5:0.1, 40:27N;75:65E, h16km, mb3.5
NINC 14 11:10:27.7:2.8, 40:24N;75:79E, h0km, mb4.0, mpv3.6
Error ellipse: s-maj=23.7km s-min=10.1km az=140.0
ISC 14 11:10:28.4:1.1, 40:28N;100:05:75:76E:0.03, h10km, n60,
e1558/101,30C-20D, Krgyzstan-Xinjiang border region

ILB	Eielson Array	47.20 33	eP	P	11 20 04.7 -0.8
BRDH	Bariadhala	47.41 267	P	P	11 20 09.2 +1.6
BRDH	comp-Z,175nm,0.3s,baz=99,slow=23,SNR=6.6			S	11 27 10.7 +1.0
KLU	Klutina	47.78 374	eP	P	11 20 10.4 +0.3
SPSI	Sidrap Palu	47.79 217	eP	P	11 20 10.7 +0.1
FYU	Fort Yukon	47.88 31	eP	P	11 20 11.8 +1.1
DIV	Divide	47.88 38	eP	P	11 20 11.7 +0.8
PAX	Paxson	47.89 35	eP	P	11 20 12.3 +1.3
PAX	Paxson	47.89 35	eP	P	11 20 12.3 +1.3
BBSI	Bau Bau	48.00 210	P	P	11 20 13.3 +1.1
BNSI	Bone	48.03 213	P	P	11 20 13.9 +1.5
HARP	HAARP	48.06 36	eP	P	11 20 13.1 +0.8
KSM	Kuching	48.10 229	eP	P	11 20 14.2 +1.2
SHLS	Shalkode	48.35 298	ij/P	P	11 20 12.8 -2.0
SHLS	comp-Z,60nm,1.5s			eS	11 27 10.6 -3.0
SHLS	comp-Z,69nm,14.4s			LR	11 40 46.6
BMRM	Bremer River	48.47 38	eP	P	11 20 16.0 +0.7
DOT	Dot Lake	48.48 34	eP	P	11 20 15.4 -0.1
RAGM	Ragged Mountai	48.49 39	eP	P	11 20 15.3 -0.3
SCRK	Sand Creek	48.49 34	eP	P	11 20 14.9 -0.7
TDK	Taldygorghan	48.54 300	eP	P	11 20 16.4 +0.3
TDK	comp-Z,2um,17.3s			eS	11 27 17.2 +1.2
TDK	comp-Z,2um,17.3s			LR	11 40 55.4
STKI	Sintang	48.56 226	P	P	11 20 17.3 +0.8
UZB	Uzymbulak	48.66 298	ij/P	P	11 20 17.4 +0.1
UZB	comp-Z,24nm,1.2s			eS	11 27 18.9 +0.8
UZB	comp-Z,219nm,13.6s			LR	11 41 55.6
ODAN	Odare	48.67 274	eP	P	11 20 18.4 +0.8
KAPI	Kappang	48.74 214	PFAKE	LR	11 20 30.0 +1.2
KAPI	comp-Z,354nm,22.0s			LR	
KPKS	Kokpek	48.80 298	ij/P	P	11 20 18.6 +0.4
KPKS	comp-Z,108nm,1.6s			eS	11 27 21.2 +1.3
KPKS	comp-Z,778nm,14.0s			LR	
BKSI	Bulukumba	48.85 213	P	P	11 20 19.4 +0.7
KBKI	Kotabaru	48.89 219	P	P	11 20 19.4 +0.3
ZHN	Zhinishke	49.06 298	ij/P	P	11 20 20.6 +0.3
ZHN	comp-Z,37nm,1.3s			eS	11 27 24.8 +1.2
SATY	Saty	49.12 298	ij/P	P	11 20 21.4 +0.6
SATY	comp-Z,76nm,1.7s			eS	11 27 25.8 +1.4
SATY	comp-Z,374nm,14.8s			LR	11 42 14.4
JIRN	Jiri	49.23 276	eP	P	11 20 22.9 +0.8
RAMN	Ramite	49.25 275	eP	P	11 20 22.7 +0.6
PRZ	Przheval'sk	49.30 297	eP	P	11 20 23.7 +1.5
PRZ	comp-Z,120nm,0.9s			LR	
PRZ	Przheval'sk	49.30 297	eP	P	11 20 23.7 +1.5
PRZ	comp-Z,3um,18.0s			pmax	
PRZ	comp-Z,120nm,0.9s			MLR	
TGL	Tana Glacier	49.35 38	eP	P	11 20 23.2 +1.0
GUN	Gumbuz	49.36 276	eP	P	11 20 23.9 +0.9
BALM	Baldy	49.55 38	eP	P	11 20 23.9 +0.2
BALM	Baldy	49.55 38	eP	P	11 20 23.9 +0.2
BALM	comp-Z,63nm,1.0s			pmax	
HNR	Honiara	49.62 160	PFAKE	LR	11 20 40.0 +1.5
HNR	comp-Z,1um,20.0s			LR	
EGAK	Eagle	49.65 33	eP	P	11 20 24.5 +0.1
EGAK	comp-Z,44nm,1.3s			LR	
KKN	Kakani	49.89 276	eP	P	11 20 27.7 +0.8
PKI	Pulchoki	49.89 276	eP	P	11 20 27.3 +0.3
PKIN	Pulchoki	49.90 276	eP	P	11 20 27.1 +0.1
MDOK	Medec	50.03 298	i/P	P	11 20 28.4 +0.7
MDOK	comp-Z,1um,4.3s			i/S	11 27 38.6 +1.4
MDOK	comp-Z,878nm,17.3s			LR	11 41 54.4
AAA	Alma-Ata	50.10 298	eP	P	11 20 28.8 +0.6
AAA	comp-Z,81nm,1.5s			eS	11 27 39.5 +1.4
AAA	comp-Z,766nm,17.7s			LR	11 41 56.9
AAA	Alma-Ata	50.10 298	eP	P	11 20 27.9 -0.3
AAA	comp-Z,300nm,5.4s			eS	11 27 41.4 +3.3
AAA	comp-E,700nm,5.3s			pmax	
AAA	comp-Z,900nm,19.0s			MLR	
DMN	Dama	50.11 276	eP	P	11 20 29.1 +0.5
SKLT	Songkhla	50.15 243	P	P	11 20 30.3 +1.6
KUU	Kurty	50.28 299	ij/P	P	11 20 29.4 0.0
KUU	comp-Z,122nm,1.4s			eS	11 27 41.2 +0.6
TRTT	Trang	50.34 245	P	P	11 20 31.6 +1.4
DAWY	Dawson	50.50 34	eP	P	11 20 31.6 +0.7
PBKI	Pangkalan Bun	50.73 224	P	P	11 20 33.1 0.0
DANN	Dangsing	50.81 278	eP	P	11 20 35.1 +1.1
BRZS	Berezniaki	50.91 308	ij/P	P	11 20 33.1 -1.0
BRZS	comp-Z,98nm,1.6s			eS	11 27 49.7 +0.7
BRZS	comp-Z,240nm,13.0s			LR	11 42 54.6
MMRI	Maumere	51.01 209	P	P	11 20 35.5 +0.4
MMRI	comp-Z,345nm,1.2s			eP	11 20 35.2 +0.1
TKM2	Tokmak 2	51.11 298	P	P	11 20 36.8 +0.8
KOLN	Koldanda	51.21 277	eP	P	11 20 37.5 +0.6
PKDT	Phuket	51.27 246	eP	P	11 20 38.6 +1.4
EPYK	Eagle Plains	51.30 30	P	P	11 20 37.0 +0.2
SOEI	Soe	51.32 206	P	P	11 20 38.1 +0.5
SOEI	comp-Z,337nm,1.0s			eP	11 20 37.0 -0.5
EDFI	Ende, Flores	51.32 209	P	P	11 20 37.1 -0.5
NRN	Naryn	51.34 296	eP	P	11 20 38.5 +0.8
NRN	comp-Z,27nm,0.9s			LR	
NRN	Naryn	51.34 296	eP	P	11 20 38.6 +0.8
NRN	comp-Z,27nm,0.9s			pmax	
NRN	Naryn	51.34 296	eP	P	11 20 38.5 +0.8
NRN	comp-Z,3um,21.0s			MLR	
BOK	Bokaro	51.36 272	eP	P	11 20 38.1 +0.3
BOK	comp-Z,45nm,0.4s			IAMB	
KULM	Kulim	51.46 242	eP	P	11 20 39.2 +0.6

KULM	comp-Z,700nm,19.0s			LR	
BTLS	Baital	51.48 301	ij/P	P	11 20 38.1 -0.3
BTLS	comp-Z,31nm,1.9s			i/S	11 27 57.5 +0.5
BTLS	comp-Z,220nm,12.1s			LR	11 44 14.9
PYUN	Piuthan	51.53 278	eP	P	11 20 40.0 +0.7
BRVK	Borovoye	51.54 312	eP	P	11 20 38.7 -0.1
BRVK	comp-Z,2um,18.0s			LR	
BRVK	Borovoye	51.54 312	eP	P	11 20 39.6 +0.8
BRVK	comp-Z,84nm,1.3s			pmax	
KZA	Kyzart	51.64 297	P	P	11 20 41.7 +1.5
KBK	Karagaybulak	51.65 299	P	P	11 20 40.7 +0.8
CHMS	Chumysh	51.67 299	P	P	11 20 40.0 +0.1
USP	Openovka	51.75 299	P	P	11 20 41.2 +0.7
IPM	Ippoh	51.78 241	eP	P	11 20 41.0 0.0
IPM	comp-Z,55nm,0.9s			LR	
OPA	Opama	51.78 91	eP	P	11 20 40.7 -0.3
OPA	comp-Z,170nm,1.0s			eP	11 20 40.7 -0.3
FRU1	Bishkek	51.82 299	eP	P	11 20 42.3 +1.2
FRU1	comp-Z,2um,19.0s			LR	
FRU1	Bishkek	51.82 299	eP	P	11 20 42.3 +1.2
FRU1	comp-Z,132nm,1.3s			pmax	
FRU1	Bishkek	51.82 299	i/P	P	11 20 40.0 -1.0
FRU1	comp-Z,2um,19.0s			e	11 28 04.0
FRU1	comp-Z,132nm,1.3s			pmax	11 28 18.0
MYKOM	Kota Tinggi	51.88 236	eP	P	11 20 42.6 +1.0
MYKOM	comp-Z,91nm,1.4s			LR	
HYT	Hainei Junctio	51.91 38	eP	P	11 20 42.6 +1.1
KIP	Kipapa	51.92 92	eP	P	11 20 43.0 +1.0
KIP	comp-Z,71nm,1.0s			eP	11 20 44.3 +2.3
KIP	Kipapa	51.92 92	eP	P	11 20 44.3 +2.3
BATI	Baumata	51.95 206	P	P	11 20 40.5 -1.6
COEN	Coen	51.95 181	eP	P	11 20 41.8 -0.3
AAK	Ala-Archa	51.97 298	P	P	11 20 42.8 +0.4
KSH	Kashi	52.05 294	P	P	11 20 47.3 +4.4
KSH	comp-Z,93nm,1.1s			sP	11 20 57.9 +4.3
KSH	comp-Z,1um,6.0s			PP	11 22 49.0 +8.1
KSH	comp-Z,3um,14.6s			S	11 28 12.0 +6.8
KSH	comp-Z,3um,14.6s			pmax	
TPRI	Tanjung Pinang	52.10 234	P	P	11 20 44.7 +1.3
INVK	Inuvik	52.23 28	eP	P	11 20 44.1 +0.5
INVK	comp-Z,50nm,1.2s			eP	11 20 44.1 +0.5
MTN	Manton Dam	52.32 196	eP	P	11 20 43.9 -0.9
AML	Almayashu	52.70 298	P	P	11 20 49.2 +1.1
PBA	Port Blair	52.94 254	eP	P	11 20 49.8 +0.2
TPI	Tanjungpandan	53.06 228	iAMB	IAMB	11 20 58.0 +0.4
DSRI	Dabo	53.14 233	P	P	11 20 52.6 +1.5
BWNR	Bhubaneswar	53.27 268	eP	P	11 20 52.7 +0.7
SKAG	Skagway	53.29 39	eP	P	11 20 53.2 +1.7
TWSI	Taliwang Sumb	53.32 215	P	P	11 20 51.0 -1.3
KHLH	Kahului Airport	53.45 91	eP	P	11 20 53.9 +0.6
PPBI	Pangkal Pinang	53.49 230	P	P	11 20 54.7 +1.1
SRBI	Singaraja	53.51 217	P	P	11 20 54.2 +0.5
BESE	Bese Mountai	53.75 40	eP	P	11 20 56.4 +1.3
DZA	Taraz	54.06 300	eP	P	11 20 57.8 +0.2
DZA	comp-Z,47nm,1.6s			eS	11 28 33.3 +1.0
JIS	Juneau Island	54.07 40	eP	P	11 20 58.6 +1.3
DDI	Dehra Dun	54.32 283	eP	P	11 20 58.9 -0.8
PSI	Prapat	54.43 241	eP	P	11 21 01.0 +0.3
PSI	comp-Z,26nm,0.8s			LR	
PSI	Prapat	54.43 241	eP	P	11 21 01.0 +0.3
PSI	comp-Z,800nm,18.0s			pmax	
PSI	comp-Z,26nm,0.8s			MLR	
KK31	Karatay Array	54.54 300	eP	P	11 21 01.1 +0.1
KK31	Karatay Array	54.54 300	eP	P	11 21 01.1 +0.1
KKAR	Karatay Array	54.54 300	eP	P	11 21 01.1 +0.1
KKAR	Karatay Array	54.54 300	eP	P	11 21 01.2 +0.1
SMLA	Simla	54.63 284	eP	P	11 21 01.6 -0.2
SMLA	comp-Z,111nm,0.8s			IAMB	11 21 05.4
NGJI	Ngaw	54.76 221	P	P	11 21 04.5 +1.7
POHA	Pohakuloa	54.77 92	eP	P	11 21 04.1 +0.8
POHA	comp-Z,1um,22.0s			LR	
DHRM	DHARAMSHALA	54.79 286	eP	P	11 21 02.8 -0.4
DHRM	comp-Z,183nm,1.3s			IAMB	11 21 06.8
BKNI	Bangkinang	54.82 237	P	P	11 21 04.2 +0.9
KHU	Kahuku	54.99 92	eP	P	11 21 05.9 +1.1
KHU	comp-Z,388nm,1.3s			pmax	
BRLS	Boroloy	55.02 300	i/S	S	11 28 48.7 +3.4
AIN	Ainahu	55.04 92	eP	P	11 21 07.2 +2.1
CMBY	CAMPBELL BAY	55.08 249	eP	P	11 21 05.2 +0.1
WRMH	West Rim	55.15 92	PFAKE	LR	11 21 00.0 +1.4
IUG	Iuzhnyy	55.23 299	ij/P	P	11 21 06.5 +0.4
IUG	comp-Z,2um,22.0s			eS	11 28 49.4 +1.2
IUG	comp-Z,69nm,1.6s			LR	11 46 57.3
CHM	Chimkent	55.45 300	eP	P	11 21 08.0 +0.3
CHM	comp-Z,64nm,2.5s			LR	11 46 49.8
SDSI	Sungai Dareh	55.51 236	P	P	11 21 08.7 +0.4
UGM	Uwanagama	55.71 222	eP	P	11 21 09.0 -0.7
UGM	comp-Z,468nm,1.3s			eP	11 21 09.0 -0.7
CJJI	Jatiwangi	55.74 225	P	P	11 21 14.6 +4.7
SVE	Sverdlowski	55.78 319	eP	P	11 21 10.2 +0.5
SVE	comp-Z,229nm,0.9s			pmax	11 28 51.6 -3.3
SVE	comp-Z,2um,16.0s			MLR	
SVE	comp-E,3um,16.0s			MLR	

KPJI	Karang Pucung	56.08 224	P	P	11 21 12.1 -0.2
DLBC	Dease Lake	56.21 39	eP	P	11 21 14.2 +1.3
GSI	Gunungsitoli	56.44 241	eP	P	11 21 15.8 +0.8
GSI	Gunungsitoli	56.44 241	eP	P	11 21 15.3 +0.4
MDSI	Maura Dua	56.52 230	P	P	11 21 15.6 +0.1
VIS	Vishakhapatnam	56.54 267	i/P	P	11 21 15.4 -0.9
MASI	Maura Aman, Be	56.67 233	P	P	11 21 16.9 +0.3
FUNA	Funafuti	56.74 138	PFAKE	LR	11 21 30.0 +1.3
FUNA	comp-Z,6um,20.0s			LR	
ARU	Arti	57.00 319	P	P	11 21 18.9 +0.5
ARU	comp-Z,67nm,0.8s,baz=72,slow=4.3,SNR=39			P	
ARU	Arti				

14d 11h

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like DAG, D03A, B05A, PALK, B06A, GYET, GYA0B, TRO, D05A, G03D, C06D, LON, LON, I02D, COR, COR, LTY, AFI, J01E, H04D, B08A, I03D, F05D, H04A, K02D, G05D, I04A, E07A, L02E, TRD, HUMO, G06A, C09A, I05D, HAWA, D08A, F07A, J04D, JCC, E08A, KHM, NEW, NEW, NEW, NEW, MOS, MOS, MOS, YBH, YBH, L04D, PINE, M02C, J05D, K04D, KMRM, E09A, N02D, G08A, VRH, VRH, VRH, KCPM, M04C, PUL, K05A, WDC, WDC, I07A, I07A, OBN.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like OBN, OBN, OBN, OBN, O20D, ARMA, F10A, FIA1, FINE, FINE, FINE, LPSR, LPSR, LPSR, WALA, HOPS, O03E, MOD, GDXM, VORR, VORR, BMO, BMO, BMO, BMO, SUMG, SUMG, SUMG, JTMT, J08A, MAK, MAK, MAK, VSR, VSR, VSR, VSR, VORD, VORD, VORD, ORV, ORV, ORV, STKA, WVOR, WVOR, WVOR, WVOR, MSO, MSO, AKT, AKT, AKT, BEKR, MNCI, MNCY, FORT, AFDM, GROC, GROC, GROC, VSU, VSU, VSU, RUBR, NSS, PAHR, GOF, GOF, VCMR, HMDM, SCO, SCO, BBOO, PNTR, CMB, CMB, SAO, FFC, FFC, FFC, HRY, YERR, WAKR, LRM, DGR, DGR, DGR, EGMT, EGMT.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like EGMT, DLMT, ZEI, ZEI, HLID, HLID, FCC, FCC, KVAR, KIV, KIV, KIV, KIV, KIBZ, BNM, BNM, BNM, TBGL, TBGL, TBGL, TBGL, RYN, KVN, KVN, KVN, ONI, ONI, ONI, BOZ, BOZ, BOZ, BOZ, NV01, NVAR, NVAR, NVAR, TRLG, TBLU, NV11, MLAC, IZAR, IZAR, PAGB, IDID, IDID, MICGM, MICGM, MICGM, MICGM, MICGM, MNC, MNC, MNC, MNC, ISAL, ISAL, QLMT, WSAR, GNI, GNI, GNI, GNI, GNI, GNI, SLIT, SLIT, AKH, AKH, AKH, AKH, AKH, AKH, AKH, BGD, IIGN, IIGN, YHB, YHB, BIDO, BANOM, BANOM, SMCM, SHME, YHH.

YMR	Madison River	73.16	46	eP	P	11 23 05.1 +1.3
GCMT	Greycliff	73.20	45	eP	P	11 23 04.4 +0.4
TIN	Tinemaha, Big	73.22	56	P	P	11 23 05.7 +1.5
TASB	TASBURUN-IGDIR	73.25 308	eP	P	P	11 23 05.3 +1.0
CAN	Canberra	73.33 176	eP	P	P	11 23 04.5 0.0
CAN	Canberra	73.33 176	eP	Pmax	Pmax	11 23 04.5 0.0
YES	Vestal, Richgr	73.35 57	P	P	P	11 23 05.2 +0.3
PKM	McPherson Peak	73.42 59	P	P	P	11 23 07.4 +1.9
MSFE	Esma-Masafi	73.44 289	iP	P	P	11 23 06.1 +0.5
YPP	Pitchstone Pla	73.49 46	eP	P	P	11 23 07.0 +1.1
LKWY	Lake	73.54 46	eP	P	P	11 23 07.7 +1.5
LKWY	Grant Village	73.55 46	eP	P	P	11 23 08.1 +1.9
H17A	Grant Village	73.55 46	P	P	P	11 23 08.8 +2.6
IMW	Indian Mtn	73.64 47	eP	P	P	11 23 07.7 +0.8
UOSS	Minazif	73.65 289	eP	P	P	11 23 06.5 -0.3
UOSS	Minazif	73.65 289	P	P	P	11 23 06.0 -0.8
UOSS	Minazif	73.65 289	iP	P	P	11 32 36.4 +0.4
UOSS	Minazif	73.65 289	iP	P	P	11 23 07.7 +0.2
FLWY	Flagg Ranch	73.67 47	eP	P	P	11 23 08.6 +1.7
CWC	Cottonwood Crs	73.67 56	P	P	P	11 23 08.1 +1.1
DOMB	Dombas	73.73 340	eP	P	P	11 23 06.9 +0.2
NC405	NORSAR Array S	73.74 338	eP	P	P	11 23 06.3 -0.4
SBC	Santa Barbara	73.74 59	P	P	P	11 23 09.1 +1.9
FXWY	Fox Creek	73.75 47	eP	P	P	11 23 08.0 +0.6
NC303	NORSAR Array S	73.75 338	eP	P	P	11 23 06.5 -0.3
HATD	Hatta, Dubai	73.77 289	P	P	P	11 23 07.8 +0.2
HATD	Hatta, Dubai	73.77 289	iP	P	P	11 32 37.6 +0.3
HATD	Hatta, Dubai	73.77 289	iP	P	P	11 23 08.0 +0.5
GRAC	Grapevine Rang	73.81 56	P	P	P	11 23 09.3 +1.6
RLMT	Red Lodge	73.84 45	eP	P	P	11 23 08.7 +0.9
RLMT	Red Lodge	73.84 45	P	P	P	11 23 09.2 +1.4
MOOW	Moose Ponds	73.84 47	eP	P	P	11 23 08.1 +0.2
HVU	Hansel Valley	73.85 49	eP	P	P	11 23 08.5 +0.6
ISA	Isabella, Lake	73.86 57	eP	P	P	11 23 07.6 -0.4
ISA	Isabella, Lake	73.86 57	P	P	P	11 23 08.5 +0.6
SOHO	SOHO	73.86 288	iP	P	P	11 23 08.4 +0.4
TPAW	Teton Pass	73.88 47	eP	P	P	11 23 07.5 -0.7
NC204	NORSAR Array S	73.88 339	eP	P	P	11 23 07.1 -0.5
ASHO	Ashiyah	73.91 289	P	P	P	11 23 08.4 0.0
ASHO	Ashiyah	73.91 289	iP	P	P	11 32 40.1 +1.2
ASHO	Ashiyah	73.91 289	iP	P	P	11 23 09.0 +0.6
NB201	NORSAR Array S	73.91 338	eP	P	P	11 23 06.7 -1.0
ARVC	Arvin	73.94 58	P	P	P	11 23 09.3 +0.9
CLDR	Caldiran	73.94 307	eP	P	P	11 23 09.7 +1.1
NB2	NORSAR Subarra	73.94 338	P	P	P	11 23 07.3 -0.6
NOA	NORSAR Array B	73.94 338	P	P	P	11 23 07.4 -0.5
NOA	NORSAR Array B	73.94 338	P	P	P	12 00 25.8
LOHW	Long Hollow	74.01 47	eP	P	P	11 23 08.8 0.0
REDW	Red Top Meadow	74.02 47	eP	P	P	11 23 08.2 -0.7
NAZ	Nazwa, Dubai	74.03 289	P	P	P	11 23 08.9 -0.1
NAZ	Nazwa, Dubai	74.03 289	iP	P	P	11 23 09.3 +0.3
SCZ2	Santa Cruz Isl	74.05 59	P	P	P	11 23 10.0 +0.9
NB000	NORSAR Array S	74.08 338	eP	P	P	11 23 08.3 -0.4
DAC	Darwin (Calif)	74.08 56	eP	P	P	11 23 09.7 +0.3
DAC	Darwin (Calif)	74.08 56	eP	Pmax	Pmax	11 23 09.7 +0.3
NC602	NORSAR Array S	74.09 338	eP	P	P	11 23 08.3 -0.5
R11A	Troy Canyon, C	74.16 54	P	P	P	11 23 10.1 +0.3
R11A	Troy Canyon, C	74.16 54	P	P	P	11 23 10.6 +0.8
AKN	Aaknes	74.17 341	eP	P	P	11 23 10.4 +1.2
NA001	NORSAR Array S	74.20 338	eP	P	P	11 23 08.9 -0.5
EGU	Big Grassy Mou	74.21 50	P	P	P	11 23 10.7 +0.7
FAQ	Al Faqa, Dubai	74.22 289	iP	P	P	11 23 10.2 +0.1
AHID	Auburn Hatcher	74.24 48	eP	P	P	11 23 09.9 -0.3
AHID	Auburn Hatcher	74.24 48	eP	P	P	11 23 11.8 +1.4
AGRB	Manur-Agry	74.26 308	eP	P	P	11 23 11.2 +0.7
MPMC	Manual Prospec	74.26 56	P	P	P	11 23 11.2 +0.7
OSI	Osito Audit: C	74.30 58	eP	P	P	11 23 11.4 +0.8
OSI	Osito Audit: C	74.30 58	P	P	P	11 23 12.0 +1.4
SPUT	South Promonto	74.33 50	eP	P	P	11 23 11.8 +1.1
ANN	Anapa	74.35 315	dIP	P	P	11 23 10.0 -0.5
ANN	Anapa	74.35 315	dIP	P	P	11 23 20.8 -0.7
ANN	Anapa	74.35 315	dIP	P	P	11 32 43.2 0.0
ANN	Anapa	74.35 315	dIP	P	P	11 33 12.7
BLG	Laguna Brook	74.37 59	P	P	P	11 23 11.8 +0.9
DGMT	Dagmar	74.41 40	eP	P	P	11 23 11.1 +0.1
DGMT	Dagmar	74.41 40	eP	P	P	11 23 11.1 +0.1
DGMT	Dagmar	74.41 40	P	P	P	11 23 11.0 +0.1
FURC	Furnace Creek	74.45 56	P	P	P	11 23 12.7 +1.5
SFJD	Kangerlussuaq	74.45 6	P	LR	LR	11 58 58.5
SFJD	Kangerlussuaq	74.45 6	P	P	P	11 23 09.9 -0.8
SFJD	Kangerlussuaq	74.45 6	eP	P	P	11 23 09.4 -1.3
SFJD	Kangerlussuaq	74.45 6	eP	Pmax	Pmax	11 23 09.4 -1.3
SFJD	Kangerlussuaq	74.45 6	eP	Pmax	Pmax	11 23 09.4 -1.3
ASUD	Al Ashush, Dub	74.48 289	iP	P	P	11 23 12.3 +0.7
LRMC	Laurel Mtn Rad	74.49 57	P	P	P	11 23 12.4 +0.6
ALNE	Al Ain	74.49 288	iP	P	P	11 23 12.1 +0.4
LAO	LASA Array	74.51 42	eP	P	P	11 23 11.8 +0.2
LAO	LASA Array	74.51 42	eP	P	LR	11 23 11.8 +0.2

LAO	LASA Array	74.51 42	P	P	P	11 23 12.5 +1.0
SNCC	San Nicolas Is	74.56 60	eP	P	P	11 23 13.3 +1.4
SNCC	San Nicolas Is	74.56 60	eP	P	P	11 23 12.8 +0.8
TPNV	Topopah Spring	74.56 55	eP	P	P	11 23 12.3 +0.2
TPNV	Topopah Spring	74.56 55	P	P	P	11 23 13.4 +1.2
YANB	Van	74.60 307	eP	P	P	11 23 13.7 +1.4
EDW2	Edwards Air Fo	74.64 58	eP	P	P	11 23 14.0 +1.5
HWUT	Hardware Ranch	74.67 49	eP	P	P	11 23 12.7 0.0
HWUT	Hardware Ranch	74.67 49	eP	LR	LR	11 23 12.7 0.0
CHOM	Cayelli-Rize	74.70 310	eP	P	P	11 23 13.5 +0.8
AKASG	Main Array B	74.74 323	P	P	P	11 23 12.2 -0.5
AKASG	Main Array B	74.74 323	eP	LR	LR	11 59 50.8
AKASG	Main Array B	74.74 323	eP	Pmax	Pmax	11 23 12.5 -0.2
AKASG	Main Array B	74.74 323	eP	Pmax	Pmax	11 23 12.5 -0.2
AKKB	Main Array S1	74.74 323	eP	LR	LR	11 23 12.2 -0.5
AKKB	Main Array S1	74.74 323	eP	LR	LR	11 23 12.2 -0.5
AKKB	Main Array S1	74.74 323	eP	Pmax	Pmax	11 23 12.2 -0.5
AKKB	Main Array S1	74.74 323	eP	Pmax	Pmax	11 23 12.2 -0.5
AKKB	Main Array S1	74.74 323	eP	Pmax	Pmax	11 23 12.2 -0.5
KIEV	Kiev	74.75 323	eP	P	P	11 23 12.4 -0.3
KIEV	Kiev	74.75 323	eP	LR	LR	11 23 12.4 -0.3
KIEV	Kiev	74.75 323	eP	Pmax	Pmax	11 23 12.4 -0.3
KIEV	Kiev	74.75 323	eP	Pmax	Pmax	11 23 12.4 -0.3
KIEV	Kiev	74.75 323	eP	MLR	MLR	11 23 12.4 -0.3
DECC	Green Verdugo	74.78 58	P	P	P	11 23 14.6 +1.3
DUG	Dugway, Tooele	74.78 51	eP	P	P	11 23 13.9 +0.6
DUG	Dugway, Tooele	74.78 51	eP	LR	LR	11 23 13.9 +0.6
DUG	Dugway, Tooele	74.78 51	eP	Pmax	Pmax	11 23 13.9 +0.6
DUG	Dugway, Tooele	74.78 51	eP	Pmax	Pmax	11 23 13.9 +0.6
DUG	Dugway, Tooele	74.78 51	eP	MLR	MLR	11 23 13.9 +0.6
DUG	Dugway, Tooele	74.78 51	eP	P	P	11 23 14.8 +1.5
AK11	Malin Array S1	74.78 323	eP	P	P	11 23 12.4 -0.6
PASC	Pasadena Art C	74.78 52	eP	P	P	11 23 13.9 -0.2
PASC	Pasadena Art C	74.78 52	eP	LR	LR	11 23 13.9 -0.2
TCUT	Toone Canyon	75.06 49	eP	P	P	11 23 16.3 +1.2
SUW	Suwalki	75.10 329	eP	P	P	11 23 14.3 -0.4
SUW	Suwalki	75.10 329	eP	P	P	11 23 15.6 +0.9
CTU	Camp Tracy	75.12 50	eP	P	P	11 23 15.2 -0.2
FMP	Fort Macarthur	75.12 59	P	P	P	11 23 16.0 +0.9
BW06	Boulder Array	75.13 47	eP	P	P	11 23 15.2 -0.2
BW06	Boulder Array	75.13 47	eP	LR	LR	11 23 15.2 -0.2
BW06	Boulder Array	75.13 47	P	P	P	11 23 16.1 +0.7
BW06	Boulder Array	75.13 47	P	P	P	11 23 16.1 +0.7
PD31	Pinedale Array	75.13 47	P	P	P	11 23 15.4 0.0
PDAR	Pinedale Array	75.13 47	P	P	P	11 23 15.5 0.0
PDAR	Pinedale Array	75.13 47	P	P	P	11 23 15.5 0.0
PSUT	Pineale Array	75.13 47	eP	P	P	11 23 15.1 -0.4
PSUT	Pineale Array	75.13 47	eP	P	P	11 23 16.1 +0.5
SHOC	Shoshone, Teco	75.17 56	P	P	P	11 23 16.5 +1.0
GSC	Goldstone, Bar	75.17 57	eP	P	P	11 23 15.6 0.0
GSC	Goldstone, Bar	75.17 57	eP	Pmax	Pmax	11 23 15.6 0.0
GSC	Goldstone, Bar	75.17 57	eP	Pmax	Pmax	11 23 15.6 0.0
GSC	Goldstone, Bar	75.17 57	eP	P	P	11 23 16.8 +1.2
NWAO	Narrogin (SRO)	75.19 203	eP	P	P	11 23 14.6 -0.7
NWAO	Narrogin (SRO)	75.19 203	eP	Pmax	Pmax	11 23 14.6 -0.7
NWAO	Narrogin (SRO)	75.19 203	eP	Pmax	Pmax	11 23 14.6 -0.7
CIS	Catalina Islan	75.22 59	P	P	P	11 23 16.8 +0.9
BFSC	Mount Baldy Ra	75.24 58	P	P	P	11 23 16.8 +0.8
RRX	Edison Barstow	75.30 57	P	P	P	11 23 17.3 +1.0
JLU	Jordanelle	75.36 50	eP	P	P	11 23 17.6 +0.9
KTUT	Katut	75.37 311	eP	P	P	11 23 16.9 +0.4
NLU	North Lily Min	75.37 51	eP	P	P	11 23 16.8 0.0
SC12	San Clemente I	75.38 60	P	P	P	11 23 17.5 +0.8
VRTB	Varto-Mtus	75.46 308	eP	P	P	11 23 19.1 +1.8
SHPR	Sheep Range	75.53 55	eP	P	P	11 23 18.0 +0.3
KONO	Kongsberg	75.55 338	eP	P	P	11 23 17.5 +0.4
MPU	Maple Canyon	75.61 50	eP	P	P	11 23 18.6 +0.5
TUQ	Turquoise Moun	75.67 56	P	P	P	11 23 19.6 +1.0
BBRC	Big Bear Solar	75.72 58	P	P	P	11 23 20.1 +1.2
HEC	Hector,Ludlow	75.77 57	P	P	P	11 23 19.3 +0.3
YEDI	Yedisu-Bingol	75.85 309	eP	P	P	11 23 20.5 +1.0
MURC	Murrieta	75.92 58	eP	P	P	11 23 20.8 +0.9
TCRU	Three Creeks R	75.97 52	eP	P	P	11 23 21.1 +0.8
ESPY	Espiye-Giresun	76.03 311	eP	P	P	11 23 19.5 -0.8
BNGB	Bing City	76.04 309	eP	P	P	11 23 20.5 -0.1
CCUT	Cedar City	76.04 53	eP	P	P	11 23 21.4 +0.6
SIM	Simferopol'	76.08 317	dIP	P	P	11 23 21.5 +1.0
SIM	Simferopol'	76.08 317	dIP	P	P	11 23 22.0 -1.4
SIM	Simferopol'	76.08 317	dIP	P	P	11 38 02.0 +7.3
SIM	Simferopol'	76.08 317	dIP	Pmax	Pmax	11 38 02.0 +7.3
BER	Bergen	76.12 340	eP	P	P	11 23 22.0 +1.6
ODD1	Odda	76.17 340	eP	P	P	11 23 21.5 +0.7
SZCU	Shurtz Canyon	76.17 59	eP	P	P	11 23 22.1 +0.6
MSU	Marysvalde	76.19 52	eP	P	P	11 23 22.6 +1.1
GMRC	Granite Mounta	76.24 57	P	P	P	11 23 22.8 +1.0
SVAN	Silver-Diyarba	76.24 308	eP	P	P	11 23 22.3 +0.7
FRD	Ford Ranch, An	76.38 58	P	P	P	11 23 23.7 +1.1
109C	Camp Elliot, M	76.41 59	P	P	P	11 23 23.6 +1.0
CPE	Camp Elliot	76.41 59	eP	P	P	11 23 23.1 +0.5
PFO	Pinyon Flats O	76.41 58	eP	LR	LR	

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Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, and other parameters. Includes entries like Wickenburg, Paradox Valley, Wupatki, etc.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, and other parameters. Includes entries like Dobruska-Polom, Arges, Great Sand Dun, etc.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, and other parameters. Includes entries like The Farm, Brul, Isle Royale Na, Urewera, etc.

COWI	comp=Z,30nm,1.2s Conover	83.28 34	eP	P	11 23 58.6	-1.0	BLY	comp=Z,1um,20.0s Banja Luka	84.63 325	eP	P	11 24 06.4	-0.1	TTG	Podgorica	85.45 323	eP	P	11 24 10.4	-0.2
COWI	comp=Z,461nm,19.0s Lefka	83.29 310	eP	LR	11 23 59.9	+0.1	BLY	comp=Z,40nm,1.2s Banja Luka	84.63 325	eP	LR	11 24 05.8	-0.7	TTG	comp=Z,96nm,1.0s Lake Benmore	85.51 162	eP	MLR	11 24 11.1	+0.5
RZN	83.29 319	P	P	11 24 00.3	+0.4	BCLA	84.63 325	iP	P	11 24 06.3	-0.2	BIA	comp=Z,198nm,1.5s Bitola	85.51 320	eP	P	11 24 08.8	-2.3		
BBO1	83.29 342	eP	P	11 23 59.1	-0.3	VAY	84.66 320	iP	P	11 24 07.3	+0.6	FETA	85.53 330	ePcP	P	11 24 11.5	+0.4			
CBKS	83.32 45	eP	P	11 23 59.5	-0.5	STU	84.67 332	eP	P	11 24 06.8	+0.2	LIT	comp=Z,238nm,1.1s Litokhoron	85.60 319	eP	P	11 24 11.0	-0.5		
CBKS	comp=Z,423nm,20.0s Cedar Bluff	83.32 45	eP	P	11 23 59.5	-0.5	STU	comp=Z,94nm,1.2s Stuttgart	84.67 332	eP	LR	LIT	comp=Z,900nm,18.0s Litokhoron	85.60 319	eP	LR	11 24 10.5	-1.0		
CBKS	comp=Z,73nm,1.1s Cedar Bluff	83.32 45	eP	P	11 23 59.4	-0.6	STU	comp=Z,500nm,19.0s Stuttgart	84.67 332	eP	P	LIT	comp=Z,101nm,1.0s Litokhoron	85.60 319	eP	P	11 24 11.0	-0.5		
CBKS	comp=Z,423nm,20.0s Cedar Bluff	83.32 45	eP	P	11 23 59.4	-0.6	STU	comp=Z,94nm,1.2s Stuttgart	84.67 332	eP	MLR	LIT	comp=Z,900nm,18.0s Litokhoron	85.60 319	eP	MLR	11 24 12.3	+0.7		
K36A	83.38 39	P	P	11 24 00.9	+0.7	MYKA	comp=Z,500nm,19.0s Terra Mystica	84.67 328	eP	P	11 24 06.7	-0.1	DAVA	comp=Z,134nm,1.0s,SNR=34 Damuels	85.64 331	ePcP	P	11 24 11.6	-0.2	
H39A	83.39 36	P	P	11 24 00.1	-0.1	SKO	comp=Z,44nm,1.5s,SNR=16 Skopje	84.74 321	iP	P	11 24 07.9	+0.8	FNA	comp=Z,53nm,1.1s Florina	85.66 320	eP	P	11 24 10.8	-1.0	
Azberg	83.40 328	eP	P	11 24 00.4	+0.2	LJU	84.77 328	iP	P	11 24 09.2	+2.1	FNA	comp=Z,700nm,20.0s Florina	85.66 320	eP	P	11 24 11.6	-0.2		
VTS	83.40 320	eP	P	11 24 00.7	+0.3	LJU	84.77 328	eP	P	11 24 06.3	-0.9	FNA	comp=Z,53nm,1.1s Florina	85.66 320	eP	LR	11 24 10.8	-1.0		
VTS	83.40 320	eP	P	11 24 00.7	+0.3	MLSB	84.78 314	eP	P	11 24 08.1	+0.7	FNA	comp=Z,700nm,20.0s Florina	85.66 320	eP	P	11 24 11.6	-0.2		
VTS	83.40 320	eP	P	11 24 01.1	+0.7	E45A	84.78 32	P	P	11 24 07.5	+0.3	FNA	comp=Z,53nm,1.1s Florina	85.66 320	eP	P	11 24 11.7	0.0		
VTS	83.40 320	eP	P	11 24 01.1	+0.7	H42A	84.78 35	eP	P	11 24 07.2	0.0	N39A	comp=Z,700nm,20.0s Derby Farms, D	85.66 40	eP	P	11 24 11.8	0.0		
VTS	83.40 320	eP	P	11 24 00.7	+0.3	H42A	84.78 35	eP	P	11 24 07.4	+0.2	N39A	comp=Z,319,SNR=16 Derby Farms, D	85.66 40	eP	P	11 24 10.5	-1.3		
VTS	83.40 320	eP	P	11 24 00.7	+0.3	WPM1	84.80 342	eP	P	11 24 07.8	+0.6	DRME	85.67 322	eP	P	11 24 12.2	+0.6			
VTS	83.40 320	eP	P	11 24 00.7	+0.3	MNTX	84.83 53	eP	P	11 24 07.5	-0.2	STRD	85.69 340	eP	Iamb	11 24 15.5				
VTS	83.40 320	eP	P	11 24 00.7	+0.3	MNTX	84.83 53	eP	P	11 24 07.7	-0.1	STIR	85.71 36	P	P	11 24 09.9	-2.1			
ANTB	83.41 312	eP	P	11 23 59.5	-0.9	MNTX	84.83 53	P	P	11 24 07.2	-0.5	J43A	comp=Z,298nm,1.1s Natural Harves	85.71 36	P	P	11 24 12.1	+0.4		
G40A	83.44 35	eP	P	11 23 59.4	-1.0	KSU1	84.83 43	eP	P	11 24 07.3	-0.3	MCH1	comp=Z,115nm,1.0s Michaelchurch	85.72 340	eP	Iamb	11 24 15.6			
G40A	83.44 35	P	P	11 23 59.4	-1.0	KSU1	84.83 43	eP	P	11 24 07.1	-0.3	MCH1	comp=Z,2115nm,1.0s Michaelchurch	85.72 340	eP	Iamb	11 24 10.7	-1.4		
MOA	83.44 329	ePcP	P	11 24 01.4	+1.0	KSU1	84.83 43	eP	P	11 24 07.1	-0.7	L41A	85.74 38	P	P	11 24 11.0	-1.1			
BEHE	83.47 327	eP	P	11 24 01.4	+0.9	MATO	84.84 26	P	P	11 24 07.4	-0.3	K42A	85.75 37	P	P	11 24 12.2	+0.1			
TVO	83.49 119	eP	P	11 24 02.0	+1.0	BOJS	84.89 327	iP	P	11 24 07.4	-0.3	M40A	85.75 39	P	P	11 24 11.0	-1.1			
SCHO	83.50 18	P	P	11 24 00.2	-0.3	SNF	84.89 336	iP	P	11 24 08.2	+0.7	XOR	85.78 318	P	P	11 24 12.0	-1.4			
MANT	83.50 315	eP	P	11 24 01.6	+0.5	WLF1	84.89 342	eP	Iamb	11 24 11.4		SWN1	85.83 340	eP	Iamb	11 24 12.9	+0.6			
MMLI	83.51 306	eP	P	11 24 02.4	+1.3	WLF1	84.89 342	eP	Iamb	11 24 08.1	-0.2	SWN1	85.83 340	eP	Iamb	11 24 12.4	-0.3			
KORT	83.51 313	eP	P	11 24 00.9	-0.2	PLG	84.91 319	P	P	11 24 07.4	-0.6	ECH	85.87 333	eP	P	11 24 12.4	-0.3			
GAL1	83.53 343	eP	P	11 24 00.7	+0.1	MSTX	84.91 50	P	P	11 24 08.8	+0.5	ECH	85.87 333	eP	P	11 24 11.8	-1.0			
GAL1	83.53 343	eP	P	11 24 00.7	+0.1	MSTX	84.91 50	P	P	11 24 08.8	+0.5	ECH	85.87 333	eP	P	11 24 20.0	+6.7			
E42A	83.56 33	P	P	11 24 01.5	+0.4	AMTX	84.94 49	eP	P	11 24 08.8	+0.5	FYTO	85.88 318	P	P	11 24 11.8	-1.0			
F41A	83.57 34	P	P	11 24 00.5	-0.6	AMTX	84.94 49	eP	P	11 24 09.3	+0.9	TIR	85.98 322	PFAKE	LR	11 24 20.0	+6.7			
F41A	83.57 34	P	P	11 24 01.0	-0.1	AMTX	84.94 49	eP	P	11 24 08.6	+0.5	TIR	85.98 322	PFAKE	LR	11 24 14.1	+0.3			
CLGH	83.65 343	eP	P	11 24 02.3	+1.0	WATA	84.96 38	P	P	11 24 08.6	+0.5	FUOR1	86.04 330	eP	P	11 24 13.3	-0.7			
CLGH	83.65 343	eP	P	11 24 02.3	+1.0	K40A	84.96 38	P	P	11 24 09.1	+0.7	FUOR1	86.04 330	eP	P	11 24 13.9	-0.1			
L36A	83.66 40	P	P	11 24 01.4	-0.2	FOEL	84.96 341	eP	Iamb	11 24 08.5	+0.2	NEST	86.10 320	P	P	11 24 13.9	-0.1			
K37A	83.69 39	P	P	11 24 02.1	+0.3	FOEL	84.96 341	eP	Iamb	11 24 09.1	+0.7	N40A	86.11 39	P	P	11 24 13.9	-0.1			
DENT	83.75 314	eP	P	11 23 55.0	-7.2	L39A	84.97 38	P	P	11 24 08.5	+0.2	M41A	86.19 37	eP	P	11 24 13.6	-0.7			
BFZ	83.80 156	PFAKE	LR	11 24 10.0	+8.0	WTTA	84.97 330	ePcP	P	11 24 09.1	+0.7	L42A	86.19 37	eP	P	11 24 13.6	-0.7			
DIVS	83.84 323	eP	P	11 24 02.2	-0.4	YLL	84.98 342	eP	P	11 24 08.5	+0.2	L42A	86.19 37	eP	P	11 24 15.0	+0.9			
DIVS	83.84 323	eP	P	11 24 02.2	-0.4	J41A	84.98 37	P	P	11 24 08.2	+0.3	RSBS	86.20 341	eP	Iamb	11 24 18.5				
DIVS	83.84 323	eP	P	11 24 02.2	-0.4	OXZ	84.99 160	eP	P	11 24 08.2	+0.3	RSBS	86.20 341	eP	Iamb	11 24 15.0	+0.5			
DIVS	83.84 323	eP	P	11 24 02.2	-0.4	WLF	85.00 334	iP	P	11 24 08.4	+0.2	GLMI	86.25 33	eP	P	11 24 15.3	+0.8			
H40A	83.85 36	P	P	11 24 02.7	+0.2	WLF	85.00 334	eP	P	11 24 07.4	-0.8	GLMI	86.25 33	eP	P	11 24 14.4	-1.4			
MMB	83.87 320	P	P	11 24 03.2	+0.5	WLF	85.00 334	eP	P	11 24 07.4	-0.8	GLMI	86.25 33	eP	P	11 24 14.5	-1.4			
I39A	83.90 37	eP	P	11 24 02.2	-0.6	WLF	85.00 334	eP	P	11 24 07.4	-0.8	GLMI	86.25 33	eP	P	11 24 15.8	0.0			
I39A	83.90 37	P	P	11 24 02.7	-0.1	WLF	85.00 334	eP	P	11 24 07.4	-0.8	GLMI	86.25 33	eP	P	11 24 16.2	+0.1			
ELL	83.94 313	eP	P	11 24 03.2	-0.1	WLF	85.00 334	eP	P	11 24 07.4	-0.8	GLMI	86.25 33	eP	P	11 24 15.0	+0.5			
G41A	83.94 35	P	P	11 24 02.8	-0.2	WLF	85.00 334	eP	P	11 24 07.4	-0.8	GLMI	86.25 33	eP	P	11 24 15.3	+0.8			
NVR	83.98 319	P	P	11 24 02.7	-0.6	WLF	85.00 334	eP	P	11 24 07.4	-0.8	GLMI	86.25 33	eP	P	11 24 14.9	+0.2			
F42A	83.99 34	P	P	11 24 03.4	+0.2	WLF	85.00 334	eP	P	11 24 07.4	-0.8	GLMI	86.25 33	eP	P	11 24 13.2	-1.6			
KKB	83.99 320	P	P	11 24 03.7	+0.4	WLF	85.00 334	eP	P	11 24 07.4	-0.8	GLMI	86.25 33	eP	P	11 24 14.6	-0.8			
E43A	84.00 33	P	P	11 24 02.2	-1.1	WLF	85.00 334	eP	P	11 24 07.4	-0.8	GLMI	86.25 33	eP	P	11 24 14.6	-0.8			
E43A	84.00 33	P	P	11 24 02.2	-1.1	WLF	85.00 334	eP	P	11 24 07.4	-0.8	GLMI	86.25 33	eP	P	11 24 14.6	-0.8			
SOKA	84.06 328	ePcP	P	11 24 04.2	+0.5	WLF	85.00 334	eP	P	11 24 07.4	-0.8	GLMI	86.25 33	eP	P	11 24 14.6	-0.8			
EPT	84.07 54	eP	P	11 24 03.5	-0.5	WLF	85.00 334	eP	P	11 24 07.4	-0.8	GLMI	86.25 33	eP	P	11 24 14.6	-0.8			
LBWR	84.11 340	eP	P	11 24 04.5	+0.8	WLF	85.00 334	eP	P	11 24 07.4	-0.8	GLMI	86.25 33	eP	P	11 24 14.6	-0.8			
LBWR	84.11 340	eP	P	11 24 04.5	+0.8	WLF	85.00 334	eP	P	11 24 07.4	-0.8	GLMI	86.25 33	eP	P	11 24 14.6	-0.8			
WIM	84.18 342	eP	P	11 24 04.3	+0.3	WLF	85.00 334	eP	P	11 24 07.4	-0.8	GLMI	86.25 33	eP	P	11 24 14.6	-0.8			
H41A	84.19 36	P	P	11 24 02.6	-1.7	WLF	85.00 334	eP	P	11 24 07.4	-0.8	GLMI	86.25 33	eP	P	11 24 14.6	-0.8			
BEBN	84.19 335	iP	P	11 24 04.2	+0.1	WLF	85.00 334	eP	P	11 24 07.4										

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K46A	Dorr	87.45	35	P	P	11 24 20.6	+0.2
HDIL	Hopedale	87.48	38	eP	P	11 24 20.6	-0.1
HDIL	comp-Z,64nm,1.1s				LR		
HDIL	comp-Z,516nm,20.0s				LR		
HDIL	Hopedale	87.48	38	P	P	11 24 20.8	+0.2
TX31	Lajitas Ar. Si	87.51	54	eP	P	11 24 21.2	+0.1
TXAR	Lajitas Ar. Si	87.52	54	P	P	11 24 20.8	-0.3
TXAR	comp-Z,7.5nm,0.8s,baz=305,slow=2.8,SNR=1.7				P		
TXAR	comp-Z,0.9nm,0.8s,baz=164,slow=6.5,SNR=4.5				P		
TXAR	comp-Z,2.05nm,18.5s,baz=0.0,slow=35				LR		
T38A	Diamond	87.59	43	P	P	11 24 21.0	-0.2
TUL1	Leonard	87.59	45	eP	P	11 24 21.4	+0.1
TUL1	Leonard	87.59	45	eP	P	11 24 21.5	+0.2
S39A	Bolivar	87.62	42	eP	P	11 24 20.6	-0.8
S39A	Bolivar	87.62	42	P	P	11 24 20.9	-0.5
O43A	Sugar Creek Fa	87.69	38	P	P	11 24 22.1	+0.5
E53A	Dumoine, Ponti	87.70	28	P	P	11 24 22.5	-1.1
P42A	Winchester	87.72	39	eP	P	11 24 21.6	-0.2
P42A	Winchester	87.72	39	P	P	11 24 21.8	+0.1
ABTX	Abilene, Hawle	87.73	49	eP	P	11 24 22.0	0.0
ABTX	Abilene, Hawle	87.73	49	P	P	11 24 22.4	+0.4
L46A	Eue Claire	87.75	35	P	P	11 24 22.1	+0.2
Q41A	Truxton	87.75	40	P	P	11 24 22.4	+0.5
K47A	Vermontville	87.81	34	P	P	11 24 22.3	+0.2
E54A	Lac Daplat, Po	87.83	27	P	P	11 24 21.5	-0.7
J48A	Bridge Port	87.83	33	P	P	11 24 22.4	+0.2
HPIG	comp-Z,35nm,1.3s				P		
IDI	Anoyia	87.84	315	eP	P	11 24 22.2	-0.4
IDI	comp-Z,590nm,20.0s				LR		
BUKO	Buck Lake	87.84	29	P	P	11 24 22.1	-0.2
N44A	Piper City	87.86	37	P	P	11 24 22.5	+0.1
VLC	Villacoileman	88.02	329	eP	P	11 24 22.2	-1.0
VLC	comp-Z,900nm,19.0s				LR		
ITM	Ithomi	88.07	318	P	LR	11 24 30.0	+6.5
ITM	comp-Z,500nm,18.0s				LR		
P43A	Skaggs, Pawnee	88.08	39	P	P	11 24 23.7	+0.2
K48A	Perry	88.09	33	P	P	11 24 24.3	+0.8
T39A	Clever	88.09	43	P	P	11 24 23.4	-0.2
N45A	Kentland	88.11	37	P	P	11 24 21.5	-2.2
Q42A	Golden Eagle	88.14	40	P	P	11 24 24.1	+0.3
R41A	Rosebud	88.17	41	P	P	11 24 24.4	+0.5
Q44A	Mansfield	88.20	38	P	P	11 24 24.2	+0.2
M46A	Old House Fiel	88.20	36	P	P	11 24 24.1	0.0
M46A	Old House Fiel	88.20	36	P	P	11 24 23.7	-0.4
AQU	L'Aquila	88.21	326	eP	P	11 24 24.3	+0.2
AQU	comp-Z,1um,19.0s				LR		
AQU	L'Aquila	88.21	326	eP	P	11 24 24.3	+0.2
AQU	comp-Z,55nm,1.2s				pmx		
AQU	comp-Z,1um,19.0s				MLR		
AQU	L'Aquila	88.21	326	eP	P	11 24 23.6	-0.5
L47A	Sherwood	88.27	35	P	P	11 24 24.7	+0.3
HHAR	Hobbs	88.33	43	eP	P	11 24 24.1	-0.7
K49A	Clarkson	88.39	33	P	P	11 24 25.6	+0.7
CCM	Cathedral Cave	88.43	41	eP	P	11 24 25.1	-0.1
CCM	Cathedral Cave	88.43	41	eP	P	11 24 25.1	-0.1
CCM	Cathedral Cave	88.43	41	eP	P	11 24 25.1	-0.1
CCM	Cathedral Cave	88.43	41	eP	P	11 24 25.1	-0.1
N46A	Monticello	88.43	36	P	P	11 24 25.7	+0.6
T40A	Mansfield	88.45	42	P	P	11 24 25.0	-0.4
PEMO	Pembroke	88.45	28	P	P	11 24 24.9	-0.3
O45A	Potomac	88.48	37	P	P	11 24 25.8	+0.4
R42A	Luebbering	88.49	40	P	P	11 24 25.8	+0.3
SLM	Saint Louis	88.50	40	eP	P	11 24 25.4	-0.1
SLM	Saint Louis	88.50	40	eP	P	11 24 25.4	-0.1
SLM	Saint Louis	88.50	40	eP	P	11 24 25.4	-0.1
U39A	Green Forest	88.51	43	P	P	11 24 25.2	-0.5
S41A	Jilco Farms,	88.52	41	P	P	11 24 25.3	-0.4
Q43A	New Douglas	88.53	39	P	P	11 24 25.8	+0.2
M47A	Cromwell	88.58	35	P	P	11 24 26.4	+0.5
L48A	N Adams	88.64	34	P	P	11 24 26.4	+0.3
P44A	Sand Creek, WI	88.65	38	P	P	11 24 26.7	+0.4
SFIN	Lafayette	88.67	37	eP	P	11 24 25.9	-0.4
SFIN	Lafayette	88.67	37	P	P	11 24 26.6	+0.3
AAM	Ann Arbor	88.69	33	eP	P	11 24 26.4	+0.1
AAM	comp-Z,385nm,20.0s				LR		
AAM	Ann Arbor	88.69	33	P	P	11 24 27.2	+0.8
BNI	Bardonecchia	88.72	331	eP	LR	11 24 26.1	-0.6
BNI	Bardonecchia	88.72	331	eP	LR	11 24 26.1	-0.6
BNI	Bardonecchia	88.72	331	eP	LR	11 24 26.1	-0.6
DAMY	Damar	88.73	287	eP	P	11 24 28.2	+0.9
DAMY	comp-Z,55nm,1.3s				LR		
K50A	Casco	88.75	33	P	P	11 24 25.1	-1.5
BANO	Bancroft	88.76	29	P	P	11 24 25.1	-1.6
L49A	Milan	88.80	34	P	P	11 24 27.8	+0.9
V39A	Pettigrew	88.82	44	P	P	11 24 26.9	-0.3
U40A	Yellville	88.86	43	P	P	11 24 26.8	-0.5
S42A	Caledon	88.88	41	P	P	11 24 27.2	-0.1
M48A	Edgerton	88.89	35	eP	P	11 24 27.1	-0.1
M48A	Edgerton	88.89	35	P	P	11 24 27.7	+0.4

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Q44A	Meyer Farm, Va	88.90	39	P	P	11 24 27.6	+0.2
FVM	French Village	88.90	40	eP	P	11 24 27.2	-0.2
FVM	French Village	88.90	40	eP	P	11 24 27.2	-0.2
FVM	comp-Z,55nm,1.1s				pmx		
T41A	Mountain View	88.92	42	P	P	11 24 27.2	-0.4
N47A	Urbana	88.93	36	P	P	11 24 27.1	-0.4
R43A	Red Bud	88.93	40	P	P	11 24 27.3	-0.2
TRQ	Mont Tremblant	88.94	26	eP	P	11 24 27.2	-0.4
CUC	Castrocuoco	88.98	323	P	LR	11 24 40.0	+1.2
CUC	comp-Z,600nm,19.0s				LR		
P45A	Graceland, Par	89.03	38	eP	P	11 24 27.4	-0.7
P45A	Graceland, Par	89.03	38	eP	P	11 24 28.4	+0.4
JCT	Junction City	89.14	51	eP	P	11 24 28.3	-0.4
JCT	Junction City	89.14	51	eP	P	11 24 28.3	-0.4
JCT	comp-Z,25nm,1.0s				MLR		
JCT	comp-Z,349nm,20.0s				MLR		
JCT	Junction City	89.14	51	eP	P	11 24 28.7	0.0
TIP	Timpagrande	89.17	322	eP	P	11 24 28.4	-0.3
TIP	comp-Z,58nm,1.4s				LR		
TIP	Timpagrande	89.17	322	eP	P	11 24 29.0	+0.2
O47A	Sheridan	89.22	36	P	P	11 24 27.8	-1.0
P46A	Rosedale	89.22	37	P	P	11 24 28.9	0.0
M49A	Liberty Center	89.22	34	P	P	11 24 29.3	+0.4
W39A	Magazine	89.22	44	eP	P	11 24 28.7	-0.3
W39A	Magazine	89.22	44	eP	P	11 24 28.7	-0.3
N48A	Decatur	89.25	35	P	P	11 24 28.7	-0.3
ORIO	Orlins, Innes	89.27	27	P	P	11 24 28.7	-0.3
T42A	Van Buren	89.28	41	eP	P	11 24 28.8	-0.4
T42A	Van Buren	89.28	41	eP	P	11 24 29.0	-0.2
V40A	Witts Springs	89.29	43	eP	P	11 24 28.2	-1.1
V40A	Witts Springs	89.29	43	eP	P	11 24 27.5	-1.8
SSB	Saint Sauveur	89.32	333	P	LR	11 24 40.0	+1.1
SSB	comp-Z,500nm,21.0s				LR		
Q45A	Warren Farm,	89.33	38	P	P	11 24 29.8	+0.4
ALFO	Alfred	89.34	26	P	P	11 24 29.2	-0.1
U41A	Viola	89.37	42	P	P	11 24 29.5	-0.2
R44A	Waltonville	89.37	39	P	P	11 24 29.9	+0.3
S43A	Fulton Ridge	89.39	40	P	P	11 24 29.5	-0.2
WHTX	Lake Whitney	89.47	49	eP	P	11 24 30.0	-0.2
WHTX	Lake Whitney	89.47	49	eP	P	11 24 30.7	+0.5
OLIL	Olney	89.48	38	eP	P	11 24 30.2	+0.1
X39A	Fountain Ranch	89.55	45	P	P	11 24 29.4	-1.1
N49A	Columbus Grove	89.58	35	eP	P	11 24 30.4	-0.1
N49A	Columbus Grove	89.58	35	eP	P	11 24 30.8	+0.3
Q46A	CEJHS Indians,	89.61	38	P	P	11 24 30.8	+0.1
W40A	Ferguson Farm,	89.62	44	eP	P	11 24 29.8	-1.1
W40A	Ferguson Farm,	89.62	44	eP	P	11 24 31.0	+0.2
T43A	Greenville	89.66	41	P	P	11 24 30.9	-0.1
V41A	Mountainview	89.67	43	P	P	11 24 30.1	-1.0
O48A	Farrans	89.67	36	P	P	11 24 30.6	-0.4
S44A	Carbondale	89.71	40	P	P	11 24 31.9	+0.7
SIUC	Southern Illin	89.72	40	eP	P	11 24 31.0	-0.3
U42A	Reverend	89.72	42	P	P	11 24 31.1	-0.2
R45A	Skylar, Fairri	89.73	39	P	P	11 24 31.5	+0.2
P47A	Martinsville	89.77	37	P	P	11 24 31.9	+0.4
PBMO	Poplar Bluff	89.82	41	eP	P	11 24 31.6	-0.1
MIAR	Mount Ida	89.82	44	eP	P	11 24 31.7	-0.1
MIAR	comp-Z,596nm,22.0s				LR		
MIAR	Mount Ida	89.82	44	eP	P	11 24 31.7	-0.1
MIAR	comp-Z,58nm,1.0s				pmx		
MIAR	comp-Z,596nm,22.0s				MLR		
MIAR	Mount Ida	89.82	44	eP	P	11 24 32.3	+0.5
BLO	Bloomington	89.89	37	eP	P	11 24 31.7	-0.3
BLO	Bloomington	89.89	37	eP	P	11 24 31.7	-0.3
T44A	Benton	90.01	40	P	P	11 24 32.9	+0.3
V42A	Cot	90.06	42	P	P	11 24 32.9	+0.1
S45A	Carrier Mills	90.06	39	P	P	11 24 33.2	+0.3
W41B	Gary Mavity, V	90.08	43	eP	P	11 24 32.7	-0.3
W41B	Gary Mavity, V	90.08	43	eP	P	11 24 32.6	-0.3
O49A	Covington	90.10	35	eP	P	11 24 32.5	-0.5
O49A	Covington	90.10	35	eP	P	11 24 33.1	+0.1
M51A	Elyria	90.12	33	P	P	11 24 33.1	+0.1
Q47A	Bedord North L	90.13	37	P	P	11 24 33.7	+0.5
U43A	Rector	90.14	41	P	P	11 24 33.7	+0.5
N50A	Nevada	90.16	34	P	P	11 24 33.6	+0.4
R46A	Gibson Southern	90.17	38	P	P	11 24 33.3	-0.1
P48A	Milroy	90.18	36	P	P	11 24 33.6	+0.2
435B	Jarrell	90.27	49	eP	P	11 24 33.3	-0.6
435B	Jarrell	90.27	49	eP	P	11 24 34.5	+0.5
X40A	Basin Creek Fa	90.27	44	eP	P	11 24 33.8	-0.1
X40A	Basin Creek Fa	90.27	44	eP	P	11 24 33.8	-0.1
USIN	University of	90.29	39	eP	P	11 24 34.1	+0.2
CEL	Celeste	90.31	322	eP	P	11 24 33.6	-0.5
CEL	comp-Z,34nm,0.9s				LR		
CEL	comp-Z,900nm,18.0s				LR		
LONY	Lake Ozonia	90.32	27	P	LR	11 24 50.0	+1.6
LONY	comp-Z,437nm,19.0s				LR		

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LONY	Lake Ozonia	90.32	27	P	P
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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DAWY White River, YUK2 White River, BMRM Bremner River, etc.

NSSP 14 12:09:45.3, 41.68N, 46.23E, h10km, Ms3.3
MOS 14 12:09:45.8, 0.0, 41.70N, 46.31E, h8km, MPVA3.9
DROS 14 12:09:45.1, 0.0, 41.65N, 46.18E, h12km
AZER 14 12:09:46.0, 0.0, 41.62N, 46.36E, h9km, ml3.0/18, Error ellipse: s-maj=0.7km s-min=0.2km az=334.0

MOS 14 12:09:47.0, 0.0, 41.66N, 46.33E, h11km, mb3.9/1, Error ellipse: s-maj=6.7km s-min=4.7km az=96.7
TIF 14 12:09:47.6, 41.71N, 46.33E, h23km, 1km
ISC 14 12:09:47.8, 0.0, 41.67N, 0.01E, 46.32E, 0.01, h8km, 8km, n87, r120/153, 25C-21D, Eastern Caucasus

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ZKTA Zakatala, ZKTA Zakatala, ZKTA Zakatala, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KRNR Karanay, KRNR Karanay, BUJR Buynask, BUJR Buynask, etc.

SJA 14 12:09:49.1, 0.0, 31.775S, 72.85W, h63km, 12km, ML3.8, MW3.7
GUC 14 12:09:51.4, 1.1, 31.80S, 72.15W, h18km, 16km, ML3.5
ISC 14 12:09:49.4, 3.0, 31.83S, 72.2W, 0.1, h7km, 19km, n14, r107/20, Off coast of central Chile

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CMCH Combarbala, CMCH Combarbala, ROCH El Roble, ROCH El Roble, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ARCO Cerro Coronel, ARCO Cerro Coronel, AAGR Agrelo, AAGR Agrelo, etc.

NIED 14 12:14:00, 42.70N, 142.60E, h32km, Mw4.3 Best double couple: M2.78000x1015, NP1=336.00000, 840.00000, 181.00000, NP2=169.00000, 851.00000, 97.00000
BUJ 14 12:14:39.1, 42.70N, 142.50E, h35km, mb4.4/7, mb4.9/3, Ms4.2/1, Ms7.4/2/1
ISCJB 14 12:14:39.8, 0.0, 42.64N, 142.52E, h51km, mb4.4/143, MS3.8/2, Error ellipse: s-maj=4.3km s-min=3.1km az=154.7

MOS 14 12:14:40.6, 1.0, 42.70N, 142.52E, h51km, mb4.6/39, Error ellipse: s-maj=8.6km s-min=5.4km az=75.7
JMA 14 12:14:40.5, 0.1, 42.68N, 142.65E, h31km, 1km, M4.2 Broadband fault plane solution: P waves. NP1: 157.00000, 859.00000, 185.00000, NP2: 175.00000, 831.00000, 96.00000, Principal axes: T: 175.00000, Azm54.00000, Plg4.00000, Azm159.00000; P: Plg14.00000, Azm250.00000; JMA Fell II, J1

NEIC 14 12:14:42.6, 0.0, 42.73N, 142.45E, h50km, 4km, mb4.4/109 Error ellipse: s-maj=4.2km s-min=2.7km az=145.0
NEIC Recorded (2 JMA) in southern Hokkaido.
IDC 14 12:14:42.4, 1.6, 42.71N, 142.56E, h56km, 12km, mb3.9/25, mb1.4/127, mb1mx4.0/50, mbtmp4.2/27, MS3.5/4, Ms1.3/6.4, ms1mx3.1/39, Error ellipse: s-maj=14.1km s-min=10.5km az=122.0

ISC 14 12:14:41.8, 0.0, 42.65N, 142.61E, 0.03, h47km, 4km, n269, r137/289, mb4.4/143, C-8D, Hokkaido region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JB2T Biratori 2, JB2T Biratori 2, JSHD Hidakashinbida, JSHD Hidakashinbida, etc.

14d 12h

ISC 14 12:16:53.0, 6.48, 28N, 0.08, 154.70E, 0.08, h51km, n147, c155E11m, mb4.2/2, 1D, Kuril Islands

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

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Main table of seismic events with columns: HDA, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes event details like magnitude, depth, and location.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Continuation of seismic station data.

MOS 14 12:32:53.0, 0.41, 70N, 46.32E, h9km, MPVA3.6
DRS 14 12:32:53.0, 0.41, 69N, 46.21E, h12km
TIF 14 12:32:55.4, 41.70N, 46.24E, h14km, 1km
ISC 14 12:32:54.6, 1.41, 69N, 0.03, 46.27E, 0.02, h13km, gkm, n27, c107/54, Eastern Caucasus

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Continuation of seismic station data.

Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like MAJO Matsushiro, MAT Matsushiro, MJAR Matsushiro Arr, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like SKT Skwentna, DHY Denali Highway, PAX Paxson, etc.

BUI 14 13:18:49.7, 10:32S; 161.82E, h63km, mb5.0/44, mB5.2/28, Ms5.2/9, Mst 4.9/8
NEIC 14 13:18:53.0, 0.2, 10:27S; 161.42E, mb5.1/86, Error ellipse: s-maj=5.7km s-min=1.0km az=150.0
MOS 14 13:18:54.6, 0.8, 10:20S; 161.30E, h89km, mb5.1/30, Azm 24.4, Error ellipse: s-maj=9.5km s-min=8.4km az=78.5
ISCJUB 14 13:18:54.6, 0.1, 10:21S; 161.33E, 0.03, h82km, gkm, mb5.0/14, Error ellipse: s-maj=6.2km s-min=4.5km az=145.8
GCMT 14 13:18:55.0, 0.3, 10:10S; 0.02, 161.10E; 0.02, h68km, 2km, MW5.1/64, Moment Tensor Solution. s36,c45; s64,c83; Duration: 0 Moment tensor: Scale 10^10Nm; Mr0.34±.19; Mw0.21±.11; Best double couple: Ms0.9100±.016 NP1.36±108.0000°, s82.0000°, A.19.0000°. NP2: s=15.0000°, 87.1.0000°, A.172.0000°. Principal axes: T 6.0060, P19.0000°, Azm333.0000° - N -0.2090, P19.69.0000°, Azm14.29.0000°, P -5.750, P19.69.0000°. Azm240.0000°. nst2 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function
IDC 14 13:18:55.8, 2.0, 10:27S; 161.38E, h83km, 16km, mb4.6/28, Mb1.4/7.29, mb1mx4.6/46, mbtp4.9/29, MS3.8/18, Ms1.3.8/18, ms1mx3.7/32 Error ellipse: s-maj=16.2km s-min=11.3km az=103.0
ISC 14 13:18:53.6, 0.5, 10:31S; 0.04, 161.51E; 0.05, h66km, 3km, h66km, pp-P, n361, 0.1936/365, mb5.1/154, 2C-1D, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Frequency, Power, Direction, and other parameters. Includes stations like HNR Honiara, HNR Rabaul, DZM Mont Dzumac, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like QIS Mount Isa, MGCD Mangrove Creek, CMSA Col Meteor, etc.

14d 13h

Table with columns: Station, Elevation, Frequency, Band, Power, Azimuth, and other parameters. Includes stations like KKM Kota Kinabalu, TBI Tubuai, PWJI Pagenwojo, etc.

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Table with columns: Station, Elevation, Frequency, Band, Power, Azimuth, and other parameters. Includes stations like HIA Hailar, ZEA Zeya, LZH Lanzhou, etc.

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Table with columns: Station, Elevation, Frequency, Band, Power, Azimuth, and other parameters. Includes stations like WDC Whiskeytown, WDC Whiskeytown Da, M02C Callahan, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Little Creek, HLID, KASH, KURK, etc.

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

ISC 14 13:39:42.71.9.20:70S:174:64W h0km, mb3.8/5, mb1.4/2.6, mb1mx3.8/4, mbtmp3.9/6, ML3.9/1, Error ellipse: s-maj=94.0km s-min=23.8km az=143.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AFI, AS31, ASAR, WB2, etc.

ISC 14 13:49:18.7±0.5, 46:59N±0.04:144:9E±0.1, h400km, mb3.4/1.0, Error ellipse: s-maj=11.4km s-min=5.1km az=11.9

JMA 14 13:49:20.5±0.4, 46:46N±144:90E, h401km, M3.7, IDC 14 13:49:20.1±1.4, 46:85N±144:78E, h388km, 16km, mb3.1/1.0, mb1.3.1/1.5, mb1mx2.9/4.7, mbtmp3.7/1.5, Error ellipse: s-maj=20.8km s-min=15.7km az=120.0

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

DRS 14 14:07:19.5±0.0, 42:37N±47:93E, h2km, MOS 14 14:07:20.0±0.0, 41:64N±46:22E, h9km±451km, MPVA3.3

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

ATH 14 14:09:47.9, 35:20N±72:20E, h22km, 1km, ML2.5/6, Error ellipse: s-maj=4.8km s-min=1.4km az=327.0

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

GUC 14 14:15:59.8±0.5, 31:77S±72:04W, h17km, 7km, ML3.0, SUA 14 14:16:01.3±0.6, 31:93S±72:13W, h7km±23km, ML2.9, MW3.3

ISC 14 14:15:55.9±0.0, 31:96S±0.06:72:6W±0.2, h4km±21km, n17, c259/27, Off coast of central Chile

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

KRSC 14 14:16:48.5±2.2, 48:15N±154:94E, h66km±35km, ML5.3, BUJ 14 14:16:48.2, 48:46N±155:12E, h52km, mb4.8/4.9, mb5.1/3.3, MS4.8/28, MS7.4/5/26

ISC 14 14:16:50.4±0.3, 48:28N±0.02:154:62E±0.2, h50km±2km, MS4.9/287, MS4.1/41, Error ellipse: s-maj=4.1km s-min=1.8km az=148.7

SKHL 14 14:16:50.8±0.6, 48:14N±154:97E, h64km±5km, mb5.4/2, MOS 14 14:16:51.8±1.0, 48:36N±154:61E, h63km, mb5.1/5.9, Error ellipse: s-maj=6.4km s-min=3.0km az=74.5

GCMT 14 14:16:53.0±3.0, 48:33N±0.02:154:79E±0.2, h46km, 1km, MW5.0/74, Moment Tensor Solution: s40,c52, s74,c111, Duration: 0 Moment tensor: Scale 10^18Nm; Mr3.0±0.18; Mw-1.2±0.12; Ms-1.8±0.11; Mo-2.1±0.17; Mo-2.4±0.08; Best double couple: M3.68800x10^16 Np1.9±0.20000, s45.00000, t57.00000; Principal axes: T 3.6560, P16.60000, Azm32.0000; N 0.0640, Plig23.0000, Azm224.0000; P -3.7200, Plig4.0000; Azm132.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rater function

NEIC 14 14:16:53.0±0.6, 48:38N±154:45E, h62km±4km, mb5.0/219, Error ellipse: s-maj=4.0km s-min=1.9km az=160.0

IDC 14 14:16:54.9±2.3, 48:38N±154:46E, h75km±20km, mb4.3/3.1, mb1.4/0.35, mb1mx4.4/5.4, mbtmp4.6/3.5, MS4.0/38, MS1.4/0.35, mb1mx3.9/5.3, Error ellipse: s-maj=12.7km s-min=9.5km az=132.0

ISC 14 14:16:51.8±0.7, 48:22N±0.04:154:64E±0.04, h54km±5km, n84, c193/91/21, mb5.0/287, MS4.2/43, 30C-40D, Kurii Islands

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

Table with columns: Station Name, Frequency, Power, Status, and other technical details. Includes stations like DLMT Dillon, HLID Halley, CMB Columbia Colle, etc.

Table with columns: Station Name, Frequency, Power, Status, and other technical details. Includes stations like TUQ Turquoise Moun, CCUT Cedar City, HEC Heceta, etc.

Table with columns: Station Name, Frequency, Power, Status, and other technical details. Includes stations like HYB Hyderabad, S22A 4UR Ranch, S22A 4UR Ranch, etc.

M41A	Milan	73.84	45	P	P	14 28 20.3	-0.2
AS01	Alice Springs	73.93	200	eP	P	14 28 22.6	+1.5
AS31	Alice Springs	73.94	200	eP	P	14 28 22.4	+1.3
ASAR	Alice Springs	73.94	200	P	P	14 28 22.9	+1.8
ASAR	Alice Springs	73.94	200	P	P	14 28 23.0	+1.8
VLD0	Val d'Or	73.95	33	eP	P	14 28 19.6	-1.4
KWP	Katwarra	74.08	330	eP	P	14 28 22.3	+0.5
Q38A	Cooks Store, C	74.19	49	P	P	14 28 22.6	0.0
N41A	Harden Midland	74.21	46	eP	P	14 28 22.4	-0.3
N41A	Harden Midland	74.21	46	eP	P	14 28 22.3	-0.3
N42A	Yates City	74.51	45	P	P	14 28 24.8	+0.4
OJC	Ojcow	74.52	332	eP	P	14 28 24.8	+0.5
OJC	Ojcow	74.52	332	eP	P	14 28 24.1	-0.3
OJC	Ojcow	74.52	332	eP	P	14 28 24.1	-0.3
OJC	Ojcow	74.52	332	eP	P	14 28 24.1	-0.3
O41A	Passleys Farm	74.65	46	P	P	14 28 25.4	+0.1
WMOK	Wichita Mounta	74.66	55	eP	P	14 28 25.7	+0.2
WMOK	Wichita Mounta	74.66	55	eP	P	14 28 25.7	+0.2
WMOK	Wichita Mounta	74.66	55	eP	P	14 28 26.0	+0.6
D53A	Lac Vavie, Po	74.72	34	P	P	14 28 25.3	-0.3
N43A	Stutzman Famil	74.83	45	P	P	14 28 26.7	+0.4
BUR08	Bucovina Ar. S	74.90	327	eP	P	14 28 26.2	-0.5
P41A	Barry, Barry	74.91	47	P	P	14 28 27.3	+0.6
BUR04	Bucovina Ar. S	74.92	327	eP	P	14 28 25.9	-0.9
BUR04	Bucovina Ar. S	74.92	327	eP	P	14 28 26.3	+0.5
BUR04	Bucovina Array	74.92	327	eP	P	14 28 26.3	+0.5
J47A	Summer	74.98	41	P	P	14 28 27.2	+0.1
KSP	Ksiaz	75.04	334	eP	P	14 28 28.0	+0.7
D54A	Lac Fusel, La	75.05	33	P	P	14 28 27.5	+0.1
NIE	Niedzica	75.06	331	eP	P	14 28 28.8	+1.3
S38A	Stockton	75.06	50	P	P	14 28 27.4	-0.3
UZH	Uzhgorod	75.08	330	eP	P	14 28 29.0	+1.4
UZH	Uzhgorod	75.08	330	eP	P	14 28 36.0	
BIZ	Biczaz	75.17	326	eP	P	14 28 28.8	+0.7
ESK	Eszkdalemuir	75.17	347	eP	P	14 28 27.5	-0.5
ESK	Eszkdalemuir	75.17	347	eP	P	14 28 27.5	-0.5
S39A	Bolivar	75.31	49	eP	P	14 28 28.7	-0.4
S39A	Bolivar	75.31	49	eP	P	14 28 27.9	-1.2
T38A	Diamond	75.31	51	P	P	14 28 29.1	-0.1
E53A	Dumoine, Ponti	75.32	34	P	P	14 28 28.2	-0.8
P42A	Winchester	75.33	46	eP	P	14 28 29.0	-0.2
P42A	Winchester	75.33	46	eP	P	14 28 28.8	-0.3
OKC	Ostrava-Krasne	75.37	333	AMS	AMS	15 07 00.0	
Q41A	Truxton	75.38	47	P	P	14 28 29.9	+0.3
TUL1	Leonard	75.39	52	eP	P	14 28 29.6	0.0
TUL1	Leonard	75.39	52	eP	P	14 28 29.7	+0.1
TRPA	Tarpa	75.42	329	eP	P	14 28 30.5	+0.9
TRPA	Tarpa	75.42	329	eP	P	14 28 30.7	+1.1
DPC	Dobruska-Polom	75.47	334	eP	P	14 28 30.7	+0.8
DPC	Dobruska-Polom	75.47	334	eP	P	14 28 30.7	+0.8
CLL	Collm	75.54	336	eP	P	14 28 29.5	-0.7
CLL	Collm	75.54	336	eP	P	14 28 29.9	-0.3
CLL	Collm	75.54	336	eP	P	14 28 29.9	-0.3
CLL	Collm	75.54	336	eP	P	14 28 29.9	-0.3
CLL	Collm	75.54	336	eP	P	14 28 29.9	-0.3
CLL	Collm	75.54	336	eP	P	14 28 29.9	-0.3
TLCR	TLCR	75.59	324	eP	P	14 28 30.1	-0.4
TLCR	TLCR	75.59	324	eP	P	14 28 30.1	-0.4
MORC	Moravsky Berou	75.61	333	eP	P	14 28 30.8	+0.1
MORC	Moravsky Berou	75.61	333	eP	P	14 28 30.8	+0.1
MORC	Moravsky Berou	75.61	333	eP	P	14 28 31.2	+0.5
MORC	Moravsky Berou	75.61	333	eP	P	14 28 31.2	+0.5
BRG	Berggiesshubel	75.68	336	eP	P	14 28 31.5	+0.5
BRG	Berggiesshubel	75.68	336	eP	P	14 28 31.5	+0.5
BRG	Berggiesshubel	75.68	336	eP	P	14 28 31.5	+0.5
BRG	Berggiesshubel	75.68	336	eP	P	14 28 31.5	+0.5
ABTX	Ablilene, Hawle	75.76	57	P	P	14 28 32.2	+0.4
ABTX	Ablilene, Hawle	75.76	57	P	P	14 28 32.5	+0.7
KECS	Kecevo	75.81	331	eP	P	14 28 31.7	-0.1
KECS	Kecevo	75.81	331	eP	P	14 28 31.7	-0.1
R41A	Rosed	75.82	48	P	P	14 28 31.7	-0.1
CFR	Carcaiu	75.86	324	eP	P	14 28 31.7	-0.4
CFR	Carcaiu	75.86	324	eP	P	14 28 31.7	-0.4
TX31	Lajitas Ar. Si	75.88	62	P	P	14 28 33.4	+0.7
TXAR	Lajitas Array	75.88	62	P	P	14 28 33.8	+1.1
CCM	Cathedral Cave	76.07	48	P	P	14 28 33.7	+0.3
HHAR	Hobbs	76.07	51	eP	P	14 28 33.3	-0.3
R42A	Luebbing	76.12	48	P	P	14 28 34.4	+0.6
T40A	Manfield	76.13	49	P	P	14 28 33.8	-0.1
S41A	Jilico Farms	76.19	49	P	P	14 28 33.4	-0.8
L48A	N Adams	76.19	41	P	P	14 28 34.0	-0.1
U39A	Green Forest	76.23	50	P	P	14 28 34.4	0.0
LTVH	L'vav'rites	76.28	329	eP	P	14 28 35.6	+1.1
GOPC	GO Pecny, Ondr	76.30	335	eP	P	14 28 35.1	+0.5
GOPC	GO Pecny, Ondr	76.30	335	eP	P	14 28 35.1	+0.5
GOPC	GO Pecny, Ondr	76.30	335	eP	P	14 28 35.1	+0.5
GOPC	GO Pecny, Ondr	76.30	335	eP	P	14 28 35.1	+0.5
PRU	Pruhonice	76.31	335	eP	P	14 28 35.3	+0.7
PRU	Pruhonice	76.31	335	eP	P	14 28 35.3	+0.7
PRU	Pruhonice	76.31	335	eP	P	14 28 35.3	+0.7
VRAC	Vranov	76.31	333	eP	P	14 28 35.8	+1.1
VRAC	Vranov	76.31	333	eP	P	14 28 35.8	+1.1
VRAC	Vranov	76.31	333	eP	P	14 28 35.3	+0.6
VYHS	Vyhne	76.33	331	eP	P	14 28 35.3	+0.5
VYHS	Vyhne	76.33	331	eP	P	14 28 35.3	+0.5
VYHS	Vyhne	76.33	331	eP	P	14 28 36.7	+1.6
TLB	Topalu	76.39	324	eP	P	14 28 34.8	-0.3
TLB	Topalu	76.39	324	eP	P	14 28 34.9	-0.2
HPIG	HPIG	76.44	65	P	P	14 28 35.9	-0.1
MLR	Muntele Rosu	76.44	326	eP	P	14 28 35.3	-0.4

MLR	Muntele Rosu	76.44	326	eP	P	14 28 35.7	+0.1
MLR	Muntele Rosu	76.44	326	eP	P	14 28 35.7	+0.1
PSZ	Piszkesteto	76.50	331	eP	P	14 28 36.2	+0.4
PSZ	Piszkesteto	76.50	331	eP	P	14 28 36.8	+1.0
PSZ	Piszkesteto	76.50	331	eP	P	14 28 37.1	+1.3
PSZ	Piszkesteto	76.50	331	eP	P	14 28 36.8	+1.0
DRGR	Dravaru	76.52	328	eP	P	14 28 35.5	-0.4
DRGR	Dravaru	76.52	328	eP	P	14 28 35.5	-0.4
S42A	Caledonia	76.52	48	P	P	14 28 36.2	+0.2
ISR	Istrita	76.53	325	eP	P	14 28 36.5	+0.5
ISR	Istrita	76.53	325	eP	P	14 28 36.5	+0.5
V39A	Pettigrew	76.57	51	P	P	14 28 36.2	-0.2
U40A	Yellville	76.58	50	P	P	14 28 36.6	+0.2
KRUC	Moravsky Mountain View	76.59	333	eP	P	14 28 36.7	+0.5
T41A	Mountain View	76.60	49	P	P	14 28 35.9	-0.6
TRQ	Mont Tremblant	76.60	33	eP	P	14 28 34.3	-2.1
VOIR	Voire	76.82	326	eP	P	14 28 38.4	+0.7
VOIR	Voire	76.82	326	eP	P	14 28 38.4	+0.7
WSAR	Wadi Sarin	76.86	290	eP	P	14 28 39.1	+0.9
ILGA	Ilgaz	76.91	318	eP	P	14 28 38.8	+0.3
Q45A	Warren Harvey	76.92	45	P	P	14 28 37.7	-0.5
M0DS	M0dra-Piesok	76.93	332	eP	P	14 28 38.7	+0.5
M0DS	M0dra-Piesok	76.93	332	eP	P	14 28 38.7	+0.5
M0DS	M0dra-Piesok	76.93	332	eP	P	14 28 38.7	+0.5
M0DS	M0dra-Piesok	76.93	332	eP	P	14 28 38.7	+0.5
M0DS	M0dra-Piesok	76.93	332	eP	P	14 28 38.7	+0.5
V40A	Witts Springs	77.02	50	P	P	14 28 38.7	-0.2
S43A	Fulton Ridge	77.03	47	P	P	14 28 38.5	-0.4
U41A	Viola	77.06	49	P	P	14 28 38.8	-0.3
U0SS	Minazif	77.12	293	eP	P	14 28 39.3	-0.3
BUD	Budapest	77.16	331	eP	P	14 28 41.0	+1.6
O48A	Farmland	77.23	43	P	P	14 28 39.4	-0.6
JCT	Junction City	77.27	58	eP	P	14 28 41.1	+0.8
JCT	Junction City	77.27	58	eP	P	14 28 41.2	+0.8
JCT	Junction City	77.27	58	eP	P	14 28 41.1	+0.8
JCT	Junction City	77.27	58	eP	P	14 28 41.1	+0.8
LOT	Lotru	77.29	327	eP	P	14 28 40.3	0.0
X39A	X39A	77.34	52	P	P	14 28 40.8	+0.1
KHC	Kasperske Hory	77.35	335	eP	P	14 28 40.6	+0.1
KHC	Kasperske Hory	77.35	335	eP	P	14 28 41.5	+1.0
KHC	Kasperske Hory	77.35	335	eP	P	14 28 41.5	+1.0
KHC	Kasperske Hory	77.35	335	eP	P	14 28 41.5	+1.0
KHC	Kasperske Hory	77.35	335	eP	P	14 28 41.5	+1.0
W40A	Ferguson Farm	77.36	51	P	P	14 28 40.9	+0.1
V41A	Motainview	77.38	50	P	P	14 28 40.5	-0.4
WHTX	Lake Whitney	77.45	56	P	P	14 28 41.4	+0.1
GRFO	Grafenberg	77.49	337	eP	P	14 28 41.4	+0.2
GRFO	Grafenberg	77.49	337	eP	P	14 28 41.4	+0.2
GE2C	GERESS Array S	77.57	335	eP	P	14 28 41.4	-0.4
GE2C	GERESS Array S	77.57	335	eP	P	14 28 41.4	-0.4
GE2C	GERESS Array S	77.57	335	eP	P	14 28 42.0	+0.2
GERES	GERESS Array B	77.57	335	eP	P	14 28 42.0	+0.2
GERES	GERESS Array B	77.57	335	eP	P	14 28 42.0	+0.2
GERES	GERESS Array B	77.57	335	eP	P	14 28 42.0	+0.2
GERES	GERESS Array B	77.57	335	eP	P	14 28 42.0	+0.2
GERES	GERESS Array B	77.57	335	eP	P	14 28 42.0	+0.2
GEAO	GERESS Array S	77.58	335	eP	P	14 28 41.5	-0.3
MIAR	Mount Ida	77.60	52	eP	P	14 28 42.3	+0.2
MIAR	Mount Ida	77.60	52	eP	P	14 28 42.3	+0.2
MIAR	Mount Ida	77.60	52	eP	P	14 28 42.0	-0.1
O49A	Covington	77.65	42	P	P	14 28 42.0	-0.3
S45A	Carrier Mills	77.68	46	P	P	14 28 43.0	+0.5
Q47A	Bedord North L	77.70	44	P	P	14 28 43.2	+0.5
CONA	Conrad Observa	77.76	333	eP	P	14 28 43.9	+1.0
R46A	Gibson South	77.77	45	P	P	14 28 43.3	+0.3
SOP	Sopron	77.77	332	eP	P	14 28 44.3	+1.5
W41B	Gary Mavity, V	77.80	50	P	P	14 28 43.0	-0.2
W41B	Gary Mavity, V	77.80	50	P	P	14 28 42.8	-0.4
BEBN	Eben Emael	77.82	340	eP	P	14 28 43.5	+0.5
BZS	Buzias	77.91	328	eP	P	14 28 43.6	-0.1

DRS 14 15:44:32.0, 4.0, 41.69N, 46.20E, h10km
MOS 14 15:44:34.2, 0.0, 41.72N, 46.35E, h8km, MPVA3.5
TIF 14 15:44:35.4, 4.1, 84N, 46.42E, h35km, 1km
ISC 14 15:44:37.4, 1.1, 41.75N, 0.03, 46.34E, 0.02, h26km, 12km,
n19, r126/38, Eastern Caucasus

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s, ISC. Rows include DDFL Defolistarskaro, KMKR Kumukh, GNBGR Gubni, etc.

Table with columns: KRER Koryakskii, SDR Sedovina, SDR Sedovina, KRX Arik, etc. Rows include KRER Koryakskii, SDR Sedovina, KRX Arik, GNL Ganaly, etc.

Table with columns: MAT Ohasama, JOM Hachio jima 2, JHU Hachio jima 2, ASAJ Asahikawa, etc. Rows include MAT Ohasama, JOM Hachio jima 2, JHU Hachio jima 2, ASAJ Asahikawa, etc.

ISCJB 14 15:55:50.4, 0.5, 48.23N, 0.06, 154.76E, 0.09, h43km,
mb3.9/20, MS2.9/4, Error ellipse: s-maj=11.4km
s-min=3.4km az=43.0

USRK Ussuriysk Arr 16.25 264
Korea Array 20.33 29 P
BMKR Bormnak 17.32 302 EP
KROS Kirovskiy 18.34 300 ex
KRSR KRSR 22.25 251 P

BUI 14 16:25:49.3, 1.8, 82S, 26.96E, h4km, mb5.0/9, MB5.2/6,
Ms4.7/2, Ms7.4/6
ISCJB 14 16:25:52.0, 0.3, 1.06S, 0.05, 26.86E, 0.05, h10km,
mb4.4/23, MS3.7/12, Error ellipse: s-maj=7.4km
s-min=6.7km az=139.6

KRSC 14 15:55:50.2, 1.7, 48.20N, 154.89E, h101km, 35km, ML4.3
SKHL 14 15:55:50.4, 0.0, 47.92N, 155.39E, h62km, mb4.6/4
MOS 14 15:55:52.7, 0.9, 48.37N, 154.63E, h72km, mb4.1/15, Error
ellipse: s-maj=14.7km s-min=4.7km az=72.4

USRK Ussuriysk Arr 16.25 264
Korea Array 20.33 29 P
BMKR Bormnak 17.32 302 EP
KROS Kirovskiy 18.34 300 ex
KRSR KRSR 22.25 251 P

IDC 14 15:55:57.1, 3.2, 48.35N, 154.38E, h92km, 28km, mb3.5/19,
mb1.3/8.23, mb1mx3.7/40, mbtmp3.9/23, MS2.9/6,
Ms1.2/9.6, ms1mx2.7/37, Error ellipse: s-maj=16.6km
s-min=12.7km az=138.0

ISC 14 15:55:51.7, 0.7, 48.26N, 0.09, 154.75E, 0.09, h43km, n89,
r181/103, mb3.8/20, MS2.9/4, 1D, Kuril Islands

USRK Ussuriysk Arr 16.25 264
Korea Array 20.33 29 P
BMKR Bormnak 17.32 302 EP
KROS Kirovskiy 18.34 300 ex
KRSR KRSR 22.25 251 P

IDC 14 16:25:52.5, 0.7, 1.06S, 26.87E, h0km, mb4.2/16,
mb1.4/3.19, mb1mx4.1/47, mbtmp4.3/19, ML4.4/3, MS3.7/14,
Ms1.3/7.14, ms1mx3.5/29, Error ellipse: s-maj=14.3km
s-min=14.2km az=155.0

ISC 14 15:55:51.7, 0.7, 48.26N, 0.09, 154.75E, 0.09, h43km, n89,
r181/103, mb3.8/20, MS2.9/4, 1D, Kuril Islands

USRK Ussuriysk Arr 16.25 264
Korea Array 20.33 29 P
BMKR Bormnak 17.32 302 EP
KROS Kirovskiy 18.34 300 ex
KRSR KRSR 22.25 251 P

IDC 14 16:25:52.5, 0.7, 1.06S, 26.87E, h0km, mb4.2/16,
mb1.4/3.19, mb1mx4.1/47, mbtmp4.3/19, ML4.4/3, MS3.7/14,
Ms1.3/7.14, ms1mx3.5/29, Error ellipse: s-maj=14.3km
s-min=14.2km az=155.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s, ISC. Rows include SKR Severo-Kuril's, SKR Severo-Kuril's, SKR Severo-Kuril's, etc.

Table with columns: KURK Kurchatov, KURK Kurchatov, KURK Kurchatov, etc. Rows include KURK Kurchatov, KURK Kurchatov, KURK Kurchatov, etc.

Table with columns: MAT Ohasama, JOM Hachio jima 2, JHU Hachio jima 2, ASAJ Asahikawa, etc. Rows include MAT Ohasama, JOM Hachio jima 2, JHU Hachio jima 2, ASAJ Asahikawa, etc.

ISC 14 16:01:13.6, 0.7, 25.64S, 70.56W, h78km, 9km, ML3.6,
Near coast of northern Chile

USRK Ussuriysk Arr 16.25 264
Korea Array 20.33 29 P
BMKR Bormnak 17.32 302 EP
KROS Kirovskiy 18.34 300 ex
KRSR KRSR 22.25 251 P

IDC 14 16:03:25.3, 0.8, 36.10N, 142.35E, h0km, mb3.6/8,
mb1.3/8.10, mb1mx3.8/34, mbtmp3.6/10, ML2.2, Error
ellipse: s-maj=18.9km s-min=15.2km az=152.0
ISCJB 14 16:03:26.6, 0.6, 36.18N, 142.38E, 0.05, h18km,
mb3.6/8, Error ellipse: s-maj=7.3km s-min=5.5km
az=153.2

ISC 14 16:01:13.6, 0.7, 25.64S, 70.56W, h78km, 9km, ML3.6,
Near coast of northern Chile

USRK Ussuriysk Arr 16.25 264
Korea Array 20.33 29 P
BMKR Bormnak 17.32 302 EP
KROS Kirovskiy 18.34 300 ex
KRSR KRSR 22.25 251 P

IDC 14 16:03:25.3, 0.8, 36.10N, 142.35E, h0km, mb3.6/8,
mb1.3/8.10, mb1mx3.8/34, mbtmp3.6/10, ML2.2, Error
ellipse: s-maj=18.9km s-min=15.2km az=152.0
ISCJB 14 16:03:26.6, 0.6, 36.18N, 142.38E, 0.05, h18km,
mb3.6/8, Error ellipse: s-maj=7.3km s-min=5.5km
az=153.2

ISC 14 16:03:28.5, 0.2, 36.19N, 142.37E, h68km, M3.4
ISC 14 16:03:27.6, 0.8, 36.15N, 142.40E, 0.06, h18km, n24,
r125/33, mb3.6/8, Off east coast of Honshu

USRK Ussuriysk Arr 16.25 264
Korea Array 20.33 29 P
BMKR Bormnak 17.32 302 EP
KROS Kirovskiy 18.34 300 ex
KRSR KRSR 22.25 251 P

IDC 14 16:03:28.5, 0.2, 36.19N, 142.37E, h68km, M3.4
ISC 14 16:03:27.6, 0.8, 36.15N, 142.40E, 0.06, h18km, n24,
r125/33, mb3.6/8, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s, ISC. Rows include SKR Severo-Kuril's, SKR Severo-Kuril's, SKR Severo-Kuril's, etc.

Table with columns: GUC 14 16:01:13.6, 0.7, 25.64S, 70.56W, h78km, 9km, ML3.6,
Near coast of northern Chile. Rows include PB14 IPOC Station P, G003 Copiap, PB10 IPOC Station P, etc.

Table with columns: MAT Ohasama, JOM Hachio jima 2, JHU Hachio jima 2, ASAJ Asahikawa, etc. Rows include MAT Ohasama, JOM Hachio jima 2, JHU Hachio jima 2, ASAJ Asahikawa, etc.

14d 16h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Dobruska-Polom, Hyderabad, Suwalki, Kashi, etc.

BUI 14 16:30:06.7, 40.93N, 73.91E, h6km, mb4.1/12, mB4.6/7, M4.4/6, Ms4.1/6, Ms7.3/9.2
NNC 14 16:30:07.7, 1.0, 40.79N, 74.13E, h0km, mb4.8, mpv4.5, Error ellipse: s-maj=13.3km s-min=4.8km az=108.0
IDC 14 16:30:07.5, 0.8, 40.74N, 74.13E, h0km, mb3.8/16, mb1.4/0.21, mb1mx3.8/5.5, mbmp3.8/2.1, ML3.2/5, MS3.3/8, Ms1.3/3.8, ms1mx3.1/3.4, Error ellipse: s-maj=13.0km s-min=11.8km az=170.0

Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Sufi-Kurgan, Arsalanbob, Aral, Almayashu, etc.

2012 OCT

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FRU1, Bishkek, Ulaohol, etc.

660

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KURS, Baital, BTLs, etc.

14d 17h

Table with columns: Station Name, Frequency, Azimuth, Elevation, SNR, and other parameters. Includes stations like FINES, KBZ, AKASG, etc.

ADC 14 17:18:56.8-6.8, 13.33Sx13.26W, h0km, mb3.74, mb1 3.8/4, mb1mx3.5/29, mbtmp3.7/4, MS3.1/1, Ms1 3.1/1, ms1mx2.6/22, Error ellipse: s-maj=222.6km s-min=124.3km az=143.0, Southern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Frequency, Azimuth, Elevation, SNR, and other parameters. Includes stations like H10S2, H10S3, H10S1, etc.

ROM 14 17:32:37.5-0.1, 39.840N, 0004.16'234E, 0'004, h9km, ML2.1/13, Southern Italy

Table with columns: Code, Station Name, Frequency, Azimuth, Elevation, SNR, and other parameters. Includes stations like SALB, T0702, MMN, etc.

ORI Oriolo Calabro 0.28 36 P Pg 17 32 43.8 +0.7 S Sb 17 32 48.4 -1.1

CUC CUC 0.36 296 P Pb 17 32 45.3 -0.7

Table with columns: Code, Station Name, Frequency, Azimuth, Elevation, SNR, and other parameters. Includes stations like CET2, SCHR, SCHR, etc.

2012 OCT

Table with columns: Code, Station Name, Frequency, Azimuth, Elevation, SNR, and other parameters. Includes stations like SIRI, CELI, MTSN, etc.

ROM 14 17:33:37.5-0.1, 38.272N, 0'003.15'774E, 0'005, h17km, ML1.9/3, Sicily

Table with columns: Code, Station Name, Frequency, Azimuth, Elevation, SNR, and other parameters. Includes stations like MSCL, CEL, GMB, etc.

ISCJB 14 17:43:12.4-0.6, 32.36N, 0'03.115'22W, 0'04, h12km, 3km, Error ellipse: s-maj=6.0km s-min=4.6km az=149.8

ECX 14 17:43:14.1-0.6, 32.37N, 115'22W, h5km, MD3.0, ML3.2

ISC 14 17:43:11.1-1.0, 32.38N, 0'03.115'11W, 0'03, h16km, 6km, n31, c076/39, 6D, California-Baja California border region

Table with columns: Code, Station Name, Frequency, Azimuth, Elevation, SNR, and other parameters. Includes stations like MBIG, COA, WESC, etc.

Table with columns: Code, Station Name, Frequency, Azimuth, Elevation, SNR, and other parameters. Includes stations like 109C, 214A, PDMCI, etc.

ATH 14 17:48:10.8, 34'60N, 23'75E, h9km, 3km, ML3.1/10, Error ellipse: s-maj=4.4km s-min=1.5km az=35.0

THE 14 17:48:11.2, 34'66N, 23'76E, h0km, 4km, ML3.5/3, Error ellipse: s-maj=6.2km s-min=1.4km az=209.0

ISC 14 17:48:12.9-1.3, 34'72N, 0'06.23'80E, 0'04, h19km, 3km, n32, c137/43, Crete

Table with columns: Code, Station Name, Frequency, Azimuth, Elevation, SNR, and other parameters. Includes stations like GVD, VAM, SIVA, etc.

MOS 14 17:48:58.4-0.0, 41'76N, 46'32E, h15km, 1km, MPVA2.8

ISC 14 17:48:59.7-1.2, 41'77N, 0'03.46'28E, 0'03, h7km, 11km, n17, c139/33, Eastern Caucasus

Table with columns: Code, Station Name, Frequency, Azimuth, Elevation, SNR, and other parameters. Includes stations like DDFL, DGRG, GNBUR, etc.

DDA 14 17:51:27.2, 36'90N, 28'95E, h7km, ML2.5, Suspected Mining explosion

ISC 14 17:51:27.2, 36'86N, 28'94E, h5km, ML2.0/6

ISC 14 17:51:27.2, 36'88N, 0'03.28'99E, 0'02, h0km, 11km, n24, c184/40, Dodecanese Islands

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

ISCJCB 14 18:17:46.2, 2.7, 31.755:0.03:70.55W, 0.06, h5km, 22.2km, Error ellipse: s-maj=8.5km s-min=5.2km az=11.8

GUC 14 18:17:46.8, 0.7, 31.765:0.03:70.91W, h65km, ML2.2

SJA 14 18:17:47.2, 0.3, 31.805:0.07:70.40W, h8km, 4km, ML1.8, MV2.6

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

IDC 14 19:01:11.4, 46.0, 16.71S, 172.34W, h0km, mb3.9/3, mb1 4.1/3, mb1mx3.4/3, mbtmp3.9/3, Error ellipse: s-maj=885.6km s-min=188.0km az=80.0, Samoa Islands region

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

GUC 14 19:02:55.0, 7.1, 19.40S:0.7025W, h53km, 2km, ML3.5, Near coast of northern Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PSCG, PB11, PB12, etc.

MOS 14 19:04:44.2, 4.8, 48.18N:155.90E, h10km, mb4.2/1, Error ellipse: s-maj=93.8km s-min=6.7km az=79.2

KRSC 14 19:04:44.2, 1.4, 48.18N:155.90E, h10km, 50km, ML4.0

SKHL 14 19:04:47.3, 0.4, 48.17N:155.92E, h52km, 5km, mb4.2/1

ISC 14 19:04:46.8, 2.6, 48.18N:0.2:155.1E:0.2, h35km, n9, s1949.54, Kuril Islands

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

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

comp=E, 136nm, 0.5s

comp=E, 31nm, 0.7s

comp=N, 35nm, 0.7s

comp=E, 31nm, 0.6s

comp=E, 23nm, 0.8s

IDC 14 19:07:19.3, 5.4, 12.06S:167.36E, h0km, mb3.4/3, mb1 3.7/3, mb1mx3.4/3, mbtmp3.4/3, Error ellipse: s-maj=273.2km s-min=30.4km az=140.0, Santa Cruz Islands

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

ISCJCB 14 19:11:02.0, 0.4, 4.56S:0.04:35.87E:0.06, h10km, mb4.0/12, MS3.5/3, Error ellipse: s-maj=9.4km s-min=5.7km az=165.0

IDC 14 19:11:02.0, 7.4, 6.25S:35.94E, h0km, mb4.0/11, mb1 4.2/14, mb1mx4.0/30, mbtmp4.1/14, ML4.2/4, MS3.1/5, MS1 3.1/5, ms1mx2.8/34, Error ellipse: s-maj=24.8km s-min=15.6km az=95.0

NEIC 14 19:11:04.2, 0.5, 4.57S:35.82E, h10km, mb4.2/1, Error ellipse: s-maj=15.4km s-min=9.6km az=96.0

ISC 14 19:11:03.8, 0.6, 4.60S:0.06:35.89E:0.07, h10km, n24, s1822.23, mb4.1/2, MS3.3/3, Tanzania

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

comp=Z, 31nm, 20.9s, baz=82, slow=36

comp=Z, 77m, 18.8s, baz=280, slow=37

comp=Z, 38nm, 19.1s, baz=100, slow=37

comp=Z, 38nm, 19.1s, baz=100, slow=37

comp=Z, 38nm, 19.1s, baz=100, slow=37

comp=Z, 38nm, 19.1s, baz=100, slow=37

comp=Z, 38nm, 19.1s, baz=100, slow=37

comp=Z, 38nm, 19.1s, baz=100, slow=37

comp=Z, 38nm, 19.1s, baz=100, slow=37

comp=Z, 38nm, 19.1s, baz=100, slow=37

comp=Z, 38nm, 19.1s, baz=100, slow=37

comp=Z, 38nm, 19.1s, baz=100, slow=37

comp=Z, 38nm, 19.1s, baz=100, slow=37

comp=Z, 38nm, 19.1s, baz=100, slow=37

comp=Z, 38nm, 19.1s, baz=100, slow=37

comp=Z, 38nm, 19.1s, baz=100, slow=37

comp=Z, 38nm, 19.1s, baz=100, slow=37

comp=Z, 38nm, 19.1s, baz=100, slow=37

comp=Z, 38nm, 19.1s, baz=100, slow=37

comp=Z, 38nm, 19.1s, baz=100, slow=37

comp=Z, 38nm, 19.1s, baz=100, slow=37

comp=Z, 38nm, 19.1s, baz=100, slow=37

comp=Z, 38nm, 19.1s, baz=100, slow=37

comp=Z, 38nm, 19.1s, baz=100, slow=37

comp=Z, 38nm, 19.1s, baz=100, slow=37

comp=Z, 38nm, 19.1s, baz=100, slow=37

comp=Z, 38nm, 19.1s, baz=100, slow=37

comp=Z, 38nm, 19.1s, baz=100, slow=37

comp=Z, 38nm, 19.1s, baz=100, slow=37

comp=Z, 38nm, 19.1s, baz=100, slow=37

mb4.0/6, MS3.6/1, Error ellipse: s-maj=23.8km s-min=10.0km az=177.5

NEIC 14 19:28:23.9, 0.8, 29.92S:177.66W, h35km, mb4.2/1, Error ellipse: s-maj=18.9km s-min=13.1km az=82.0

ISC 14 19:28:24.0, 1.1, 29.97S:0.10:177.6W:0.2, h35km, n9, s081/10, mb4.0/6, Kermadec Islands

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

KRSC 14 19:36:49.0, 0.5, 55.58N:162.21E, h83km, 10km, ML5.3

MOS 14 19:36:50.7, 0.8, 55.65N:161.96E, h83km, mb4.7/27, Error ellipse: s-maj=7.1km s-min=3.6km az=82.4

MOS Felt (I) at Kiyuchi

BUI 14 19:36:50.2, 55.60N:161.80E, h83km, mb4.7/37, mb4.9/25, Ms4.7/8, Ms7.4/6

IDC 14 19:36:51.5, 0.5, 55.70N:161.84E, h69km, 4km, mb4.1/29, mb1 4.3/33, mb1mx4.3/43, mbtmp4.4/33, MS3.6/16, Ms1 3.6/16, ms1mx3.4/30, Error ellipse: s-maj=11.7km s-min=9.7km az=132.0

GCMT 14 19:36:51.0, 0.4, 55.63N:0.03:162.40E:0.05, h79km, 4km, MW4.8/77, Moment Tensor Solution, s17.c17, s77.c08; Duration: 0 Moment tensor: Scale 10^19Nm; M1: 1.36; M2: 1.75; M3: 1.0; M4: 0.38; M5: 1.0; M6: 1.4; M7: 0.4; M8: 0.04; M9: 0.6; Best double couple: M2: 0.46000e+10; NP2: 0.230880000, 0.6300000, 1.0800000; Principal axes: T 1.7880, Plg6.70000, Azm31.00000; N 0.5080, Plg16.00000; Azm260.00000; P -2.3030, Plg17.00000; Azm165.00000; nst1 refers to body waves, cutoff=40s; nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISCJCB 14 19:36:51.1, 0.2, 55.66N:0.02:161.91E:0.03, h85km, 2km, mb4.6/99, Error ellipse: s-maj=3.7km s-min=2.5km az=38.6

NEIC 14 19:36:52.9, 0.7, 55.70N:161.82E, h85km, 7km, mb4.8/29, Error ellipse: s-maj=6.5km s-min=4.4km az=156.0

ISC 14 19:36:51.6, 0.4, 55.62N:0.03:162.07E:0.03, h74km, 3km, h74km, n24, s1822.451, mb4.7/102, 32C-14D, Near east coast of Kamchatka Peninsula

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

IDC 14 21:00:59.8:3.1,5.02S:133.63E,h0km,mb3.8/1,
mb1 3.9/5,mb1mx3.6/30,mbtmp3.8/5,ML3.7/4,MS4.0/3,
MS1 4.0/3,ms1mx3.0/32,Error ellipse: s-maj=121.6km
s-min=25.6km az=79.0, Azimuth region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC, h m s. Includes stations like Sorong, Davo City (W), Warramunga Arr, Alice Springs, Asahikawa, etc.

MOS 14 21:02:53.5:0.0,41.76N:46.33E,h16km,MPVA3.8
NSSP 14 21:02:53.4,41.67N:46.27E,h10km,MS2.2
TIF 14 21:02:54.5,41.82N:46.31E,h21km,3km
DRS 14 21:02:55.4:0.0,41.74N:46.29E,h14km
MOS 14 21:02:55.3:1.0,41.72N:46.36E,h15km,mb4.0/1, Error
ellipse: s-maj=7.2km s-min=5.3km az=9.4
DDA 14 21:03:25.6,40.54N:43.81E,h7km,MI2.0
ISC 14 21:02:54.2:1.1,41.73N:0.02:46.29E:0.02,h2km,10km,
n76,+099B/139,11C-4D,Eastern Caucasus

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC, h m s. Includes stations like Dedoflistskaro, Kumukh, David-gareji, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC, h m s. Includes stations like Kumukh, David-gareji, Gunib, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC, h m s. Includes stations like Arakani, Arakir, Arkr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC, h m s. Includes stations like Karanay, Vedeno, DVE, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC, h m s. Includes stations like Dym, Kasumkent, Kazreti, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC, h m s. Includes stations like Derbent, Dym, DLRM, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC, h m s. Includes stations like GNI, ZEI, ARNR, BGD, KORR, etc.

NIED 14 21:23:00,38.70N:142.30E,h44km,Mw3.9 Best double
couple: M0.510000:1014 NP1:0.155.00000:0.19.000000:
1.19.000000: NP2:0.47.00000:0.84.000000:0.108.000000:
ISC/JB 14 21:23:57.4:1.0,38.73N:0.04:142.35E:0.09,
h44km,11km,mb3.6/5, Error ellipse: s-maj=12.2km
s-min=6.1km az=19.3
JMA 14 21:23:59.5:0.0,1.38:71N:142:26E,h39km,1km,M3.9
JMA Fellt J1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC, h m s. Includes stations like Honshu, OFUJ, Oufunato, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC, h m s. Includes stations like JMK, JOM, JOH, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC, h m s. Includes stations like MAT, ASAJ, Hachio, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC, h m s. Includes stations like USRK, KSRs, KLR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC, h m s. Includes stations like JAHd, JARk, JOt, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC, h m s. Includes stations like JKB, JNBK, JEM, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC, h m s. Includes stations like FITZ, WRA, FINES, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC, h m s. Includes stations like RABL, DZM, WR1, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC, h m s. Includes stations like ASAJ, ASAR, STKA, etc.

GERES GERRS Array B 126.77 329 PKP PKPdf 22 08 10.9 +0.6
1.6m, 0.7s, baz=82, slow=1.9, SNR=1.1
TORD Torodi Ar. Bea 152.60 285 PKPbc PKPbc 22 09 02.3 -1.8
1.6m, 0.7s, baz=111, slow=2.9, SNR=1.3
TOA1 Torodi Ar. Sit 152.61 285 eFPKbc PKPbc 22 09 02.3 -1.8

ISCJB 14 21:49:25.1±0.5, 9.37S, 0.07°124.15E±0.06, h100km,
mb4.0/3, Error ellipse: s-maj=12.0km s-min=5.3km
az=41.4

DJA 14 21:49:26.2±0.6, 9.38S, 0.12°124.15E±0.06, h100km,
mb4.9/3, mB5.0/3, MLV4.3/6, Mw(mb)4.3/3
IDC 14 21:49:28.2±1.9, 9.36S, 124.22E, h115km±23km, mB3.7/3,
mb1.4/7, mb1mx3.6/3, mbtmp4.4/7, MS2.7/1, Ms1.2/9.1,
ms1mx2.4/2.7, Error ellipse: s-maj=49.1km s-min=20.1km
az=46.0

ISC 14 21:49:25.6±0.8, 9.29S, 0.07°124.29E±0.09, h100km, n29,
±25/35, mb4.1/3, TMR region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their coordinates.

IDC 14 22:04:24.9±1.2, 3.55S, 140.00E, h0km, mb3.7/6,
mb1.3/9.6, mb1mx3.6/3.1, mbtmp3.8/6, ML3.6/1, Error
ellipse: s-maj=54.7km s-min=13.0km az=129.0

ISC 14 22:04:30.2±0.9, 3.74S, 140.00E±0.02, h56km, n9,
±25/31, mb3.6/4, Irian Jaya

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their coordinates.

ISCJB 14 22:30:59.8±0.4, 21.11S, 0.04°69.00W±0.06, h123km±4km,
mb3.9/6, Error ellipse: s-maj=9.8km s-min=5.7km
az=169.1

GUC 14 22:31:00.9±1.0, 21.11S, 69.01W, h109km±6km, ML4.2
IDC 14 22:31:02.2±7.7, 21.09S, 68.76W, h125km±23km, mB3.7/6,
mb1.3/9.9, mb1mx3.5/3.1, mbtmp4.0/9, Error ellipse:
s-maj=24.5km s-min=19.4km az=73.0

SJA 14 22:31:22.5±0.3, 21.95S, 67.22W, h132km±14km, ML2.9,
MW2.6
ISC 14 22:31:00.6±0.7, 21.10S, 0.04°68.94W±0.07, h115km±6km,
n25, ±139/36, mb4.0/6, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their coordinates.

Table with columns: YJA, HJA, AZAP, SLA, LAZ, LPAZ, ALOL, CPUP, PLCA, PTGA, MDP, TXAR, DBIC, NVAR, TORD, WRA, MKAR. Lists seismic stations and their coordinates.

ISCJB 14 22:35:06.6±0.6, 6.37S, 137.33N, 0.03°37.12E±0.03, h5km±6km,
Error ellipse: s-maj=5.9km s-min=4.0km az=32.9
DDA 14 22:35:06.4, 37.33N, 37.14E, h7km, ML2.6
ISK 14 22:35:06.1, 37.35N, 37.12E, h8km, ML1.7/5
ISC 14 22:35:06.1, 37.35N, 0.03°37.13E±0.03, h9km±8km,

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their coordinates.

ISC 14 22:38:06.6, 36.96N, 28.35E, h4km, ML1.7/8
DDA 14 22:38:07.2, 36.95N, 28.35E, h7km, ML2.5, Suspected
Mining explosion.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their coordinates.

UCR 14 22:40:46.8±1.7, 12.36N, 89.12W, h14km±8km, ML4.2,
mb4.5(NEIC)
ISCJB 14 22:40:51.3±0.5, 12.59N, 0.04°88.98W±0.03, h39km±3km,
mb4.5/90, MS3.7/10, Error ellipse: s-maj=7.0km
s-min=3.6km az=28.1

IDC 14 22:40:53.8±2.2, 12.82N, 88.77W, h41km±19km, mb4.0/12,
mb1.4/2/16, mb1mx4.0/3.3, mbtmp4.2/16, ML3.7/4, MS3.7/10,
Ms1.3/7/10, ms1mx3.4/2.5, Error ellipse: s-maj=1.6km
s-min=1.4km az=47.0

NEIC 14 22:40:55.3±2.5, 12.77N, 88.84W, h52km±6km, mb4.5/103,
MD4.2, MD4.4(SNET), Error ellipse: s-maj=17.3km
s-min=8.4km az=219.0

NEIC Felt [I] at Zacatecoluca.
ISC 14 22:40:53.6±1.1, 12.63N, 0.06°88.96W±0.05, h45km±10km,
n246, ±146/351, mb4.5/90, MS3.7/10, Off coast of Central
America

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their coordinates.

Table with columns: CNCH, SBL, SNJE, CSGN, RTR, UCN, LGN, TEL3, TGUH, TGUH, COPN, MOMM, APG, MATN, BOAB, BOAB, CONN, JTS, JTS, CCIG, TGIG, CMIG, TEIG, TEIG, TLIG, JRCG, LINA, POPC, SOTA, PCON, OTAV, OTAV, GOCF, ROFC, ZAIG, PRAC, FLOC, HKT, SDV, SDV, 833A, 833A, 342A, 342A, 341A, 341A, 353A, 249A, 245A, 247A, TIGA, 248A, 242A, 251A, 252A, 435B, 435B, NATX, 147A, 148A, 149A, 150A, 151A, 151A, 152A, LRAL, LRAL, JCT, JCT, Z47A, Z47A, Z49A, Z48A, Z48A, Z50A, 155A, WHTX, WHTX, Z41A, Z41A, Z51A, Z40A, 156A, Z53A, Y45A, Y46A, HPIG, Y47A, Y48A, Y49A, Y49A, Y44A. Lists seismic stations and their coordinates.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their coordinates.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their coordinates.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their coordinates.

Y42A	Garnett, Star	21.27 354	P	P	22 45 38.8 +2.7
GOGA	Godfrey	21.29 13	eP	P	22 45 37.8 +1.5
GOGA	Godfrey	21.29 13	P	P	22 45 37.6 +1.3
CCAR	Cane Creek	21.35 354	eP	P	22 45 41.2 +4.2
Y50A	Piedmont	21.37 7	P	P	22 45 39.3 +2.1
Y41A	Eaglette Beard	21.42 352	P	P	22 45 38.3 +0.6
Y51A	Rockmart	21.47 9	P	P	22 45 38.5 +0.2
LTX	Lajitas	21.52 323	eP	P	22 45 39.9 +0.9
TXAR	Lajitas Array	21.52 323	P	P	22 45 39.9 +0.9
TXAR	Lajitas Array	21.52 323	P	LR	22 55 47.7
TX31	Lajitas Ar. Si	21.52 323	eP	P	22 45 39.1 +0.1
TX31	Lajitas Ar. Si	21.52 323	eP	P	22 45 39.8 +0.8
Y52A	Lilburn	21.61 11	P	P	22 45 40.0 +0.2
Y40A	Okolona	21.65 350	P	P	22 45 41.1 +0.9
Y53A	UM Field Station	21.69 12	P	P	22 45 41.2 +0.5
X45A	UM Field Station	21.70 359	P	P	22 45 41.6 +0.9
OXF	Oxford	21.79 359	P	P	22 45 43.8 +2.1
X48A	Hartselle	21.80 4	P	P	22 45 42.2 +0.4
X47A	Russelville	21.82 2	P	P	22 45 42.6 +0.6
Y54A	Tignall	21.90 14	P	P	22 45 44.6 +1.7
X49A	Woodville	21.92 6	P	P	22 45 42.9 -0.1
X50B	Fort Payne	21.94 7	P	P	22 45 43.9 +0.5
X41A	Kaden, Bauxite	22.01 352	P	P	22 45 44.2 +0.2
X40A	Basin Creek Fa	22.05 351	eP	P	22 45 43.2 -1.2
X40A	Basin Creek Fa	22.05 351	P	P	22 45 44.8 +0.4
ABTX	Abilene, Hawle	22.18 336	eP	P	22 45 44.9 -1.1
ABTX	Abilene, Hawle	22.18 336	P	P	22 45 45.0 -1.0
MIAR	Mount Ida	22.22 350	eP	P	22 45 46.3 0.0
MIAR	Mount Ida	22.22 350	P	P	22 45 46.5 +0.2
UALR	University of	22.26 353	eP	P	22 45 49.0 +2.3
X39A	Fountain Ranch	22.28 349	P	P	22 45 48.2 +1.2
X52A	Dahlonega	22.36 11	P	P	22 45 47.6 -0.2
W48A	Pulaski	22.49 4	P	P	22 45 48.8 -0.4
W49A	Belvidere	22.52 6	P	P	22 45 49.1 -0.5
W47A	Westpoint	22.56 3	P	P	22 45 49.9 0.0
W41B	Gary Mavity, V	22.64 353	eP	P	22 45 51.3 +0.5
W41B	Gary Mavity, V	22.64 353	P	P	22 45 51.1 +0.2
W51A	Cleveland	22.75 9	P	P	22 45 52.1 +0.1
W40A	Ferguson Farm,	22.77 351	P	P	22 45 52.9 +0.7
W39A	Magazine	22.89 350	eP	P	22 45 53.9 +0.5
W39A	Magazine	22.89 350	P	P	22 45 53.9 +0.5
V46A	Holladay	23.09 2	P	P	22 45 54.7 -0.7
V48A	Smith Brothers	23.09 4	P	P	22 45 54.9 -0.6
V47A	Nunnally	23.14 3	P	P	22 45 55.7 -0.2
V42A	Cord	23.18 355	P	P	22 45 56.0 -0.4
V49A	McMinnville	23.20 6	P	P	22 45 56.2 -0.4
V50A	Pikeville	23.21 8	P	P	22 45 56.5 -0.1
V41A	Mountainview	23.24 353	P	P	22 45 57.0 0.0
V40A	Witts Springs	23.34 352	P	P	22 45 58.1 +0.1
TKL	Tuckaleechee C	23.40 11	eP	P	22 45 58.2 -0.3
TKL	Tuckaleechee C	23.40 11	P	P	22 45 58.2 -0.3
KMSC	Kings Mountain	23.45 16	eP	P	22 45 59.5 +0.5
KMSC	Kings Mountain	23.45 16	P	P	22 45 59.1 +0.1
V39A	Pettigrew	23.49 350	P	P	22 45 59.3 -0.1
V53A	Saluda	23.60 13	eP	P	22 46 01.1 +0.6
V53A	Saluda	23.60 13	P	P	22 46 00.6 +0.1
U46A	Springville	23.64 2	P	P	22 46 01.1 +0.4
U43A	Rector	23.68 357	P	P	22 46 01.1 0.0
U42A	Reverend	23.71 355	P	P	22 46 01.4 0.0
WMOK	Wichita Mounta	23.75 340	eP	P	22 46 00.1 -1.7
WMOK	Wichita Mounta	23.75 340	P	P	22 46 00.2 -1.6
U47A	Clarksville	23.76 3	P	P	22 46 00.9 -1.0
U41A	Viola	23.76 354	P	P	22 46 01.9 0.0
U40A	Yellville	23.89 352	P	P	22 46 03.0 -0.1
PARMO	Parma	23.94 358	eP	P	22 46 04.9 +1.4
U49A	Red Boiling Sp	23.95 6	P	P	22 46 03.0 -0.7
U50A	Jamesstown	23.97 8	P	P	22 46 03.3 -0.6
HHAR	Hobbs	23.98 350	eP	P	22 46 03.3 -0.6
TUL1	Leonard	23.99 346	eP	P	22 46 03.4 -0.6
TUL1	Leonard	23.99 346	P	P	22 46 03.7 -0.3
U39A	Green Forest	24.00 351	P	P	22 46 04.1 0.0
U51A	La Follette	24.06 10	P	P	22 46 04.1 -0.6
PBMO	Poplar Bluff	24.08 357	eP	P	22 46 04.5 -0.4
MNTX	Cornudas Mount	24.26 324	eP	P	22 46 05.8 -0.8
MNTX	Cornudas Mount	24.26 324	P	P	22 46 06.4 -0.2
T47A	Sharon Grove	24.31 4	eP	P	22 46 06.2 -0.8
T47A	Sharon Grove	24.31 4	P	P	22 46 06.4 -0.5
U53A	Fall Branch	24.32 13	P	P	22 46 07.0 -0.1
T46A	Princeton	24.33 2	P	P	22 46 07.0 -0.1
T42A	Van Buren	24.37 356	eP	P	22 46 06.9 -0.6
T42A	Van Buren	24.37 356	P	P	22 46 07.3 -0.2
T43A	Greenville	24.38 357	P	P	22 46 07.3 -0.3
T41A	Mountain View	24.44 355	P	P	22 46 08.0 -0.1
T49A	Edmonton	24.57 7	P	P	22 46 08.3 -1.0
T50A	Graney	24.57 8	P	P	22 46 08.3 -1.0
T39A	Cleaver	24.61 351	P	P	22 46 09.6 -0.1
T40A	Mansfield	24.63 353	P	P	22 46 09.5 -0.3
MSTX	Mulshoe	24.69 332	eP	P	22 46 09.5 -1.1
MSTX	Mulshoe	24.69 332	P	P	22 46 09.8 -0.8
T38A	Diamond	24.77 350	P	P	22 46 10.7 -0.5
S43A	Fulton Ridge,	24.86 358	P	P	22 46 11.4 -0.5
AMTX	Amarillo	24.98 335	eP	P	22 46 13.2 0.0
AMTX	Amarillo	24.98 335	P	P	22 46 13.1 -0.1
S41A	Jilico Farms,	24.98 355	P	P	22 46 12.8 -0.2
S42A	Caledonia	25.09 357	P	P	22 46 13.3 -0.7
S39A	Bolivar	25.26 352	P	P	22 46 15.4 -0.1
S38A	Cathedral Cave	25.29 351	P	P	22 46 15.8 -0.1
CCM	Cathedral Cave	25.41 356	eP	P	22 46 16.4 -0.4
CCM	Cathedral Cave	25.41 356	P	P	22 46 16.3 -0.6
R45A	Skyler, Fairir	25.57 1	P	P	22 46 18.2 -0.1
R42A	Luebbering	25.60 357	P	P	22 46 18.1 -0.5
WCI	Wyandotte Cave	25.61 5	eP	P	22 46 18.2 -0.5
WCI	Wyandotte Cave	25.61 5	P	P	22 46 18.3 -0.3
R41A	Rosebud	25.66 356	P	P	22 46 18.7 -0.4
121A	Cookes Peak, D	26.27 322	P	P	22 46 24.7 -0.3
Q41A	Trulston	26.30 356	P	P	22 46 24.5 -0.5
Q47A	Bedord North L	26.30 4	P	P	22 46 23.3 -1.6
Q38A	Cooks Store, C	26.55 352	P	P	22 46 26.7 -0.5
Q51A	Peebles	26.76 10	P	P	22 46 27.9 -1.2
KSU1	Kansas State U	27.23 347	eP	P	22 46 32.7 -0.7
ANMO	Albuquerque	27.30 327	P	P	22 46 35.5 +1.3
TUC	Tucson	28.01 318	eP	P	22 46 41.8 +1.3
TUC	Tucson	28.01 318	P	P	22 46 41.7 +1.2
T25A	Trinidad	28.06 333	eP	P	22 46 41.8 +0.7
T25A	Trinidad	28.06 333	P	P	22 46 41.8 +0.7
KSCO	Kaye Shedlock	28.94 338	eP	P	22 46 49.1 +0.3
KSCO	Kaye Shedlock	28.94 338	P	P	22 46 48.8 0.0
SDCO	Great Sand Dun	29.05 332	P	P	22 46 50.9 +0.9
SDCO	Great Sand Dun	29.05 332	P	P	22 46 50.6 +0.7
214A	Organ Pipe Nat	29.16 315	P	P	22 46 51.4 +0.7
N54A	Moraine State	29.30 14	P	P	22 46 51.1 -0.7
L41A	Preston	29.37 358	P	P	22 46 51.7 -0.6
L40A	Anamosa	29.39 357	eP	P	22 46 51.3 -1.2
L40A	Anamosa	29.39 357	P	P	22 46 52.0 -0.5
S22A	4UR Ranch, Cre	29.67 331	eP	P	22 46 55.9 +0.4
S22A	4UR Ranch, Cre	29.67 331	P	P	22 46 55.6 +0.1
X16A	Lo Mia Camp, P	29.79 320	eP	P	22 46 57.9 +1.4
Q24A	Divide	29.91 334	P	P	22 46 57.3 -0.3
K39A	Oelwein	30.07 356	P	P	22 46 57.9 -0.7
WUAZ	Wupatki	30.48 322	eP	P	22 47 04.5 +2.0
WUAZ	Wupatki	30.48 322	P	P	22 47 04.1 +1.6
J41A	Loganville	30.64 358	P	P	22 47 03.6 0.0
J39A	Deolah	30.69 356	P	P	22 47 02.6 -1.4
ISCO	Idaho Springs	30.80 334	eP	P	22 47 06.2 +0.8
ISCO	Idaho Springs	30.80 334	P	P	22 47 06.1 +0.6
SMCO	Snowmass	30.89 332	eP	P	22 47 01.4 -4.9
PV13	Radium Mtn., P	30.98 329	eP	P	22 47 08.8 +1.9
PV03	Paradox Valley	31.06 329	eP	P	22 47 08.8 +1.1
PV18	Skein Mesa, Pa	31.09 329	eP	P	22 47 08.8 +0.9
PV12	Saucer Basin,	31.09 329	eP	P	22 47 08.7 +0.8
PV11	David Mesa, Pa	31.11 329	eP	P	22 47 09.0 +0.9
PV17	East Wyr Mesa	31.14 329	eP	P	22 47 09.1 +0.8
PV20	West Wyrsonger	31.19 329	eP	P	22 47 09.5 +0.7
I39A	Houston	31.19 356	eP	P	22 47 07.8 -0.7
PV14	Lion Creek, Pa	31.24 329	eP	P	22 47 10.0 +0.7
PV22	Blue Mesa, Pa	31.25 329	eP	P	22 47 11.1 +1.8
PV10	Parox Valley	31.25 329	eP	P	22 47 10.3 +0.9
I41A	Arkdale	31.33 359	P	P	22 47 09.4 -0.3
ECSD	EROS Data Cent	31.69 349	eP	P	22 47 11.4 -1.5
ECSD	EROS Data Cent	31.69 349	P	P	22 47 11.6 -1.3
W13A	Hualapai Mount	31.77 319	eP	P	22 47 13.8 -0.1
N23A	Red Feather La	31.86 335	eP	P	22 47 15.5 +0.8
N23A	Red Feather La	31.86 335	P	P	22 47 14.6 -0.1
H40A	Chill	31.91 358	P	P	22 47 13.9 -0.8
BC3	Big Chuckawall	31.95 315	P	P	22 47 16.5 +1.1
PHWY	Pilot Hill	32.01 336	eP	P	22 47 17.3 +1.3
IRM	Iron Mountain	32.03 316	P	P	22 47 16.8 +0.8
H38A	Maiden Rock	32.06 356	P	P	22 47 15.6 -0.5
MONPZ	Moment Peak	32.21 313	P	P	22 47 19.2 +1.4
O20A	White River Ci	32.24 332	eP	P	22 47 19.1 +1.1
O20A	White River Ci	32.24 332	P	P	22 47 18.6 +0.7
PKCU	Pink Cliffs	32.35 324	eP	P	22 47 22.1 +2.9
BELC	Belle Mtn. Jos	32.52 315	P	P	22 47 20.9 +0.5
G38A	Ridgeland	32.52 356	P	P	22 47 19.0 -0.1
G40A	Rib Lake	32.55 358	P	P	22 47 20.0 -0.4
G39A	Holcombe	32.60 357	P	P	22 47 20.1 -0.1
SPMN	Marine on St.	32.65 355	eP	P	22 47 20.1 -1.1
SPMN	Marine on St.	32.65 355	P	P	22 47 20.3 -0.9
MTPU	Mount Pierson	32.69 325	eP	P	22 47 23.3 +1.1
GMRC	Granite Mount	32.74 317	P	P	22 47 22.5 +0.1
SUSD	Miller	32.84 347	P	P	22 47 22.4

Table of astronomical observations for 14d 23h, listing station names, coordinates, and observation details.

Table of astronomical observations for 2012 OCT, listing station names, coordinates, and observation details.

Table of astronomical observations for 2012 OCT, listing station names, coordinates, and observation details.

NEIC 15:00:05:36.1±0.0,38:31S×175:99E,h195km,mb4.9/31,
AftWEL
NEIC Felt at Wellington.
ISCJB 15:00:05:37.9±0.1,38:36S:0:02:175:93E:0:03,h177km±1km,
mb4.9/63,Error ellipse: s-maj=3.8km s-min=3.0km
az=21.8
WEL 15:00:05:38.7±0.3S:1:17:6E:±,h170km±2km
IDC 15:00:05:38.7±0.4,38:05S×176:15E,h174km±3km,mb4.5/22,
mb1.4,6/22,mb1mx4.5/30,mbtmps:0.22,MS3.4/4,
Ms1.3/4.4,ms1mx3.1/20,Error ellipse: s-maj=12.6km
s-min=5.6km az=12.2

GCMT 15:00:05:41.1±0.4,38:29S:0:03:175:90E:0:04,h174km±4km,
MW5:0:65, Moment Tensor Solution, s20.c24; s46.c83;
Duration: 0 Moment tensor: Scale 10¹⁹Nm; Mr2:2.2±.15;
Ms-1.2±.23; Mw-1.07±.14; Mo-2.07±.14; Mo-2.2±.20;
Mo-1.07±.12; Best double couple: Mo3.65100×10¹⁶
Np1.9±74.00000,δ65.00000,λ124.00000. NP2:
0±196.00000,δ41.00000,λ0.00000. Principal axes: T
3.5570,Plg56.0000, Azm29.0000; N 0.1900,
Pig30.0000, Azm29.0000; P -3.7460,Plg14.0000,
Azm140.0000; nsta1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function

ISC 15:00:05:39.1±0.3,38:38S:0:03:175:95E:0:03,h178km±2km,
h178km±pp-P,n363,ε185/421,mb5.0/62,3C-2D,North
Island

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	Res
				Op	h s	ISC
GRRZ	Galatos Road	0.12	78	P	Pn	00 06 01.4 -1.3
KASHU	Kashu Road	0.15	222	P	Pn	00 06 03.7 -1.1
WRPZ	Whakapapatarin	0.22	132	P	Pn	00 06 01.6 -1.2
HSRZ	Hossack Road	0.24	75	P	Pn	00 06 01.5 -1.4
HRZR	Handcock Road	0.26	93	P	Pn	00 06 01.5 -1.4
UTU	Utuhina	0.27	44	P	Pn	00 06 01.6 -1.4
WHZT	Whakaora	0.29	179	P	Pn	00 06 02.2 -0.8
NGRZ	Ngonotaha	0.32	160	P	Pn	00 06 02.2 -0.9
TLZ	Tolley Road	0.33	278	P	Pn	00 06 02.2 -0.9
HLRZ	Highlands Stat	0.34	69	P	Pn	00 06 02.0 -1.2
ALRZ	Allen Road	0.36	122	S	Sn	00 06 01.7 -1.5
ALRZ	Alten Road	0.36	122	S	Sn	00 06 01.9 -2.4
PRRZ	Plateau Road	0.37	110	P	Pn	00 06 01.6 -1.5
WATRZ	Wairara	0.38	207	P	Pn	00 06 03.0 -1.1
KARZ	Kaharoa	0.42	33	P	Pn	00 06 01.6 -1.8
OMRZ	Omania	0.42	51	P	Pn	00 06 01.7 -1.8
RRRZ	Republican Roa	0.44	86	P	Pn	00 06 01.8 -1.7
TARZ	Mount Tararua	0.46	72	P	Pn	00 06 02.1 -1.6
MKRZ	Makaiti	0.46	43	P	Pn	00 06 02.1 -1.6
LRZ	Lichensteins R	0.50	43	P	Pn	00 06 02.0 -1.7
RATZ	Rangitukia	0.51	196	P	Pn	00 06 03.0 -0.7
HATZ	Hinemaiaia	0.53	168	P	Pn	00 06 02.8 -1.0
HATZ	Hinemaiaia	0.53	168	S	Sn	00 06 02.0 -2.8
KMRZ	Kaimai	0.53	359	P	Pn	00 06 02.2 -1.7
MRHZ	Matea Rd	0.58	142	S	Sn	00 06 02.1 -1.5
MRHZ	Matea Rd	0.58	142	S	Sn	00 06 19.9 -3.6
RITZ	Rihia Road	0.61	187	P	Pn	00 06 03.9 -0.2
KATZ	Kakaramea	0.63	199	P	Pn	00 06 03.9 -0.5
MUGZ	Murupara	0.65	99	P	Pn	00 06 02.6 -1.8
MUGZ	Murupara	0.65	99	S	Sn	00 06 02.1 -2.5
EDRZ	Edgcombue	0.67	67	P	Pn	00 06 02.6 -1.9
MARZ	Manawhe	0.69	56	P	Pn	00 06 02.9 -1.7
OPRZ	Tauranga	0.69	21	P	Pn	00 06 02.7 -2.0
TAZRZ	Ohinepanea	0.71	42	P	Pn	00 06 02.7 -2.0
OPRZ	Ohinepanea	0.71	42	S	Sn	00 06 20.8 -3.6
TOZ	Tahuroa Road	0.73	331	S	Sn	00 06 03.4 -1.4
TOZ	Tahuroa Road	0.73	331	S	Sn	00 06 21.8 -2.8
KRWZ	Karewarewa	0.76	199	P	Pn	00 06 04.6 -0.5
WTVZ	West Tongariro	0.79	201	P	Pn	00 06 04.9 -0.4
TWVZ	Taurewa	0.80	210	P	Pn	00 06 05.0 -0.3
TWVZ	Taurewa	0.80	210	S	Sn	00 06 24.4 -1.3
RTZ	Ruatahuna	0.84	107	S	Sn	00 06 02.3 -1.3
RTZ	Ruatahuna	0.84	107	S	Sn	00 06 23.0 -3.0
MTHZ	Mangataniwha	0.84	125	P	Pn	00 06 04.6 -0.9
MTHZ	Mangataniwha	0.84	125	S	Sn	00 06 22.9 -3.1
NGZ	Ngauruhoe	0.85	199	P	Pn	00 06 05.1 -0.6
HIZ	Hauti	0.87	261	ePn	Pn	00 06 05.0 -0.6
HIZ	Hauti	0.87	261	S	Sn	00 06 05.2 -0.5
HIZ	Hauti	0.87	261	S	Sn	00 06 25.4 -0.8
COVZ	Chateau Obsv	0.88	201	P	Pn	00 06 05.3 -0.6
BKZ	Black Stump Fm	0.90	152	ePn	Pn	00 06 05.2 -0.7
BKZ	Black Stump Fm	0.90	152	P	Pn	00 06 05.2 -0.7
BKZ	Black Stump Fm	0.90	152	S	Sn	00 06 05.2 -0.7
URZ	Urewera	0.92	83	P	Pn	00 06 03.8 -2.2
URZ	Urewera	0.92	83	S	Sn	00 06 22.4 -4.2
URZ	Urewera	0.92	83	S	Sn	00 06 286.56=1.1,SNR=16
URZ	Urewera	0.92	83	S	Sn	00 06 03.9 -2.2
TUVZ	Tukino	0.92	195	P	Pn	00 06 05.9 -0.3
FVWZ	Far West T-bar	0.93	200	P	Pn	00 06 05.8 -0.6
DRZ	Dome Shelter	0.95	199	P	Pn	00 06 05.5 -0.1
WHVZ	Whangahu Hut	0.95	199	P	Pn	00 06 05.5 -0.5
WRZ	Whale Island	0.96	356	P	Pn	00 06 04.4 -1.9
TRVZ	Turoa	0.98	199	P	Pn	00 06 06.2 -0.4
NMHZ	Naumai	0.98	138	P	Pn	00 06 06.6 -0.0
PKVZ	Pokaka	1.03	207	P	Pn	00 06 06.7 -0.2
RAHZ	Arahi	1.04	122	P	Pn	00 06 06.4 -0.5
MOVZ	Mowahango	1.04	199	P	Pn	00 06 06.2 -0.5
MTVZ	Mangateitei	1.08	200	P	Pn	00 06 07.2 -0.1
KWHZ	Kaweka Forest	1.11	161	P	Pn	00 06 07.3 -0.2
BHZ	Black Hill Sta	1.12	176	P	Pn	00 06 07.1 -0.5
MYRZ	Mayor Island	1.12	12	P	Pn	00 06 05.8 -1.7
RAGZ	Rawiri	1.13	196	P	Pn	00 06 05.5 -1.4
SNRZ	Shannon Statio	1.15	117	P	Pn	00 06 07.1 -0.7
VRZ	Vera Road	1.20	231	P	Pn	00 06 08.4 -0.3
ARHZ	Aroapanui	1.20	138	P	Pn	00 06 08.2 -0.0
MCHZ	McNeill Hill	1.22	152	P	Pn	00 06 08.6 +0.3
WHZ	Waihua	1.22	125	P	Pn	00 06 08.0 -0.4
MWZ	Matawai	1.24	89	P	Pn	00 06 06.9 -1.7
KHRZ	Kereri	1.31	166	P	Pn	00 06 09.0 -0.1
MKAZ	Moumakai	1.42	333	P	Pn	00 06 08.7 -1.5
RUGZ	Raukumara Rang	1.42	74	P	Pn	00 06 07.4 -2.8
MHGZ	Mangahewa	1.46	241	P	Pn	00 06 11.1 +0.7
RIGZ	Rimuhau	1.46	104	P	Pn	00 06 09.6 -0.9
TKGZ	Te Karaka	1.46	126	P	Pn	00 06 12.9 +0.8
KNZ	Kokohu	1.49	116	P	Pn	00 06 10.0 -0.8
KBAZ	Karaka Road Bo	1.53	326	P	Pn	00 06 09.9 -1.3
PNHZ	Pukenui	1.55	173	P	Pn	00 06 11.1 -0.3
CKHZ	Cape Kidnapper	1.55	146	P	Pn	00 06 11.5 +0.1
HAZ	Te Kaha	1.57	67	P	Pn	00 06 09.8 -2.5
MWZ	Mangahewa	1.57	208	P	Pn	00 06 11.8 +0.2
KAHZ	Kahurangi	1.59	153	P	Pn	00 06 12.0 +0.2
DREZ	Durham Road	1.59	239	P	Pn	00 06 12.5 +0.7
PRGZ	Parituro Road	1.61	310	P	Pn	00 06 11.2 +0.7
TWVZ	Tauwhareparea	1.61	84	P	Pn	00 06 10.7 -1.2
RAGZ	Lake Rotokare	1.62	126	P	Pn	00 06 12.9 +0.8
ETGZ	East Tamaki Re	1.64	330	P	Pn	00 06 10.7 -1.6
KUZ	Kuautunu	1.64	353	P	Pn	00 06 10.3 -1.9
AWAZ	Awhitu Peninsula	1.67	321	P	Pn	00 06 11.3 -1.3
TSZ	Takapari Road	1.68	180	P	Pn	00 06 12.5 +0.2
PREZ	Palmer Road	1.70	235	P	Pn	00 06 13.7 +0.8
MWAZ	Matakeke Island	1.71	249	P	Pn	00 06 12.9 +1.4
MHGZ	Mahia Peninsula	1.71	118	P	Pn	00 06 12.6 -0.4
WPHZ	Waipukurua	1.73	168	P	Pn	00 06 13.0 -0.1
PKGZ	Pukeiti	1.74	241	P	Pn	00 06 13.9 +0.6
PKEZ	Pakihoroa	1.74	74	P	Pn	00 06 11.5 -1.9
KHEZ	Kahui Hut	1.77	332	P	Pn	00 06 14.2 +0.5
ETGZ	Earnhart Statio	1.77	332	P	Pn	00 06 12.9 +0.4
EPAZ	East Park BICE	1.78	327	P	Pn	00 06 12.1 -1.6
PKAZ	Papanui	1.80	357	P	Pn	00 06 13.8 -0.1
HBAZ	Herne Bay Bore	1.81	327	P	Pn	00 06 12.4 -1.5
WTAZ	Waiaitua	1.81	322	P	Pn	00 06 12.9 -1.1
MWAZ	Motutapu North	1.81	322	P	Pn	00 06 12.5 -1.9
PUZ	Pukeiti	1.81	321	P	Pn	00 06 12.4 -1.9
OHVZ	Ohakea	1.89	195	P	Pn	00 06 15.2 +0.4
NMEZ	Namu Road	1.92	337	P	Pn	00 06 15.7 +0.6
DVHZ	Dannevirke	1.93	175	P	Pn	00 06 14.8 -0.4
RVVZ	Riverhead Bore	1.94	325	P	Pn	00 06 13.9 -1.5
PRHZ	Porangahua	1.95	126	P	Pn	00 06 14.2 +0.1
POWZ	Post Office R	2.02	184	P	Pn	00 06 15.8 -0.4
WMGZ	Waiomatatini S	2.02	75	P	Pn	00 06 14.4 -1.9
MXZ	Matakaoa Point	2.03	67	ePn	Pn	00 06 14.8 -1.5
MXZ	Matakaoa Point	2.03	67	P	Pn	00 06 14.6 -1.7
ANWZ	Angora Road	2.12	169	P	Pn	00 06 17.2 -0.1
GRZ	Great Barrier	2.16	16	P	Pn	00 06 13.6 -1.7
PRWZ	Pori Road	2.18	180	P	Pn	00 06 17.7 -0.2

MRZ	Mangatanihoka R	2.30	187	P	Pn	00 06 18.7 -0.7
BFZ	Birch Farm	2.31	174	ePn	Pn	00 06 19.0 -0.5
BFZ	Birch Farm	2.31	174	P	Pn	00 06 18.9 -0.5
TIWZ	Tintock	2.40	181	P	Pn	00 06 19.8 -0.7
OGWZ	Otaki George	2.50	194	P	Pn	00 06 21.1 -0.6
CPWZ	Cassopoint	2.54	194	P	Pn	00 06 21.9 -0.2
HOWZ	Holdsword Sta	2.54	188	P	Pn	00 06 21.1 -1.0
KIW	Kapiti Island	2.61	198	P	Pn	00 06 21.9 -1.1
TMWZ	Te Maipa	2.73	181	P	Pn	00 06 23.3 -1.0
WCZ	Waipu Caves	2.75	332	P	Pn	00 06 23.3 -1.3
MTW	Mount Morrison	2.80	187	P	Pn	00 06 23.5 -1.5
CAW	Cannon Point	2.81	195	P	Pn	00 06 23.9 -0.2
CAW	Cannon Point	2.81	194	P	Pn	00 06 23.8 -1.1
DUWZ	D'Urville Isla	2.89	212	P	Pn	00 06 24.9 -1.4
TRWZ	Traveller	3.03	184	P	Pn	00 06 26.6 -1.3
PAWZ	Parauwai Station	3.03	188	P	Pn	00 06 26.5 -1.4
MSWZ	Mokika Station	3.08	190	P	Pn	00 06 27.1 -1.5
MSWZ	Mokika Station	3.08	190	P	Pn	00 06 27.7 -4.7
SNZO	South Korori	3.08	198	P	Pn	00 06 27.2 -1.4
SNZO	South Korori	3.08	198	ePn	Pn	00 07 04.9 -2.4
TCW	Tory Channel	3.11	204	P	Pn	00 06 27.6 -1.4
BHW	Baring Head	3.14	195	P	Pn	00 06 27.8 -1.5
BHW	Baring Head	3.14	195	P	Pn	00 07 02.7 -5.9
PLWZ	Palliser	3.23	189	P	Pn	00 06 28.8 -1.8
PLWZ	Palliser	3.23	189	P	Pn	00 07 03.8 -7.0
TUWZ	Tuamariina	3.42	206	P	Pn	00 06 31.1 -1.6
TUWZ	Tuamariina	3.42	206	P	Pn	00 07 11.7 -3.0
NWZ	Nelson	3.60	214	P	Pn	00 06 33.1 -1.7
QRZ	Quartz Range	3.62	201	P	Pn	00 06 33.0 -1.1
CMWZ	Cape Campbell	3.62	201	P	Pn	00 06 34.3 -1.1
CMWZ	Cape Campbell	3.62	201	P	Pn	00 07 17.9 -1.5
OUZ	Omahuta	3.67	328	ePn	Pn	00 06 35.1 -0.9
OUZ	Omahuta	3.67	328	P	Pn	00 06 35.1 -0.9
BSWZ	Blackbirch Sta	3.70	205	P	Pn	00 06 34.6 -1.0
BSWZ	Blackbirch Sta	3.70	205	P	Pn	00 07 17.4 -3.6
THZ	Tophouse	4.11	214	ePn	Pn	00 06 40.1 -1.5
THZ	Tophouse	4.11	214	ePn	Pn	00 07 29.0 -1.6
THZ	Tophouse	4.11	214	P	Pn	00 06 39.0 -2.2
KHZ	Kahutara	4.44	204	P	Pn	00 06 34.1 -1.5
KHZ	Kahutara	4.44	204	eS	Pn	00 07 35.5 -2.3

15d 1h

Table of astronomical observations for 15d 1h, listing MOA, Molln, and other parameters for various stations like CMAR, PETK, KMI, etc.

2012 OCT

Main table of astronomical observations for 2012 OCT, listing MOA, Molln, and other parameters for various stations like HAQS, HDAS, etc.

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Table of astronomical observations for 672, listing Code, Station Name, and other parameters for various stations like SKR, FETA, FUORN, etc.

15d 1h

Table with columns for station call letters, location, time, and various performance metrics. Includes stations like Kodiak Island, Nakatsue, Palmer, etc.

2012 OCT

Table with columns for station call letters, location, time, and various performance metrics. Includes stations like Inuvik, Monday, Nanjing, etc.

674

Table with columns for station call letters, location, time, and various performance metrics. Includes stations like Yellowknife Ar, Resolute Bay, Guangzhou, etc.

NEW	comp=Z,903nm,18.2s,baz=308,slow=37	50.81	59	P	P	01 28 00.9 +2.7
BVAR	comp=Z,2.1nm,1.2s	50.91	309	P	P	01 28 01.1 -1.7
BVAR	comp=Z,62nm,0.4s,baz=57,slow=7.4,SNR=196	50.94	309	P	P	01 29 17.5 -0.1
BVAR	comp=Z,5.2nm,0.6s,baz=64,slow=3.4,SNR=2.0	50.94	309	P	P	01 33 11.3 +1.6
BVAR	comp=Z,0.9nm,0.7s,baz=57,slow=5.3,SNR=2.1	50.94	309	P	P	01 35 11.4 -3.2
BVAR	comp=Z,0.3nm,0.5s,baz=61,slow=15,SNR=2.1	50.94	309	P	P	01 37 47.2 -0.8
BVAR	comp=Z,0.5nm,0.8s,baz=66,slow=5.0,SNR=2.7	50.94	309	P	P	01 51 48.8
BRVK	comp=Z,21um,18.4s,baz=60,slow=39	50.94	309	P	P	01 28 00.4 -1.6
BRVK	comp=Z,54nm,0.6s	50.94	309	P	P	01 28 00.8 -1.2
BRVK	comp=Z,21um,19.0s	50.94	309	P	P	01 28 00.8 -1.2
BRVK	SNR=41	50.94	309	P	P	01 28 00.8 -1.2
BRVK	comp=Z,56nm,0.9s	50.94	309	P	P	01 28 00.3 -1.7
BRVK	MLR	50.94	309	P	P	01 28 00.3 -1.7
HUMO	comp=Z,23um,16.0s	51.07	68	P	P	01 28 05.2 +2.0
HUMO	comp=Z,46nm,1.0s	51.07	68	P	P	01 28 05.2 +2.0
J04D	comp=Z,2um,21.0s	51.16	67	P	P	01 28 04.7 +0.7
J04D	Umpqua Nationa	51.16	67	P	P	01 28 04.7 +0.7
E09A	Wood Farm, Sta	51.34	61	P	P	01 28 05.8 +0.7
E09A	comp=Z,24nm,1.0s	51.34	61	P	P	01 28 05.8 +0.7
KULLO	Kullorsuaq	51.47	12	P	P	01 28 06.2 +0.5
KULLO	comp=Z,34nm,0.8s	51.47	12	P	P	01 28 06.2 +0.5
TARA	Tarawa	51.56	163	P	P	01 28 20.0 +1.3
TARA	comp=Z,3um,18.0s	51.56	163	P	P	01 28 20.0 +1.3
BRZS	Berezni	51.62	305	P	P	01 28 05.3 -1.9
BRZS	comp=Z,70nm,1.1s	51.62	305	P	P	01 28 05.3 -1.9
BRZS	eS	51.62	305	P	P	01 28 05.3 -1.9
BRZS	eS	51.62	305	P	P	01 28 05.3 -1.9
J05D	comp=Z,6um,14.5s	51.63	66	P	P	01 28 08.3 +0.8
J05D	Fort Rock, OR	51.63	66	P	P	01 28 08.3 +0.8
DAG	Danmarks Havn	51.64	359	P	P	01 28 07.2 +0.3
DAG	comp=Z,20nm,0.9s	51.64	359	P	P	01 28 07.2 +0.3
DAG	Danmarks Havn	51.64	359	P	P	01 28 07.2 +0.3
TDK	Taldygorghan	51.65	297	P	P	01 28 06.6 -0.8
TDK	comp=Z,159nm,1.5s	51.65	297	P	P	01 28 06.6 -0.8
TDK	eS	51.65	297	P	P	01 28 06.6 -0.8
TDK	LR	51.65	297	P	P	01 28 06.6 -0.8
G08A	Pilot Rock	51.65	63	P	P	01 28 08.3 +0.7
G08A	comp=Z,7um,13.8s	51.65	63	P	P	01 28 08.3 +0.7
L04D	Klamath Falls	51.69	68	P	P	01 28 09.6 +1.6
L04D	comp=Z,34nm,1.8s	51.69	68	P	P	01 28 09.6 +1.6
KHMM	Horse Mountain	51.72	70	P	P	01 28 20.0 +1.2
KHMM	comp=Z,3um,18.0s	51.72	70	P	P	01 28 20.0 +1.2
YBH	Yreka Blue Hor	51.77	69	P	P	01 28 09.3 +0.8
YBH	comp=Z,2um,19.0s	51.77	69	P	P	01 28 09.3 +0.8
YBH	comp=Z,2.4nm,0.7s,baz=26,slow=2.8,SNR=6.8	51.77	69	P	P	01 28 09.3 +0.8
YBH	LR	51.77	69	P	P	01 28 09.3 +0.8
YBH	comp=Z,1um,21.3s,baz=3170,slow=32	51.77	69	P	P	01 28 09.7 +1.3
YBH	Yreka Blue Hor	51.77	69	P	P	01 28 09.7 +1.3
WALA	Waterton Lakes	52.01	56	P	P	01 28 11.2 +0.9
WALA	comp=Z,96nm,1.5s	52.01	56	P	P	01 28 11.2 +0.9
WALA	LR	52.01	56	P	P	01 28 11.2 +0.9
KMRM	Mali Ridge	52.15	71	P	P	01 28 20.0 +8.7
KMRM	comp=Z,3um,20.0s	52.15	71	P	P	01 28 20.0 +8.7
F10A	comp=Z,2um,22.0s	52.17	61	P	P	01 28 13.6 +2.1
F10A	Beach Ranch, E	52.17	61	P	P	01 28 13.6 +2.1
SHLS	Shalkode	52.22	294	P	P	01 28 09.4 -2.4
SHLS	comp=Z,68nm,1.6s	52.22	294	P	P	01 28 09.4 -2.4
SHLS	LR	52.22	294	P	P	01 28 09.4 -2.4
M04C	Macdoel	52.24	68	P	P	01 28 13.0 +0.9
M04C	comp=Z,1um,15.6s	52.24	68	P	P	01 28 13.0 +0.9
KPKS	Kokpek	52.46	295	P	P	01 28 13.0 -0.6
KPKS	comp=Z,116nm,2.4s	52.46	295	P	P	01 28 13.0 -0.6
KPKS	LR	52.46	295	P	P	01 28 13.0 -0.6
UZB	Uzynbulak	52.47	294	P	P	01 28 13.2 -0.6
UZB	comp=Z,3um,13.6s	52.47	294	P	P	01 28 13.2 -0.6
UZB	comp=Z,58nm,2.4s	52.47	294	P	P	01 28 13.2 -0.6
UZB	LR	52.47	294	P	P	01 28 13.2 -0.6
KCPM	Cahto Peak	52.57	71	P	P	01 28 30.0 +1.5
KCPM	comp=Z,1um,21.0s	52.57	71	P	P	01 28 30.0 +1.5
WDC	Whiskeytown Da	52.60	70	P	P	01 28 17.2 +2.7
WDC	comp=Z,40nm,1.5s	52.60	70	P	P	01 28 17.2 +2.7
WDC	LR	52.60	70	P	P	01 28 17.2 +2.7
WDC	comp=Z,1um,22.0s	52.60	70	P	P	01 28 17.2 +2.7
WDC	Whiskeytown Da	52.60	70	P	P	01 28 17.2 +2.7
WDC	comp=Z,40nm,1.5s	52.60	70	P	P	01 28 17.2 +2.7
WDC	MLR	52.60	70	P	P	01 28 17.2 +2.7
JTMT	Jette	52.63	58	P	P	01 28 16.7 +1.8
JTMT	comp=Z,1um,22.0s	52.63	58	P	P	01 28 16.7 +1.8
JTMT	comp=Z,54nm,1.2s	52.63	58	P	P	01 28 16.7 +1.8
ZHN	comp=Z,2um,21.0s	52.79	295	P	P	01 28 15.2 -0.9
ZHN	Zhishik	52.79	295	P	P	01 28 15.2 -0.9
ZHN	comp=Z,14nm,1.7s	52.79	295	P	P	01 28 15.2 -0.9
ZHN	LR	52.79	295	P	P	01 28 15.2 -0.9
BMO	Blue Mountains	52.84	62	P	P	01 28 17.3 +1.0
BMO	comp=Z,2um,13.8s	52.84	62	P	P	01 28 17.3 +1.0
BMO	comp=Z,9.2nm,0.9s	52.84	62	P	P	01 28 17.3 +1.0
BMO	LR	52.84	62	P	P	01 28 17.3 +1.0
BMO	comp=Z,2um,21.0s	52.84	62	P	P	01 28 17.3 +1.0
BMO	Blue Mountains	52.84	62	P	P	01 28 17.3 +1.0
BMO	comp=Z,9.0nm,0.9s	52.84	62	P	P	01 28 17.3 +1.0
BMO	MLR	52.84	62	P	P	01 28 17.3 +1.0
SATY	Saty	52.88	295	P	P	01 28 15.9 -0.8
SATY	comp=Z,2um,21.0s	52.88	295	P	P	01 28 15.9 -0.8
SATY	comp=Z,89nm,2.0s	52.88	295	P	P	01 28 15.9 -0.8
SATY	LR	52.88	295	P	P	01 28 15.9 -0.8
SVE	Sverdlowsk	52.96	317	P	P	01 28 16.6 -0.4
SVE	comp=Z,56nm,0.9s	52.96	317	P	P	01 28 16.6 -0.4
SVE	MLR	52.96	317	P	P	01 28 16.6 -0.4
SVE	MLR	52.96	317	P	P	01 28 16.6 -0.4
SVE	comp=N,6um,17.0s	52.96	317	P	P	01 28 16.6 -0.4
SVE	MLR	52.96	317	P	P	01 28 16.6 -0.4
MOD	Modoc Plateau	53.04	67	P	P	01 28 18.6 +0.6
MOD	comp=Z,2um,21.0s	53.04	67	P	P	01 28 18.6 +0.6
MOD	comp=Z,33nm,0.9s	53.04	67	P	P	01 28 18.6 +0.6
MOD	LR	53.04	67	P	P	01 28 18.6 +0.6
J08A	Circle Bar Ran	53.14	65	P	P	01 28 30.0 +1.1
J08A	comp=Z,1um,20.0s	53.14	65	P	P	01 28 30.0 +1.1
J08A	comp=Z,1um,20.0s	53.14	65	P	P	01 28 30.0 +1.1
O03E	Paynes Creek	53.22	69	P	P	01 28 20.1 +0.9
O03E	comp=Z,2um,21.0s	53.22	69	P	P	01 28 20.1 +0.9
O03E	comp=Z,311	53.22	69	P	P	01 28 20.1 +0.9
HOPS	Hopland Field	53.33	71	P	P	01 28 30.0 +1.0
HOPS	comp=Z,2um,20.0s	53.33	71	P	P	01 28 30.0 +1.0
HOPS	comp=Z,57nm,1.4s	53.33	71	P	P	01 28 30.0 +1.0
MSO	Missoula	53.40	59	P	P	01 28 21.3 +0.8
MSO	comp=Z,2um,20.0s	53.40	59	P	P	01 28 21.3 +0.8
KUU	Kurty	53.49	297	P	P	01 28 19.3 -1.8
KUU	comp=Z,27nm,0.8s	53.49	297	P	P	01 28 19.3 -1.8
KUU	LR	53.49	297	P	P	01 28 19.3 -1.8
SKNT	Medeo	53.57	296	P	P	01 28 20.8 -1.1
SKNT	comp=Z,5um,14.6s	53.57	296	P	P	01 28 20.8 -1.1
SKNT	comp=Z,436nm,1.8s	53.57	296	P	P	01 28 20.8 -1.1
SKNT	LR	53.57	296	P	P	01 28 20.8 -1.1
MDOK	Geysers	53.61	71	P	P	01 28 40.0 +1.8
MDOK	comp=Z,2um,18.0s	53.61	71	P	P	01 28 40.0 +1.8
MDOK	comp=Z,49nm,1.8s	53.61	71	P	P	01 28 40.0 +1.8
MDOK	LR	53.61	71	P	P	01 28 40.0 +1.8
AAA	Alma-Ata	53.62	296	P	P	01 28 21.1 -1.0
AAA	comp=Z,49nm,1.8s	53.62	296	P	P	01 28 21.1 -1.0
AAA	LR	53.62	296	P	P	01 28 21.1 -1.0

WVOR	comp=Z,4um,14.0s	53.64	65	P	P	01 28 23.6 +1.2
WVOR	Wild Horse Val	53.64	65	P	P	01 28 23.6 +1.2
WVOR	comp=Z,22nm,1.0s	53.64	65	P	P	01 28 23.6 +1.2
WVOR	LR	53.64	65	P	P	01 28 23.6 +1.2
HAMF	comp=Z,2um,21.0s	53.77	343	P	P	01 28 22.4 -0.2
HAMF	Hammerfest	53.77	343	P	P	01 28 22.4 -0.2
ORV	Oroville	53.88	70	P	P	01 28 23.5 -0.5
ORV	comp=Z,14nm,0.9s	53.88	70	P	P	01 28 23.5 -0.5
ORV	LR	53.88	70	P	P	01 28 23.5 -0.5
ORV	comp=Z,1um,21.0s	53.88	70	P	P	01 28 23.5 -0.5
ORV	Oroville	53.88	70	P	P	01 28 23.5 -0.5
ORV	comp=Z,14nm,0.9s	53.88	70	P	P	01 28 23.5 -0.5
ORV	MLR	53.88	70	P	P	01 28 23.5 -0.5
ORV	MLR	53.88	70	P	P	01 28 23.5 -0.5
KEV	Kevo	53.89	341	P	P	01 28 23.2 -0.4
KEV	comp=Z,1um,21.0s	53.89	341	P	P	01 28 23.2 -0.4
KEV	comp=Z,68nm,0.8s	53.89	341	P	P	01 28 23.2 -0.4
KEV	LR	53.89	341	P	P	01 28 23.2 -0.4
KEV	comp=Z,2um,18.0s	53.89	341	P	P	01 28 23.2 -0.4
KEV	Kevo	53.89	341	P	P	01 28 23.2 -0.4
KEV	comp=Z,2um,18.0s	53.89	341	P	P	01 28 23.2 -0.4
KEV	MLR	53.89	341	P	P	01 28 23.2 -0.4
KEV	MLR	53.89	341	P	P	01 28 23.2 -0.4
MCCM	Marconi Confer	54.00	72	P	P	01 28 40.0 +1.5
MCCM	MCCM	54.00	72	P	P	01 28 40.0 +1.5
MCCM	comp=Z,2um,20.0s	54.00	72	P	P	01 28 40.0 +1.5
MCCM	LR	54.00	72	P	P	01 28 40.0 +1.5
BTLS	Baital	54.01	299	P	P	01 28 23.5 -1.4
BTLS	comp=Z,21nm,1.5s	54.01	299	P	P	01 28 23.5 -1.4
BTLS	LR	54.01	299	P	P	01 28 23.5 -1.4
BTLS	comp=Z,1um,12.8s	54.01	299	P	P	01 28 23.5 -1.4
BTLS	Arti	54.01	299	P	P	01 28 23.5 -1.4
ARU	comp=Z,7um,18.1s,baz=43,slow=39	54.09	318	P	P	01 28 23.9 -1.3
ARU	Arti	54.09	318	P	P	01 28 23.9 -1.3
ARU	comp=Z,7um,18.1s,baz=43,slow=39	54.09	318	P	P	01 28 23.9 -1.3
ARU	LR	54.09	318	P	P	01 28 23.9 -1.3
ARU	comp=Z,106nm,1.7s	54.09	318	P	P	01 28 23.9 -1.3
ARU	MLR	54.09	318	P	P	01 28 23.9 -1.3
ARU	MLR	54.09	318	P	P	01 28 23.9 -1.3
FFC	Fin Flon	54.13	45	P	P	01 28 25.6 +0.1
FFC	comp=Z,12um,16.0s	54.13	45	P	P	01 28 25

Table with columns for station name, frequency, power, and other technical details. Includes stations like PDAR, ODAN, FURCO, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like MOS, ISCO, TBLU, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like IZAR, ASK, ISAL, etc.

Table with columns: Station ID, Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Q51A, P52A, PRU, etc.

Table with columns: Station ID, Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like KHC, KHC, KHC, etc.

Table with columns: Station ID, Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Y49A, BLA, MDVR, etc.

Table with columns: Station Name, Frequency, Power, Band, and other technical details. Includes stations like SDLR Sedlovina, KRX Arik, GNL Ganaly, etc.

Table with columns: Station Name, Frequency, Power, Band, and other technical details. Includes stations like ZAA1 Zalesovo Array, ZAA1 Zalesovo Beam, ZALV Zalesovo Beam, etc.

Table with columns: Station Name, Frequency, Power, Band, and other technical details. Includes stations like OBKA Obir, WATA Walderalm, WATA Wattenberg, etc.

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like Susitna One, Rabbit Creek A, Palmer, etc.

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like Mount Baldy, Walker, Pine Nut, etc.

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like Hualapai Mount, Wollman Farm, Organ Pipe Nat, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, BVK Borovoye Array, ARU Arti, etc.

SJA 15 09:42:34.3:0.6,32.64Sx72.48W,h11km,7km,ML3.5, MW3.9

GUC 15 09:42:38.3:0.4,32.53S;72.27W,h34km,2km,ML3.6

ISC 15 09:42:31.8:2.7,32.28S;0.05;72.4W;0.1,h11km,13km,n14,c084/24,4D,Off coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ROC1 El Roble, CMCH Combarbala, CLCH Cerro Calan, etc.

IDC 15 10:05:49.8:4.7,31.93Sx179.76E,h387km,43km,mb3.1/2, mb1.3/3,mb1mx3.0/30,mbtmp4.0/3,Error ellipse: s-maj=52.1km s-min=28.1km az=34.0,Kermadec

Islands region

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

IDC 15 10:19:16.0:1.1,16.72Sx173.65W,h0km,mb3.8/6, mb1.4/2.7,mb1mx3.9/38,mbtmp3.9/7,ML4.6/1,Error ellipse: s-maj=49.7km s-min=19.5km az=134.0, ISCBJ 15 10:19:22.8:0.9,16.55S;0.2;173.7W;0.2,h66km,mb3.7/6, Error ellipse: s-maj=43.1km s-min=10.9km az=40.0, ISC 15 10:19:24.0:1.1,16.65S;0.2;173.5W;0.3,h66km,n7, r192/8,mb3.6/6,Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AFI Afiamalu, URZ Urewera, WRA Warramunga Arr, etc.

MOS 15 10:24:03.1:1.8,48.14N;155.17E,h168km,mb4.0/5,Error ellipse: s-maj=18.6km s-min=4.8km az=73.8, KRSC 15 10:24:03.1:1.9,48.14N;155.17E,h168km,36km,ML4.5

IDC 15 10:24:05.9:2.1,48.84N;153.13E,h177km,19km, mb3.3/11,mb1.3/5.1,mb1mx3.4/5.1,mbtmp3.8/14,Error ellipse: s-maj=19.5km s-min=12.3km az=124.0, SKHL 15 10:24:07.0:0.5,49.03N;153.76E,h172km,5km,mb4.2/2, msh5.2/3

ISC 15 10:24:03.9:0.9,48.6N;0.1x154.3E;0.1,h200km,n82, r242/90,mb3.5/11,Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SKR Severo-Kuril's, SKR Severo-Kuril's, SKR Severo-Kuril's, etc.

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

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

SHO Shikotan, SHO Shikotan, SHO Shikotan

KZV Kizimen, KZV Kizimen, MKZ Mys Kozlova, etc.

KBTR Kruetoberegovo, KBTR Kruetoberegovo, BKR Bering, etc.

ILAR Eielson Array, MKAR Makanchi Array, CMAR Chiang Mai Arr, etc.

H1N2 WAKE ISLAND Hy 30.50 156 T, H1N1 WAKE ISLAND Hy 30.52 156 T, etc.

H1N3 WAKE ISLAND Hy 30.52 156 T, H1N1 WAKE ISLAND Hy 31.62 157 T, etc.

H1S2 WAKE ISLAND Hy 31.64 157 T, ILAR Eielson Array 34.66 40 P, etc.

FINES FINES Array B 62.74 335 P, NOA HOGSPRINGS 22.66 71 P, etc.

WRA Warramunga Arr 70.47 200 P, ASAR Alice Springs 71.19 199 P, etc.

ASAR Alice Springs 74.92 92 P, ASAR Alice Springs 74.92 92 P, etc.

GERES GERES Array B 77.17 335 P, IDC 15 10:56:27.9:2.2,27.18N;142.74E,h0km,mb3.5/2, etc.

mb1.3/9,mb1mx3.4/36,mbtmp3.7/3,ML4.1/1,MS2.8/1, MS1.2/1,ms1mx2.3/33,Error ellipse: s-maj=36.7km s-min=28.8km az=73.0,Bonin Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CCJ Chichijima, JJC Juchitana, JHJ Hachioji jima 2, etc.

SOME 15 10:58:44.5,41.15N;171.00E,h10km, NNC 15 10:58:45.0:4.4,41.08N;171.16E,h0km,mb3.1,mpv2.8, Error ellipse: s-maj=35.8km s-min=23.1km az=165.0, KRNET 15 10:58:46.7:0.1,41.25N;171.16E,h11km,mb2.9, etc.

ISC 15 10:58:45.9:2.6,41.2N;0.1;171.13E;0.06,h15km,n14,c125/25,18C-3D,Kyrgyzstan

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

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

MAN 15 11:04:55.5,10.36N;125.12E,h11km,mb4.5,ML3.4, MS3.2,1C-1D,Leyte

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

DJA 15 11:13:31.2:1.8,0.5S;15x13.1E;1.3,h73km,13km,ML3.6/5, ML3.6/5,Irian Jaya region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SWI Sorong, FAKI Fak Fak, RKPI Ransiki, Papua, etc.

IDC 15 11:18:49.1:1.7,3.66S;144.91E,h0km,mb4.0/5, mb1.4/2.6,mb1mx3.9/33,mbtmp4.0/6,ML3.8/14, MS1.3.6/14,ms1mx3.3/32,Error ellipse: s-maj=53.3km s-min=24.0km az=104.0, ISCBJ 15 11:18:54.0:1.0,3.75S;0.1x144.3E;0.1,h22km,mb4.0/5, MS3.6/10,Error ellipse: s-maj=18.5km s-min=12.7km az=135.1, ISC 15 11:18:54.3:1.2,3.6S;0.1x144.4E;0.1,h22km,n27, r278/13,mb4.1/5,MS3.6/10,Near north coast of New Guinea

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

SIJI Sorong, HNR Honiara, WRA Warramunga Arr, etc.

BATI Baunata, ASAR Alice Springs, ASAR Alice Springs, etc.

ASAR Alice Springs, FITZ Fitzroy Crossi, STKA Stephens Creek, etc.

H1S3 WAKE ISLAND Hy 31.05 44 T, H1S2 WAKE ISLAND Hy 31.06 44 T, etc.

H1S1 WAKE ISLAND Hy 31.07 44 T, H1N1 WAKE ISLAND Hy 32.04 43 T, etc.

H1N2 WAKE ISLAND Hy 32.04 43 T, H1N3 WAKE ISLAND Hy 32.04 43 T, etc.

NWAO Narogin (SRO) 38.69 218 LR, KSRS Kora-kora, SKNT Sakolnakor, etc.

USRK Ussuriysk Arr, PAYA Payav, CMAT Chiang Mai, etc.

CMIT Chiang Mai, CHTO Chato, SONM Songino Array, etc.

SONM, VZLA Zalesovo Ben, ZALV, ILAR Eielson Array, etc.

IDC 15 11:33:31.9:0.6,1.78N;97.63E,h0km,mb4.3/16, mb1.4/1.7,mb1mx4.2/42,mbtmp4.3/17,ML4.7/1,MS3.4/7, MS1.3.5/7,ms1mx3.0/45,Error ellipse: s-maj=20.2km s-min=13.4km az=49.0, NEIC 15 11:33:32.0:3,1.77N;97.69E,h35km,mb4.5/12,Error ellipse: s-maj=7.5km s-min=5.1km az=221.0, ISCBJ 15 11:33:39.7:0.5,1.97N;0.04;97.88E;0.05,h68km,4km,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IDC 15 11:33:31.9:0.6,1.78N;97.63E,h0km,mb4.3/16, etc.

15d 12h

mb4.3/26, Error ellipse: s-maj=8.5km s-min=5.7km

DJA 15 11:33:39.4, 1.0, 2.1, N:3.9, E:1.1, h16km, 11km, M4.5/11, mB5.5/1, mb4.9/1, MLV4.3/11, Mw(m)B5.0/1

ISC 15 11:33:40.1, 1.2, 1.97N, 0.04, -97.83E, 0.05, h56km, 11km, n91, c1:98/86, mb4.4/26, MS3.3/5, Northern Sumatera

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists various stations like Gunungsitoli, Sibabang, Tuntungan, etc.

15d 12h

comp=Z, 0.4nm, 0.2s, baz=127, slow=2.6, SNR=3.7

NB2 NORSAR Subarra 86.64 331 P P 11 46 17.8 +0.2

NB20A NORSAR Array S 86.64 331 eP P 11 46 17.2 -0.4

ISK 15 11:48:08.5, 37.331N, 37.17E, h7km, ML2.2/5

DDA 15 11:48:09.6, 37.311N, 37.19E, h7km, ML2.6

ISC 15 11:48:09.2, 1.2, 37.323N, 0.003, 37.19E, 0.03, h5km, 10km, n17, c0:67/27, Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like Gaziantep, Kahramanmaraş, Kuzuni, etc.

MOS 15 11:54:00.7, 0.0, 41.612N, 46.32E, h22km, MPVA3.6, Eastern Caucasus

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like Gunib, Khunzakh, Botlikh, etc.

DRS 15 11:54:19.4, 0.0, 41.615N, 46.22E, h7km

MOS 15 11:54:22.1, 0.0, 41.59N, 46.47E, h21km, 2km, MPVA3.1

ISCJB 15 11:54:25.1, 1.0, 41.60N, 0.05, -46.54E, 0.05, h48km, 11km, Error ellipse: s-maj=9.1km s-min=5.4km az=149.1

ISC 15 11:54:25.1, 1.0, 41.614N, 0.04, -46.51E, 0.03, h33km, 11km, n14, c1:26/28, Eastern Caucasus

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like Dudofli, Kumukh, Gurob, etc.

NIED 15 11:58:00, 39.70N, 142.70E, h32km, Mw3.7 Best double couple: Ms3.82000x1014 NPI1.9x5.00000x.339.00000

JMA 15 11:58:38.0, 0.1, 39.72N, 142.65E, h31km, 2km, M3.3

IDC 15 11:58:42.7, 3.2, 39.66N, 142.61E, h69km, 30km, mb3.3/3, mb1.3/6.5, mb1mx3.2/34, mbtp3.6/5, ML3.4/2, MS2.2/1, Ms1.2/2.1, ms1mx2.0/2.1, Error ellipse: s-maj=48.0km s-min=24.4km az=85.0

ISC 15 11:58:35.8, 2.2, 39.74N, 0.05, 142.71E, 0.08, h13km, 12km, n17, c1:21/26, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like Tanohata, Miyakonagasawa, Ofunato, etc.

688

ellipse: s-maj=53.6km s-min=19.8km az=123.0

ISCJB 15 11:59:24.9, 0.6, 39.66N, 0.03, 141.94E, 0.08, h70km, 4km, mb3.5/5, Error ellipse: s-maj=106.1km s-min=5.7km az=2.4

JMA 15 11:59:25.7, 39.67N, 141.93E, h65km, 1km, M3.8

JMA Felt J1, ISC 15 11:59:25.5, 0.9, 39.63N, 0.04, 141.98E, 0.08, h66km, 6km, n19, c1:91/30, mb3.5/5, 1C-33, Eastern Honshu

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like Miyakonagasawa, Tanohata, Ohasama, etc.

NNC 15 12:09:02.6, 1.6, 44.76N, 81.88E, h0km, mb3.1, mpv2.6

SOME 15 12:05:24.4, 72N, 81.92E, h15km

ISC 15 12:09:02.9, 2.7, 44.75N, 0.06, 82.01E, 0.09, h1km, 19km, n14, c1:20/25, 2C-40, Northern Xinjiang

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like Jarkeit, Ketmen, Kapsalaras, etc.

IDC 15 12:28:47.6, 8.5, 5.35S, 149.12E, h0km, mb3.4/4, mb1.3/7.4, mb1mx3.4/24, mbtp3.5/4, Error ellipse: s-maj=130.5km s-min=68.6km az=36.0, New Britain region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like Warramunga Arr, ASAR Alice Springs, Fitzroy Crossi, etc.

KRSC 15 12:29:28.8, 2.5, 49.47N, 156.53E, h56km, 36km, ML4.7

ISCJB 15 12:29:31.9, 0.4, 49.53N, 0.05, 156.16E, 0.10, h57km, mb3.7/10, MS3.3/4, Error ellipse: s-maj=10.9km s-min=3.0km az=35.6

MOS 15 12:29:31.3, 0.9, 49.59N, 156.13E, h56km, mb4.0/5, Error ellipse: s-maj=15.8km s-min=3.6km az=74.1

IDC 15 12:29:34.9, 3.1, 49.71N, 156.04E, h66km, 30km, mb3.4/8, mb1.3/13, mb1mx3.5/45, mbtp3.8/13, ML3.7/4, MS3.3/5, Ms1.3/3.5, ms1mx2.8/35, Error ellipse: s-maj=32.8km s-min=14.4km az=137.0

ISC 15 12:29:33.2, 0.7, 49.57N, 0.07, 156.34E, 0.07, h57km, n108, c1:94/117, mb3.7/10, MS3.4/4, 5C, Kuril Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like Severo-Kuril's, Pauzhetka, Khodutka, etc.

Table with columns: ID, Name, Azimuth, Elevation, SNR, and other parameters. Rows include Ave Maria, Chauvin, Arcadia, West Palm Beach, Moore Haven, Moore Haven, Wimauma, Wimauma, Edgard, St. Martinville, St. Martinville, White Castle, Lake Charles, Morse, Wauchula, Monteria, Cord Chaparral WMA, Chaparral WMA, Sildell, Dabeiba, Indiantown, Indiantown, Zephyrhills, Hockley, Hockley, Guantanamo Bay, Keenobee, Pine Grove, Amite, Mamou, Delano Plantat, Disney Wildern, Disney Wildern, DeRidder, Poplarville, St. Cloud, Lucedale, Lucedale, Lynn Haven, Kempfer Cattle, Pace, Horseshoe Beach, Oxford, Bay Minette, Vidalia, Crestview, Williston, Williston, Thompson Farm, Crawfordville, Vernon, Vernon, Flagon Creek P, Flagon Creek P, Santa Helena, San Jos del Kurthwood, Kurthwood, Zaragoza, Westbrook Farm, Westbrook Farm, Big Creek Wild, Big Creek Wild, Perry, Saraland, Saraland, Brewton, Brewton, Lake Helen, Jackson, Jackson, Marianna, Repton, Jarrell, Jarrell, Interlachen, McAlpin, McAlpin, Waterproof, Lake Butler, Bunnell, Bunnell, Dozier, Whigham, Whigham, Guayana, Colomb, Pinckard, Avery, Jackson.

Table with columns: ID, Name, Azimuth, Elevation, SNR, and other parameters. Rows include NATX Nacogdoches, NATX Nacogdoches, Little AP, Sta, Grayson, Mo Tay, Golden, Mo Tay, Golden, Jackson Lee, B, Hunter Patters, Hunter Patters, Quitman, El Recreo, Vicksburg, Vicksburg, Orange Park, Norcasia, Junction City, Junction City, Junction City, Junction City, Vicksburg, Stateville, Dixon Mills, Blakely, Blakely, Camilla, LÖogne, Popayan, Colom, Grady, Monroe, Houston Renfro, Alexander Plac, Barranca, Sant Papa Simpson, Socs Landing, Socs Landing, Union, Union, Hilliard, Hilliard, Cam and Jess, Cam and Jess, TIGA Tifton, TIGA Tifton, Otavalo, Otavalo, Otavalo, Otavalo, SOTA Rioblanco, HPIG, Yule, Midway, Livingston, Livingston, GCUF Volcan Galeras, MARP Paez Belalcaza, WHTX Lake Whitney, WHTX Lake Whitney, CRUC La Cruz, Greensboro, Lumpkin, Pearson, URIBIA, Colomb Jones, URIBIA, Colomb Jones, ROSC El Rosal, ROSC El Rosal, GIRC Giron, Santand, GIRC Giron, Santand, Eclectic, Armstrong Fami, Blackshear, Lajitas Array, Lajitas Array, TXAR, TXAR, TXAR, TXAR, TX31 Lajitas Ar. Si, TX31 Lajitas Ar. Si, 151A Opelika, Norrel Spur, H, Pea Ridge, Bel, Louisville, Richland Creek, Richland Creek, Abbeville, Long Farm, Mag, Betania, Carrollton, LRLAL Lakeview Retre, Winona, Winona, Pamplona, Colo, Pamplona, Colo, Waverly Hall, Waverly Hall, Fergusson Farm.

Table with columns: ID, Name, Azimuth, Elevation, SNR, and other parameters. Rows include Waverly Hall, Hazlehurst, Hazlehurst, Northport, Columbiana, La Rusia, Chingaza, Presa de Saban, Fort Valley, Ashland, Ashland, Garnett, Star, Glennville, FLOEC Florencia, Y43A Makayla and Ka, Yeager Farm, C, Cane Creek, Eggleston Beard, Strider, Charl, Houston, Montrose, Montrose, Franklin, Okolona, UICARC Winifre, Williamson, Abilene, Hawle, Abilene, Hawle, Jasper, Skidaway Islan, Kite, Blount Mountain, Blount Mountain, SLBS Sierra La Lagu, UM Field Stati, Piedmont, Piedmont, Marvel, Marvel, Crenshaw, Kelen, Bauxite, Basin Creek Fa, Basin Creek Fa, Yopal, Colombi Stuttgart, Oxford, Oxford, Oxford, Grand Turk, GOGA Godfrey, GOGA Godfrey, Sylvania, Rockmart, MOUNTIDA, MOUNTIDA, MOUNTIDA, MOUNTIDA, TAME, Arauca, Sparta, Booneville, Fountain Ranch, Russville, Hartselle, Hartselle, University of, La Paz, LPiG, LPiG, Y52A Libburn, Y52A Libburn, Blythe, Santo Domingo, Santo Domingo, Santo Domingo, Woodville, Fort Payne, Forest City, Lakewick Lake, Shelby Farms P, Gary Mavity, Gary Mavity, Hickory Valley, Fergusson Farm.

15d 17h

2012 OCT

Table with columns: Call Sign, Name, Frequency, Power, and other technical details. Includes stations like W40A Fergusson Farm, W42A Bald Knob, W46A Michie, etc.

Table with columns: Call Sign, Name, Frequency, Power, and other technical details. Includes stations like KMSC Kings Mountain, V53A Saluda, V53A Saluda, etc.

Table with columns: Call Sign, Name, Frequency, Power, and other technical details. Includes stations like MTP Monte Pirata, BLA Blacksburg, BLA Blacksburg, etc.

ACSO	Alum Creek Sta	27.01	14	eP	P	17 57 54.5 +0.1
ACSO	comp-Z, 176nm, 1.0s				LR	LR
ACSO	comp-Z, 2um, 22.0s					
ACSO	Alum Creek Sta	27.01	14	P	P	17 57 54.2 -0.2
051A	Pataskala	27.02	15	P	P	17 57 54.4 -0.1
N47A	Urbana	27.11	9	P	P	17 57 54.2 -1.1
052A	Adamsville	27.18	16	eP	P	17 57 56.2 +0.2
052A	Adamsville	27.18	16	eP	P	17 57 56.0 +0.2
052A	Adamsville	27.18	16	P	P	17 57 56.0 0.0
M41A	Milan	27.19	1	P	P	17 57 55.1 -1.0
N48A	Decatur	27.20	10	P	P	17 57 55.0 -1.1
M40A	Post Highland	27.22	359	P	P	17 57 55.3 -1.0
M42A	Sheffield	27.29	2	P	P	17 57 55.0 -2.0
M39A	Webster	27.30	358	P	P	17 57 55.8 -1.3
M43A	Waltham Townsh	27.31	4	P	P	17 57 56.2 -0.9
X16A	Lo Mia Camp	27.32	321	eP	P	17 58 00.2 +2.7
M44A	Midewin, Midew	27.33	5	P	P	17 58 16.4 +1.3
M44A	Midewin, Midew	27.33	5	P	P	17 57 56.0 -1.3
MCWV	Mont Chateau	27.34	19	P	P	17 57 56.0 -1.4
S22A	4UR Ranch, Cre	27.38	332	eP	P	17 58 18.7 +2.7
S22A	4UR Ranch, Cre	27.38	332	P	P	17 57 57.9 -0.2
M45A	Boilermakers S	27.41	6	P	P	17 57 55.9 -2.1
N49A	Columbus Grove	27.41	12	eP	P	17 57 55.0 -0.4
N49A	Columbus Grove	27.41	12	P	P	17 57 56.4 -1.6
N50A	Nevada	27.48	13	P	P	17 57 57.9 -0.8
M46A	Old House Field	27.53	8	P	P	17 57 58.1 -1.0
M47A	Cromwell	27.59	9	P	P	17 57 57.6 -2.1
Q24A	Divide	27.69	336	P	P	17 58 00.4 -0.5
MVCO	Mesa Verde	27.74	329	eP	P	17 58 04.3 +3.0
MVCO	comp-Z, 103nm, 1.3s				LR	LR
MVCO	comp-Z, 601nm, 19.0s					
MVCO	Mesa Verde	27.74	329	P	P	17 58 02.4 +1.1
113A	Mohawk Valley	27.76	316	eP	P	17 58 03.8 +2.6
113A	comp-Z, 185nm, 1.9s					
SCIA	State Center	27.77	357	eP	P	17 58 01.8 +2.2
SCIA	comp-Z, 1um, 22.0s				LR	LR
SCIA	State Center	27.77	357	P	P	17 58 00.0 -1.2
N51A	Ashland	27.80	14	eP	P	17 58 02.2 +0.7
N51A	Ashland	27.80	14	eP	P	17 58 01.5 +0.8
N51A	Ashland	27.80	14	P	P	17 58 00.6 -0.9
L42A	Oliver, Polo	27.84	2	eP	P	17 58 20.2 +0.5
L42A	Oliver, Polo	27.84	2	P	P	17 58 00.6 -1.2
M48A	Edgerton	27.86	10	P	P	17 58 00.7 -1.3
L40A	Anamosa	27.87	360	eP	P	17 58 02.5 +0.4
L40A	comp-Z, 229nm, 1.3s					
L40A	Anamosa	27.87	360	P	P	17 58 01.1 -1.0
L41A	Preston	27.89	1	P	P	17 58 01.3 -1.0
BGNE	Belgrade	27.89	349	P	P	17 58 01.7 -0.7
L39A	Vinton	27.94	359	P	P	17 58 01.6 -1.1
Y14A	Wickenburg	27.98	319	eP	P	17 58 05.5 +2.3
M49A	Liberty Center	27.99	12	P	P	17 58 01.9 -1.2
WUAZ	Wupatki	28.04	323	eP	P	17 58 06.1 +2.2
WUAZ	comp-Z, 62nm, 1.0s				LR	LR
WUAZ	comp-Z, 1um, 19.0s					
WUAZ	Wupatki	28.04	323	P	P	17 58 05.6 +1.7
L43A	Garden Prairie	28.07	4	P	P	17 58 03.0 -0.9
L36A	Harm Buss Farm	28.08	354	P	P	17 58 02.8 -1.2
M50A	Fremont	28.11	13	eP	P	17 58 23.5 +1.4
M50A	Fremont	28.11	13	P	P	17 58 03.1 -1.1
L44A	Lake County Fo	28.13	5	P	P	17 58 03.3 -1.1
L46A	Eue Claire	28.14	8	P	P	17 58 02.7 -1.8
SDMD	Soldier's Deli	28.19	24	eP	P	17 58 05.6 +0.6
SDMD	Soldier's Deli	28.19	24	eP	P	17 58 25.9 +3.0
M51A	Elyria	28.24	14	P	P	17 58 04.6 -0.8
L47A	Sherwood	28.26	9	P	P	17 58 04.0 -1.6
O56A	Blue Knob Stat	28.31	21	eP	P	17 58 06.4 +0.3
O56A	Blue Knob Stat	28.31	21	eP	P	17 58 24.9 +0.9
O56A	Blue Knob Stat	28.31	21	P	P	17 58 05.5 -0.7
L48A	N Adams	28.36	11	P	P	17 58 05.2 -1.2
OGNE	Ogallala	28.39	342	PFAKE	LR	LR
OGNE	comp-Z, 831nm, 19.0s					
OGNE	Ogallala	28.39	342	P	P	17 58 07.4 +0.5
K41A	Shultsburg	28.42	1	P	P	17 58 05.9 -1.2
ANWB	Willy Bob	28.44	79	PFAKE	LR	LR
ANWB	comp-Z, 2um, 19.0s					
N54A	Moraine State	28.48	18	eP	P	17 58 08.0 +0.4
N54A	Moraine State	28.48	18	eP	P	17 58 27.8 +2.3
N54A	Moraine State	28.48	18	P	P	17 58 07.4 -0.2
PV01	Paradox Valley	28.50	330	P	P	17 58 11.3 +3.2
K40A	Colesburg	28.51	0	P	P	17 58 06.6 -1.2
K39A	Oelwein	28.52	359	P	P	17 58 06.7 -1.1
K36A	Glimro City	28.59	355	P	P	17 58 07.0 -1.5
ISCO	Idaho Springs	28.59	336	PFAKE	LR	LR
ISCO	comp-Z, 345nm, 22.0s					
ISCO	Idaho Springs	28.59	336	eP	P	17 58 11.9 +3.0
ISCO	comp-Z, 36nm, 1.6s					
ISCO	Idaho Springs	28.59	336	P	P	17 58 07.6 -1.4
K43A	Burlington	28.61	4	eP	P	17 58 27.8 +1.2
K43A	Burlington	28.61	4	P	P	17 58 07.6 -1.1
SMCO	Snowmass	28.62	334	eP	P	17 58 12.4 +3.0
K42A	Prairie Point,	28.63	3	P	P	17 58 07.7 +1.4
L49A	Milan	28.64	11	P	P	17 58 08.1 -0.9
PV02	Paradox Valley	28.64	330	P	P	17 58 12.6 +3.3
PV13	Radium Mtn., P	28.64	330	eP	P	17 58 12.4 +3.0
GLA	Glamis	28.65	315	eP	P	17 58 12.1 +2.9
GLA	Glamis	28.65	315	eP	P	17 58 29.8 +2.7
GLA	Glamis	28.65	315	eP	P	17 58 12.1 +2.9
GLA	Glamis	28.65	315	eP	P	17 58 29.8 +2.7
GLA	Glamis	28.65	315	P	P	17 58 11.2 +2.0
K37A	Belmont	28.66	356	P	P	17 58 07.7 -1.4
PV05	Paradox Valley	28.71	330	eP	P	17 58 12.7 +2.7
PV03	Paradox Valley	28.73	330	eP	P	17 58 10.9 +0.9

JFWS	Jewell Fern	28.73	1	eP	P	17 58 29.4 +1.7
JFWS	comp-Z, 2um, 19.0s				LR	LR
JFWS	Jewell Fern	28.73	1	P	P	17 58 08.7 -1.0
PV18	Skein Mesa, Pa	28.75	330	eP	P	17 58 12.7 +2.4
PV12	Saucer Basin,	28.76	330	eP	P	17 58 12.7 +2.4
PV11	David Mesa, Pa	28.78	330	eP	P	17 58 13.2 +2.7
PV17	East Wray Mesa	28.80	330	eP	P	17 58 13.6 +2.9
PV16	Nyswonger Mesa	28.81	330	eP	P	17 58 13.5 +2.8
PV19	Morning Glory	28.84	330	eP	P	17 58 13.8 +2.7
AAM	Ann Arbor	28.85	12	PFAKE	LR	LR
AAM	comp-Z, 2um, 20.0s					
Y12C	Blythe	28.86	317	eP	P	17 58 13.7 +2.8
Y12C	Blythe	28.86	317	P	P	17 58 13.4 +2.4
PV20	West Nyswonger	28.86	330	eP	P	17 58 13.9 +2.8
PV20	West Nyswonger	28.86	330	eP	P	17 58 27.2 -1.9
SSPA	Standing Stone	28.87	21	eP	P	17 58 11.2 +0.2
SSPA	comp-Z, 59nm, 0.9s					
SSPA	Standing Stone	28.87	21	P	P	17 58 09.8 -1.2
MVL	Millersville	28.89	24	eP	P	17 58 11.6 +0.4
MVL	Millersville	28.89	24	eP	P	17 58 32.0 +2.9
PV14	Lion Creek, Pa	28.91	330	eP	P	17 58 14.2 +2.5
PV22	Blue Mesa, Par	28.92	331	eP	P	17 58 14.5 +2.7
PDMC	Parker Dam, Lak	28.94	318	P	P	17 58 13.6 +1.9
PV23	Carpenter Ridge	28.97	330	eP	P	17 58 15.1 +2.9
K47A	Vermontville	28.97	9	P	P	17 58 10.1 -1.7
PV09	Paradox Valley	29.06	330	eP	P	17 58 16.1 +3.0
M54A	Oil Creek Stat	29.08	18	eP	P	17 58 30.2 +2.1
M54A	Oil Creek Stat	29.08	18	P	P	17 58 11.8 -1.2
J39A	Decatur	29.15	359	P	P	17 58 12.3 -1.1
J42A	Columbus	29.18	3	P	P	17 58 12.1 -1.6
J41A	Loganville	29.19	2	P	P	17 58 13.0 -0.8
J40A	Soldiers Grove	29.21	1	P	P	17 58 12.9 -1.1
K48A	Perry	29.25	11	P	P	17 58 13.3 -1.1
SWSC	Sam W. Stewart	29.26	314	P	P	17 58 16.6 +2.0
W13A	Hualapai Mount	29.28	320	eP	P	17 58 17.4 +2.4
W13A	comp-Z, 73nm, 1.4s					
J43A	Natural Haven	29.28	4	eP	P	17 58 13.4 -1.2
IKP	In-Ko-Pah, Jac	29.31	313	P	P	17 58 17.6 +2.4
BC3	Big Chuckawall	29.43	316	P	P	17 58 18.3 +2.2
IRM	Iron Mountain	29.51	317	P	P	17 58 19.1 +2.3
NNA	Nana	29.53	151	PFAKE	LR	LR
NNA	comp-Z, 241nm, 21.0s					
J46A	Howard City	29.54	8	P	P	17 58 15.0 -1.9
NEE2	Needles Airpor	29.54	318	P	P	17 58 19.0 +1.9
J47A	Summer	29.55	9	P	P	17 58 14.9 -2.1
I39A	Houston	29.66	359	eP	P	17 58 18.2 +0.2
I39A	Houston	29.66	359	P	P	17 58 16.9 -1.1
MONP	Monument Peak	29.66	313	P	P	17 58 18.8 +0.3
N23A	Red Feather La	29.66	337	P	P	17 58 18.2 -0.2
I40A	Norwalk	29.70	1	P	P	17 58 17.2 -1.2
BAR	Barrett	29.73	313	eP	P	17 58 23.6 +4.9
I42A	Draeger Farm,	29.76	3	eP	P	17 58 38.3 +1.5
LUPA	Lehigh Univer	29.79	25	eP	P	17 58 19.9 +0.8
LUPA	Lehigh Univer	29.79	25	P	P	17 58 40.4 +3.2
I43A	Langenfeld Bro	29.80	4	P	P	17 58 18.0 -1.3
I41A	Arkdale	29.89	2	eP	P	17 58 39.6 +1.7
I41A	Arkdale	29.89	2	P	P	17 58 18.7 -1.2
N59A	State Game Lan	29.90	24	eP	P	17 58 20.8 +0.6
N59A	State Game Lan	29.90	24	eP	P	17 58 39.7 +1.5
N59A	State Game Lan	29.90	24	P	P	17 58 17.8 -2.4
ECSD	EROS Data Cent	29.91	352	eP	P	17 58 37.6 -0.5
ECSD	EROS Data Cent	29.91	352	LR	LR	LR
KNB	Knab	29.92	324	eP	P	17 58 23.2 +

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like E45A, ARVC, ISA, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like BMN, YMR, WAKR, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like G08A, PINE, JCC, etc.

Table with columns: ACPP, ACAP, CAIG, MEIG, TLIG, ARIG, ARIG, PLIG, Station Name, Az, El, P, S, Res, Time, Res

IDC 15 19:26:37.2.2.0.36:146N:143:45E, h10km, mb3.5/2, mb1 3.7/5, mb1mx3.4/32, mbtrmp3.7/5, ML3.3/3, MS3.5/1, Ms1 3.5/1, ms1mx2.5/3, Error ellipse: s-maj=46.9km s-min=31.4km az=84.0

ISCBJ 15 19:26:39.8.0.9.36:58N:140:143:28E:0.08, h33km, mb3.7/2, MS3.5/1, Error ellipse: s-maj=9.7km s-min=6.0km az=171.1

JMA 15 19:26:41.6.0.2.36:57N:143:17E, h56km, M3.1, ISC 15 19:26:40.6.1.4.36:56N:0.05:143:3E:0.1, h35km, n18, c#155/23, Off east coast of Honshu

Main station list table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res

ISK 15 19:49:43.0.35:37N:28:78E, h16km, ML2.6/16, DDA 15 19:49:46.3.35:60N:28:70E, h36km, ML3.0, ATH 15 19:49:46.2.35:62N:28:76E, h73km, ML2.4/4, Error ellipse: s-maj=4.9km s-min=1.4km az=346.0

THE 15 19:49:48.4.35:60N:28:80E, h25km, 9km, ML2.4/2, Error ellipse: s-maj=10.0km s-min=1.4km az=145.0

ISC 15 19:49:47.2.1.4.35:53N:0.05:28:77E:0.03, h26km, 13km, n60, c#97/79, Eastern Mediterranean Sea

Main station list table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res

Table with columns: VAMOS, ILMV, VMLV, DID, KLD, Station Name, Az, El, P, S, Res, Time, Res

CNRM 15 19:55:34.3.36:84N:13:00W, h102km, MDD 15 19:55:34.7.1.2.37:13N:12:97W, h25km, mb4 6/35, Error ellipse: s-maj=11.6km s-min=7.8km az=89.0, PRXIMO IGLI 15 19:55:35.2.37:17N:12:94W, h25km, ML3.0, LDG 15 19:55:36.9.0.2.37:20N:12:76W, h10km, M13.7/3, Error ellipse: s-maj=4.3km s-min=3.9km az=63.0, INMG 15 19:55:36.5.2.0.37:08N:13:13W, h10km, ML3.1, Error ellipse: s-maj=5.0km s-min=3.3km az=117.0

ISC 15 19:55:28.1.0.9.37:12N:0.04:13:11W:0.05, h10km, n119, c#51/200, 3C-2Z, Azores-Cape St. Vincent Ridge

Main station list table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res

Main station list table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like DPC, MRL, KRLC, BRG, etc.

ISCJB 15 20:18:58 1.0,5,20:40S:0:03:178:26W:0:02, h533km, gkm, mb5, 1/322, Error ellipse: s-maj=4.3km s-min=3.1km az=152.4

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like NIUE, RIZ, RAO, etc.

Main table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like PUZ, URZ, URZ, etc.

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like STKA, MANU, ARPS, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like OGNE Ogallala, CBKS Cedar Bluff, DGMT Dagmar, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like SFJD Summit, SUMG Summit, SVK Sverdlouvs, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like KIEV Kiev, AK11 Malin Array Si, SHEL Horse Pasture, etc.

Table with columns for station name, frequency, and other parameters. Includes stations like BRG, MORC, ROSA, PVCC, SEC, etc.

Table with columns for station name, frequency, and other parameters. Includes stations like MOA, ERIK, KZD, TAVA, ARSA, etc.

Table with columns for station name, frequency, and other parameters. Includes stations like FNA, FNA, FNA, etc.

MOS 15:20:20.14.5:0.0.43:31N-41:36E, h0km, MPVA3.2
MOS 15:20:20.14.5:0.0.43:32N-41:36E, M1.6, Industrial
explosion (after 'The Earthquakes of Russia in 2012.
Obninsk, GS RAS, 22ap + CD-ROM, 2014)

DDA 15:20:20.46.0.41:42N-42:31E, h7km, M1.6, Suspected
Mining explosion.

ISC 15:20:20.15:1.1.0.43:32N-0:04+1:33E, 0.03, h11km, 10km,
n12, e1903/23, Western Caucasus

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like ARXK, ARXK, RPOR, etc.

DJA 15:20:22.24.3.12:52N-118:18E, h10km, M3.87,
MLV3.87, South of Sumbawa

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like PLAI, PLAI, TWSI, etc.

UCR 15:20:29.02.0.2.0.8:91N-82:28W, h17km, 5km, MD4.3,
ML4.1, 1C-4D, Panama-Costa Rica border region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like EDSV, EDSV, etc.

Z53A	Monticello	65.56 349	P	P	21 15 02.4 +0.6
Z52A	Williamson	65.61 349	P	P	21 15 02.6 +0.5
GOGA	Godfrey	65.68 349	P	P	21 15 02.9 +0.5
Z44A	Avery, Jackson	65.83 343	P	P	21 15 04.3 +0.8
Z50A	Ashland	65.94 347	eP	P	21 15 04.8 +0.6
Z50A	Ashland	65.94 347	P	P	21 15 04.3 0.0
Y54A	Tignall	66.00 350	P	P	21 15 04.6 +0.1
Z49A	Columbiana	66.00 347	P	P	21 15 04.9 +0.4
146A	Union	66.01 344	P	P	21 15 04.7 +0.1
Y53A	Monroe	66.13 349	P	P	21 15 05.5 +0.1
Y52A	Lilburn	66.21 349	eP	P	21 15 06.3 +0.4
Y52A	Lilburn	66.21 349	P	P	21 15 06.4 +0.4
VNDA	Vanda	66.34 191	P	P	21 15 06.8 +0.5
Z48A	Northport	66.39 346	P	P	21 15 07.2 +0.2
Y51A	Rockmart	66.42 348	P	P	21 15 07.0 -0.3
Y50A	Piedmont	66.53 348	P	P	21 15 08.1 +0.1
HPIG		66.58 327	eP	P	21 15 10.6 +1.9
143A	Soos Landing	66.65 342	eP	P	21 15 10.8 +2.2
X52A	Dahlonega	66.91 349	P	P	21 15 11.1 +0.7
X51A	Calhoun	67.03 348	eP	P	21 15 11.9 +0.8
X51A	Calhoun	67.03 348	P	P	21 15 11.7 +0.5
X50B	Fort Payne	67.07 348	P	P	21 15 12.4 +1.0
KMSC	Kings Mountain	67.08 352	eP	P	21 15 12.5 +1.1
Y46A	Houston	67.16 345	P	P	21 15 12.2 +0.3
X49A	Woodville	67.24 347	P	P	21 15 13.1 +0.6
JCT	Junction City	67.25 334	eP	P	21 15 11.6 -1.1
JCT	Junction City	67.25 334	eP	P	21 15 11.6 -1.1
JCT	Junction City	67.25 334	P	P	21 15 13.8 +1.1
Y45A	Yeager Farm, C	67.30 344	P	P	21 15 14.0 +1.2
X48A	Hartselle	67.32 347	eP	P	21 15 13.7 +0.7
X48A	Hartselle	67.32 347	P	P	21 15 13.6 +0.6
W53A	Cullowhee	67.36 350	P	P	21 15 14.0 +0.6
W52A	Murphy	67.40 349	P	P	21 15 14.1 +0.6
X47A	Russelville	67.55 346	P	P	21 15 14.6 +0.2
W50A	Signal Mountai	67.73 348	eP	P	21 15 16.7 +1.1
W50A	Signal Mountai	67.73 348	P	P	21 15 16.3 +0.7
X46A	Booneville	67.75 345	P	P	21 15 16.2 +0.5
TXAR	Lajitas Array	67.77 330	P	P	21 15 17.2 +1.2
TXAR	Lajitas Array	67.77 330	P	P	21 15 17.2 +1.2
TX31	Lajitas Array	67.77 330	eP	P	21 15 17.7 +1.6
WHTX	Lake Whitney	67.79 337	eP	P	21 15 17.1 +1.0
WHTX	Lake Whitney	67.79 337	P	P	21 15 17.0 +1.0
Y53A	Saluda	67.80 350	eP	P	21 15 17.0 +1.0
Y53A	Saluda	67.80 350	P	P	21 15 16.4 +0.4
X45A	UM Field Stati	67.80 345	P	P	21 15 16.2 +0.3
CPCT	Cooper Cave	67.84 349	eP	P	21 15 17.2 +1.0
OXF	Oxford	67.89 345	eP	P	21 15 16.8 +0.3
OXF	Oxford	67.89 345	eP	P	21 15 16.8 +0.3
OXF	Oxford	67.89 345	P	P	21 15 17.1 +0.6
TBI	Tubuai	67.91 256	eS	S	21 24 13.0 -2.6
TBI	Tubuai	67.91 256	eLR	LR	21 35 47.2
TBI	Tubuai	67.91 256	eT	T	22 29 31.6
TKL	Tuckaleechee C	67.93 350	eP	P	21 15 17.4 +0.7
TKL	Tuckaleechee C	67.93 350	eP	P	21 15 17.5 +0.7
W48A	Pulaski	67.97 347	P	P	21 15 17.4 +0.3
SYO	Syowa Base	67.97 159	iX	X	21 15 11.6 -5.1
SYO	Syowa Base	67.97 159	iS	S	21 15 28.0 +4.9
X44A	Crenshaw	68.05 344	P	P	21 15 17.9 +0.4
PLAL	Pickwick Lake	68.05 346	eP	P	21 15 18.2 +0.6
V52A	Sevierville	68.08 350	eP	P	21 15 18.4 +0.6
V52A	Sevierville	68.08 350	P	P	21 15 17.9 +0.2
Y41A	Eaglebeard	68.08 342	P	P	21 15 18.7 +0.9
V50A	Pikeville	68.15 349	P	P	21 15 18.9 +0.7
V51A	Loudon	68.16 349	P	P	21 15 18.6 +0.3
W47A	Westpoint	68.21 346	P	P	21 15 18.9 +0.3
Y49A	McMinnville	68.39 348	P	P	21 15 19.9 +0.2
Y40A	Okolona	68.39 341	P	P	21 15 20.2 +0.5
U53A	Fall Branch	68.45 351	P	P	21 15 20.4 +0.3
V48A	Smith Brothers	68.53 347	P	P	21 15 21.0 +0.4
U51A	La Follette	68.67 350	P	P	21 15 21.8 +0.4
V47A	Nunnally	68.75 347	P	P	21 15 22.7 +0.7
TZTN	Tazewell	68.76 350	P	P	21 15 22.5 +0.5
U50A	Jamestown	68.84 349	P	P	21 15 22.5 0.0
V46A	Holladay	68.85 346	P	P	21 15 22.5 0.0
MIAR	Mount Ida	68.97 341	eP	P	21 15 21.5 -1.8
MIAR	Mount Ida	68.97 341	eP	P	21 15 21.5 -1.8
MIAR	Mount Ida	68.97 341	P	P	21 15 23.9 +0.6
X39A	Fountain Ranch	69.09 341	P	P	21 15 25.0 +0.9
WVT	Waverly	69.11 346	eP	P	21 15 24.7 +0.6
WVT	Waverly	69.11 346	eP	P	21 15 24.7 +0.6
WVT	Waverly	69.11 346	P	P	21 15 24.8 +0.6
ABTX	Abilene, Hawle	69.12 335	eP	P	21 15 25.6 +1.3
ABTX	Abilene, Hawle	69.12 335	P	P	21 15 25.3 +0.9

W41B	Gary Mavity, V	69.21 342	eP	P	21 15 25.9 +1.1
W41B	Gary Mavity, V	69.21 342	P	P	21 15 25.7 +0.7
U48A	Cassie Pea, Po	69.22 347	P	P	21 15 25.7 +0.8
T51A	Gray	69.23 350	P	P	21 15 25.1 +0.2
U47A	Clarksville	69.30 347	P	P	21 15 25.8 +0.5
U46A	Springville	69.40 346	P	P	21 15 26.5 +0.6
T50A	Nancy	69.43 349	P	P	21 15 26.3 +0.1
W40A	Ferguson Farm,	69.44 342	eP	P	21 15 27.9 +1.6
U45A	Rockin P Farm,	69.51 346	P	P	21 15 27.4 +0.8
R58B	Mineral	69.54 355	P	P	21 15 28.1 +1.4
T49A	Edmonton	69.62 348	P	P	21 15 27.8 +0.4
W39A	Magazine	69.64 341	eP	P	21 15 29.0 +1.5
W39A	Magazine	69.64 341	P	P	21 15 28.7 +1.3
V41A	Mountainview	69.76 343	P	P	21 15 28.8 +0.5
T48A	Bowling Green	69.78 348	P	P	21 15 28.6 +0.3
T47A	Sharon Grove	69.79 347	P	P	21 15 28.9 +0.5
S51A	Beattyville	69.84 350	P	P	21 15 29.1 +0.4
V40A	White Springs	69.95 342	eP	P	21 15 29.4 -0.1
V40A	Witts Springs	69.95 342	P	P	21 15 29.8 +0.4
T46A	Princeton	70.00 347	P	P	21 15 30.1 +0.5
U42A	Reverend	70.07 344	P	P	21 15 30.5 +0.4
V39A	Pettigrew	70.20 341	P	P	21 15 31.7 +0.7
S48A	Wiedeman Farm,	70.25 348	P	P	21 15 31.3 +0.1
PBMO	Poplar Bluff	70.29 344	eP	P	21 15 32.3 +0.9
S47A	Harford	70.34 347	P	P	21 15 31.7 0.0
T44A	Benton	70.40 345	P	P	21 15 32.6 +0.5
TIAR	Tiare	70.44 261	eT	T	22 32 43.5
U40A	Yellville	70.48 342	P	P	21 15 33.2 +0.6
MNTX	Cornudas Mount	70.55 330	eP	P	21 15 33.3 +0.1
MNTX	Cornudas Mount	70.55 330	P	P	21 15 33.2 +0.1
T43A	Greenville	70.55 345	P	P	21 15 33.3 +0.3
R50A	Paris	70.58 350	P	P	21 15 33.4 +0.2
S46A	Don Dixon Farm	70.59 347	P	P	21 15 33.5 +0.3
PPT2	Papeete2	70.62 261	eS	S	21 24 44.0 -3.9
PPT2	Papeete2	70.62 261	eLR	LR	21 37 02.7
U39A	Green Forest	70.67 342	P	P	21 15 34.4 +0.6
T42A	Van Buren	70.68 344	eP	P	21 15 34.9 +1.1
T42A	Van Buren	70.68 344	P	P	21 15 34.0 +0.1
HHAR	Hobbs	70.70 341	eP	P	21 15 34.7 +0.8
R49A	Shelbyville	70.72 349	P	P	21 15 34.2 +0.1
WMOK	Wichita Mounta	70.74 337	eP	P	21 15 34.5 +0.2
WMOK	Wichita Mounta	70.74 337	eP	P	21 15 34.5 +0.2
WMOK	Wichita Mounta	70.74 337	P	P	21 15 34.7 +0.4
S45A	Carrier Mills	70.75 346	P	P	21 15 34.4 +0.2
WCI	Wyandotte Cave	70.85 348	eP	P	21 15 35.1 +0.3
WCI	Wyandotte Cave	70.85 348	eP	P	21 15 35.1 +0.3
WCI	Wyandotte Cave	70.85 348	P	P	21 15 35.0 +0.1
T41A	Mountain View	70.86 343	P	P	21 15 35.3 +0.4
TUL1	Leonard	70.88 340	eP	P	21 15 36.0 +1.0
TUL1	Leonard	70.88 340	P	P	21 15 35.4 +0.4
S44A	Carbandale	70.91 346	P	P	21 15 35.6 +0.4
R48A	Northridge Ran	70.94 348	P	P	21 15 35.8 +0.4
Q52A	Bidwell	70.96 352	P	P	21 15 35.8 +0.3
S43A	Fulton Ridge,	70.97 345	P	P	21 15 35.9 +0.4
R46A	Gibson Southern	71.06 347	P	P	21 15 36.1 +0.1
Q51A	Peebles	71.17 351	P	P	21 15 37.2 +0.5
T39A	Clever	71.25 342	P	P	21 15 37.9 +0.6
R45A	Skylar, Fairfri	71.28 347	P	P	21 15 37.8 +0.3
S42A	Caledonia	71.32 344	P	P	21 15 38.0 +0.3
S41A	Jilco Farms,	71.37 344	P	P	21 15 38.5 +0.5
P53A	Whipple	71.38 352	P	P	21 15 38.6 +0.6
Q49A	Aurora	71.38 349	P	P	21 15 38.2 +0.2
R44A	Waltonville	71.40 346	P	P	21 15 38.4 +0.3
Q48A	North Vernon	71.44 349	P	P	21 15 38.4 +0.1
MVL	Millersville	71.47 356	eP	P	21 15 40.6 +2.1
T38A	Diamond	71.50 341	P	P	21 15 39.5 +0.6
Q47A	Gedord North L	71.56 348	P	P	21 15 39.4 +0.3
P51A	Williamsport	71.58 351	P	P	21 15 39.4 +0.2
P52A	Coning	71.61 352	P	P	21 15 40.0 +0.6
R43A	Red Bud	71.61 345	P	P	21 15 40.0 +0.6
CCM	Cathedral Cave	71.70 344	eP	P	21 15 39.4 -0.6
CCM	Cathedral Cave	71.70 344	eP	P	21 15 39.4 -0.6
CCM	Cathedral Cave	71.70 344	P	P	21 15 40.6 +0.7
P50A	Jamestown	71.81 350	P	P	21 15 41.0 +0.4
R42A	Luebbering	71.81 345	P	P	21 15 40.9 +0.3
Q45A	Warren Harvey,	71.84 347	P	P	21 15 40.9 +0.2
S39A	Bolivar	71.86 342	eP	P	21 15 41.6 +0.6
S39A	Bolivar	71.86 342	P	P	21 15 41.6 +0.6
P49A	Miami Univ. Ec	71.87 350	P	P	21 15 40.8 -0.2
O56A	Blue Knob Stat	71.88 355	P	P	21 15 41.9 +0.9
AMTX	Amarillo	71.89 335	eP	P	21 15 41.4 +0.1
AMTX	Amarillo	71.89 335	P	P	21 15 42.5 +1.2

P48A	Milroy	71.91 349	P	P	21 15 41.1 -0.1
R41A	Rosebud	71.96 344	P	P	21 15 42.2 +0.6
S38A	Stockton	71.96 342	P	P	21 15 42.1 +0.6
O52A	Adamsville	72.05 352	P	P	21 15 41.9 -0.1
O51A	Pataskala	72.17 351	P	P	21 15 43.2 +0.4
SSPA	Standing Stone	72.19 355	P	P	21 15 42.8 -0.1
Q43A	New Douglas	72.20 346	P	P	21 15 43.3 +0.3
121A	Cookes Peak, D	72.31 329	P	P	21 15 45.8 +1.9
ACSO	Alum Creek Sta	72.31 351	eP	P	21 15 43.5 0.0
ACSO	Alum Creek Sta	72.31 351	P	P	21 15 44.0 +0.5
N59A	State Game Lan	72.35 357	eP	P	21 15 46.1 +2.3
Q42A	Golden Eagle	72.35 345	P	P	21 15 44.4 +0.5
P46A	Rosedale	72.36 348	P	P	21 15 43.8 -0.1
O49A	Covington	72.45 350	P	P	21 15 44.3 -0.1
Q41A	Truxton	72.55 344	P	P	21 15 45.5 +0.5
O48A	Farmland	72.64 349	P	P	21 15 45.4 -0.2
N54A	Moraine State	72.69 354	P	P	21 15 45.9 +0.1
O47A	Sheridan	72.79 349	P	P	21 15 46.2 -0.2
P43A	Skaggs, Pawnee	72.84 346	P	P	21 15 46.7 0.0
N50A	Nevada	72.86 351	P	P	21 15 47.0 +0.2
N51A	Ashland	72.91 352	P	P	21 15 47.3 +0.2
P42A	Winchester	72.96 345	P	P	21 15 47.6 +0.1
O45A	Potomac	73.07 347	P	P	21 15 48.0 -0.1
SFIN	Lafayette	73.08 348	P	P	21 15 48.1 0.0
O44A	Mansfield	73.12 347	P	P	21 15 48.6 +0.2
Q38A	Cooks Store, C	73.14 343	P	P	

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like L41A Preston, L40A Anamosa, L40A Anamosa, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like LCMT Little Creek M, TUQ Turquoise Moun, G39A Holcombe, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like BOZ Bozeman (W), DLMT Dillon, O03E Payne's Creek, etc.

LZH	comp=Z,2um,12.5s	LR	LR				
LZH	comp=Z,2um,13.0s	LR	LR				
ZAK	comp=Z,2um,16.0s	Zakamensk	30.80 309	eP	P	21 54 00.9	-1.0
ZAK	comp=Z,5.0nm,1.0s	Guilyang	31.54 261	fP	P	21 54 08.0	-0.6
GYA				pP	sP	21 54 28.8	+1.2
GYA				sP	pP	21 54 36.0	+2.2
GYA				pP	pP	21 55 17.8	-2.1
GYA				S	S	21 59 12.3	-4.0
GYA				sS	sS	21 59 41.4	+1.5
GYA				SS	SSn	22 01 04.8	+3.0
GYA	comp=Z,20nm,0.8s			pmax	pmax		
GYA	comp=Z,110nm,5.0s						
GYA	comp=Z,490nm,16.9s			LR	LR		
GYA	comp=Z,420nm,16.8s			LR	LR		
GYA	comp=Z,490nm,16.7s			LR	LR		
CD2	Chengdu	32.06 271	eP	P	21 54 13.0	-0.1	
CD2	comp=Z,10.0nm,0.5s			pmax	pmax		
DAV	Davao City (W)	33.00 211	LR	LR	22 06 23.7		
GTA	Gaotai	33.04 288	eP	P	21 54 22.3	+0.6	
GTA				pP	sP	21 54 37.8	+7.9
GTA				sP	pP	21 54 44.5	+1.7
GTA				S	S	21 59 37.8	-1.7
GTA	comp=Z,5.0nm,1.0s			pmax	pmax		
GTA	comp=Z,43nm,4.6s			LR	LR		
GTA	comp=Z,240nm,20.3s			LR	LR		
GTA	comp=Z,96nm,18.2s			LR	LR		
GTA	comp=Z,150nm,16.8s			LR	LR		
BILL	Bilibino	34.28 16	iP	P	21 54 31.5	-0.4	
BILL	comp=Z,11nm,1.1s			pmax	pmax		
KMI	Kunming	35.29 262	P	P	21 54 47.3	+5.9	
KMI				pP	sP	21 54 54.8	+5.2
KMI				sP	pP	21 54 58.8	+1.2
KMI	comp=Z,7.0nm,1.3s			LR	LR		
KMI	comp=N,270nm,18.0s			LR	LR		
KMI	comp=E,300nm,14.8s			LR	LR		
KMI	comp=Z,170nm,17.6s			LR	LR		
TIXI	Tiksi	35.71 353	P	P	21 54 43.3	-0.9	
TIXI	comp=Z,2.4nm,0.7s,baz=140,slow=7.2,SNR=8.6						
TIXI	Tiksi	35.71 353	eP	P	21 54 43.8	-0.4	
TIXI	comp=Z,5.6nm,1.1s						
TIXI	Tiksi	35.71 353	deP	P	21 54 43.6	-0.6	
UBPT	Khong Chiam	38.73 246	P	P	21 55 12.3	+1.9	
NONG	Nongkai	38.75 252	P	P	21 55 11.8	+1.2	
SKNT	Sakolnakorn	38.77 250	P	P	21 55 12.0	+1.2	
CHAI	Chaiyaphum	40.94 250	P	P	21 55 30.0	+1.2	
WMQ	Urumqi	41.35 297	P	P	21 55 34.3	+2.2	
WMQ	comp=Z,6.1nm,0.8s,comp=2.68nm			sP	sP	21 55 59.4	+1.9
WMQ	comp=Z,33nm,0.7s			pmax	pmax		
WMQ	comp=Z,150nm,3.7s			LR	LR		
WMQ	comp=Z,110nm,22.5s			LR	LR		
WMQ	comp=Z,140nm,24.7s			LR	LR		
CMMT	Chiang Mai	41.57 257	P	P	21 55 35.7	+1.6	
CHTO	Chiang Mai	41.57 257	eP	P	21 55 34.3	+0.2	
CHTO	Chiang Mai	41.57 257	eP	pmax	pmax		
CHTO	Chiang Mai	41.57 257	eP	P	21 55 35.7	+1.6	
CMAR	Chiang Mai Arr	41.78 256	P	P	21 55 35.6	-0.1	
CMAR	comp=Z,1.4nm,0.6s,baz=56,slow=5.5,SNR=8.1			PcP	PcP	21 57 31.2	-0.6
CMAR	comp=Z,0.5nm,0.3s,baz=15,slow=3.2,SNR=5.1			LR	LR	22 15 27.7	
SRAK	Grakaeu	42.08 248	P	P	21 55 38.1	-0.1	
ZAAO	Zalesovo Array	42.45 313	eP	P	21 55 40.9	+0.1	
ZALV	Zalesovo Beam	42.45 313	P	P	21 55 40.8	+0.0	
ZALV	comp=Z,9.7nm,0.7s,baz=92,slow=6.7,SNR=38			PcP	PcP	21 57 32.8	-0.6
ZALV	comp=Z,3.3nm,0.5s,baz=90,slow=2.4,SNR=5.4			P	P	21 55 40.8	+0.0
ZALV	Zalesovo Beam	42.45 313	P	P	21 57 32.8	-0.6	
ZALV	Zalesovo Beam	42.45 313	P	P	21 57 33.3	-0.1	
ZALV	Zalesovo Beam	42.45 313	P	P	21 55 40.8	+0.0	
ZALV	Zalesovo Beam	42.45 313	P	P	21 57 33.3	-0.1	
LSA	Lhasa	42.63 276	eP	P	21 55 44.5	+1.4	
LSA	comp=Z,3.8nm,0.5s			pmax	pmax		
LSA	Lhasa	42.63 276	eP	P	21 55 44.5	+1.4	
CHBT	CHBT	42.67 246	P	P	21 55 33.3	-1.0	
NVS	Novosibirsk	43.38 314	eP	pmax	pmax	21 55 48.7	+0.4
NVS	comp=Z,15nm,1.1s			pmax	pmax		
NR1K	Noril'sk	43.77 335	P	P	21 55 50.8	-0.5	
MK01	Makanchi Array	44.64 302	eP	P	21 55 58.3	-0.3	
MK31	Makanchi Array	44.64 303	eP	P	21 55 58.6	0.0	
MK31	Makanchi Array	44.64 303	eP	P	21 55 58.6	0.0	
MKAR	Makanchi Array	44.64 303	eP	P	21 55 58.1	-0.5	
MKAR	comp=E,9.7nm,0.9s,baz=91,slow=8.6,SNR=33			PcP	PcP	21 57 47.2	+0.0
MKAR	comp=E,2.6nm,0.9s,baz=94,slow=9.1,SNR=2.9			P	P	21 55 58.6	0.0
MKAR	Makanchi Array	44.64 303	eP	P	21 57 40.6	-0.5	
MKAR	Makanchi Array	44.64 303	eP	P	21 55 58.6	0.0	
MKAR	Makanchi Array	44.64 303	eP	P	21 57 40.6	-0.5	
KURK	Kurchatov	46.46 308	eP	P	21 56 12.6	-0.3	
KURK	comp=E,18nm,0.8s			PcP	PcP	21 57 47.2	0.0
KURK	Kurchatov	46.46 308	eP	P	21 56 12.6	-0.3	
KURK	Kurchatov	46.46 308	eP	P	21 56 12.6	-0.3	
KURK	comp=Z,13nm,0.8s			pmax	pmax		
KURK	comp=Z,2.0nm,0.7s			pmax	pmax		
KURB	Kurchatov Arr	46.53 308	P	P	21 56 12.9	-0.6	
KURB	comp=Z,13nm,0.8s,baz=84,slow=8.0,SNR=52			PcP	PcP	21 57 47.2	-0.3
RAMN	Ramite	47.41 275	eP	P	21 56 21.3	+0.3	
JIRN	Jiri	47.43 276	eP	P	21 56 22.1	+0.8	
GUN	Gumba	47.58 276	eP	P	21 56 22.6	+0.3	
KRAB	Krabi	47.97 245	P	P	21 56 28.4	+3.3	
PKI	Pulchoki	48.10 276	eP	P	21 56 26.3	-0.1	
PKIN	Pulchoki	48.10 276	eP	P	21 56 26.4	0.0	
KKN	Kakani	48.11 276	eP	P	21 56 26.5	+0.2	

PRZ	Przheval'sk	48.28 298	eP	P	21 56 28.9	+1.5	
PRZ	Przheval'sk	48.28 298	eP	P	21 56 28.9	+1.5	
PRZ	comp=Z,13nm,1.0s			pmax	pmax		
PKDT	Phuket	48.82 245	P	P	21 56 34.7	+3.1	
HNR	Honiara	48.89 156	LR	LR	22 14 19.1		
MDM	Murphy Dome	49.03 32	eP	P	21 56 34.5	+1.8	
DANN	Dangsing	49.08 278	eP	P	21 56 34.5	+0.6	
KOLD	Koldanda	49.46 277	eP	P	21 56 36.2	-0.5	
KOLN	Koldanda	49.46 277	eP	P	21 56 36.2	-0.5	
IL1	Eielson Array	49.61 32	eP	P	21 56 37.3	+0.3	
ILAR	Eielson Array	49.61 32	eP	P	21 56 36.7	-0.3	
ILB	Eielson Array	49.61 32	eP	P	21 56 38.1	+1.1	
PYUN	Pyiuthan	49.80 278	eP	P	21 56 39.4	+0.1	
NRN	Naryn	50.29 297	eP	P	21 56 43.8	+0.8	
NRN	Naryn	50.29 297	eP	P	21 56 43.8	+0.8	
NRN	comp=Z,5.6nm,1.1s			pmax	pmax		
NRN	comp=Z,6.0nm,1.1s			pmax	pmax		
KSH	Kashi	50.91 295	P	P	21 56 51.1	+3.7	
KSH	comp=Z,9.0nm,1.1s			pmax	pmax		
KSH	comp=Z,290nm,5.0s			LR	LR		
KSH	comp=Z,250nm,6.8s			LR	LR		
KSH	comp=Z,290nm,6.2s			LR	LR		
KSH	comp=Z,610nm,7.4s			LR	LR		
BRVK	Borovyoe	51.16 313	eP	P	21 56 48.3	-0.6	
BRVK	Borovyoe	51.16 313	eP	P	21 56 49.2	+0.2	
BRVK	comp=Z,9.0nm,0.8s			pmax	pmax		
KK31	Karatay Array	53.64 300	eP	P	21 57 07.8	+0.2	
KK31	Karatay Array	53.64 300	eP	P	21 57 07.8	+0.2	
KKAR	Karatay Array	53.64 300	eP	P	21 57 07.8	+0.2	
KKAR	Karatay Array	53.64 300	eP	P	21 57 07.8	+0.2	
INK	Inuvik	54.55 27	eP	P	21 57 15.2	+1.5	
INL	Inuvik	54.55 27	eP	P	21 57 15.2	+1.5	
NIL	Nilore	55.10 289	eP	P	21 57 18.8	+0.5	
NIL	Nilore	55.10 289	eP	P	21 57 18.8	+0.5	
SVE	Sverdlorsk	55.68 319	eP	P	21 57 21.5	-0.6	
SVE	comp=Z,16nm,1.1s			pmax	pmax		
FITZ	Fitzroy Crossi	56.58 199	LR	LR	22 22 19.4		
WRAB	Tennant Creek	56.73 188	eP	P	21 57 30.0	+0.1	
WRAB	Tennant Creek	56.73 188	eP	P	21 57 29.5	-0.4	
WRAB	comp=Z,3.0nm,1.0s			pmax	pmax		
WB2	Warrungarra Arr	56.74 189	P	P	21 57 30.5	+0.5	
WRA	Warrungarra Arr	56.74 189	P	P	21 57 29.7	-0.3	
ARU	Arti	56.89 319	eP	P	21 57 30.6	-0.1	
ARU	Arti	56.89 319	eP	P	21 57 30.6	-0.1	
ARU	comp=Z,16nm,1.1s			sP	sP	21 57 44.8	+5.7
ARU	comp=Z,5.5nm,1.0s,baz=31,slow=7.6,SNR=4.7			S	SS	21 58 22.5	
ARU	comp=Z,16nm,1.1s			SS	SS	21 59 35.1	
ARU	comp=Z,16nm,1.1s			SS	SS	22 05 20.1	-3.2
ARU	comp=Z,16nm,1.1s			SS	SS	22 09 04.0	-7.1
ARU	comp=Z,259nm,19.0s			MLR	MLR		
KBL	Kabul	57.91 291	eP	P	21 57 38.9	+0.4	
KBL	Kabul	57.91 291	eP	P	21 57 38.9	+0.4	
KBL	comp=Z,12nm,1.1s			pmax	pmax		
ABKAR	Abkhar array	58.47 310	eP	P	21 57 41.6	-0.3	
AS01	Alice Springs	60.47 188	eP	P	21 57 56.4	+0.5	
ASAR	Alice Springs	60.47 188	eP	P	21 57 55.4	-0.6	
PRGR	Permogore	61.29 327	eP	P	21 58 01.0	-0.1	
PRGR	comp=Z,13nm,1.1s			pmax	pmax		
GEYT	Alibeck	64.35 299	P	P	21 58 20.9	-1.0	
ARCES	ARCESS Array B	64.48 340	eP	P	21 58 20.1	-2.2	
VRH	Novokhoporsky	68.11 318	eP	P	21 58 43.7	-2.1	
OBN	Obninsk	68.62 323	eP	P	21 58 48.7	-0.2	
OBN	comp=Z,10.0nm,0.6s			pmax	pmax		
LPSR	Galich ya Gora	68.83 320	eP	P	21 58 49.7	-0.6	
LPSR	comp=Z,22nm,1.7s			pmax	pmax		
FIA1	FINESS Array S	69.32 332	eP	P	21 58 53.4	+0.3	
FINES	FINESS Array B	69.32 332	eP	P	21 58 52.9	-0.3	
FINES	FINESS Array B	69.32 332	iP	P	21 58 53.4	+0.3	
FINES	comp=Z,12nm,0.9s			pmax	pmax		
VSR	Storozhevoye	69.47 319	eP	P	21 58 51.8	-2.4	
VSR	comp=Z,10.0nm,0.6s			pmax	pmax		
WORD	Dvignogorie	69.53 319	eP	P	21 58 53.3	-1.3	
WORD	comp=Z,7.0nm,0.7s			pmax	pmax		
YBH	Yreka Blue Hor	70.27 52	P	P	21 59 00.6	+1.1	
PINE	Pin Mountain	70.29 50	eP	P	21 59 02.1	+2.4	
E09A	Wood Farm, Sta	70.50 46	eP	P	21 59 02.8	+2.1	
K05A	Summit Lake	70.89 51	eP	P	21 59 05.7	+2.3	
NCK	Nalchik	71.14 310	eP	P	21 59 04.5	-0.1	
NCK	comp=Z,4.0nm,0.4s			pmax	pmax		
ZEI	Tsey	71.33 310	iP	P	21 59 04.6	-1.5	
ZEI	comp=Z,5.0nm,0.9s			pmax	pmax		
KBZ	Khabaz	71.44 311	eP	P	21 59 07.0	+0.6	
KIV	Kislovodsk	71.44 311	eP	P	21 59 07.0	+0.6	
KIV	Kislovodsk	71.44 311	eP	P	21 59 06.9	+0.4	
KIV	Kislovodsk	71.44 311	eP	P	21 59 07.1	+0.6	
KIV	comp=Z,25nm,1.0s			pmax	pmax		
MOD	Modoc Plateau	71.70 51	eP	P	21 59 09.9	+1.7	
MOD	comp=Z,5.0nm,0.9s			pmax	pmax		

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Muntele Rosu, Muntele Rosu, White River Ci, Cluj-Napoca, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like FUORN Ofenpass-Fuorn, TX31 Lajitas Ar, TORD Torodi Ar, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like EMIN Mina Concepcio, EMIN Porto Santo, PMPs Porto Santo, etc.

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

IDC 15 21:55:42.9-0.9,23:83N,45:57W,h0km,mb3.9/10, mb1 4.0/10, mb1mx3.6/43, mtomp3.9/10, MS3.4/10, Ms1 3.4/10, ms1mx3.2/37, Error ellipse: s-maj=29.4km s-min=20.8km az=155.0, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MDP, SJG, PTGA, SDV, etc.

MDD 15 21:56:40.0-1.5, 37:15N, 12:83W, h20km, mb4.4/19, Error ellipse: s-maj=13.4km s-min=10.9km az=69.0, PRXIMO IGLI 15 21:56:40.7, 37:16N, 12:82W, h20km, ML2.7 CNRM 15 21:56:41.8, 36:84N, 12:49W, h128km LDG 15 21:56:41.5, 30:37N, 12:72W, h10km, MI3.3/3, Error ellipse: s-maj=5.6km s-min=4.7km az=58.0 INMG 15 21:56:41.7, 1.9, 37:10N, 13:06W, h10km, ML2.7, Error ellipse: s-maj=5.4km s-min=3.8km az=97.0 ISC 15 21:56:39.7-3.3, 37:30N, 12:09W, 0.2, h10km, n93, r155/147, IC, Azores-Cape St. Vincent Ridge

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ALMR, ALMR, ALMR, Barranco-do-Ve, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like EAGO, EAGO, EGOR, EGOR, EPON, EPON, GUD, GUD, etc.

MEX 15 22:00:38.2-0.3, 16:17N, 96:12W, h50km, 13km, MD3.6, Oaxaca

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

IDC 15 22:03:35.5-1.0, 6:40N, 123:61E, h0km, mb3.7/6, mb1 3.9/8, mb1mx3.6/37, mtomp3.8/8, ML4.2/2, Error ellipse: s-maj=26.9km s-min=17.8km az=59.0 MAN 15 22:03:38.6, 6:64N, 123:79E, h10km, mb4.7, ML3.6, MS3.5 ISC 15 22:03:37.6-1.8, 6:63N, 123:72E, h0km, mb4.7, h7km, n11km, n16, r180/23, mb3.5/7, 1C-1D, Mindanao

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

MOS 15 22:18:46.5-0.0, 42:59N, 44:45E, h16km, MPVA2.9, ISC 15 22:18:48.6-1.0, 42:62N, 44:44E, 0.03, h16km, 7km, n18, r098/36, Western Caucasus

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

BW06	Boulder Array	58.37	60	P	P	22 54 55.3 +1.3
PD31	Pinedale Array	58.37	60	eP	P	22 54 55.4 +1.3
PDAR	Pinedale Array	58.37	60	P	P	22 54 55.0 0.0
PDAR	Pinedale Array	58.37	60	eP	P	22 54 55.0 +0.9
AKTO	Aktuyubinsk	58.49	313	P	P	22 54 53.2 -1.3
MPAC	Manual Prospec	58.51	71	P	P	22 54 55.4 +0.3
ODAM	Odare	58.60	274	eP	P	22 54 55.5 -0.4
TPNV	Topopah Spring	58.62	69	eP	P	22 54 57.2 +1.4
TPNV	Topopah Spring	58.62	69	eP	P	22 54 57.2 +1.4
TPNV	Topopah Spring	58.62	69	P	P	22 54 57.2 +1.4
TPNV	Topopah Spring	58.62	69	P	P	22 54 56.7 +0.9
JIRN	Jiri	58.77	276	eP	P	22 54 56.7 -0.5
GUN	Gumba	58.78	276	eP	P	22 54 56.6 -0.7
PSUT	Pine Spring	58.90	66	eP	P	22 54 59.2 +1.4
NLU	North Lily Min	58.92	64	eP	P	22 54 56.9 -1.0
BRDH	Baridaha	59.01	268	P	P	22 54 58.7 +0.3
RAMN	Ramite	59.02	275	eP	P	22 54 58.2 -0.6
KKN	Kakani	59.24	277	eP	P	22 54 59.9 -0.4
SRAK	Srakaw	59.27	253	P	P	22 54 59.8 -0.5
KONS	Konsvik	59.29	345	eP	P	22 55 00.9 +1.2
PKI	Pulchoki	59.31	276	eP	P	22 55 00.3 -0.6
PKIN	Pulchoki	59.32	276	eP	P	22 55 00.2 -0.7
NAYO	Nakonayok	59.46	253	P	P	22 55 03.5 +1.9
UMPA	Umpang Tak	59.46	257	P	P	22 55 05.5 +3.9
DMN	Daman	59.47	277	eP	P	22 55 01.8 -0.1
UTHA	Uthaitani	59.61	256	P	P	22 55 05.3 +2.7
DMN	Daman	59.77	278	eP	P	22 55 03.6 -0.4
TANT	Trail Mountain	59.86	64	eP	P	22 55 06.1 +1.6
CCUT	Cedar City	59.86	67	eP	P	22 55 06.5 +2.1
HEC	Hector Ludlow	60.04	71	eP	P	22 55 05.9 +0.3
P18A	Preston Nutter	60.16	63	P	P	22 55 06.3 -0.3
KOLN	Koldanda	60.28	278	eP	P	22 55 06.8 -0.7
LCMT	Little Creek M	60.30	67	eP	P	22 55 09.1 +1.7
RSSD	Black Hills	60.32	55	eP	P	22 55 08.8 +1.3
RSSD	Black Hills	60.32	55	eP	P	22 55 08.8 +1.3
RSSD	Black Hills	60.32	55	P	P	22 55 08.4 +0.9
SRU	San Rafael Swe	60.37	64	eP	P	22 55 09.4 +1.5
SRU	San Rafael Swe	60.37	64	eP	P	22 55 09.4 +1.5
PYUN	Pluhtan	60.42	279	eP	P	22 55 07.7 -0.7
GMRC	Granite Mounta	60.47	70	P	P	22 55 08.5 -0.1
KNB	Kanab	60.54	67	eP	P	22 55 11.0 +1.9
KNB	Kanab	60.54	67	eP	P	22 55 11.0 +1.9
LDFC	Landfair	60.58	70	eP	P	22 55 10.3 +1.0
SRDT	SRDT	60.74	255	P	P	22 55 12.7 +2.3
BELO	Belle Mtn. Jos	60.82	71	P	P	22 55 11.0 +0.1
FRD	Ford Ranch, An	60.82	72	P	P	22 55 11.2 +0.3
PATY	Patlaya	60.82	253	P	P	22 55 14.6 +3.7
O20A	White River Ci	60.90	61	P	P	22 55 12.1 +0.6
FIAT	FINESS Array S	61.18	337	eP	P	22 55 12.5 -0.2
FINES	FINESS Array B	61.18	337	eP	P	22 55 13.2 +0.4
FINES	LR					23 25 48.8
U15A	North Rim	61.26	67	eP	P	22 55 15.5 +1.4
NSS	Namsos	61.30	345	eP	P	22 55 14.5 +1.0
DHRM	DHARAMSHALA	61.51	287	eP	P	22 55 14.7 -1.1
PHET	Kaeng Krachan	61.57	254	P	P	22 55 18.0 +2.0
N23A	Red Feather La	61.60	59	P	P	22 55 17.3 +0.9
PV21	Cone Mtn., Par	61.61	63	eP	P	22 55 17.8 +1.4
PV23	Carpenter Ridg	61.67	63	eP	P	22 55 17.4 +0.6
PV22	Blue Mesa, Par	61.73	63	eP	P	22 55 18.6 +1.4
BOK	Bokaro	61.76	273	eP	P	22 55 17.4 +0.1
SMLA	Simla	61.79	285	eP	P	22 55 15.9 -1.4
PV17	East Wray Mesa	61.82	63	eP	P	22 55 19.1 +1.4
PV16	Nyswonger Mesa	61.82	63	eP	P	22 55 19.6 +1.8
DD1	Dehra Dun	61.83	284	eP	P	22 55 16.8 -0.9
PV11	David Mesa, Pa	61.85	63	eP	P	22 55 19.4 +1.4
PV18	Skein Mesa, Pa	61.87	63	eP	P	22 55 19.4 +1.3
PV12	Saucer Basin	61.88	63	eP	P	22 55 20.9 +2.7
PV05	Paradox Valley	61.89	63	eP	P	22 55 19.8 +1.6
PV03	Paradox Valley	61.90	63	eP	P	22 55 19.8 +1.2
PV13	Radium Mtn., P	61.98	63	eP	P	22 55 20.3 +1.4
NIL	Nilore	62.31	290	eP	P	22 55 20.1 -0.7
NIL	Nilore	62.31	290	eP	P	22 55 20.1 -0.7
WUJAZ	Wupakti	62.43	67	P	P	22 55 22.5 +0.7
ISCO	Idaho Springs	62.56	60	eP	P	22 55 23.8 +1.0
ISCO	Idaho Springs	62.56	60	eP	P	22 55 23.8 +1.0
ISCO	Idaho Springs	62.56	60	P	P	22 55 24.4 +1.6
MOS	Moscow	62.58	327	eP	P	22 55 20.0 -2.3
MOS	Moscow			eS	S	23 03 46.8 -0.7
MOS	Moscow			P	P	22 55 23.1 +0.5
MOS	Moscow			MLR	MLR	
MOS	Moscow			MLR	MLR	
MOS	Moscow			MLR	MLR	
TBLU	Trondheim	62.77	345	eP	P	22 55 23.7 +0.3
S22A	4UR Ranch, Cre	63.38	62	eP	P	22 55 30.1 +1.9
S22A	4UR Ranch, Cre	63.38	62	P	P	22 55 29.1 +0.9
OBN	Obninsk	63.44	327	P	P	22 55 27.9 -0.1
OBN	Obninsk	63.44	327	eP	P	22 55 27.5 -0.5
OBN	Obninsk	63.44	327	iP	P	22 55 26.9 -1.1
OBN	Obninsk			iS	S	22 56 05.4
OBN	Obninsk			P	P	23 04 09.3 +1.1
OBN	Obninsk			MLR	MLR	
EYMN	Ely	63.52	45	eP	P	22 55 29.3 +0.7
EYMN	Ely	63.52	45	P	P	22 55 29.0 +0.4
VSU	Vasula	63.58	335	eP	P	22 55 28.6 -0.3

VSU	comp=Z,140nm,0.8s					22 55 30.5
VSU	Vasula	63.58	335	eP	P	22 55 28.0 -0.8
MOL	Molde	63.83	346	eP	P	22 55 32.4 +1.9
KBL	Kabul	64.09	293	eP	P	22 55 31.1 -1.8
KBL	Kabul	64.09	293	eP	P	22 55 31.1 -1.8
SDCO	Great Sand Dun	64.10	61	eP	P	22 55 35.2 +2.1
SDCO	Great Sand Dun	64.10	61	eP	P	22 55 32.7 -0.3
ECSD	EROS Data Cent	64.30	51	eP	P	22 55 34.2 +0.4
ECSD	EROS Data Cent	64.30	51	P	P	22 55 34.2 +0.4
BWNR	Bhubaneshwar	64.40	271	eP	P	22 55 34.2 -0.6
NC303	NORSAR Array S	64.48	344	eP	P	22 55 35.8 +1.0
E38A	The Farm, Brul	64.51	46	P	P	22 55 35.4 +0.2
NC405	NORSAR Array S	64.53	343	eP	P	22 55 35.9 +0.9
NC204	NORSAR Array S	64.54	344	eP	P	22 55 36.1 +0.9
NB201	NORSAR Array S	64.66	344	eP	P	22 55 36.9 +1.0
LPSR	Galich'ya Gora	64.67	325	eP	P	22 55 35.1 -0.8
NB2	NORSAR Subarra	64.68	344	P	P	22 55 36.6 +0.5
NB2	NORSAR Subarra	64.68	344	P	P	22 55 36.6 +0.5
NOA	NORSAR Array B	64.68	344	P	P	22 55 36.3 +0.2
NOA	comp=Z,11nm,0.7s,baz=21,slow=6.6,SNR=56			LR	LR	23 26 30.7
VRH	Novokhopovorsk	64.75	322	eP	P	22 55 36.0 -0.6
VRH	comp=Z,30nm,0.7s			MLR	MLR	
NB000	NORSAR Array S	64.77	344	eP	P	22 55 38.2 +1.6
F38A	Pierce - Schro	64.85	47	P	P	22 55 37.3 -0.1
NAO01	NORSAR Array S	64.92	344	eP	P	22 55 38.2 +0.6
SPMN	Marine on St.	64.98	48	P	P	22 55 38.6 +0.3
E39A	Mellen	65.13	46	P	P	22 55 39.0 -0.2
F39A	Loretta	65.32	46	P	P	22 55 40.6 +0.2
E40A	Wakefield	65.37	45	P	P	22 55 41.3 +0.6
G38A	Ridgeland	65.46	48	P	P	22 55 41.3 -0.1
D41A	Chassel	65.47	44	P	P	22 55 42.2 +0.8
KRAB	Krabi	65.54	251	P	P	22 55 45.9 +3.6
TRTT	Trang	65.56	250	P	P	22 55 46.2 +3.8
ANMO	Albuquerque	65.62	641	eP	P	22 55 43.5 +0.7
H38A	Maiden Rock	65.64	48	P	P	22 55 43.0 +0.4
G39A	Holcombe	65.69	47	P	P	22 55 43.0 +0.1
VSR	Storozhevoje	65.70	324	eP	P	22 55 41.3 -1.5
VSR	comp=Z,10.0nm,0.7s			MLR	MLR	
E41A	Kenton	65.76	45	P	P	22 55 43.7 +0.4
VORD	Divnogorie	65.86	323	eP	P	22 55 42.6 -1.2
IZAR	Zarasai	66.07	333	eP	P	22 55 45.1 0.0
IZAR	comp=Z,17nm,0.9s			IAMB	IAMB	22 55 46.7
G40A	Rib Lake	66.14	46	P	P	22 55 45.7 0.0
E42A	Champion	66.25	44	P	P	22 55 46.7 +0.2
ISAL	Salakas	66.26	333	eP	P	22 55 46.3 0.0
ISAL	comp=Z,12nm,0.7s			IAMB	IAMB	22 55 48.1
F41A	Three Lakes	66.26	45	eP	P	22 55 47.4 +0.8
F41A	Three Lakes	66.26	45	P	P	22 55 47.0 +0.5
KONO	Kongsberg	66.27	344	eP	P	22 55 47.2 +0.8
PKDT	Phuket	66.31	252	P	P	22 55 48.6 +1.4
K37A	Belmond	66.46	50	P	P	22 55 47.7 -0.2
H40A	Chili	66.55	47	P	P	22 55 49.0 +0.6
I39A	Houston	66.62	48	P	P	22 55 48.9 +0.1
121A	Cookes Peak, D	66.64	67	P	P	22 55 48.2 -1.2
NACGM	Naroch	66.66	333	eP	P	22 55 48.0 -0.9
NACGM	comp=Z,0.1nm,0.8s			PM	PM	22 55 49.0
NACGM	comp=Z,10.0nm,0.8s			eLQ	LQ	23 27 10.0
NACGM	Port Blair	66.70	259	eP	LR	23 28 17.0
H41A	Junction City	66.89	47	eP	P	22 55 42.2 -7.5
H41A	Junction City	66.89	47	P	P	22 55 51.0 +0.5
J39A	Decorah	66.94	49	P	P	22 55 50.6 +0.1
I40A	Norwalk	67.01	48	P	P	22 55 51.0 -0.4
F43A	Flat Rock, Esc	67.04	44	P	P	22 55 51.5 0.0
SCIA	State Center	67.32	51	eP	P	22 55 53.0 -0.3
K39A	Oelwein	67.34	49	P	P	22 55 53.1 -0.3
J40A	Goldsboro	67.34	48	P	P	22 55 52.9 -0.6
BHPL	Bhopal	67.38	279	eP	P	22 55 53.0 -1.1
BHPL	comp=Z,17nm,0.8s			IAMB	IAMB	22 55 53.7
KMY	Kanyo	67.39	346	eP	P	22 55 55.3 +1.9
GEYT	Alibek	67.56	303	eP	P	22 55 54.0 -1.0
GEYT	comp=Z,11nm,0.9s,baz=284,slow=6.0,SNR=36			LR	LR	23 28 00.1
GYA0B	ALIBECK ARRAY	67.56	303	eP	P	22 55 55.0 0.0
K40A	Colesburg	67.69	49	P	P	22 55 55.6 -0.1
J41A	Logansville	67.69	48	P	P	22 55 57.0 0.0
L39A	Vinton	67.73	50	P	P	22 55 55.5 -0.4
SNART	Snardemo	67.91	345	eP	P	22 55 58.0 +1.2
JFW5	Jewell Farm	67.94	48	P	P	22 55 57.0 -0.2
NGP	Nagpur	67.94	276	eP	P	22 55 56.3 -1.2
F46A	Macinaw City C	68.11	43	P	P	22 55 58.6 +0.4
I43A	Lanzenfeld Bro	68.14	46	P	P	22 55 58.2 -0.2
J42A	Columbus	68.14	47	P	P	22 55 58.9 +0.4
L40A	Anamosa	68.14	49	P	P	22 55 58.7 +0.2
M39A	Webster	68.15	50	P	P	22 55 58.6 +0.1
K41A	Shullsburg	68.15	48	P	P	22 55 58.9 +0.3
MSTX	Muleshoe	68.38	62	eP	P	22 56 01.3 +1.0
MSTX	Muleshoe	68.38	62	P	P	22 56 00.3 +0.1
SUW	Suwalki	68.44	334	eP	P	22 55 59.8 -0.3
N39A	Derby Farms, D	68.45	51	eP	P	22 56 00.9 +0.5
N39A	Derby Farms, D	68.45	51	P	P	22 56 00.2 -0.2
K42A	Prairie Point	68.46	48	P	P	22 56 00.4 0.0

15d 22h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like T41A, AKH, LVV, N48A, etc.

2012 OCT

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

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like Q52A, KRUC, CFR, CFR, etc.

Table of station data for 2012 OCT, including columns for station name, frequency, power, and other technical details.

Table of station data for 2012 OCT, continuing from the previous table with station names like DAG, TAM, ES19, etc.

Table of station data for 16d 0h, including station names like VLI, MNVA, DYR, etc., and technical specifications.

ISCJB 15:23:56.46:8.0:7.42:12N:0.04:26:27E:0.06,110km, Error ellipse: s-maj=6.6km s-min=6.1km az=15.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists various stations and their associated data.

IDC 16:00:06:23.6:2.5.8:11S:120.02E, h179km, 25km, mb3.8/7, mb1 3.8/10, mb1mx3.5/44, mbtmp4.2/10, MS3.2/1, Ms1 3.2/1, ms1mx2.6/29, Error ellipse: s-maj=20.2km s-min=15.4km az=59.0

DJA 16:00:06:24.0:0.6.8:9S:9.12:0E, h167km, 5km, M3.7/4, M18MT Marama Adasi 1.81 147 PN, CTKS Kestanelik??a 1.88 117 PN, KRBG Karabiga-Canak 1.98 156 PN, GADA Gvageada 1.96 189 PN, BGKT Bogzakoy 2.09 116 PN, PSN Prelesenti 2.09 41 PN, KLYT Klyos 2.24 112 PN, ISK Istanbul-Kandi 2.33 116 PN, BAYC CANAKKALE_Bayr 2.39 175 P, BAYC 2.57 58.1 -1.6, BUYT Buyukada 2.48 120 PN, ARMT Armutlu 2.49 128 PN, CFR Carca 3.33 23/P, VRI Vriociaia 3.75 5/P

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists various stations and their associated data.

ISCJB 16:00:13:13.3:0.7, 31:80S:0.07:180.0E:0.2, h450km, mb3.1/2, Error ellipse: s-maj=19.9km s-min=7.0km az=18.4

IDC 16:00:13:16.0:7.6:32:15S:179.53E, h472km, 98km, mb2.7/2, mb1 3.2/3, mb1mx2.9/27, mbtmp3.9/3, Error ellipse: s-maj=15.5km s-min=4.0km az=8.0

WEL 16:00:13:18.0:0.9, 32:S:7.18:0W:1.1, h392km, 14km

ISC 16:00:13:12.8:1.0, 31:80S:0.09:179.9E:0.1, h450km, n29, e223/36, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists various stations and their associated data.

16d 2h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TKM2 Tokmak 2, GEYT Alibek, PYUN Piuthan, etc.

NIED 16 02:03:00.31'50N,140'60E,h88km,Mw4.9 Best double couple: M2=55000,1016 NP1=331,00000,828.00000,...

MOS 16 02:03:26.6:1.0,31'38N:140'16E,h93km,mb5.2/88,Error ellipse: s-maj=6.6km s-min=3.9km az=101.5

BUI 16 02:03:27.3:1.30N,140'30E,h93km,mb4.9/62,mB4.9/40 GCMT 16 02:03:27.8:0.2,31'24N,0'02:140'41E,0'02:h93km,2km,

MW5,0/96, Moment Tensor Solution, s55,c67; s96,c146; Duration: 0 Moment tensor: Scale 10^19Nm; Mir=2.09e-14;

ISCJTB 16 02:03:27.0:0.3,31'28N,0'02:140'26E,0'02:h93km,2km, mb5.2/439, Error ellipse: s-maj=3.1km s-min=2.4km

NEIC 16 02:03:28.0:4.0,31'28N:140'22E,h101km,3km, mb5.4/296, Error ellipse: s-maj=2.8km s-min=2.2km

NEIC Felt at Tokyo, Honshu. JMA 16 02:03:28.0:0.2,31'49N:140'61E,h87km,3km,M5.0

ISC 16 02:03:27.8:0.3,31'34N,0'03:140'33E,0'03,h97km,2km, h97km;p-P,n1280,r133/1399,mb5.3/454,54C-27D,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JAOM Aogashimamukai, HCHJC Hachiojimakas, etc.

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Main table with columns: MAJO, Matsuhiro, Time, Res. Includes stations like MAJO Matsuhiro, MAT Matsuhiro, etc.

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Table with columns: WHN, Wuhu, Time, Res. Includes stations like WHN Wuhu, HIA Haijar, etc.

16d 2h

Table with columns for station name, frequency, power, and other technical details. Includes stations like NIL, RIDG, MBWA, BMRM, RAGM, DOT, SCRK, CRQM, KNTN, TGL, BALM, EGAK, HYB, DAWY, PCA, POHA, DZM, DZM, DZM, KBL, KBL, EPYK, DHAK, INK, INK, ARU, ARU, PALK, SKAG, POO, AB31, AB31, ABKAR, BESE, JIS, AKTO, ARMA, FORT, STKA, STKA, STKA, STKA, WRAK, DLBC, BBOO, BBOO, DIB, AFI, AFI, AFI, LHI, PRGR, PRGR, GEYT, SPAO, KBS, KBS, CAN, CAN, HSPB, APA, APA, APA, KEV, KEV, ARAO, ARAO, ARCS, ARCS, ARES, RES, RES, RES, KEV, KEV, ARAO, ARAO, ARCS, ARCS, ARES, ARES, ARES, KTK1.

2012 OCT

Table with columns for station name, frequency, power, and other technical details. Includes stations like TRO, TULEG, PGC, LLLB, VRH, VRH, VRH, NLWA, MOS, MOS, MOS, DAG, DAG, DAG, A04D, D03D, AKT, AKT, AKT, E03A, B05A, D04E, LPSR, LPSR, LPSR, OBN, OBN, OBN, OBN, B06A, BANOH, F04D, E04D, D05A, G03D, VSR, VSR, VSR, VSR, UOSS, UOSS, U02D, LON, LON, LON, C06D, SOHO, HATD, STEI, ASHO, J01E, NAZ, GOF, I03D, LOF, H04D, LTY, ETW, FAQ, FIA0, FIA0, FIA0, FIA0, FIA0, FIA0, FIA0, FIA0, F05D, K02D, B08A, H04A, ASUD, NCK, KULLO, KULLO, ZEI, ZEI, L02E, I04A, G05D, KBZ, KBZ, KIV, KIV, KIV, KIV, H0M0, I05D, G06A, J04D.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like NEY, NEY, KHMM, F07A, HAWA, GNI, GNI, D08A, C09A, KONS, YBH, YBH, YBH, E08A, L04D, KMRM, M02C, PINE, K04D, J05D, NEW, NEW, NEW, NEW, VSU, VSU, VSU, VSU, N02D, KCPM, M04C, E09A, WDC, WDC, WDC, G08A, G02D, K05A, I07A, HOPS, O03E, H08N1, H08N2, H08N3, F10A, MOD, NSS, WALA, SUMG, SUMG, SUMG, ORV, ORV, ORV, BMO, BMO, ISAL, ISAL, WVOR, WVOR, WVOR, NACGM, BEKR, AFDM, URZ, PEAR, MISO, MISO, RUBR, SCO, SCO, SCO, PAHR, VCNR, SAO, SAO, SAO, PNTR, CMB, AKASG, AKASG.

16d 2h

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like W14A Wickenburg, PV23 Carpenter Ridg, and many others.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like OGNE Ogallala, SOKA Soboth, and many others.

732

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like G42A Mountain, G42A Mountain, and many others.

16d 3h

Table with columns: YOJ, YONAGUNI JIMA, 1.52, 5, eP, Pg, 02 12 16.6 +1.0, etc. Includes stations like WRA, ASAR, STKA, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, etc. Includes stations like FITZ, WRA, etc.

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Table with columns: WRA, ASAR, STKA, 19.92, 130, P, P, 02 19 49.9 -0.2, etc. Includes station names and coordinates.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, etc. Includes stations like GAZ, KMRS, KUZU, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, etc. Includes stations like SFK, MNAS, TKM2, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, etc. Includes stations like GAZ, KMRS, KUZU, etc.

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Table with columns: YURE, YUREGIR, 1.31, 248, iP, Pg, 02 38 36.1 +0.7, etc. Includes station names and coordinates.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, etc. Includes stations like GAZ, KMRS, KUZU, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, etc. Includes stations like GAZ, KMRS, KUZU, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, etc. Includes stations like PFVI, PMAFR, PTEO, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, etc. Includes stations like MORF, MESJ, ALMR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Barranco-do-Ve, Beja, Evora, Vaqueiros, Tomar, El Granado, Casimiro, Estremoz, Barrancos, Marv??o, Badajoz, Concepcio, Castelo Branco, Castelo Branco, Visue, Mantegaes, Mantegaes, Espera, Lamas de Olo, Cabril, Gavieira, Lobios, Moncorvo, Placencia, Braganca, Adamuz, Calabor, Agolada/Pontev, San Pablo, Sonseca Array, Torette.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Haha-jima-NKT, Chichi jima, Chichijima, Boso 1, Miekihoku, Odawara 2, Hiogo, Ryogami san, Ashikaga, Matsushiro Arr, Korea Array, Ussuriysk Arr, Warramunga Arr, Alice Springs, Combarbala, El Roble, El Roble, Peldehue, Tololo Observa, Cerro Calan, La Serena, Farellones, Uspallata, Leoncito, Las Meiosas, Rodeo, Salagasta, Cerro Coronel, Agrelo, Cerro Valdivia, Cuesta del Vie, Las Campanas, Huala?o, Cerro Villicun, Kaahu Road, Whakara, Wairara, Whakapapatarin, Galatos Road, Rangitukia, Galley Road, Handcock Road, Allen Road, Hinemaiaia, Hossack Road, Plateau Road, Rihia Road, Kakarama, Utuhina, Highlands Stat, Mataea Rd, Republican Roa, Karewarewa, Wengario, Mount Tarawera, Omania, Taurewa, Kaharoa, Ngauruhoe, Galley Road, Kaimai, Murupara, Tukino, Far West T-bar, Wangaehu Fm, Turao, Black Stump Fm, Hauiti, Edgecumbe, Mangataniwha, Pokaka, Moawhango, Manawatu, Teletop Road, Ruatanga, Mangateitei, Taunanga, Ohinepanea, Naumi, Black Hill Sta, Kaweka Forest, Arah, Urewera, Vera Road.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like McNeill Hill, Aroapanui, Kereru, Shannon Statio, Waihua, Matawai, Wanganui, Puketi, Lake Rotokare, Knappper, Kahuranaki, Kokohu, Rimuhau, Takapari Road, Raukumara Rang, Moumakai, Karaka, Waipukurau, Pukeiti, Kahui Hut, Cape Statio, Pawanui, Ohwaka, Mahia Peninsula, Tauhareparea, Kaiti, Danewick, Awahitu Peninsula, Kuaotunu, Porangahau, Post Office Ro, Carmagh Statio, Waitohke Island, Pakihoro, Pukeiti, Angora Road, Poru Road, Raitatanioka R, Walomatatini S, Birch Farm, Matakaoa Point, Tintock, Otaki Gorge, Warrunga Arr, Holdsworth Sta, Castlepoint, Kapii Island, Te Maipa, Morrison, D'Urville Isla, Paruwai Farm, Traveller, Moikau Station, Toiy Channel, Huihead, Palliser, Tuamarina, Nelson, Quartz Range, Cape Campbell, Blackbird Sta, Tophouse, Kahutara, Alice Springs, Warrunga Arr, ARCES Array B, FINES Array B, Keskin Array B, Fox Glacier, Fox Glacier, Jackson Bay, Lake Benmore, Lake Benmore, Gaunt Creek Bo, Wanaka, Rata Peaks, Rata Peaks, Miford Sound, Mavora Lakes, Mavora Lakes, Inverchonnzie, Oxford, Oxford, Tuapeka, Highchill Hill, Wether Hill Ro, Wether Hill Ro, Deep Cove, Deep Cove, McQueen's Vall, McQueen's Vall, Canterbury Las, Lake Taylor, Lake Taylor, Amberley, Akaroa Harbour, Okains Bay, Scrubby Hill, Denton North, Puysegur Point, Puysegur Point, The Paps, Kahutara, Kapiti, Tophouse, Tophouse.

ISCJB 16 03:18:03.7-0.9,2.377N-0.06-141.3E,0.2,h151km, mb3.3/3, Error ellipse: s-maj=21.3km s-min=7.7km az=12.4

ISC 16 03:28:12.0-0.6,31.84S:72.21W,h40km,4km,ML3.6 GUC CN3:28:12.0-0.6,31.84S:72.21W,h40km,4km,ML3.6 ISC 16 03:28:11.2-1.4,31.86S:0.03:72.15W-0.09,h5km,13km, n20,-f108/34,7C, Off coast of central Chile

ISCJB 16 03:55:30.3-0.5,44.02S:0.02:169.55E,0.03,h6km,3km, mb4.0/8,MS3.4/6, Error ellipse: s-maj=4.4km s-min=2.6km az=136.6

16d 4h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ORZ Quartz Range, NNZ Nelson, HIZ Hauriti, BKZ Black Stump Fm, URZ Urewera, etc.

ISC/JB 16 04:02:56.0, 0.6, 37.27N, 0.04, 37.10E, 0.04, h6km, 6km, Error ellipse: s-maj=7.7km s-min=4.4km az=35.9

ISC 16 04:02:55.7, 37.31N, 0.1, 37.11E, h5km, ML2.1/4 DDA 16 04:02:55.8, 37.29N, 0.37, h7km, ML2.9

ISC 16 04:02:56.0, 1.0, 37.30N, 0.03, 37.13E, 0.03, h10km, 8km, n15, c679/23, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GAZ Gaziantep, KMRs Kahramanmaraş, KUZU Kuzuni, etc.

UCR 16 04:11:58.1, 1.3, 12.19N, 87.49W, h40km, 57km, MD3.6, ML3.3, Near coast of Nicaragua

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CRIN San Cristobal, CNGN Cerro Negro, COPN Copalpete, etc.

SOME 16 04:12:29.3, 44.43N, 82.93E, h10km NNC 16 04:12:33.8, 4.9, 44.39N, 82.56E, h0km, mb2.6, mpv2.2

ISC 16 04:12:33.0, 3.3, 44.11N, 0.1, 83.5E, 0.2, h35km, n9, c201/14, 3C-2D, Northern Xinjiang

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KTMS Ketmen, DJR Jarkent, MK31 Makanchi Array, etc.

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DDA 16 04:15:21.7, 38.33N, 47.64E, h5km, ML4.4 ISN 16 04:15:24.1, 1.3, 38.67N, 46.87E, h0km, 50km, ML4.5

Code Station Name Az Phase ID Time Res ISC Includes stations like IHRs Heris, IHRs Heris, IHRs Heris, etc.

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

ISC 16 04:15:30.1, 1.0, 38.45N, 0.02, 46.91E, 0.01, h2km, 7km, n251, c1998/277, mb4.4, 22, 34C-2D, Iran-Armenia-Azerbaijan border region

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

ISC 16 04:15:30.1, 1.0, 38.45N, 0.02, 46.91E, 0.01, h2km, 7km, n251, c1998/277, mb4.4, 22, 34C-2D, Iran-Armenia-Azerbaijan border region

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

ISC 16 04:15:30.1, 1.0, 38.45N, 0.02, 46.91E, 0.01, h2km, 7km, n251, c1998/277, mb4.4, 22, 34C-2D, Iran-Armenia-Azerbaijan border region

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

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GDB GEDABAY 2.44 339 ePn Pn 04 16 12.3 +1.6 CLDR Caldiran 2.44 287 eP Pb 04 16 13.1 -1.7

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like GDB GEDABAY, CLDR Caldiran, CLDR Caldiran, etc.

ISC 16 04:15:30.1, 1.0, 38.45N, 0.02, 46.91E, 0.01, h2km, 7km, n251, c1998/277, mb4.4, 22, 34C-2D, Iran-Armenia-Azerbaijan border region

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

ISC 16 04:15:30.1, 1.0, 38.45N, 0.02, 46.91E, 0.01, h2km, 7km, n251, c1998/277, mb4.4, 22, 34C-2D, Iran-Armenia-Azerbaijan border region

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

ISC 16 04:15:30.1, 1.0, 38.45N, 0.02, 46.91E, 0.01, h2km, 7km, n251, c1998/277, mb4.4, 22, 34C-2D, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like QABG Abgarm-Qazvin, QABG Abgarm-Qazvin, QABG Abgarm-Qazvin, etc.

MTE	Manterga	5.44	51	ePn	Pn	05 18 12.4 +2.2
GIBL	Gibalbin	5.68	90	ePn	Pn	05 18 18.0 +4.5
GIBL	Gibalbin	5.68	90	ePn	Pn	05 19 22.5 +3.7
GIBL	Gibalbin	5.68	90	ePn	Pn	05 18 18.0 +4.5
GIBL	Gibalbin	5.68	90	ePn	Pn	05 19 22.5 +3.7
ESPR	Espera	5.77	90	ePn	Pn	05 18 17.8 +3.2
ESPR	Espera	5.77	90	ePn	Pn	05 19 19.5 -1.4
PVRL	Vila Real	5.90	43	ePn	Pn	05 18 18.3 +1.8
PVRL	Vila Real	5.90	43	ePn	Pn	05 19 19.9 -4.4
PVRL	Vila Real	5.90	43	ePn	Pn	05 18 18.3 +1.8
PVRL	Vila Real	5.90	43	ePn	Pn	05 19 19.9 -4.4
POLO	Lamas de Olo	5.93	42	ePn	Pn	05 18 19.3 +2.4
POLO	Lamas de Olo	5.93	42	ePn	Pn	05 19 20.0 -4.8
AVE	Averroes	5.96	127	ePn	Pn	05 18 14.8 -2.5
AVE	Averroes	5.96	127	ePn	Pn	05 19 20.0 -5.5
PCAB	Cabril	6.05	38	ePn	Pn	05 18 21.3 +2.7
PCAB	Cabril	6.05	38	ePn	Pn	05 19 23.4 -4.5
PCAB	Cabril	6.05	38	ePn	Pn	05 18 21.3 +2.7
PCAB	Cabril	6.05	38	ePn	Pn	05 19 23.4 -4.5
EJIF	Jimena Fronter	6.12	93	ePn	Pn	05 18 23.8 +4.3
EJIF	Jimena Fronter	6.12	93	ePn	Pn	05 19 29.6 0.0
LJJA	Lijar	6.13	89	ePn	Pn	05 18 22.0 +2.4
LJJA	Lijar	6.13	89	ePn	Pn	05 19 27.8 -2.1
LJJA	Lijar	6.13	89	ePn	Pn	05 18 22.0 +2.4
LJJA	Lijar	6.13	89	ePn	Pn	05 19 27.8 -2.1
PGAV	Gaveira, Arco	6.13	36	ePn	Pn	05 19 24.5 -5.4
PGAV	Gaveira, Arco	6.13	36	ePn	Pn	05 19 28.0
ECAB	El Cabril	6.15	78	ePn	Pn	05 18 22.6 +2.7
ECAB	El Cabril	6.15	78	ePn	Pn	05 19 26.9 -3.4
ELOB	Lobios	6.16	37	ePn	Pn	05 18 22.8 +2.8
ELOB	Lobios	6.16	37	ePn	Pn	05 19 26.5 -4.0
MVO	Moncorvo	6.22	47	ePn	Pn	05 18 22.9 +2.0
MVO	Moncorvo	6.22	47	ePn	Pn	05 19 26.7 -5.3
MVO	Moncorvo	6.22	47	ePn	Pn	05 18 22.9 +2.0
MVO	Moncorvo	6.22	47	ePn	Pn	05 19 26.7 -5.3
EPLA	Plasencia	6.23	59	ePn	Pn	05 18 23.8 +2.8
EPLA	Plasencia	6.23	59	ePn	Pn	05 19 27.7 -4.5
HORN	Hornachuelos	6.25	81	ePn	Pn	05 18 23.8 +2.6
HORN	Hornachuelos	6.25	81	ePn	Pn	05 18 24.0 +2.7
RSA	Sarsar	6.25	108	ePn	Pn	05 18 20.9 -3.2
RSA	Sarsar	6.25	108	ePn	Pn	05 18 20.9 -0.4
CEUT	Ceuta	6.34	98	ePn	Pn	05 18 23.3 +0.8
CEUT	Ceuta	6.34	98	ePn	Pn	05 19 28.5 -6.4
CEUT	Ceuta	6.34	98	ePn	Pn	05 18 23.3 +0.8
CEUT	Ceuta	6.34	98	ePn	Pn	05 19 28.5 -6.4
EMAZ	Mazaricos	6.66	27	ePn	Pn	05 18 29.2 +2.4
EMAZ	Mazaricos	6.66	27	ePn	Pn	05 19 35.4 -7.3
PBRG	Braganca	6.80	44	ePn	Pn	05 18 30.9 +2.1
PBRG	Braganca	6.80	44	ePn	Pn	05 19 40.7 -5.6
PBRG	Braganca	6.80	44	ePn	Pn	05 18 30.9 +2.1
PBRG	Braganca	6.80	44	ePn	Pn	05 19 40.7 -5.6
EADA	Adamuz	6.82	78	ePn	Pn	05 18 31.6 +2.5
EADA	Adamuz	6.82	78	ePn	Pn	05 19 42.5 -4.3
EAGO	Agodala/Ponte	6.88	32	ePn	Pn	05 18 31.7 +1.7
EAGO	Agodala/Ponte	6.88	32	ePn	Pn	05 19 41.3 -7.0
ECAL	Calabor	6.89	43	ePn	Pn	05 18 32.5 +2.3
ECAL	Calabor	6.89	43	ePn	Pn	05 19 44.8 -3.9
EGOR	Sierra Gorda	7.15	87	ePn	Pn	05 18 37.0 +3.3
EGOR	Sierra Gorda	7.15	87	ePn	Pn	05 19 54.4 -0.7
OUK	Oukaimeden	7.25	142	ePn	Pn	05 19 50.4 -7.5
OUK	Oukaimeden	7.25	142	ePn	Pn	05 18 34.0 -1.4
PAB	San Pablo	7.28	67	ePn	Pn	05 18 37.8 +2.3
PAB	San Pablo	7.28	67	ePn	Pn	05 19 53.0 -5.2
PAB	San Pablo	7.28	67	ePn	Pn	05 18 37.8 +2.3
PAB	San Pablo	7.28	67	ePn	Pn	05 19 53.0 -5.2
IFR	Ifrane	7.39	116	ePn	Pn	05 18 40.7 +3.6
IFR	Ifrane	7.39	116	ePn	Pn	05 19 55.8 -5.2
ELGU	Los Guajares	7.55	89	ePn	Pn	05 18 42.8 +3.6
ELGU	Los Guajares	7.55	89	ePn	Pn	05 20 04.1 -0.8
TTIG	Tigne Tigouga	7.55	148	ePn	Pn	05 18 37.6 -1.6
TTIG	Tigne Tigouga	7.55	148	ePn	Pn	05 19 54.1 -1.1
ESDC	Sonsec Array	7.60	67	ePn	Pn	05 18 41.6 +1.8
ESDC	Sonsec Array	7.60	67	ePn	Pn	05 20 00.3 -5.8
ESLA	Sonsec Array	7.66	67	ePn	Pn	05 18 42.0 +2.1
ES19	SONSECA Array	7.66	67	ePn	Pn	05 18 41.5 +0.9
EQUE	Quentar	7.68	86	ePn	Pn	05 18 44.2 +3.2
EQUE	Quentar	7.68	86	ePn	Pn	05 20 06.3 -1.8
CZD	Col de Zad	7.70	119	ePn	Pn	05 18 40.9 -0.6
CZD	Col de Zad	7.70	119	ePn	Pn	05 18 40.9 -0.6
EPON	Pontenova	7.71	34	ePn	Pn	05 18 43.1 +1.8
EPON	Pontenova	7.71	34	ePn	Pn	05 20 03.7 -5.1
QED	Quesada	7.98	82	ePn	Pn	05 18 47.3 +2.3
QED	Quesada	7.98	82	ePn	Pn	05 20 13.2 -2.2
GORA	Gorafe	8.00	84	ePn	Pn	05 18 47.4 +2.1
GORA	Gorafe	8.00	84	ePn	Pn	05 20 12.1 -3.7
MDT	Midelt	8.12	119	ePn	Pn	05 18 46.0 -1.1
MDT	Midelt	8.12	119	ePn	Pn	05 20 14.5 -4.6
EBER	Berja	8.14	118	ePn	Pn	05 18 49.7 +2.4
EBER	Berja	8.14	118	ePn	Pn	05 20 17.6 -1.9
UCM	Universidad Co	8.33	64	ePn	Pn	05 18 53.3 +3.8
UCM	Universidad Co	8.33	64	ePn	Pn	05 20 18.5 -5.4
SESP	Santiago Espad	8.41	80	ePn	Pn	05 18 52.9 +1.8
SESP	Santiago Espad	8.41	80	ePn	Pn	05 20 21.7 -4.4
SESP	Santiago Espad	8.41	80	ePn	Pn	05 18 53.0 +2.0
SESP	Santiago Espad	8.41	80	ePn	Pn	05 20 25.2 +2.2
SESP	Santiago Espad	8.41	80	ePn	Pn	05 20 25.5 -0.3
EARI	Ariendas	8.65	42	ePn	Pn	05 18 57.0 +2.9
EARI	Ariendas	8.65	42	ePn	Pn	05 20 27.2 -4.5
ENIJ	Nijar	8.68	87	ePn	Pn	05 18 59.1 +4.5
ETOB	Tobarra	9.24	77	ePn	Pn	05 19 01.7 -0.6
ETOR	Torete	9.35	63	ePn	Pn	05 19 06.2 +2.3
ETOR	Torete	9.35	63	ePn	Pn	05 20 42.0 -7.2
ELAN	Lanestosa	9.60	47	ePn	Pn	05 19 10.3 +3.1
ELAN	Lanestosa	9.60	47	ePn	Pn	05 19 10.3 +3.1

ELAN	ELAN	13nm,0.6s,SNR=7.9	S	Sn	05 20 49.0 -6.1
ECHE	Chera	9.83 71 P	P	Pn	05 19 13.4 +3.1
ECHE	Chera	9.83 71 P	P	Pn	05 20 53.6 -7.1
EBENZ	Beniarada presa	10.30 77 P	P	Pn	05 19 18.9 +2.1
EMOS	Mosqueruela	10.37 68 P	P	Pn	05 19 20.1 +2.2
EMOS	Mosqueruela	10.37 68 P	P	Pn	05 21 07.2 -7.0
EARA	Aranguren	10.49 54 P	P	Pn	05 19 22.1 +2.7
EORO	Oroz-Betelu	10.72 54 P	P	Pn	05 19 26.1 +3.5
EORO	Oroz-Betelu	10.72 54 P	P	Pn	05 21 17.0 -5.7
EIJO	Elcoid	10.75 54 P	P	Pn	05 19 25.9 +2.9
EIJO	Elcoid	10.75 54 P	P	Pn	05 21 15.5 -7.8
EALK	Alkurrunztz	10.78 52 P	P	Pn	05 19 26.1 +2.9
EALK	Alkurrunztz	10.78 52 P	P	Pn	05 21 17.0 -6.2
ESAC	San Caprasio	10.79 61 P	P	Pn	05 19 26.7 +3.2
ESAC	San Caprasio	10.79 61 P	P	Pn	05 21 19.2 -5.1
SJPF	Ste Jean	10.88 53 ePn	ePn	Pn	05 19 27.7 +2.9
SJPF	Ste Jean	10.88 53 ePn	ePn	Pn	05 21 20.8 -5.8
SJPF	Ste Jean	10.88 53 ePn	ePn	Pn	05 19 27.7 +2.9
SJPF	Ste Jean	10.88 53 ePn	ePn	Pn	05 21 20.8 -5.8
ERTA	Horta de San J	11.12 65 P	P	Pn	05 19 30.9 +3.0
ERTA	Horta de San J	11.12 65 P	P	Pn	05 21 24.5 -7.9
ATE	Arette	11.21 54 P	P	Pn	05 19 32.4 +3.2
ATE	Arette	11.21 54 P	P	Pn	05 21 25.6 -8.9
ETSF	Etsaut	11.21 55 ePn	ePn	Pn	05 19 32.3 +3.0
ETSF	Etsaut	11.21 55 ePn	ePn	Pn	05 21 28.0 -6.7
ETSF	Etsaut	11.21 55 ePn	ePn	Pn	05 19 32.3 +3.0
ETSF	Etsaut	11.21 55 ePn	ePn	Pn	05 21 28.0 -6.7
ECHI	Chisagues Biel	11.61 57 P	P	Pn	05 19 37.9 +3.1
ECHI	Chisagues Biel	11.61 57 P	P	Pn	05 21 37.5 -7.1
EPOB	Poblet	11.77 64 P	P	Pn	05 19 39.3 +2.3
EPOB	Poblet	11.77 64 P	P	Pn	05 21 41.4 +3.2
EPF	Esparrros	11.86 56 ePn	ePn	Pn	05 19 44.2 -6.4
EPF	Esparrros	11.86 56 ePn	ePn	Pn	05 19 41.4 +3.2
EPF	Esparrros	11.86 56 ePn	ePn	Pn	05 21 44.2 -6.4
EPF	Esparrros	11.86 56 ePn	ePn	Pn	05 19 41.4 +3.2
CSOR	Sort	12.14 60 P	P	Pn	05 19 44.2 +2.1
CSOR	Sort	12.14 60 P	P	Pn	05 19 54.2 +3.7
CLLI	Llivia	12.76 60 P	P	Pn	05 19 54.3 +2.4
CLLI	Llivia	12.76 60 P	P	Pn	05 19 54.3 +2.4
CFON	Fontmartina	12.86 64 P	P	Pn	05 19 56.0 +1.8
CFON	Fontmartina	12.86 64 P	P	Pn	05 19 56.0 +1.8
LF	La Frestale	13.04 49 ePn	ePn	Pn	05 19 56.9 +2.5
LF	La Frestale	13.04 49 ePn	ePn	Pn	05 22 09.6 -1.0
LF	La Frestale	13.04 49 ePn	ePn	Pn	05 19 56.9 +2.5
LF	La Frestale	13.04 49 ePn	ePn	Pn	05 22 09.6 -1.0
QUIF	Quintin	13.05 31 ePn	ePn	Pn	05 19 58.9 +1.9
QUIF	Quintin	13.05 31 ePn	ePn	Pn	05 19 58.9 +1.9
QUIF	Quintin	13.05 31 ePn	ePn	Pn	05 20 04.0 +2.0
QUIF	Quintin	13.05 31 ePn	ePn	Pn	05 20 04.0 +2.0
ROSF	Rostrenen	13.35 29 ePn	ePn	Pn	05 20 03.3 +2.5
ROSF	Rostrenen	13.35 29 ePn	ePn	Pn	05 20 03.3 +2.5
ROSF	Rostrenen	13.35 29 ePn	ePn	Pn	05 20 03.3 +2.5
ROSF	Rostrenen	13.35 29 ePn	ePn	Pn	05 20 03.3 +2.5
MGF	Saint Martin d	13.53 41 ePn	ePn	Pn	05 20 03.1 +1.6
MGF	Saint Martin d	13.53 41 ePn	ePn	Pn	05 20 05.2 +2.0
MGF	Saint Martin d	13.53 41 ePn	ePn	Pn	05 22 27.1 -8.4
MGF	Saint Martin d	13.53 41 ePn	ePn	Pn	05 20 05.2 +2.0
SGMF	Saint Gilles	13.57 31 ePn	ePn	Pn	05 22 27.1 -8.4
SGMF	Saint Gilles	13.57 31 ePn	ePn	Pn	05 20 25.2 +2.0
SGMF	Saint Gilles	13.57 31 ePn	ePn	Pn	05 22 27.1 -8.4
SGMF	Saint Gilles	13.57 31 ePn	ePn	Pn	05 20 25.2 +2.0
RJF	Les Rejaudoux	13.70 49 ePn	ePn	Pn	05 20 25.2 +2.0
RJF	Les Rejaudoux	13.70 49 ePn	ePn	Pn	05 22 27.1 -8.4
RJF	Les Rejaudoux	13.70 49 ePn	ePn	Pn	05 20 25.2 +2.0
RJF	Les Rejaudoux	13.70 49 ePn	ePn	Pn	05 22 27.1 -8.4
CAF	Calviac	13.84 51 ePn	ePn	Pn	05 20 06.5 +1.3
CAF	Calviac	13.84 51 ePn	ePn	Pn	05 20 06.5 +1.3
CAF	Calviac	13.84 51 ePn	ePn	Pn	05 20 06.5 +1.3
CAF	Calviac	13.84 51 ePn	ePn	Pn	05 20 06.5 +1.3
GRR	Gorron	14.41 34 ePn	ePn	Pn	05 20 14.4 +1.4
GRR	Gorron	14.41 34 ePn	ePn	Pn	05 20 16.6 +0.7
GRR	Gorron	14.41 34 ePn	ePn	Pn	05 20 16.6 +0.7
GRR	Gorron	14.41 34 ePn	ePn	Pn	05 20 16.6 +0.7
LASF	Steu Croix	14.62 56 ePn	ePn	Pn	05 20 17.9 +1.8
LASF	Steu Croix	14.62 56 ePn	ePn	Pn	05 20 17.9 +1.8
LASF	Steu Croix	14.62 56 ePn	ePn	Pn	05 20 17.9 +1.8
LASF	Steu Croix	14.62 56 ePn	ePn	Pn	05 20 17.9 +1.8
TOF	Toulu Ste Croi	14.64 46 ePn	ePn	Pn	05 20 15.4 -1.0
TOF	T				

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Vila Bisbo, Sao Teotônio, Marlete, etc.

IDC 16 07:33:58.6:1.1, 8.67S:75.62W, h0km, mb3.6/4, mb1 3.8/6, mb1 mx3.7/24, mbtmp3.5/6, ML3.1/2, MS2.6/1, M1 2.6/1, ms1mx2.2/20, Error ellipse: s-maj=34.8km s-min=22.7km

ISCJB 16 07:34:02.0:0.7, 8.67S:07.75W:0.1, h33km, mb3.6/4, Error ellipse: s-maj=16.2km s-min=9.4km az=14.3

ISC 16 07:34:03.8:0.8, 6.99S:09.75W:0.1, h35km, n8, 01502/9, mb3.6/4, Central Peru

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Nana, NNA, LPAZ, PTGA, TXAR, PDAR, NVAR, TORD, WRA, etc.

IGIL 16 07:36:11.5:37.20N:12.66W, h1km, ML2.0 MDD 16 07:36:11.9:2.1, 37.23N:12.61W, h0km, mb3.9/4, Error ellipse: s-maj=18.7km s-min=18.3km az=44.0, PRXIMO INMG 16 07:36:13.2:1.1, 37.11N:13.05W, h10km, ML2.2, Error ellipse: s-maj=8.1km s-min=6.0km az=69.0

ISC 16 07:36:12.0:3.9, 37.32N:0.10, 12.6W:0.2, h10km, n37, 01518/66, Azores-Cape St. Vincent Ridge

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

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

PGC 16 07:45:58.8:0.4, 49.03N:128.49W, h10km, MLsn2.9/24, Mw3.5/24, 187km Wsw of Gold R., Bc Vancouver Island, Canada Region, Vancouver Island region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like NEPTUNE Canada, Brooks Peninsula, etc.

IDC 16 07:54:37.0:1.7, 19.28S:167.72E, h0km, mb3.8/3, mb1 4.1/4, mb1mx3.7/24, mbtmp3.8/4, ML3.8/1, MS3.3/5, Ms1 3.2/5, ms1mx2.9/31, Error ellipse: s-maj=55.5km s-min=30.4km az=145.0, Vanuatu Islands region

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

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

SJA 16 08:20:25.5:0.8, 31.80S:72.41W, h30km, ML3.6, MW3.9 GUC 16 08:20:26.8:0.6, 31.83S:71.93W, h20km, ML3.5 ISC 16 08:20:23.8:0.2, 31.85S:0.03:72.3W:0.1, h26km, 19km, n17, 01523/27, 6C, Off coast of central Chile

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

IDC 16 08:28:04.9:1.9, 17.26S:167.32E, h0km, mb3.8/4, mb1 4.0/5, mb1mx3.7/38, mbtmp3.8/5, ML3.5/1, Error ellipse: s-maj=52.8km s-min=30.6km az=128.0, Vanuatu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Mont Dzumac, Stephens Creek, etc.

MOS 16 08:40:39.3:2.5, 51.50N:95.92E, h11km, mb3.7/1, 2D, Error ellipse: s-maj=15.9km s-min=12.8km az=28.6, Southwestern Siberia

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

NIED 16 08:48:00.35:20N:138.00E, h20km, Mw3.2 Best double couple: Mb8.03000:1013 NP1.0e:250.00000:881.00000, 1.75.00000. NP2.0e:341.00000:885.00000:1.9.00000. JMA 16 08:48:58.9:35.15N:137.98E, h15km, mb3.5, 3C-2D Broadband fault plane solution: P waves, NP1: 0.63.00000, 0.866.00000, 1.147.00000. NP2:

16d 11h

Table of station data for 16d 11h, including call signs like ECAB, PGAV, ELOB, RSA, etc., and their associated frequencies and parameters.

2012 OCT

Table of station data for 2012 OCT, including call signs like SJPF, ERTA, ATE, etc., and their associated frequencies and parameters.

746

Table of station data for 746, including call signs like MTE, POLO, PGAV, etc., and their associated frequencies and parameters.

ISKB 16 11:18:31.8, 37.37N, 37.15E, h7km, ML2.0/3
ISCBJ 16 11:18:32.0, 37.30N, 37.04E, h5km, 8km,
Error ellipse: s-maj=7.8km s-min=4.1km az=38.3
DDA 16 11:18:32.8, 37.32N, 37.08E, h7km, ML2.5
ISC 16 11:18:32.5, 37.33N, 0.03E, h9km, 8km,
n11, 0.53/20, Turkey

ISCBJ 16 11:19:56.9, 0.6, 31.73N, 0.05, 139.5E, 0.1, h250km,
mb3.4/8, Error ellipse: s-maj=14.0km s-min=7.2km az=2.8
IDC 16 11:19:56.6, 1.4, 31.49N, 139.03E, h224km, 27km, mb3.3/8,
mb1.35/10, mb1mx3.3/2, mbtmp4.0/10, Error ellipse:
s-maj=7.1km s-min=12.3km az=70.0
JMA 16 11:19:58.4, 0.4, 31.78N, 139.40E, h244km, M3.8
ISC 16 11:19:57.0, 0.6, 31.76N, 139.5E, 0.1, h250km, n26,
s=1853/31, mb3.3/8, Southeast of Honshu

UCR 16 11:21:14.6, 1.8, 10.42N, 83.07W, h29km, 8km, MD3.5
Costa Rica
Code Station Name Az AZZ Phase ID Time Res
ISC h m s ISC

ISCBJ 16 11:24:55.4, 0.4, 2.6:87N, 0.06:125.90E, 0.06,
h172km, 6km, mb3.5/6, Error ellipse: s-maj=13.2km
s-min=3.7km az=139.2
JMA 16 11:24:56.1, 0.3, 26.96N, 125.78E, h164km, M3.7
IDC 16 11:24:56.3, 2.1, 26.88N, 125.76E, h167km, 21km, mb3.2/6,
mb1.35/10, mb1mx2.3/7, mbtmp3.7/10, MS2.9/2,
Ms1.2/9.2, ms1mx2.4/27, Error ellipse: s-maj=27.9km
s-min=14.2km az=76.0

M₀:0.26±.30; Best double couple: M₀:3.32900±.1016
 NP1:0.20000±.647.00000±.195.00000±. NP2:
 0±174.00000±.643.00000±.185.00000±. Principal axes: T
 3.3130, Plg86.0000±, Azm327.0000±; N 0.0270,
 Plg4.0000±, Azm178.0000±; P -3.3440, Plg2.0000±,
 Azm88.0000±; nsta1 refers to body waves, cutoff=40s.
 nsta2 refers to surface waves, cutoff=50s. Triangular
 moment-rate function
 ISC/JB 16 12:31:03.6±.1.0.32.88N±.0.02±.141.39E±.0.02, h33km,6km,
 mb4.8/219,MS4.0/2. Error ellipse: s-maj=4.0km
 s-min=3.2km az=177.8
 MOS 16 12:31:03.7±.1.0.32.88N±.141.40E, h37km, mb5.2/70, Error
 ellipse: s-maj=7.8km s-min=4.7km az=117.4
 NEIC 16 12:31:06.5±.0.6.32.91N±.141.38E, h45km,5km, mb4.9/148,
 Error ellipse: s-maj=4.1km s-min=3.3km az=142.0
 ISC 16 12:31:05.8±.0.4.32.92N±.0.04±.141.56E±.0.04, h38km,1km,
 n593,±133/606,mb4.9/219,17C-12D,Southeast of
 Honshu

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
JHU2	Mitsune	1.48 278	Op	Pn	12 31 29.0	-0.9
JHU2	Mitsune	1.48 278	P	Pn	12 31 28.9	-1.0
JHCJ	Hachiojimakas	1.49 276	P	Pn	12 31 28.8	-1.3
JHJ	Hachioji jima 2	1.51 278	Pn	Pn	12 31 27.6	-2.7
JHJ	508nm,0.3s,baz=90,slow=5.3,SNR=73		Sn	Sn	12 31 47.8	-0.9
JAOM	Agoshimamukai	1.58 254	P	Pn	12 31 30.9	-0.4
BSO1	Boso 1	1.80 344	P	Pn	12 31 31.8	-2.0
JMKM	Mikurajimanish	1.92 301	P	Pn	12 31 34.0	-1.9
BSO3	Boso 3	2.07 395	P	Pn	12 31 35.8	-2.0
JIM2	Oshima 3	2.52 316	P	Pn	12 31 41.7	-2.6
JIZS	Izushima	2.87 310	P	Pn	12 31 47.5	-1.5
JOD2	Odawara 2	3.11 319	P	Pn	12 31 50.5	-1.9
TK02	Tokai 2	3.34 289	P	Pn	12 31 55.4	+0.1
TK04	Tokai 4	3.41 296	P	Pn	12 31 56.2	-0.1
SHZ3	Shizuoka 3	3.51 309	P	Pn	12 31 57.7	-0.2
JYN	Shimob	3.59 317	P	Pn	12 31 58.1	-0.9
JRY	Aoyagami san	3.79 325	P	Pn	12 32 00.1	-1.6
JAG	Ryukigaki	3.91 334	P	Pn	12 32 01.2	-2.1
JAG			eS	Sn	12 32 46.5	-1.4
INU	Inuyama	4.48 304	ePn	Sn	12 32 12.4	+1.3
INU			eSn	Sn	12 32 59.0	-3.0
MJAR	Matsushiro Arr	4.55 324	Pn	Pn	12 32 10.6	-1.6
MJAR	7.4nm,0.3s,baz=150,slow=10,SNR=172		Sn	Sn	12 33 03.4	-0.3
MAJO	Matsushiro	4.55 324	eP	Sn	12 32 11.4	-0.8
MAJO			eSn	Sn	12 32 60.0	-3.8
MAJO	Matsushiro	4.55 324	eP	Sn	12 32 11.4	-0.8
MAJO			e	Sn	12 33 00.0	
MAT	Matsushiro	4.55 324	P	Pn	12 32 11.3	-0.8
MAT			S	Sn	12 33 04.9	+0.5
MJB9	Matsu-Tunnel	4.55 324	ePn	Pn	12 32 11.5	-0.7
MJB9			eSn	Pn	12 33 00.1	-3.8
CBJ1	Chichi jima	5.83 175	Pn	Pn	12 32 25.5	-4.2
CBJ1			Pn	Pn	12 32 25.5	-4.2
JCJ	Chichijima	5.83 175	Pn	Pn	12 32 25.5	-4.2
JCJ	69nm,0.3s,baz=279,slow=19,SNR=2.1		Sn	Sn	12 33 28.8	-6.4
JNU	Nakatsue	8.97 274	Pn	Pn	12 33 14.1	+1.2
JNU	0.4nm,0.3s,baz=80,slow=8.0,SNR=8.7		LR	LR	12 36 59.2	
JNU	comp=Z,1µm,18.4s,baz=106,slow=40		Pn	Pn	12 33 12.9	0.0
ASAJ	Asahikawa	11.21 4	Pn	Pn	12 33 38.6	-4.8
ASAJ	1.5nm,0.3s,baz=215,slow=14,SNR=11		Sn	Sn	12 35 37.7	-1.0
ASAJ	1.0nm,0.3s,baz=105,slow=20,SNR=3.1		Pn	Pn	12 33 40.4	-3.0
YUK	Yuzh-Kuril'sk	11.60 16	eP	Pn	12 33 44.2	-4.5
YUK	comp=Z,40nm,0.5s		pmx	pmx		
YUK	comp=E,11nm,0.4s		pmx	pmx		
YUK	comp=N,90nm,0.8s		pmx	pmx		
YUK	comp=Z,578nm,17.0s		MLR	MLR		
YUK	comp=E,30nm,18.0s		MLR	MLR		
YUK	comp=N,616nm,15.0s		MLR	MLR		
SHO	Shikotan	11.69 19	eP	Pn	12 33 45.1	-4.8
SHO	comp=Z,14nm,0.7s		pmx	pmx		
SHO	comp=E,11nm,0.5s		pmx	pmx		
SHO	comp=N,18nm,0.8s		MLR	MLR		
SHO	comp=N,509nm,12.0s		MLR	MLR		
SHO	comp=Z,574nm,12.0s		MLR	MLR		
SHO	comp=E,1µm,14.0s		MLR	MLR		
KRSR	Korea Array	12.04 296	Pn	Pn	12 33 58.4	+3.6
KRSR	comp=E,0.4nm,0.3s,baz=111,slow=13,SNR=9.5		LR	LR	12 38 45.4	
KRSR	comp=E,1µm,18.2s,baz=102,slow=39		LR	LR	12 38 45.4	
KS15	Wonju Array Si	12.06 296	ePn	Pn	12 33 56.5	+1.4
KSAR	Wonju Array Be	12.06 296	Pn	Pn	12 33 58.4	+3.3
KSAR	Wonju Array Be	12.06 296	Pn	Pn	12 33 58.4	+3.3
KS01	Wonju Array Si	12.07 296	ePn	Pn	12 33 53.2	-2.0
TJN	Taejon	12.19 290	P	Pn	12 33 56.7	+0.1
JOW	Kunigami	13.02 246	LR	LR	12 39 04.2	
JOW	comp=Z,985nm,19.0s,baz=342,slow=37		Pn	Pn	12 34 13.9	-1.0
USA0B	Ussuriysk Arra	13.52 329	ePn	Pn	12 34 11.7	-3.2
USRK	Ussuriysk Ar	13.52 329	Pn	Pn	12 34 11.7	-3.2
YSS	Yuzh-Sakhalins	14.05 3	eP	Pn	12 34 18.1	-4.0
YSS	comp=Z,20nm,1.0s		MLR	MLR		
YSS	comp=Z,600nm,19.0s		MLR	MLR		
YSS	comp=N,300nm,18.0s		MLR	MLR		
MDJ	Mudanjiang	14.93 325	P	Pn	12 34 31.8	-2.3
MDJ			S	Sn	12 37 19.8	+1.5
MDJ	comp=N,13nm,1.2s		pmx	pmx		
MDJ	comp=N,400nm,4.6s		LR	LR		
MDJ	comp=N,900nm,14.4s		LR	LR		
MDJ	comp=N,1µm,14.8s		LR	LR		
MDJ	comp=N,2µm,14.9s		LR	LR		
SARN	Sarigan	16.59 166	ePn	P	12 34 56.9	-0.9
SARN	comp=N,262nm,1.9s		Pn	Pn	12 34 54.1	-1.9
CN2	Changchun	16.64 315	eP	Pn	12 34 54.1	-1.9
CN2	comp=N,10.0nm,0.6s		pmx	pmx		
SNY	Shenyang	16.81 307	IP	P	12 35 08.3	+8.3
SNY			S	Sn	12 38 28.3	+1.5
SNY	comp=Z,32nm,2.4s		pmx	pmx		
SNY	comp=Z,420nm,4.5s		LR	LR		
SNY	comp=N,1µm,13.5s		LR	LR		
SNY	comp=E,630nm,16.3s		LR	LR		
SNY	comp=Z,2µm,16.7s		LR	LR		
Kul dur	Kul dur	17.87 339	P	Pn	12 35 06.3	-5.0
GRNR	Gornyy	18.24 350	eP	P	12 35 11.0	-4.7
GRNR	comp=Z,16nm,1.0s		pmx	pmx		
YOJ	Yonaguni jima	18.31 247	eP	P	12 35 15.7	-1.0
YOJ	comp=Z,244nm,1.1s		P	P	12 35 15.7	-1.0
YOJ	Yonaguni jima	18.31 247	eP	P	12 35 15.7	-1.0
YOJ	comp=Z,244nm,1.1s		pmx	pmx		
NJ2	Nanjing	19.18 274	eP	Pn	12 35 26.0	-0.2
NJ2	comp=Z,18nm,1.0s		LR	LR	12 41 29.4	
GUMO	Guam	19.48 170	LR	LR	12 35 30.8	-0.2
GUMO	comp=Z,316nm,20.4s,baz=342,slow=32		LR	LR	12 35 30.8	-0.2

GUMO	Guam	19.48 170	eP	Pn	12 35 30.8	-0.2
GUMO	comp=Z,464nm,1.3s		pmx	pmx		
YHNB	Yeheng	19.48 250	eP	P	12 35 28.3	-1.4
YULB	Yu-li	20.20 247	eP	P	12 35 36.3	-1.2
SSLB	Suanglung	20.26 249	eP	P	12 35 36.8	-1.4
TIA	Tai'an	20.38 286	P	P	12 35 38.3	-1.0
TIA	comp=Z,13nm,0.6s		LR	LR		
TIA	comp=Z,730nm,13.5s		LR	LR		
TIA	comp=Z,1µm,22.1s		LR	LR		
TIA	comp=Z,2µm,18.5s		LR	LR		
TPUB	Ta-pu	20.77 248	eP	P	12 35 43.0	-0.6
BJT	Beijing	21.57 296	P	P	12 35 50.6	-1.5
BJT	Baijiatuu	21.57 296	eP	P	12 35 51.2	-0.9
BJT	comp=Z,26nm,1.3s		pmx	pmx		
BJT	Baijiatuu	21.57 296	eP	P	12 35 51.2	-0.9
BJT	comp=Z,36nm,1.3s		pmx	pmx		
HIA	Hailar	23.05 322	eP	P	12 36 05.4	-2.3
HIA	Hailar	23.05 322	eP	P	12 36 05.0	-2.7
HIA	comp=Z,40nm,1.0s		pmx	pmx		
ZEA	Zeya	23.18 338	eP	P	12 36 07.8	-1.2
ZEA	comp=Z,800nm,2.0s		pmx	pmx		
ZEA	comp=E,110nm,0.8s		pmx	pmx		
ZEA	comp=N,340nm,1.0s		pmx	pmx		
ZEA	comp=Z,2µm,20.6s		pmx	pmx		
WHN	Wuhan	23.24 272	IP	P	12 36 07.6	-2.2
WHN			pP	pP	12 36 20.0	+0.2
WHN			LR	LR		
PETK	Petropavlovsk-	23.27 25	P	P	12 36 11.1	+1.2
PETK	comp=Z,4.1nm,0.8s,baz=218,slow=9.1,SNR=3.7		P	P	12 36 11.1	+1.1
PEAT	Petropavlovsk-	23.25 25	eP	P	12 36 11.1	+1.1
PET	Petropavlovsk	23.56 26	IP	P	12 36 13.5	+0.9
HHC	Hu-ho-hao-te	25.18 297	eP	P	12 36 27.3	-0.5
HHC			S	S	12 40 45.4	-5.1
HHC			sS	sS	12 41 08.0	+0.1
HHC	comp=Z,56nm,1.4s		pmx	pmx		
HHC	comp=Z,260nm,6.0s		LR	LR		
HHC	comp=Z,2µm,18.8s		LR	LR		
HHC	comp=Z,2µm,20.6s		LR	LR		
HHC	comp=Z,2µm,19.0s		LR	LR		
H11N2	WAKE ISLAND Hy	26.15 114	T	T	13 04 03.6	
H11N1	WAKE ISLAND Hy	26.16 114	T	T	13 04 01.6	
H11N3	WAKE ISLAND Hy	26.17 114	T	T	13 04 15.1	
WAKE	Wake Island	26.22 115	eP	P	12 36 38.0	+0.7
WAKE	comp=Z,653nm,2.0s		pmx	pmx		
BTO	Baotou	26.31 295	eP	P	12 36 37.8	-0.2
TYG	Tagay City	26.53 230	LR	LR	12 47 02.1	
XAN	Xi'an	27.19 281	P	P	12 36 43.8	-2.2
XAN	comp=Z,315nm,18.9s,baz=56,slow=36		pP	pP	12 36 55.3	-1.2
XAN			pmx	pmx		
XAN	comp=Z,17nm,1.5s		pmx	pmx		
XAN	comp=Z,150nm,7.4s		LR	LR		
XAN	comp=Z,800nm,15.8s		LR	LR		
XAN	comp=Z,690nm,13.7s		LR	LR		
XAN	comp=Z,780nm,11.9s		LR	LR		
MA2	Maagan	27.36 10	P	P	12 36 46.5	-0.6
ENH	Enshi	27.39 273	eP	P	12 36 45.7	-2.1
ENH	comp=Z,31nm,1.0s		P	P	12 36 53.9	+2.1
CIT	Chita	27.86 322	eP	P	12 37 07.1	
CIT			pmx	pmx		
DAV	Davao City (W)	29.70 213	LR	LR	12 48 00.4	
ULN	Ulaanbaatar	29.94 310	eP	P	12 37 10.8	+0.4
ULN	comp=Z,37nm,1.1s		P	P	12 37 11.0	+0.6
ULN	Ulaanbaatar	29.94 310	P	P	12 37 11.0	+0.6
ULN	SNR=12		P	P	12 37 11.0	+0.6
ULN	Ulaanbaatar	29.94 310	eP	P	12 37 09.4	-1.0
ULN	comp=Z,33nm,1.0s		pmx	pmx		
SONA1	Songino Array	30.35 310	eP	P	12 37 12.9	-1.1
SONA0	Songino Array	30.35 310	eP	P	12 37 14.0	0.0
SONM	Songino Array	30.35 310	eP	P	12 37 14.0	0.0
SEY	Seychan	30.81 10	P	P	12 37 16.6	-1.1
SEY	comp=Z,3.0nm,0.8s,baz=178,slow=5.0,SNR=7.4		P	P	12 37 17.8	-1.2
GUYA	Guyang	30.90 267	eP	Pn	12 37 17.8	-1.2
LZH	Lanzhou	31.12 286	eP	P	12 37 22.0	+1.0
LZH			eS	S	12 42 24.4	+0.2
LZH			sS	sS	12 42 42.3	+0.5
LZH			SS	SS	12 44 07.3	-0.2
LZH	comp=Z,78nm,1.1s		pmx	pmx		
LZH	comp=Z,290nm,4.6s		LR	LR		
LZH	comp=Z,2µm,15.5s		LR	LR		
LZH	comp=Z,2µm,16.0s		LR	LR		
LZH	comp=Z,2µm,17.6s					

KOK	Koryaka	3.96	19	eP	Pn	12 42 24.2 +1.0
KOK	Koryaka	3.96	19	PN	Pn	12 42 24.2 +1.0
SMAR	Somma	3.97	20	eP	Pn	12 42 23.7 +0.2
SMAR	Somma	3.97	20	PN	Pn	12 42 23.7 +0.2
KRER	Koryakskaa	4.00	20	eP	Pn	12 42 24.3 +0.5
KRER	Koryakskaa	4.00	20	PN	Pn	12 42 24.3 +0.5
SDLR	Sedlovina	4.00	21	eP	Pn	12 42 23.5 -0.3
SDLR	Sedlovina	4.00	21	PN	Pn	12 42 23.5 -0.3
KRX	Arik	4.03	18	eP	Pn	12 42 24.9 +0.7
KRX	Arik	4.03	18	PN	Pn	12 42 24.9 +0.7
SPN	Mys Shipunski	4.16	30	eP	Pn	12 42 24.6 -1.3
SPN	Mys Shipunski	4.16	30	eS	Sn	12 43 10.1 -3.2
SPN	Mys Shipunski	4.16	30	PN	S	12 42 24.6 -1.3
SPN	Mys Shipunski	4.16	30	S	Pn	12 43 10.1 -3.2
GNL	Ganaly	4.23	12	eP	Pn	12 42 27.8 +0.9
GNL	Ganaly	4.23	12	PN	Pn	12 42 27.8 +0.9
KIL	Karymskiy	4.83	21	eP	Pn	12 42 36.0 +0.9
KIL	Karymskiy	4.83	21	PN	Pn	12 42 36.0 +0.9
MKZ	Mys Kozlova	5.94	31	eP	Pn	12 42 47.9 -2.2
MKZ	Mys Kozlova	5.94	31	PN	Pn	12 42 47.9 -2.2
KZV	Kizimen	6.02	21	eP	Pn	12 42 51.4 +0.1
KZV	Kizimen	6.02	21	PN	S	12 43 58.6 -0.2
TUMD	Tumrok D	6.12	21	eP	Pn	12 42 52.4 -0.3
TUMD	Tumrok	6.14	20	eP	Pn	12 43 58.6 -0.2
TUMR	Tumrok	6.14	20	PN	Pn	12 42 51.4 +0.1
TUMR	Tumrok	6.14	20	S	Sn	12 43 58.6 -0.2
ESO	Esso	6.51	11	eP	Pn	12 42 58.8 +0.9
ESO	Esso	6.51	11	PN	Pn	12 42 58.8 +0.9
KMN	Kamenistaya	6.60	19	eP	Pn	12 42 59.6 +0.4
KMN	Kamenistaya	6.60	19	PN	Pn	12 42 59.6 +0.4
KPT	Kopyto	6.79	18	eP	Pn	12 43 01.8 0.0
KPT	Kopyto	6.79	18	PN	Pn	12 43 01.8 0.0
KIRR	Kirishev	6.80	18	eP	Pn	12 43 02.1 0.0
KIRR	Kirishev	6.80	18	PN	Pn	12 43 02.1 0.0
KOZ	Kozyrevsk	6.81	16	eP	Pn	12 43 02.2 +0.1
KOZ	Kozyrevsk	6.81	16	PN	Pn	12 43 02.2 +0.1
BZMR	Bezymyannaya	6.82	19	eP	Pn	12 43 02.8 +0.5
BZMR	Bezymyannaya	6.82	19	PN	Pn	12 43 02.8 +0.5
BZWR	Bezymyanni-We	6.85	19	eP	Pn	12 43 03.2 +0.5
BZWR	Bezymyanni-We	6.85	19	PN	Pn	12 43 03.2 +0.5
BZGR	Bezymyanni-Gr	6.87	20	eP	Pn	12 43 03.3 +0.4
BZGR	Bezymyanni-Gr	6.87	20	PN	Pn	12 43 03.3 +0.4
ZLN	Zelenaya	6.96	20	eP	Pn	12 43 04.6 +0.4
ZLN	Zelenaya	6.96	20	PN	Pn	12 43 04.6 +0.4
KRRS	Krestovskiy	7.10	19	eP	Pn	12 43 05.1 -0.9
KRRS	Krestovskiy	7.10	19	PN	Pn	12 43 05.1 -0.9
KLY	Klyuchi	7.20	19	eP	Pn	12 43 07.0 -0.3
KLY	Klyuchi	7.20	19	PN	Pn	12 43 07.0 -0.3
KUR	Kuril'sk	7.30	237	eP	Pn	12 43 10.1 +1.4
KUR	Kuril'sk	7.30	237	PN	Pn	12 43 10.1 +1.4
KUR	comp=Z,8jum,2.3s				pmax	pmax
KUR	comp=E,329nm,0.6s				pmax	pmax
KUR	comp=Z,2jum,0.6s				pmax	pmax
KUR	comp=N,330nm,0.4s				pmax	pmax
BDR	Baidarnaya	7.56	20	eP	Pn	12 43 12.3 0.0
BDR	Baidarnaya	7.56	20	PN	Pn	12 43 12.3 0.0
SRKR	Sorokina	7.63	20	eP	Pn	12 43 13.2 0.0
SRKR	Sorokina	7.63	20	PN	Pn	12 43 13.2 0.0
SMKR	Semkarok	7.63	21	eP	Pn	12 43 12.6 -0.7
SMKR	Semkarok	7.63	21	PN	Pn	12 43 12.6 -0.7
KBTR	Krutoberegovo	7.66	27	eP	Pn	12 43 11.8 -1.8
KBTR	Krutoberegovo	7.66	27	PN	Pn	12 43 11.8 -1.8
BKI	Bering	8.08	42	eP	Pn	12 43 16.3 -3.0
BKI	Bering	8.08	42	PN	Pn	12 43 16.3 -3.0
SHO	Shikotan	8.76	233	eP	Pn	12 43 25.2 -3.4
SHO	Shikotan	8.76	233	PN	Pn	12 43 25.2 -3.4
SHO	comp=Z,587nm,0.5s				pmax	pmax
SHO	comp=E,253nm,0.6s				pmax	pmax
SHO	comp=N,102nm,0.4s				MLR	MLR
SHO	comp=Z,7jum,21.0s				MLR	MLR
SHO	comp=N,7jum,16.0s				MLR	MLR
SHO	comp=E,5jum,20.0s				MLR	MLR
TYV	Tymovskoe	8.99	284	eP	Pn	12 43 35.0 +3.3
TYV	Tymovskoe	8.99	284	PN	Pn	12 43 35.0 +3.3
TYV	comp=Z,668nm,1.3s				pmax	pmax
TYV	comp=Z,9jum,2.4s				MLR	MLR
TYV	comp=N,6jum,12.0s				MLR	MLR
TYV	comp=Z,8jum,12.0s				MLR	MLR
YUK	Yuzh-Kuril'sk	9.16	237c	eP	Pn	12 43 32.2 -1.9
YUK	Yuzh-Kuril'sk	9.16	237c	PN	Pn	12 43 32.2 -1.9
YUK	comp=Z,2jum,0.6s				pmax	pmax
YUK	comp=N,889nm,0.5s				pmax	pmax
YUK	comp=E,501nm,0.4s				MLR	MLR
YUK	comp=Z,11jum,19.0s				MLR	MLR
YUK	comp=E,66nm,16.0s				MLR	MLR
GRPR	Tuman	9.24	237	eP	Pn	12 43 33.4 -1.8
GRPR	Tuman	9.24	237	PN	Pn	12 43 33.4 -1.8
GRPR	comp=N,2jum,0.5s				pmax	pmax
GRPR	comp=E,823nm,0.5s				pmax	pmax
GRPR	comp=Z,773nm,0.5s				PN	Pn
OKH	Okha	9.35	300	eP	Pn	12 43 36.8 +0.1
OKH	Okha	9.35	300	PN	Pn	12 43 36.8 +0.1
UGL	Uglegorsk	9.46	273	eP	Pn	12 43 41.2 +3.1
UGL	Uglegorsk	9.46	273	PN	Pn	12 43 41.2 +3.1
UGL	comp=E,1jum,1.1s				pmax	pmax
UGL	comp=N,1jum,0.9s				pmax	pmax
UGL	comp=Z,7jum,0.9s				smax	smax
UGL	comp=N,1jum,1.1s				MLR	MLR
UGL	comp=Z,8jum,16.0s				MLR	MLR
GLVR	Golovino	9.54	237	eP	Pn	12 43 36.9 -2.4
GLVR	Golovino	9.54	237	PN	Pn	12 43 36.9 -2.4
GLVR	comp=N,1jum,0.4s				pmax	pmax
GLVR	comp=E,1jum,0.4s				pmax	pmax
YSS	Yuzh-Sakhalins	9.55	259	eP	Pn	12 43 41.7 +2.4
YSS	Yuzh-Sakhalins	9.55	259	PN	Pn	12 43 41.7 +2.4
YSS	Yuzh-Sakhalins	9.55	259	eS	Sn	12 45 23.4 -1.5
YSS	Yuzh-Sakhalins	9.55	259	PN	Pn	12 43 41.8 +2.4
YSS	Yuzh-Sakhalins	9.55	259	eS	Sn	12 45 27.2 +2.3
YSS	comp=E,1jum,1.0s				pmax	pmax
YSS	comp=Z,960nm,1.0s				pmax	pmax
YSS	comp=N,560nm,1.1s				smax	smax
YSS	comp=N,510nm,1.1s				smax	smax
YSS	comp=E,590nm,0.7s				MLR	MLR
YSS	comp=E,3jum,13.0s				MLR	MLR
YSS	comp=Z,4jum,13.0s				MLR	MLR
YSS	comp=N,2jum,12.0s				MLR	MLR
NKL	Nikolayevsk	10.53	296	eP	Pn	12 43 54.8 +2.0
NKL	Nikolayevsk	10.53	296	PN	Pn	12 43 54.8 +2.0
NKL	comp=N,200nm,2.0s				pmax	pmax
NKL	comp=Z,6jum,2.0s				pmax	pmax
NKL	comp=N,2jum,8.0s				pmax	pmax

NKL	comp=E,9jum,8.0s				pmax	pmax
NKL	comp=Z,10jum,7.0s				MLR	MLR
NKL	comp=N,3jum,13.0s				MLR	MLR
MA2	Magadan	10.57	344	eP	Pn	12 43 54.0 +0.8
MA2	Magadan	10.57	344	PN	Pn	12 43 54.0 +0.8
MA2	Magadan	10.57	344	eS	Sn	12 45 44.9 -4.7
MA2	Magadan	10.57	344	eP	Pn	12 43 54.0 +0.8
MA2	Magadan	10.57	344	eS	Sn	12 45 44.9 -4.7
MA2	Magadan	10.57	344	eP	Pn	12 43 54.5 +1.3
MA2	Magadan	10.57	344	eS	Sn	12 45 44.9 -4.7
MA2	Magadan	10.57	344	eP	Pn	12 43 54.9 +1.7
MA2	Magadan	10.57	344	eS	Sn	12 45 44.9 -4.7
ASAJ	Asahikawa	10.98	246	eP	Pn	12 43 59.6 +0.7
ASAJ	Asahikawa	10.98	246	PN	Pn	12 43 59.6 +0.7
ASAJ	Asahikawa	10.98	246	eS	Sn	12 47 58.2
ASAJ	Asahikawa	10.98	246	eP	Pn	12 43 59.4 +0.5
ASAJ	Asahikawa	10.98	246	eS	Sn	12 44 03.8 -1.9
SMY	Shemya	11.48	67	eP	Pn	12 46 02.4 -1.0
SMY	Shemya	11.48	67	PN	Pn	12 44 03.8 -1.9
SMY	Shemya	11.48	67	eP	Pn	12 44 03.8 -1.9
SMY	Shemya	11.48	67	eS	Sn	12 44 07.5 +2.0
GRNR	Gornyy	12.94	283	eP	Pn	12 44 07.5 +2.0
GRNR	Gornyy	12.94	283	PN	Pn	12 44 07.5 +2.0
GRNR	comp=N,21nm,1.0s				pmax	pmax
GRNR	comp=E,150nm,1.0s				pmax	pmax
GRNR	comp=Z,170nm,1.0s				pmax	pmax
SEY	Seymchan	13.59	352	eP	Pn	12 44 34.0 -0.1
SEY	Seymchan	13.59	352	PN	Pn	12 44 34.0 -0.1
SEY	Seymchan	13.59	352	eP	Pn	12 44 34.6 +0.6
SEY	Seymchan	13.59	352	eS	Sn	12 44 43.5 +0.8
SEY	Seymchan	13.59	352	eP	Pn	12 47 15.6 -3.5
TEY	Ternei	14.24	259	eP	Pn	12 47 15.6 -3.5
TEY	Ternei	14.24	259	PN	Pn	12 47 15.6 -3.5
TEY	comp=N,800nm,1.6s				pmax	pmax
TEY	comp=E,2jum,1.6s				pmax	pmax
TEY	comp=Z,2jum,1.6s				MLR	MLR
TEY	comp=N,1jum,12.0s				MLR	MLR
TEY	comp=Z,2jum,13.0s				MLR	MLR
KLR	Kul'dur	16.11	278	eP	Pn	12 45 08.0 -0.4
KLR	Kul'dur	16.11	278	PN	Pn	12 45 08.0 -0.4
KLR	Kul'dur	16.11	278	eP	Pn	12 45 07.8 -0.6
KLR	Kul'dur	16.11	278	eS	Sn	12 45 17.1 -1.5
ADK	Adak	17.09	72	eP	Pn	12 48 21.4 -6.4
ADK	Adak	17.09	72	PN	Pn	12 45 17.1 -1.5
ADK	Adak	17.09	72	eS	Sn	12 48 21.4 -6.4
ADK	Adak	17.09	72	eP	Pn	12 45 17.1 -1.5
ADK	Adak	17.09	72	PN	Pn	12 45 17.1 -1.5
ADK	Adak	17.09	72	eS	Sn	12 48 21.4 -6.4
ADK	Adak	17.09	72	eP	Pn	12 45 17.1 -1.5
ADK	Adak	17.09	72	PN	Pn	12 45 17.1 -1.5
ADK	Adak	17.09	72	eS	Sn	12 48 21.4 -6.4
ADK	Adak	17.09	72	eP	Pn	12 45 17.1 -1.5
ADK	Adak	17.09	72	PN	Pn	12 45 17.1 -1.5
ADK	Adak	17.09	72	eS	Sn	12 48 21.4 -6.4
ADK	Adak	17.09	72	eP	Pn	12 45 17.1 -1.5
ADK	Adak	17.09	72	PN	Pn	12 45 17.1 -1.5
ADK	Adak	17.09	72	eS	Sn	12 48 21.4 -6.4
ADK	Adak	17.09	72	eP	Pn	12 45 17.1 -1.5
ADK	Adak	17.09	72	PN	Pn	12 45 17.1 -1.5
ADK	Adak	17.09	72	eS	Sn	12 48 21.4 -6.4
ADK	Adak	17.09	72	eP	Pn	12 45 17.1 -1.5
ADK	Adak	17.09	72	PN	Pn	12 45 17.1 -1.5
ADK	Adak	17.09	72	eS	Sn	12 48 21.4 -6.4
ADK	Adak	17.09	72	eP	Pn	12 45 17.1 -1.5
ADK	Adak	17.09	72	PN	Pn	12 45 17.1 -1.5
ADK	Adak	17.09	72	eS	Sn	12 48 21.4 -6.4
ADK	Adak	17.09	72	eP	Pn	12 45 17.1 -1.5
ADK	Adak	17.09	72	PN	Pn	12 45 17.1 -1.5
ADK	Adak	17.09	72	eS	Sn	12 48 21.4 -6.4
ADK	Adak	17.09	72	eP	Pn	

HMH	comp=Z,438nm,1.1s Humu'ula Sheep comp=Z,430nm,1.1s	48.40 110 eP	P	12 49 59.9 +0.3	KUU	baz=306,SNR=28 Kurty comp=Z,378nm,1.7s	52.80 297 i/P	P	12 50 31.1 -0.9	KMRM	Mail Ridge comp=Z,345nm,1.0s	54.78 67 eP	P	12 50 48.6 +1.9
MWH	Mokuaweowe comp=Z,438nm,1.1s	48.42 111 eP	P	12 50 00.5 +0.4	KUU	comp=Z,21um,16.0s	eS LR	S LR	12 57 52.4 -2.2 13 13 56.9	UCH	Uchtor SNR=37	54.87 296 P	P	12 50 47.7 0.0
CUYO	Cuyo Island	48.50 230 eP	P	12 50 08.8 +0.8	MDOK	Medeo comp=Z,2um,1.6s	52.81 295 i/P	P	12 50 32.3 -0.1	I07A	comp=Z,107nm,0.9s	54.87 61 eP	P	12 50 48.2 +0.9
MLH	Mauna Loa	48.55 110 eP	P	12 50 01.5 +0.9	MDOK	comp=Z,2um,1.6s	eS LR	S LR	12 57 53.6 -1.5 13 13 50.1	K05A	Summer Lake comp=Z,778nm,1.0s	54.90 63 eP	P	12 50 48.3 +0.6
MLH	Mauna Loa	48.55 110 eP	Pmax	12 50 01.5 +0.9	J01E	Myrtle Point baz=307,SNR=18	52.86 65 P	P	12 50 34.1 +1.6	WALA	Waterton Lakes comp=Z,642nm,1.5s	54.91 54 eP	P	12 50 48.1 +0.6
AIN	Ainahoo comp=Z,668nm,1.1s	48.59 111 eP	P	12 50 01.9 +1.0	AAA	Alm comp=Z,305nm,1.8s	48.76 194 eP	LR LR	12 13 59.0	N02D	Trinity Center baz=308,SNR=119	54.91 66 eP	P	12 50 49.4 +1.7
PUH	Pauahi comp=Z,339nm,1.1s	48.74 110 eP	P	12 50 02.4 +0.5	I03D	Drain, OR comp=Z,319nm,0.9s	52.88 64 P	P	12 50 34.2 +1.5	M04C	Macdoel baz=308,SNR=137	54.93 65 P	P	12 50 49.3 +1.5
HLP	Hilina Pali	48.74 111 eP	P	12 50 02.4 +0.4	NONG	Nongkai comp=Z,12nm,0.7s,comp=Z,90nm	52.88 253 P	P	12 50 34.1 +1.1	CMMT	Chiang Mai comp=Z,698nm,0.8s,comp=Z,6um	54.97 258 P	P	12 50 49.2 +1.0
STCH	Steam Cracks comp=Z,228nm,1.0s	48.79 110 eP	P	12 50 03.0 +0.7	H04A	Detroit Lake comp=Z,319nm,0.9s	52.92 62 P	P	12 50 34.1 +0.7	CHTO	Chiang Mai SNR=282	54.97 258 eP	P	12 50 49.5 +1.3
BUKP	Musuan	49.19 223 eP	P	12 50 04.1 -1.2	G05D	Wamic, OR baz=306,SNR=53	53.14 61 eP	P	12 50 35.7 +1.1	CHTO	Chiang Mai comp=Z,450nm,0.8s	54.97 258 eP	Pmax	12 50 49.5 +1.3
LLBL	Lillooet	49.19 223 eP	P	12 50 04.1 -1.2	E07A	Sunnyside comp=Z,275nm,0.9s	53.19 59 eP	P	12 50 35.7 +0.8	CHTO	Chiang Mai comp=Z,3um,0.8s,comp=Z,28um	54.97 258 P	P	12 50 49.2 +1.0
PAGZ	Pagadian comp=Z,236nm,0.9s	49.98 225 eP	P	12 50 11.1 -0.1	SKNT	Sakolka comp=Z,194nm,1.0s,comp=Z,2um	53.19 252 P	P	12 50 36.0 +0.8	F10A	Beach Ranch, E comp=Z,81nm,0.8s	55.00 58 eP	P	12 50 48.5 +0.4
PGC	Sidner comp=Z,174nm,0.6s	49.99 59 eP	P	12 50 10.5 +0.6	K02D	Willamette Mer baz=307,SNR=31	53.30 65 P	P	12 50 37.2 +1.4	KKM	Kokoi comp=Z,26nm,0.8s	55.03 232 eP	P	12 50 50.3 +1.6
TARA	Tarawa comp=Z,108nm,1.1s	50.04 158 eP	P	12 50 11.9 +0.2	SVE	Sverdlovsk comp=Z,405nm,1.1s	53.32 317 d/P	P	12 50 35.1 -0.6	EKS2	Erkin-Say SNR=23	55.03 297 P	P	12 50 48.9 +0.4
KBS	Kingsbay comp=Z,57nm,0.8s	50.05 352 eP	P	12 50 10.8 -0.3	SVE	SVE	eS	S	12 57 56.0 -5.3	BSMT	Blue Snow Peak comp=Z,459nm,1.1s	55.18 55 eP	P	12 50 50.5 +0.9
KBS	Kingsbay	50.05 352 eP	Pmax	12 50 10.8 -0.3	SVE	SVE	eS	S	12 57 56.0 -5.3	KCPM	Cahto Peak SNR=202	55.19 68 eP	P	12 50 51.2 +1.5
KBS	Kingsbay	50.05 352 eP	P	12 50 10.5 -0.5	SVE	SVE	eS	S	12 57 56.0 -5.3	CM31	Chiang Mai Arr SNR=202	55.23 257 eP	P	12 50 51.8 +1.7
CTBH	Cotabato-PC H	50.24 350 eP	P	12 50 11.8 -0.7	SVE	SVE	eS	S	12 57 56.0 -5.3	CM31	Chiang Mai Arr SNR=202	55.23 257 P	P	12 50 52.0 +1.9
SPA0	Spitsbergen Ar	50.24 350 eP	P	12 50 11.8 -0.7	SVE	SVE	eS	S	12 57 56.0 -5.3	CMAR	Chiang Mai Arr comp=Z,160nm,0.7s,baz=30,slow=7.2,SNR=402	55.23 257 P	P	12 50 51.6 +1.6
SPA0	Spitsbergen Ar	50.24 350 eP	P	12 50 11.8 -0.7	SVE	SVE	eS	S	12 57 56.0 -5.3	CMAR	comp=Z,668nm,20.5s,baz=55,slow=36	55.23 257 P	P	13 14 54.7
A04D	Lummi Island baz=304,SNR=5.3	50.37 58 eP	P	12 50 14.7 +0.8	C09A	Chrisman Ranch comp=Z,284nm,1.0s	53.33 57 eP	P	12 50 36.2 +0.3	CMAR	comp=Z,1.9nm,1.0s,baz=250,slow=4.1,SNR=6.2	55.23 257 P	P	13 21 08.8
NLWA	Neilton Lookou comp=Z,467nm,0.9s	50.46 60 eP	P	12 50 15.8 +1.2	I04A	Tendick Farm, baz=307,SNR=82	53.37 63 eP	P	12 50 37.4 +1.1	CMAR	comp=Z,1.4nm,0.8s,baz=234,slow=4.1,SNR=4.6	55.23 257 P	P	13 21 29.7
A05A	Maple Falls comp=Z,311nm,1.3s	50.56 57 eP	P	12 50 15.5 +0.2	D08A	Wollman Farm, comp=Z,154nm,0.9s	53.41 58 eP	P	12 50 36.8 +0.2	CHAI	Chaiyaphum SNR=202	55.24 253 P	P	12 50 50.9 +0.8
D03D	Eldon baz=304,SNR=71	50.81 60 P	P	12 50 18.4 +1.1	BTL5	Baital comp=Z,128nm,1.6s	53.44 299f eP	P	12 50 36.1 -0.6	CM01	Chiang Mai Arr SNR=202	55.25 257 eP	P	12 50 51.8 +1.6
BVA0	Borovoye Array	50.84 309 P	Pmax	12 50 16.6 -0.8	BTL5	Baital comp=Z,128nm,1.6s	53.44 299f eP	P	12 50 36.1 -0.6	WDC	Whiskeytown Ia SNR=202	55.26 66 eP	P	12 50 51.3 +1.2
BVA0	Borovoye Array	50.84 309 P	Pmax	12 50 16.6 -0.8	BTL5	Baital comp=Z,128nm,1.6s	53.44 299f eP	P	12 50 36.1 -0.6	WDC	Whiskeytown Ia SNR=202	55.26 66 eP	Pmax	12 50 51.2 +1.2
BVAR	Borovoye Array comp=Z,365nm,1.1s	50.84 309 P	P	12 50 16.7 -0.7	HAWA	Hanford comp=Z,421nm,15.7s	53.46 59 eP	P	12 50 37.5 +0.6	CM01	Chiang Mai Arr SNR=202	55.26 66 eP	Pmax	12 50 51.8 +1.6
BVAR	Borovoye Array comp=Z,94nm,0.4s,baz=90,slow=8.9,SNR=877	50.84 309 P	P	12 50 16.7 -0.7	G06A	Comp=Z,289nm,1.0s	53.53 61 eP	P	12 50 38.0 +0.6	WDC	Whiskeytown Ia SNR=202	55.26 66 eP	P	12 50 51.3 +1.2
BVAR	Borovoye Array comp=Z,5.9nm,0.5s,baz=90,slow=4.3,SNR=3.7	50.84 309 P	P	12 50 16.7 -0.7	W07A	Phinny Hill Vi comp=Z,485nm,0.7s	53.54 60 eP	P	12 50 38.5 +1.1	WDC	Whiskeytown Ia SNR=202	55.26 66 eP	Pmax	12 50 51.2 +1.2
BVAR	Borovoye Array comp=Z,9.9nm,0.9s,baz=55,slow=11,SNR=5.8	50.84 309 P	P	12 50 16.7 -0.7	FBPT	Khong Chiam comp=Z,468nm,1.3s,comp=Z,2um	53.57 249 P	P	12 50 39.3 +1.3	002D	Mt. Diablo Mer baz=309,SNR=162	55.36 67 P	P	12 50 52.5 +1.6
BVAR	Borovoye Array comp=Z,1.2nm,0.5s,baz=98,slow=3.1,P4K(Pbc	50.84 309 P	P	12 50 16.7 -0.7	JAY	Jayapura comp=Z,10nm,0.7s,baz=258,slow=12,SNR=4.7	53.56 65 P	P	12 50 40.0 +1.6	PBKT	Sadao Pong comp=Z,305nm,0.6s,comp=Z,3um	55.37 254 P	P	12 50 52.1 +1.1
BVAR	Borovoye Array comp=Z,93nm,0.4s	50.84 309 P	Pmax	12 50 16.7 -0.7	L02E	Cave Junction baz=307,SNR=50	53.66 65 P	P	12 50 40.0 +1.6	AML	Almayashu SNR=26	55.41 296 P	P	12 50 52.0 +0.4
BVAR	Borovoye Array comp=N,10.0nm,0.9s	50.84 309 P	P	12 50 16.7 -0.7	I05D	Terrebonne, OR baz=307,SNR=50	53.66 62 P	P	12 50 39.5 +1.0	KEV	Kevo comp=Z,48nm,1.1s	55.44 341 eP	Pmax	12 50 49.8 -1.0
BVAR	Borovoye Array comp=Z,651nm,19.8s	50.88 309 eP	P	12 50 17.1 -0.6	E08A	Dider Farm, El comp=Z,179nm,0.9s	53.67 59 eP	P	12 50 38.8 +0.4	JMVT	Jetty comp=Z,140nm,0.8s	55.51 55 eP	P	12 50 52.8 +0.9
BRVK	Borovoye comp=Z,396nm,0.9s	50.88 309 eP	P	12 50 17.1 -0.6	RABL	Rabau comp=Z,747nm,1.3s	53.67 185 eP	P	12 50 39.4 +0.7	SUKH	Sukhothai comp=Z,103nm,0.7s,comp=Z,756nm	55.52 256 P	P	12 50 53.7 +1.6
BRVK	Borovoye SNR=146	50.88 309 P	P	12 50 17.3 -0.4	NEW	Newport comp=Z,274nm,1.3s	53.68 56 eP	P	12 50 37.6 -0.9	BMO	Blue Mountains comp=Z,336nm,1.0s	55.64 59 eP	P	12 50 53.7 +0.9
BRVK	Borovoye	50.88 309c/P	Pmax	12 50 16.8 -0.9	NEW	Newport comp=Z,274nm,1.3s	53.68 56 eP	Pmax	12 50 37.6 -0.9	BMO	Blue Mountains comp=Z,336nm,1.0s	55.64 59 eP	Pmax	12 50 53.7 +0.9
BRVK	Borovoye	50.88 309c/P	Pmax	12 50 16.8 -0.9	NEW	Newport comp=Z,274nm,1.3s	53.68 56 P	P	12 50 38.8 +0.3	BMO	Blue Mountains comp=Z,336nm,1.0s	55.64 59 eP	Pmax	12 50 53.7 +0.9
TULEG	Thule comp=Z,114nm,0.8s	50.90 12 eP	P	12 50 17.8 +0.3	HUMO	Hull Mountain comp=Z,317nm,1.2s	53.77 65 eP	P	12 50 40.5 +1.3	APA	Apaitity comp=Z,340nm,1.2s	55.64 337 i/P	P	12 50 49.5 -2.8
TDK	Taidyghar comp=Z,741nm,0.8s	50.95 297 i/P	P	12 50 18.5 +0.2	TKM2	Tokmak 2 SNR=133	53.81 296 P	P	12 50 39.4 -0.3	APA	Apaitity comp=Z,340nm,1.2s	55.64 337 i/P	P	12 50 49.5 -2.8
TDK	Taidyghar	50.95 297 i/P	S	12 57 27.8 -1.4 13 12 29.4	ULHL	Ulhalo SNR=31	53.84 295 P	P	12 50 40.1 +0.1	APA	Apaitity comp=Z,340nm,1.2s	55.64 337 i/P	P	12 50 49.5 -2.8
TDK	Taidyghar	50.95 297 i/P	S	12 57 27.8 -1.4 13 12 29.4	J04D	Umpqua Nationa baz=307,SNR=20	53.88 63 P	P	12 50 41.7 +1.4	KSH	Kashi comp=Z,18nm,0.8s	55.69 293 P	P	12 50 57.3 +4.0
B05A	Bryan baz=304,SNR=50	50.96 58 P	P	12 50 19.0 +0.7	DAG	Danmarks Havn comp=Z,102nm,0.7s	53.90 359 i/P	P	12 50 39.5 -0.1	KSH	Kashi comp=Z,18nm,0.8s	55.69 293 P	P	12 50 57.3 +4.0
E03A	Lebam comp=Z,380nm,0.8s	51.10 61 eP	P	12 50 20.4 +1.0	DAG	Danmarks Havn comp=Z,102nm,0.7s	53.90 359 i/P	P	12 50 39.5 -0.1	KSH	Kashi comp=Z,18nm,0.8s	55.69 293 P	P	12 50 57.3 +4.0
B06A	Marblemount comp=Z,300nm,0.9s	51.16 58 eP	P	12 50 20.4 +0.6	DAG	Danmarks Havn comp=Z,102nm,0.7s	53.90 359 i/P	Pmax	12 50 39.5 -0.1	KSH	Kashi comp=Z,18nm,0.8s	55.69 293 P	P	12 50 57.3 +4.0
D04E	Lakebay baz=305	51.19 60 P	P	12 50 21.5 +1.4	PAYA	Payas comp=Z,100nm,0.7s	53.98 257 P	P	12 50 42.6 +1.6	KSH	Kashi comp=Z,18nm,0.8s	55.69 293 P	P	12 50 57.3 +4.0
PDGK	Podgornoye comp=Z,250nm,1.0s	51.27 294 P	Pmax	12 50 20.1 -0.8	KULLO	Kullorsuaq comp=Z,203nm,0.7s,comp=Z,2um	54.09 11 i/P	P	12 50 41.3 +0.2	KSH	Kashi comp=Z,920nm,9.6s	55.93 341 P	P	12 50 52.8 -1.6
PDGK	Podgornoye	51.27 294 P	Pmax	12 50 20.1 -0.8	KULLO	Kullorsuaq comp=Z,203nm,0.7s,comp=Z,2um	54.09 11 i/P	P	12 50 41.3 +0.2	KSH	Kashi comp=Z,920nm,9.6s	55.93 341 P	P	12 50 52.8 -1.6
BRZS	Berezni comp=Z,363nm,0.9s	51.34 305 i/P	P	12 50 20.4 -0.7	KULLO	Kullorsuaq comp=Z,203nm,0.7s,comp=Z,2um	54.09 11 i/P	Pmax	12 50 41.3 +0.2	KSH	Kashi comp=Z,920nm,9.6s	55.93 341 P	P	12 50 52.8 -1.6
BRZS	Berezni	51.34 305 i/P	S	12 57 31.9 -2.6 13 13 07.7	E09A	Wood Farm, Sta comp=Z,405nm,0.9s	54.16 58 eP	P	12 50 42.5 +0.5	MOD	Modoc Plateau comp=Z,74nm,0.9s	55.75 64 eP	P	12 50 54.9 +1.1
BRZS	Berezni	51.34 305 i/P	S	12 57 31.9 -2.6 13 13 07.7	JCC	Jacoby Creek comp=Z,469nm,1.0s	54.22 62 eP	P	12 50 44.0 +1.5	003E	Paynes Creek baz=309,SNR=279	55.87 66 P	P	12 50 55.3 +0.7
SHLS	Shalkode comp=Z,286nm,12.5s	51.39 294 i/P	S	12 50 19.6 -2.2	PINE	Pine Mountain comp=Z,329nm,1.0s	54.24 297 P	P	12 50 44.2 +1.5	MNAS	Manas comp=Z,117nm,0.9s	55.88 297 P	Pmax	12 50 54.6 0.0
SHLS	Shalkode	51.39 294 i/P	S	12 50 19.6 -2.2	USP	Ospenovka SNR=174	54.24 297 P	P	12 50 42.9 +0.2	MNAS	Manas comp=Z,117nm,0.9s	55.88 297 P	Pmax	12 50 54.6 0.0
SHLS	Shalkode	51.39 294 i/P	S	12 50 19.6 -2.2	CHMS	Chumys SNR=51	54.26 297 P	P	12 50 42.9 +0.1	J08A	Circle Bar Nn comp=Z,629nm,1.3s	55.90 61 eP	P	12 50 56.1 +1.3
SHLS	Shalkode	51.39 294 i/P	S	12 50 19.6 -2.2	KBK	Karagaybulak SNR=51	54.35 296 P	P	12 50 43.7 +0.1	ARA0	ARCESS Array S SNR=51	55.93 341 eP	P	12 50 52.8 -1.6
D05A	Enumcl													

Table with columns: ID, Name, Location, Frequency, Power, Mode, and other technical details. Includes entries like BUR04 Bucovina Ar. S, BUR19 Bucovina Aray, NIE1 Niedzica, etc.

Table with columns: ID, Name, Location, Frequency, Power, Mode, and other technical details. Includes entries like KECS Kecovo, KECS KECOS, KECS KECOS, etc.

Table with columns: ID, Name, Location, Frequency, Power, Mode, and other technical details. Includes entries like R46A Gibon Southern, HARR Harsova, U41A Rector, etc.

ODNJ	Ogdensburg	79.17	37	eP	P	12 53 20.8 -0.3
X48A	Hartselle	79.17	49	eP	P	12 53 20.7 -0.6
X48A	Hartselle	79.17	49	P	P	12 53 20.6 -0.6
145A	Houston Renfro	79.20	52	P	P	12 53 22.1 +0.6
VBMS	Vicksburg	79.20	53	eP	P	12 53 22.3 +0.8
VBMS	Vicksburg	79.20	53	P	P	12 53 22.2 +0.8
LJU	Ljubljana	79.21	334	iP	P	12 53 21.4 +0.1
PCB	Panagyushte	79.21	327	iP	P	12 53 21.6 +0.2
Y47A	UCPARC, Winfie	79.21	50	P	P	12 53 21.1 -0.4
Z46A	Louisville	79.23	51	P	P	12 53 22.2 +0.6
244A	Avery, Jackson	79.25	53	P	P	12 53 22.5 +0.8
LUPA	Lehigh Unvers	79.28	38	eP	P	12 53 21.7 -0.1
WES	Weston	79.28	34	eP	P	12 53 22.0 +0.3
WES	Weston	79.28	34	eP	P	12 53 22.0 +0.3
DIVS	Divisab	79.29	330	eP	P	12 53 21.7 -0.1
DIVS	Divisab	79.29	330	iP	P	12 53 21.7 -0.1
DIVA	Damuels	79.30	338	iP	P	12 53 22.8 +0.8
DOB	Doboj	79.33	331	eP	P	12 53 21.6 -0.3
FETA	Feichten	79.33	337	iP	P	12 53 23.1 +1.2
VISS	Visnje	79.34	334	eP	P	12 53 21.9 -0.1
U52A	Thorn Hill	79.35	45	P	P	12 53 22.5 +0.2
343A	Vidalia	79.36	54	P	P	12 53 23.4 +1.0
V51A	Loudon	79.37	46	eP	P	12 53 22.4 +0.1
V51A	Loudon	79.37	46	P	P	12 53 22.3 -0.1
442A	Mamou	79.38	55	P	P	12 53 23.9 +1.5
MVL	Millersville	79.39	39	eP	P	12 53 22.5 +0.1
W50A	Signal Mountai	79.41	47	eP	P	12 53 22.0 -0.6
W50A	Signal Mountai	79.41	47	P	P	12 53 22.5 -0.1
X49A	Woodville	79.47	48	P	P	12 53 22.7 -0.2
JAVS	Javornik	79.47	334	eP	P	12 53 22.5 -0.4
541A	Lake Charles	79.48	36	eP	P	12 53 22.4 +1.4
BOJS	Bojanci	79.49	333	iP	P	12 53 23.2 +0.4
PAL	Palisades	79.50	36	eP	P	12 53 22.7 -0.2
PAL	Palisades	79.50	36	eP	P	12 53 22.7 -0.2
PAL	Palisades	79.50	36	P	P	12 53 22.7 -0.2
CEI	Cerknica	79.51	334	iP	P	12 53 23.1 +0.1
MNCI	Minicoy	79.51	270	eP	P	12 53 24.9 +1.5
VTS	Vitosh	79.52	327	eP	P	12 53 23.3 +0.1
VTS	Vitosh	79.52	327	iP	P	12 53 23.3 +0.1
VTS	Vitosh	79.52	327	P	P	12 53 23.3 +0.1
VTS	Vitosh	79.52	327	eP	P	12 53 23.3 +0.1
BRNJ	Basking Ridge	79.52	37	eP	P	12 53 23.3 +0.3
KDZ	Kurdzhali	79.53	325	iP	P	12 53 23.5 +0.4
MNCY	Minicoy	79.54	270	eP	P	12 53 25.6 +2.1
Y48A	Jaspe	79.54	49	P	P	12 53 25.3 -0.8
PCPT	Cooper Cave	79.58	47	eP	P	12 53 23.4 -0.1
BLY	Banja Luka	79.60	332	eP	P	12 53 23.0 -0.4
BLY	Banja Luka	79.60	332	iP	P	12 53 23.7 +0.3
BLY	Banja Luka	79.60	332	iP	P	12 53 23.3 -0.1
BRYW	Bryant College	79.61	34	eP	P	12 53 23.6 0.0
146A	Union	79.62	51	eP	P	12 53 24.4 +0.7
146A	Union	79.62	51	P	P	12 53 24.6 +0.9
HAPS	Han Pijesak, BI	79.64	330	iP	P	12 53 23.7 -0.1
Z47A	Carrollton	79.67	50	P	P	12 53 24.0 +0.1
245A	Little AP, Sta	79.67	52	P	P	12 53 24.8 +0.8
CPNY	Central Park	79.67	37	eP	P	12 53 23.9 0.0
443A	Delano Plantat	79.68	54	P	P	12 53 25.7 +1.6
BBLs	Lazći	79.69	330	iP	P	12 53 24.5 +0.5
344A	Westbrook Farm	79.69	53	eP	P	12 53 25.5 +1.3
344A	Westbrook Farm	79.69	53	P	P	12 53 25.4 +1.3
SDMD	Soldier's Field	79.69	39	eP	P	12 53 24.0 0.0
V52A	Sevierville	79.69	46	eP	P	12 53 24.3 +0.2
V52A	Sevierville	79.69	46	P	P	12 53 24.3 +0.2
W51A	Cleveland	79.70	47	P	P	12 53 24.0 -0.2
TRI	Trieste	79.73	334	eP	P	12 53 24.2 +0.1
TRI	Trieste	79.73	334	eP	P	12 53 24.2 +0.1
ZAIG	Zacatecas	79.73	67	eP	P	12 53 25.4 +0.6
U53A	Fall Branch	79.74	45	P	P	12 53 24.4 +0.1
ARMA	Armidade	79.75	184	eP	P	12 53 25.3 +1.1
RZN	Rozhen	79.76	325	iP	P	12 53 24.6 0.0
TKL	Tuckaleechee C	79.76	46	eP	P	12 53 24.1 -0.3
TKL	Tuckaleechee C	79.76	46	eP	P	12 53 24.2 -0.3
DAVX	Davos/Dischmat	79.77	337	PKKPbc	PKKPbc	13 12 08.4 -0.1
DAVOX	Davos/Dischmat	79.77	337	PKKPbc	PKKPbc	13 12 08.4 -0.1
542A	Morse	79.78	55	P	P	12 53 26.5 +1.9
GBN	Guybsborough	79.78	26	eP	P	12 53 25.4 +1.0
Z48A	Northport	79.78	50	P	P	12 53 24.0 -0.6
PSUB	Penn St. - Bra	79.82	38	eP	P	12 53 24.4 -0.3
FUORH	Ofenpas-Fuorc	79.82	337	eP	P	12 53 26.2 +1.3
X50B	Fort Payne	79.84	48	P	P	12 53 24.7 -0.3
HAL	Halifax	79.86	28	eP	P	12 53 25.3 +0.5
HAL	Halifax	79.86	28	eP	P	12 53 25.3 +0.5
RIV	Rijeka	79.88	334	iP	P	12 53 24.9 0.0
JRS	Jersey	79.92	346	eP	P	12 53 25.9 +0.9
RDO	Rodhopi	79.92	325	eP	P	12 53 25.6 +0.4
RDO	Rodhopi	79.92	325	eP	P	12 53 25.6 +0.4
JSA	Saint Aubin	79.93	346	iP	P	12 53 26.0 +0.9
LNIG	Linares	79.94	63	eP	P	12 53 25.1 -0.5
Y49A	Blount Mountai	79.96	49	eP	P	12 53 25.1 -0.4
Y49A	Blount Mountai	79.96	49	P	P	12 53 25.2 -0.4
147A	Livingston	79.98	51	eP	P	12 53 26.1 +0.3

147A	Livingston	79.98	51	P	P	12 53 26.0 +0.3
BLA	Blacksburg	80.01	43	eP	P	12 53 25.8 -0.1
BLA	Blacksburg	80.01	43	eP	P	12 53 25.8 -0.1
BLA	Blacksburg	80.01	43	eP	P	12 53 25.9 +0.1
BLA	Blacksburg	80.01	43	eP	P	12 53 25.9 +0.1
TAOE	Nuku Hiva Isla	80.05	116	eS	S	13 03 18.7 -5.9
TAOE	Nuku Hiva Isla	80.05	116	eLR	LR	13 17 55.0
246A	Jackson Lee, B	80.08	52	P	P	12 53 27.2 +1.0
X51A	Calhoun	80.14	47	eP	P	12 53 26.4 -0.1
X51A	Calhoun	80.14	47	eP	P	12 53 26.3 -0.2
W52A	Murphy	80.15	46	eP	P	12 53 26.7 +0.1
W52A	Murphy	80.15	46	P	P	12 53 26.6 0.0
PLE	Piljevia	80.17	330	iP	P	12 53 26.6 -0.1
345A	Thompson Farm	80.17	53	P	P	12 53 27.8 +1.1
543A	St. Martinville	80.18	55	P	P	12 53 28.7 +2.0
TUE	Stuetta	80.19	338	eP	P	12 53 28.0 +1.2
KKB	Knapik	80.19	327	iP	P	12 53 27.2 +0.5
V53A	Saluda	80.20	45	eP	P	12 53 27.1 +0.2
V53A	Saluda	80.20	45	P	P	12 53 26.8 0.0
MMB	Mimbaste	80.20	326	iP	P	12 53 27.1 +0.3
UDBI	Udbina	80.23	333	P	P	12 53 27.1 +0.2
Y50A	Piedmont	80.26	48	P	P	12 53 26.9 -0.3
444A	Pine Grove	80.27	54	P	P	12 53 28.6 +1.4
247A	Quitman	80.31	51	P	P	12 53 28.7 +1.2
LRAL	Lakeview Retre	80.33	50	eP	P	12 53 27.1 -0.5
LRAL	Lakeview Retre	80.33	50	P	P	12 53 27.1 -0.5
148A	Greensboro	80.36	50	P	P	12 53 27.4 -0.3
NVR	Newkopi	80.36	326	P	P	12 53 27.9 +0.2
346A	Big Creek Wild	80.40	52	eP	P	12 53 29.1 +1.1
346A	Big Creek Wild	80.40	52	P	P	12 53 28.9 +0.9
IVA	Verane	80.41	329	iP	P	12 53 28.3 +0.4
Z49A	Columbiana	80.44	49	P	P	12 53 27.8 -0.3
RAR	Rarotonga	80.44	139	eP	P	12 53 28.4 +0.4
RAR	Rarotonga	80.44	139	eP	P	12 53 28.4 +0.4
RAR	Rarotonga	80.44	139	eP	P	12 53 28.4 +0.4
UPM	Unac-Pyva	80.44	330	iP	P	12 53 27.9 -0.3
UPM	Unac-Pyva	80.44	330	iP	P	12 53 28.3 +0.1
W53A	Cullowhee	80.45	46	P	P	12 53 28.5 +0.1
NVLJ	Novajia	80.46	333	P	P	12 53 27.3 -0.7
445A	Amite	80.47	53	P	P	12 53 29.5 +1.2
R58B	Mineral	80.48	41	P	P	12 53 28.2 -0.1
CBN	Corbin Frederi	80.49	40	eP	P	12 53 28.8 +0.4
CBN	Corbin Frederi	80.49	40	P	P	12 53 28.6 +0.3
544A	White Castle	80.53	54	P	P	12 53 30.6 +2.0
X52A	Dalnegga	80.57	47	P	P	12 53 28.9 0.0
Y51A	Rockmart	80.58	48	P	P	12 53 28.5 -0.4
PVY	Plav	80.64	329	iP	P	12 53 29.4 +0.2
STIP	Stip	80.67	327	iP	P	12 53 28.8 -0.4
SRS	Serrai	80.67	326	eP	P	12 53 29.1 -0.2
SRS	Serrai	80.67	326	eP	P	12 53 29.1 -0.2
SRS	Serrai	80.67	326	eP	P	12 53 29.1 -0.2
SKO	Skopje	80.68	328	iP	P	12 53 29.9 +0.6
Z50A	Ashland	80.69	49	eP	P	12 53 29.2 -0.3
Z50A	Ashland	80.69	49	P	P	12 53 29.2 -0.3
THAS	Thassos Island	80.70	325	P	P	12 53 29.1 -0.3
BG3	Lak Ljocasse	80.70	46	eP	P	12 53 29.9 +0.3
248A	Dixon Mills	80.72	51	P	P	12 53 30.3 +0.6
LHI	Lord Howe Isla	80.76	178	eP	P	12 53 30.9 +1.4
NKY	Niksic	80.76	330	iP	P	12 53 29.8 0.0
ISP	Isparta	80.77	320	eP	P	12 53 30.3 +0.4
ISP	Isparta	80.77	320	eP	P	12 53 30.4 +0.6
ISP	Isparta	80.77	320	eP	P	12 53 30.3 +0.4
PMOR	Pomariorio Ree	80.77	126	eP	P	12 53 30.8 +0.9
PMOR	Pomariorio Ree	80.77	126	eT	T	14 22 51.7
SENIN	Lac Senin/Sane	80.78	339	eP	P	12 53 31.1 +1.0
149A	Jones	80.79	50	P	P	12 53 30.1 +0.1
NKME	Niksic	80.81	330	iP	P	12 53 29.8 -0.3
MZR	Muzera	80.82	295	iP	P	12 53 31.0 +0.6
BRY	Bratogost	80.83	330	iP	P	12 53 30.0 -0.3
BRY	Bratogost	80.83	330	iP	P	12 53 29.9 -0.3
VAY	Valandovo	80.86	327	eP	P	12 53 30.5 +0.3
VAY	Valandovo	80.86	327	eP	P	12 53 30.5 +0.3
VAY	Valandovo	80.86	327	eP	P	12 53 30.5 +0.3
347A	Saraland	80.86	52	P	P	12 53 31.6 +1.2
KNT	Kendrick	80.88	326	P	P	12 53 30.6 +0.2
X53A	Estanolle	80.93	46	P	P	12 53 31.1 +0.4
545A	Edgard	80.93	54	P	P	12 53 32.9 +2.1
Z51A	Franklin	81.00	48	P	P	12 53 30.9 -0.3
PDG	Podgorica	81.02	329	iP	P	12 53 31.4 +0.4
PDG	Podgorica	81.02	329	iP	P	12 53 31.2 +0.2
TTG	Podgorica	81.02	329	iP	P	12 53 31.2 +0.2
TTG	Podgorica	81.02	329	eP	P	12 53 31.0 0.0
TTG	Podgorica	81.02	329	eP	P	12 53 31.0 0.0
MANT	Manisa	81.02	321	eP	P	12 53 32.1 +0.7
CEMC	Cevo	81.02	330	iP	P	12 53 31.1 -0.1
TREB	Trebjine	81.06	330	iP	P	12 53 30.6 -0.7
Y52A	Liburn	81.09	47	eP	P	12 53 31.8 +0.1
Y52A	Liburn	81.09	47	P	P	12 53 31.6 0.0
VAH	Vaihoa	81.11	126	eP	P	12 53 32.4 +0.7
249A	Camd	81.12	50	P	P	12 53 32.5 +0.7
STON	Ston					

16d 12h

Table with columns for call sign, name, frequency, and other details. Includes entries like ASAF Jabal al Asfar, KSL Kastellorizon, 352A Blakely, etc.

2012 OCT

Table with columns for call sign, name, frequency, and other details. Includes entries like ANKY Antikythira Is, 657A Interachen, 656A Willston, etc.

760

Table with columns for call sign, name, frequency, and other details. Includes entries like DGAR Diego Garcia, MESJ Mesjejana, MESJ Mesjejana, etc.

Table of astronomical observations for 16d 13h, listing station names, coordinates, and observation details.

Table of astronomical observations for 2012 OCT, listing station names, coordinates, and observation details.

Table of astronomical observations for 762, listing station names, coordinates, and observation details.

JHU	baz=73,slow=19,SNR=2.0	S	Sn	13 42 54.9 +0.6	comp=Z,81nm,1.0s	SARN	Sarigan	20.17 132	eP	P	13 43 47.7 +0.6
JHU	comp=Z,617nm,20.5s, baz=326,slow=30	LR	LR	13 43 32.2	comp=Z,121nm,1.2s	ANAZ	Anatahan	20.40 133	eP	Pn	13 43 52.4 -1.5
JHU2	Mitsuru	8.26 74	Pn	13 41 27.1 +4.6	comp=Z,706nm,1.3s	GYA	Guiyang	21.26 263	fl/P	P	13 43 57.8 -0.9
JHU2	Mitsuru	8.26 74	Pn	13 41 27.8 +5.3		GYA	GYA		PP	pP	13 44 30.0 +1.3
JNG	Nsakai	8.27 49	Pn	13 41 23.9 +1.1		GYA	GYA		S	sP	13 44 49.6 +0.9
MAJO	Matsushiro	8.42 49	ePn	13 41 25.2 +0.5		GYA	GYA		ScP	ScP	13 47 43.4 -1.3
MAJO	Matsushiro	8.42 49	iP	13 41 25.5 +0.8		GYA	GYA		ScP	ScP	13 48 27.3 +1.5
IAT	Matsushiro	8.42 49	Pn	13 41 25.5 +0.8		GYA	GYA		ScP	ScP	13 51 18.0 +1.0
MAT	Matsushiro	8.42 49	Pn	13 42 59.4 +0.6		TYV	Tymovskoe	21.65 22	eP	P	13 44 00.9 -1.6
MAT	Matsushiro	8.42 49	Pn	13 41 25.3 +0.6		TYV	TYV		pmax	pmax	
MJB9	Matsu-Tunnel	8.42 49	ePn	13 41 25.1 +0.3		TYV	TYV		pmax	pmax	
MJAR	Matsushiro Arr	8.42 49	Pn	13 41 25.9 +1.1		QIZ	Qiongzong	22.13 242	P	P	13 44 07.8 +0.2
MJAR	12nm,0.3s, baz=240,slow=15,SNR=8.1	S	Sn	13 42 59.1 +0.2		QIZ	Qiongzong		sP	sP	13 44 57.8 -2.0
MJAR	16nm,0.3s, baz=236,slow=25,SNR=13	LR	LR	13 45 19.1		QIZ	Qiongzong		S	S	13 48 02.9 +4.0
MJAR	comp=Z,250nm,18.2s, baz=260,slow=42	LR	LR	13 45 19.1		QIZ	Qiongzong		pmax	pmax	
JRY	Ryogami san	8.60 54	Pn	13 41 28.4 +1.4		LZH	Lanzhou	22.55 290	eP	P	13 44 11.3 -0.3
JJIN	Nakama	8.74 46	Pn	13 41 31.0 +2.1		LZH	Lanzhou		pP	pP	13 44 40.8 -1.9
JAG	Ashikaga	9.19 53	Pn	13 41 36.4 +1.6		LZH	Lanzhou		Pn/Pn	Pn/Pn	13 44 49.0 +2.3
JHK	Hiroka	9.37 48	Pn	13 41 38.7 +1.6		LZH	Lanzhou		eS	eS	13 48 08.8 +3.0
NJ2	Nanjing	9.82 278	eP	13 41 43.3 +0.2		ZEZ	Zeya	22.61 355	eP	P	13 44 11.0 -0.7
NJ2			S	13 43 31.4 -0.9		ZEZ	Zeya		eS	eS	13 44 45.2
NJ2	comp=Z,33nm,0.9s	pmax	pmax			ZEZ	Zeya		eS	eS	13 49 08.0
NJ2	comp=Z,740nm,5.4s	LR	LR			ZEZ	Zeya		pmax	pmax	
NJ2	comp=N,970nm,6.0s	LR	LR			ZEZ	Zeya		pmax	pmax	
NJ2	comp=E,1um,5.4s	LR	LR			ZEZ	Zeya		pmax	pmax	
NJ2	comp=Z,2um,5.9s	LR	LR			ZEZ	Zeya		pmax	pmax	
TATO	Taipei	9.98 234	ePn	13 41 45.2 -0.1		ZEZ	Zeya		pmax	pmax	
YHNB	Yeheng	10.26 233	ePn	13 41 48.2 -0.9		ZEZ	Zeya		pmax	pmax	
NACB	Ninganchiao	10.45 230	Pn	13 41 47.7 -3.7		ZEZ	Zeya		pmax	pmax	
DL2	Dalian	10.46 319	P	13 42 02.6 +2.7		ZEZ	Zeya		pmax	pmax	
DL2			pmax			ZEZ	Zeya		pmax	pmax	
SSLB	Suanglung	11.14 231	ePn	13 41 56.6 -3.9		CD2	Chengdu	22.75 276	P	P	13 44 12.8 -0.6
CBIJ	Chichi jima	11.14 109	Pn	13 42 02.4 +1.9		CD2	Chengdu		pP	pP	13 44 43.4 -1.5
JCJ	Chichijima	11.14 109	Pn	13 42 02.4 +1.9		CD2	Chengdu		sP	sP	13 45 04.9 -1.7
	comp=Z,19nm,0.3s, baz=265,slow=7,SNR=5.6	Pn	Pn	13 41 55.2 -5.9		CD2	Chengdu		sS	sS	13 48 08.5 -0.5
YULB	Yu-li	11.19 228	ePn	13 42 01.7 -6.6		CD2	Chengdu		pmax	pmax	
TPUB	Ta-pu	11.69 320	ePn	13 42 02.2 -5.3		CD2	Chengdu		pmax	pmax	
TWG	Pinlang	11.75 227	ePn	13 42 13.4 +1.1		CD2	Chengdu		pmax	pmax	
TIA	Tai'an	12.07 298	P	13 44 36.9 +2.0		CD2	Chengdu		pmax	pmax	
TIA			S			CD2	Chengdu		pmax	pmax	
TIA	comp=Z,30nm,1.2s	LR	LR			CD2	Chengdu		pmax	pmax	
TIA	comp=Z,310nm,6.1s	LR	LR			CD2	Chengdu		pmax	pmax	
TIA	comp=Z,780nm,10.7s	LR	LR			CD2	Chengdu		pmax	pmax	
TIA	comp=Z,730nm,11.4s	LR	LR			CD2	Chengdu		pmax	pmax	
OZH	Quanzhou	12.10 242	iP	13 42 14.3 +1.5		CD2	Chengdu		pmax	pmax	
OZH			S	13 44 26.9 -0.3		CD2	Chengdu		pmax	pmax	
OZH	comp=Z,140nm,1.8s	LR	LR			CD2	Chengdu		pmax	pmax	
OZH	comp=Z,960nm,6.6s	LR	LR			CD2	Chengdu		pmax	pmax	
OZH	comp=Z,460nm,6.6s	LR	LR			CD2	Chengdu		pmax	pmax	
JOM	Ohasama	12.15 44	P	13 42 14.5 +1.2		CD2	Chengdu		pmax	pmax	
USRK	Ussuriysk Ar.	13.02 5	Pn	13 42 26.1 +1.8		CD2	Chengdu		pmax	pmax	
	baz=177,slow=9.5	P	P	13 42 28.5 -1.2		CD2	Chengdu		pmax	pmax	
CN2	Changchun	13.14 344	iP	13 44 55.6 -2.6		CD2	Chengdu		pmax	pmax	
CN2			S			CD2	Chengdu		pmax	pmax	
CN2	comp=Z,160nm,0.7s	LR	LR			CD2	Chengdu		pmax	pmax	
CN2	comp=Z,1um,10.0s	LR	LR			CD2	Chengdu		pmax	pmax	
CN2	comp=Z,1um,10.0s	LR	LR			CD2	Chengdu		pmax	pmax	
CN2	comp=Z,700nm,12.0s	LR	LR			CD2	Chengdu		pmax	pmax	
MDJ	Mudanjiang	13.38 358	P	13 42 31.8 -0.6		CD2	Chengdu		pmax	pmax	
MDJ			sP	13 43 12.8		CD2	Chengdu		pmax	pmax	
MDJ			S	13 44 56.9 -0.6		CD2	Chengdu		pmax	pmax	
MDJ	comp=Z,13nm,1.0s	pmax	pmax			CD2	Chengdu		pmax	pmax	
MDJ	comp=Z,210nm,4.0s	pmax	pmax			CD2	Chengdu		pmax	pmax	
MDJ	Mudanjiang	13.38 358	eP	13 42 31.0 -1.4		CD2	Chengdu		pmax	pmax	
WHN	Wuhan	13.75 271	Pn	13 42 35.0 +1.4		CD2	Chengdu		pmax	pmax	
WHN			sP	13 43 22.4		CD2	Chengdu		pmax	pmax	
WHN			S	13 45 10.6 -1.1		CD2	Chengdu		pmax	pmax	
WHN	comp=Z,200nm,1.3s	pmax	pmax			CD2	Chengdu		pmax	pmax	
BJT	Baifajiatuu	14.47 311	ePn	13 42 41.1 -1.4		CD2	Chengdu		pmax	pmax	
BJT	Baifajiatuu	14.47 311	Pn	13 42 41.1 -1.4		CD2	Chengdu		pmax	pmax	
BJI	Beijing	14.47 311	P	13 42 43.1 +0.5		CD2	Chengdu		pmax	pmax	
BJI			S	13 45 27.3 -0.3		CD2	Chengdu		pmax	pmax	
BJI	comp=Z,500nm,9.1s	LR	LR			CD2	Chengdu		pmax	pmax	
BJI	comp=Z,530nm,10.5s	LR	LR			CD2	Chengdu		pmax	pmax	
BJI	comp=Z,200nm,29.7s	LR	LR			CD2	Chengdu		pmax	pmax	
TEY	Terne	14.64 18	eP	13 42 57.1 +1.1		CD2	Chengdu		pmax	pmax	
ASAJ	Asahikawa	16.10 33	P	13 43 00.9 -1.5		CD2	Chengdu		pmax	pmax	
ASAJ	comp=Z,6.8nm,0.3s, baz=209,slow=9.8,SNR=36	S	S	13 45 53.4 -7.4		CD2	Chengdu		pmax	pmax	
ASAJ	baz=3.9,slow=33,SNR=3.6	eP	P	13 43 00.9 -1.5		CD2	Chengdu		pmax	pmax	
ASAJ	comp=Z,53nm,0.8s	LR	LR	13 43 00.9 -1.5		CD2	Chengdu		pmax	pmax	
ASAJ	Taiyuan	16.11 299	eP	13 45 53.4 -7.4		CD2	Chengdu		pmax	pmax	
TIY			S	13 43 05.1 +2.3		CD2	Chengdu		pmax	pmax	
TIY	comp=Z,130nm,1.2s	pmax	pmax	13 46 04.1 +1.1		CD2	Chengdu		pmax	pmax	
TIY	comp=Z,650nm,3.6s	pmax	pmax			CD2	Chengdu		pmax	pmax	
TIY	comp=Z,450nm,8.4s	LR	LR			CD2	Chengdu		pmax	pmax	
TIY	comp=Z,300nm,6.5s	LR	LR			CD2	Chengdu		pmax	pmax	
GZH	Guangzhou	17.14 246	P	13 43 09.4 -4.7		CD2	Chengdu		pmax	pmax	
GZH			S	13 46 12.8 -1.1		CD2	Chengdu		pmax	pmax	
GZH	comp=Z,2um,4.0s	pmax	pmax			CD2	Chengdu		pmax	pmax	
MCO	Taipa Grande	17.50 243	P	13 43 19.0 -0.5		CD2	Chengdu		pmax	pmax	
HHC	Hu-ho-hao-te	17.93 308	eP	13 43 24.3 -0.3		CD2	Chengdu		pmax	pmax	
HHC			sP	13 44 12.3 -1.6		CD2	Chengdu		pmax	pmax	
HHC			S	13 46 34.5 -5.2		CD2	Chengdu		pmax	pmax	
HHC	comp=Z,95nm,1.3s	pmax	pmax			CD2	Chengdu		pmax	pmax	
HHC	comp=Z,200nm,2.6s	pmax	pmax			CD2	Chengdu		pmax	pmax	
ENH	Enshi	17.95 272	eP	13 43 24.4 -0.4		CD2	Chengdu		pmax	pmax	
ENH	comp=Z,1um,1.0s	Pn	Pn	13 43 24.4 -0.4		CD2	Chengdu		pmax	pmax	
KLR	Kul'dur	18.02 3	P	13 43 23.4 0.0		CD2	Chengdu		pmax	pmax	
KLR	comp=Z,1.5nm,0.3s, baz=184,slow=6.9,SNR=31	pP	pP	13 43 53.9 +1.4		CD2	Chengdu		pmax	pmax	
KLR	comp=Z,1.5nm,0.3s, baz=174,slow=9.1,SNR=6.6	P	P	13 43 23.3 -0.2		CD2	Chengdu		pmax	pmax	
KLR	Kul'dur	18.02 3	iP	13 43 26.5 +0.3		CD2	Chengdu		pmax	pmax	
XAN	Xi'an	18.25 285	P	13 43 38.0 +1.0		CD2	Chengdu		pmax	pmax	
XAN			pP			CD2	Chengdu		pmax	pmax	
XAN	comp=Z,120nm,2.2s	pmax	pmax			CD2	Chengdu		pmax	pmax	
XAN	comp=Z,480nm,5.5s	LR	LR			CD2	Chengdu		pmax	pmax	
XAN	comp=Z,280nm,9.8s	LR	LR			CD2	Chengdu		pmax	pmax	
XAN	comp=Z,620nm,11.8s	LR	LR			CD2	Chengdu		pmax	pmax	
XAN	comp=Z,470nm,12.7s	LR	LR			CD2	Chengdu		pmax	pmax	
YSS	Yuzh-Sakhalins	18.39 28	eP	13 43 28.9 -0.9		CD2	Chengdu		pmax	pmax	
YSS	comp=Z,81nm,1.4s	Pn	Pn	13 43 31.2 +1.5		CD2	Chengdu		pmax	pmax	

Table with columns for station name, frequency, power, and other technical details. Includes stations like PSI Prapat, KMMI Kaliangert, KCSI Kotacane, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like KKAR Karatay Array, HYB Hyderabad, FITZ Fitzroy Crossi, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like DZM Mont Dzumak, BIDO Bidbid, INK Inuvik, etc.

ANN	Anapa	70.65 311 <i>e</i>	P	13 50 22.2	-0.3
ANN		e ^{PP}	P	13 51 04.5	+0.6
ANN		e ^S	P	13 59 20.5	-1.8
ANN		pmax	P		
KONS	Konvik	71.61 338 <i>e</i>	P	13 50 27.7	-0.2
NACGM	Naroch	72.23 324 <i>e</i>	P	13 50 31.0	-0.8
SIM	Simferopol'	72.70 312 <i>e</i>	P	13 50 35.5	+0.7
SIM		pmax	P		
AKASG	Malin Aray B	72.95 319 <i>e</i>	P	13 50 35.8	-0.3
AKASG		comp=Z.28nm,0.4s,baz=53,slow=6.2,SNR=123	P		
AKASG	Malin Aray B	72.95 319 <i>e</i>	P	13 51 17.6	-0.2
AKASG		comp=Z.4.6nm,0.6s,baz=54,slow=6.0,SNR=1.9	P		
AKASG	Malin Aray B	72.95 319 <i>e</i>	P	13 50 35.8	-0.3
AKASG		*PP	P	13 51 17.6	-0.2
AKASG		pmax	P		
AKASG		pmax	P		
KIEV	Kiev	72.97 319 <i>e</i>	P	13 50 34.8	-1.4
KIEV		comp=Z.91nm,1.0s	P		
KIEV	Kiev	72.97 319 <i>e</i>	P	13 50 35.7	-0.5
KIEV		SNR=20	P		
KIEV	Kiev	72.97 319 <i>e</i>	P	13 50 34.6	-1.6
KIEV		pmax	P		
KIEV		pmax	P		
SLIT	Slitere, Latvi	73.02 328 <i>e</i>	IAMB	13 50 35.8	-0.6
SLIT		IAMB	P	13 50 36.2	
NSS	Namsos	73.19 337 <i>e</i>	P	13 50 36.5	-0.7
YKA	Yellowknife Ar	73.24 26 <i>e</i>	P	13 50 38.7	+0.7
YKA		comp=Z.3.8nm,0.6s,baz=304,slow=5.7,SNR=18	P		
RAYN	Ar Rayn	74.00 288 <i>e</i>	P	13 51 19.7	+0.4
RAYN		comp=Z.4.7nm,0.8s,baz=302,slow=5.8,SNR=5.3	P		
RAYN	Ar Rayn	74.00 288 <i>e</i>	P	13 50 42.7	-0.2
RAYN		comp=Z.115nm,1.1s	P		
RAYN	Ar Rayn	74.00 288 <i>e</i>	P	13 50 43.2	+0.4
RAYN		SNR=73	P		
RAYN	Ar Rayn	74.00 288 <i>e</i>	P	13 50 42.7	-0.2
RAYN		pmax	P		
RAYN		pmax	P		
KULLO	Kullorsuaq	74.35 21 <i>e</i>	P	13 50 43.7	-0.1
KULLO		comp=Z.46nm,0.7s	P		
KULLO	Kullorsuaq	74.35 21 <i>e</i>	P	13 50 43.7	-0.1
KULLO		pmax	P		
SUW	Suwalki	74.50 324 <i>e</i>	P	13 50 44.9	-0.1
SUW		comp=Z.46nm,0.7s	P		
SUW	Suwalki	74.50 324 <i>e</i>	P	13 50 44.5	-0.6
SUW		comp=Z.255nm,1.1s	P		
SUW	Suwalki	74.50 324 <i>e</i>	P	13 50 44.9	-0.1
SUW		comp=Z.74nm,1.0s	P		
KIS	Kishinev	74.99 316 <i>e</i>	P	13 50 47.5	-0.5
KIS		XM	P	13 50 48.5	
KIS	Kishinev	74.99 316 <i>e</i>	P	13 50 47.5	-0.5
KIS		pmax	P		
KIS		pmax	P		
NC405	NORSAR Array S	75.42 334 <i>e</i>	P	13 50 49.3	-1.0
BR131	Keakin Array S	75.44 308 <i>e</i>	P	13 50 50.6	-0.4
BR131	Keakin Array S	75.44 308 <i>e</i>	P	13 50 51.2	+0.2
BR131		SNR=66	P		
BRTR	Keakin Array B	75.44 308 <i>e</i>	P	13 50 51.0	+0.1
NC303	NORSAR Array S	75.48 334 <i>e</i>	P	13 50 49.5	-1.1
NC303		comp=Z.74nm,0.9s,baz=97,slow=5.0,SNR=216	P		
NB201	NORSAR Array S	75.62 334 <i>e</i>	P	13 50 50.2	-1.2
NB2	NORSAR Subarra	75.66 334 <i>e</i>	P	13 50 50.7	-0.9
NB2		comp=Z.27nm,0.6s,baz=50,slow=5.9	P		
NB2		baz=50,slow=5.9	P		
NOA	NORSAR Array B	75.66 334 <i>e</i>	P	13 50 50.4	-1.2
NOA		comp=Z.2.1nm,0.6s,baz=49,slow=5.6,SNR=100	P		
NOA		pmax	P		
NOA		pmax	P		
NOA		comp=Z.5.3nm,0.8s,baz=50,slow=5.7,SNR=2.9	P		
NOA		LR	P	14 27 13.4	
NC204	NORSAR Array S	75.67 334 <i>e</i>	P	13 50 50.6	-1.1
NC602	NORSAR Array S	75.73 334 <i>e</i>	P	13 50 50.5	-1.5
NC602		comp=Z.58nm,1.2s	P		
NB000	NORSAR Array S	75.73 334 <i>e</i>	P	13 50 51.4	-1.2
NB000		comp=Z.2.1nm,0.6s,baz=49,slow=5.6,SNR=100	P		
TLCR	NORSAR Array S	75.89 314 <i>e</i>	P	13 50 53.6	+0.4
NA001	NORSAR Array S	75.91 334 <i>e</i>	P	13 50 51.7	-1.4
ANTO	Ankara	75.94 308 <i>e</i>	P	13 50 53.7	0.0
ANTO		comp=Z.95nm,1.1s	P		
ANTO	Ankara	75.94 308 <i>e</i>	P	13 50 53.8	+0.1
ANTO		comp=Z.5.9nm,1.0s,baz=50,slow=5.7,SNR=2.9	P		
ANTO	Ankara	75.94 308 <i>e</i>	P	13 50 54.2	+0.4
ANTO		SNR=19	P		
ANTO	Ankara	75.94 308 <i>e</i>	P	13 50 53.7	0.0
ANTO		pmax	P		
ANTO		pmax	P		
MOL	Molde	75.97 336 <i>e</i>	P	13 50 53.4	0.0
SUMG	Summit	76.19 357 <i>e</i>	P	13 50 55.2	+0.3
SUMG		comp=Z.85nm,0.7s	P		
SUMG	Summit	76.19 357 <i>e</i>	P	13 50 55.8	+0.9
SUMG		comp=Z.217nm,0.8s	P		
SUMG	Summit	76.19 357 <i>e</i>	P	13 50 55.8	+0.9
SUMG		pmax	P		
SUMG		pmax	P		
LVV	L'vov	76.28 320 <i>e</i>	P	13 50 55.8	+0.5
AKN	Aknes	76.43 336 <i>e</i>	P	13 50 57.1	+1.1
OSL	Oslo	76.55 333 <i>e</i>	P	13 50 56.2	-0.4
BIZ	Bicaz	76.62 317 <i>e</i>	P	13 50 58.0	+0.7
SCO	Scoresbysund	76.65 351 <i>e</i>	P	13 50 57.4	+0.5
SCO		comp=Z.64nm,1.2s	P		
SCO	Scoresbysund	76.65 351 <i>e</i>	P	13 50 57.5	+0.5
SCO		pmax	P		
SCO		pmax	P		
LLL	Lilloet	76.65 39 <i>e</i>	P	13 50 58.6	+1.2
LLL		e ^{PP}	P	13 51 39.4	-0.1
TLB	Topalu	76.67 314 <i>e</i>	P	13 50 58.3	+0.7
HARR	Harsova	76.69 314 <i>e</i>	P	13 50 58.2	+0.5
ASF	Jabal al Asfar	76.71 300 <i>e</i>	P	13 50 58.9	+0.7
ASF		comp=Z.17nm,0.9s,baz=17,slow=2.2,SNR=31	P		
BUR08	Bucovina Ar. S	76.77 318 <i>e</i>	P	13 50 58.4	+0.1
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Aray	76.78 318 <i>e</i>	P	13 50 58.9	+0.6
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Ar. S	76.78 318 <i>e</i>	P	13 50 58.3	0.0
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Aray	76.78 318 <i>e</i>	P	13 50 58.9	+0.5
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Ar. S	76.78 318 <i>e</i>	P	13 50 58.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Aray	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Ar. S	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Aray	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Ar. S	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Aray	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Ar. S	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Aray	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Ar. S	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Aray	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Ar. S	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Aray	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Ar. S	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Aray	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Ar. S	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Aray	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Ar. S	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Aray	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Ar. S	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Aray	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Ar. S	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Aray	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Ar. S	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Aray	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Ar. S	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Aray	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Ar. S	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Aray	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Ar. S	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Aray	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Ar. S	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Aray	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Ar. S	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Aray	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Ar. S	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Aray	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Ar. S	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Aray	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Ar. S	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Aray	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Ar. S	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Aray	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Ar. S	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Aray	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Ar. S	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Aray	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Ar. S	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08	Bucovina Aray	76.78 318 <i>e</i>	P	13 50 59.4	+0.7
BUR08		comp=Z.58nm,1.2s	P		
BUR08					

Table with columns: Station Name, Frequency, Power, Modulation, and Signal Quality. Includes stations like Kaiserville, Ofenpass-Fuorn, Mina Array Sit, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and Signal Quality. Includes stations like Wupatki, Wickenburg, Snowmass, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and Signal Quality. Includes stations like Flagon Creek P, Westgroedoches, Nacbrog Farm, etc.

W48A	Pulaski	20.14	18	P	Pn	13 54 26.2	-1.4
HHAR	Hobbs	20.18	1	eP	P	13 54 24.7	-0.6
Y53A	Monroe	20.20	27	P	P	13 54 24.6	-1.0
U39A	Green Forest	20.29	2	P	P	13 54 25.7	-0.8
U40A	Yellville	20.29	3	P	P	13 54 25.8	-0.7
W49A	Belvidere	20.33	19	P	P	13 54 25.6	-1.3
U41A	Viola	20.35	5	P	P	13 54 25.6	-1.5
U42A	Reverden	20.43	7	P	P	13 54 26.0	-2.0
V46A	Holladay	20.45	14	P	P	13 54 26.0	-2.2
121A	Cookes Peak, D	20.50	326	P	Pn	13 54 31.7	-0.2
319A	Douglas	20.51	321	eP	P	13 54 31.3	+2.2
SWET	Sewanee	20.52	20	opP	pP	13 54 47.7	+0.8
V47A	Nunnely	20.62	16	P	P	13 54 28.1	-2.0
W50A	Signal Mountai	20.72	21	eP	pP	13 54 49.8	+0.8
W50A	Signal Mountai	20.72	21	P	P	13 54 48.6	-2.5
X52A	Dahlonega	20.72	25	P	P	13 54 31.5	+0.3
V48A	Smith Brothers	20.73	17	eP	pP	13 54 29.3	+0.4
V48A	Smith Brothers	20.73	17	P	P	13 54 29.3	-2.0
WVT	Waverly	20.83	15	P	P	13 54 30.4	-2.0
X53A	Estanolee	20.88	26	P	Pn	13 54 34.1	-2.1
T38A	Diamond	20.93	360	P	P	13 54 32.7	-0.6
T39A	Cleveland	20.93	2	P	P	13 54 33.7	+0.3
PBMO	Poplar Bluff	20.95	9	eP	pP	13 54 31.6	-2.0
PBMO	Poplar Bluff	20.95	9	eP	pP	13 54 51.9	+0.4
V49A	McMinnville	21.04	19	P	P	13 54 33.4	-1.1
T41A	Mountain View	21.05	6	P	P	13 54 33.2	-1.5
T40A	Mansfield	21.10	4	P	P	13 54 33.9	-1.3
T42A	Van Buren	21.11	7	eP	P	13 54 35.0	-0.3
T42A	Van Buren	21.11	7	P	P	13 54 34.1	-1.3
W52A	Murphy	21.13	24	opP	pP	13 54 54.3	+0.8
BNN	Barren Site	21.20	331	eP	P	13 54 38.7	+2.2
V50A	Pikeville	21.21	21	P	P	13 54 34.8	-1.7
CPCT	Cooper Cave	21.22	22	eP	pP	13 54 36.4	-0.1
CPCT	Cooper Cave	21.22	22	eP	pP	13 54 55.0	+0.5
T43A	Greenville	21.27	9	P	P	13 54 35.2	-1.9
LPM	Los Pinos Moun	21.33	331	eP	P	13 54 39.4	+1.5
LENM	Lemitar	21.37	330	eP	P	13 54 40.8	+2.4
BG3	Lake Jocassee	21.45	26	eP	P	13 54 39.3	+0.3
W53A	Cullowhee	21.51	26	P	P	13 54 37.9	-1.8
S38A	Stockton	21.52	1	P	P	13 54 38.3	-1.4
S41A	Jilco Farms,	21.59	5	P	P	13 54 39.3	-1.2
S39A	Bolivar	21.60	2	eP	P	13 54 38.6	-1.9
S39A	Bolivar	21.60	2	P	P	13 54 38.9	-1.7
T46A	Princeton	21.69	14	P	P	13 54 39.2	-2.2
TKL	Tuckahee C	21.69	24	P	P	13 54 40.4	-1.1
U49A	Red Boiling Sp	21.76	19	P	P	13 54 39.3	-2.9
ANMO	Albuquerque	21.78	332	P	P	13 54 44.4	+1.7
ANMO	Albuquerque	21.78	332	eP	P	13 54 44.0	+1.3
ANMO	Albuquerque	21.78	332	P	P	13 54 44.3	+1.6
S43A	Fulton Ridge,	21.78	9	P	P	13 54 39.8	-2.7
T47A	Sharon Grove	21.83	16	P	P	13 54 40.4	-2.5
S42A	Caledonia	21.88	7	P	P	13 54 40.9	-2.6
V52A	Sevierville	21.92	24	P	P	13 54 42.1	-1.9
U50A	Jamesstown	21.98	21	P	P	13 54 42.3	-2.3
S44A	Carbondale	22.04	11	P	P	13 54 43.5	-1.6
SIUC	Southern Illin	22.06	11	eP	P	13 54 43.4	-2.0
TUC	Tucson	22.08	320	eP	P	13 54 47.6	+1.8
TUC	Tucson	22.08	320	P	P	13 54 48.3	+2.6
V53A	Saluda	22.08	26	eP	P	13 54 45.2	-0.6
V53A	Saluda	22.08	26	P	P	13 54 44.3	-1.5
CCM	Cathedral Cave	22.11	6	eP	P	13 54 44.3	-2.6
CCM	Cathedral Cave	22.11	6	P	P	13 54 44.3	-1.7
U51A	La Follette	22.23	22	P	P	13 54 44.8	-2.5
KM5C	Kings Mountain	22.29	29	P	P	13 54 45.5	-2.4
R41A	Rosebud	22.33	6	P	P	13 54 46.2	-2.1
R42A	Luebbering	22.38	7	P	P	13 54 46.6	-2.3
T49A	Edmonton	22.38	19	P	P	13 54 46.6	-2.3
U52A	Thorn Hill	22.49	24	P	P	13 54 47.8	-2.2
R43A	Red Bud	22.49	9	P	P	13 54 48.0	-2.0
T50A	Nancy	22.53	20	P	P	13 54 47.8	-2.6
TZTN	Tazewell	22.55	23	P	P	13 54 49.0	-1.7
R44A	Waltonville	22.61	11	P	P	13 54 49.5	-1.6
S48A	Wiedeman Farm,	22.74	17	P	P	13 54 50.2	-2.3
T51A	Gray	22.78	22	P	P	13 54 51.6	-1.4
Q38A	Cooks Store, C	22.86	1	P	P	13 54 52.0	-1.7
T25A	Trinidad	22.87	339	eP	P	13 54 55.5	+1.4
T25A	Trinidad	22.87	339	P	P	13 54 55.6	+1.5
Q41A	Truxton	23.00	6	P	P	13 54 52.8	-2.3
Q42A	Golden Eagle	23.04	7	P	P	13 54 53.5	-2.0
K5U1	Kansas State U	23.08	355	eP	P	13 54 55.4	+0.5
K5U1	Kansas State U	23.08	355	P	P	13 54 54.7	-1.2
S49A	Springfield	23.09	18	P	P	13 54 51.0	-5.0
214A	Organ Pipe Nat	23.14	317	P	P	13 54 59.2	+2.6
Q43A	New Douglas	23.18	9	P	P	13 54 54.4	-2.5
X18A	Snowflake	23.19	326	eP	P	13 54 57.6	+0.4
CBK5	Cedar Bluff	23.20	349	eP	P	13 54 56.2	-0.9
CBK5	Cedar Bluff	23.20	349	P	P	13 54 56.6	-0.6
WCI	Wyandotte Cave	23.21	16	eP	P	13 54 55.5	-1.7
WCI	Wyandotte Cave	23.21	16	P	P	13 54 55.3	-1.9

R47A	Wooly Knot Far	23.21	16	P	P	13 54 54.6	-2.6
Q44A	Meyer Farm, Va	23.25	10	P	P	13 54 55.3	-2.2
T52A	Hall	23.26	23	P	P	13 54 55.6	-2.1
S50A	Richmond	23.27	20	P	P	13 54 55.6	-2.1
Q45A	Warren Harvey,	23.41	12	P	P	13 54 56.6	-2.4
S51A	Beattyville	23.51	22	P	P	13 54 57.6	-2.3
R49A	Shelbyville	23.59	18	P	P	13 54 58.1	-2.5
P42A	Winchester	23.72	8	P	P	13 54 59.9	-1.9
P41A	Barry, Barry	23.73	6	P	P	13 55 00.3	-1.6
SDCO	Great Sand Dun	23.80	338	eP	P	13 55 04.1	+1.3
SDCO	Great Sand Dun	23.80	338	P	P	13 55 04.3	+1.5
X16A	Lo Mis Camp, P	23.94	323	eP	P	13 55 05.0	+1.0
X16A	Lo Mis Camp, P	23.94	323	eP	P	13 55 06.1	+2.2
Q48A	North Vernon	24.02	17	eP	pP	13 55 26.3	-2.2
K5CO	Key Shedlock'	24.04	344	P	P	13 55 04.4	-0.4
P45A	Graceland, Par	24.10	12	eP	pP	13 55 03.4	-1.8
P45A	Graceland, Par	24.10	12	P	P	13 55 24.5	-0.8
P45A	Graceland, Par	24.10	12	P	P	13 55 02.9	-2.3
R51A	Hillsboro	24.11	21	P	P	13 55 04.3	-1.6
SDV	Santo Domingo	24.14	104	P	P	13 55 06.7	+0.7
O41A	Passleys Farm,	24.18	6	P	P	13 55 04.2	-1.7
P46A	Rosedale	24.30	13	P	P	13 55 05.3	-1.7
S22A	Alur Ranch, Cre	24.31	335	P	P	13 55 08.6	+1.2
Y14A	Wickenburg	24.55	320	eP	P	13 55 11.8	+2.5
MVCO	Mesa Verde	24.57	332	eP	P	13 55 11.3	+1.5
MVCO	Mesa Verde	24.57	332	P	P	13 55 10.6	+0.8
P48A	Milroy	24.60	17	P	P	13 55 07.5	-2.2
WU4Z	Wupatki	24.70	325	eP	P	13 55 12.4	+1.6
WU4Z	Wupatki	24.70	325	P	P	13 55 12.0	+1.1
Q24A	Divide	24.76	339	P	P	13 55 11.3	-0.3
N39A	Derby Farms, D	24.81	3	eP	P	13 55 10.2	-1.4
N39A	Derby Farms, D	24.81	3	P	P	13 55 10.2	-1.4
Q51A	Peebles	24.84	21	P	P	13 55 10.7	-1.2
P49A	Miami Univ. Ec	24.87	18	P	P	13 55 10.3	-1.8
N40A	Mertquake, Sal	24.88	5	P	P	13 55 11.7	-0.6
Q52A	Bidwell	25.16	22	P	P	13 55 12.7	-2.1
P50A	Jamestown	25.22	19	P	P	13 55 13.0	-2.3
PV01	Paradox Valley	25.37	333	eP	P	13 55 18.7	+1.7
M40A	Post Highland	25.41	5	P	P	13 55 15.7	-1.2
M39A	Webster	25.43	4	P	P	13 55 15.7	-1.5
M41A	Milan	25.47	7	P	P	13 55 16.0	-1.6
PDMCI	Parker Dam, Lak	25.50	319	P	P	13 55 20.0	+2.1
PV13	Radium Mtn., P	25.50	333	eP	P	13 55 19.1	+0.9
PV02	Paradox Valley	25.50	333	eP	P	13 55 19.0	+0.8
O49A	Covington	25.59	18	P	P	13 55 16.4	-2.2
PV03	Paradox Valley	25.59	333	eP	P	13 55 20.0	+1.0
SMCO	Snowmass	25.61	337	eP	P	13 55 19.8	+0.5
SMCO	Snowmass	25.61	337	eP	pP	13 55 41.2	+1.3
PV18	Skein Mesa, Pa	25.61	333	eP	P	13 55 20.2	+1.1
PV12	Saucer Basin,	25.62	333	eP	P	13 55 20.6	+1.3
PV11	David Mesa, Pa	25.64	333	eP	P	13 55 20.5	+1.1
PV17	East Wray Mesa	25.66	333	eP	P	13 55 20.0	+0.4
PV16	Nyswonger Mesa	25.67	333	eP	P	13 55 21.0	+1.3
ISCO	Idaho Springs	25.67	340	P	P	13 55 20.2	+0.4
OGNE	Ogallala	25.72	346	eP	P	13 55 20.8	+0.8
OGNE	Ogallala	25.72	346	P	P	13 55 19.7	-0.3
M43A	Waltham Townsh	25.74	9	P	P	13 55 19.0	-1.0
O50A	Cable	25.77	19	P	P	13 55 18.1	-2.2
PV22	Blue Mesa, Par	25.80	333	eP	P	13 55 22.3	+1.4
P52A	Corning	25.80	22	P	P	13 55 18.8	-1.8
SCIA	State Center	25.81	2	eP	P	13 55 19.8	-0.9
SCIA	State Center	25.81	2	P	P	13 55 19.4	-1.3
PV23	Carpenter Ridg	25.83	333	eP	P	13 55 22.4	+1.3
U15A	North Rim	25.87	325	eP	P	13 55 23.6	+2.0
PV21	Cone Mtn., Par	25.90	333	eP	P	13 55 23.5	+1.7
BC3	Big Chuckwall	25.93	316	P	P	13 55 24.5	+2.5
N48A	Decatur	26.01	16	P	P	13 55 19.9	-2.6
IRM	Iron Mountain	26.04	318	P	P	13 55 24.9	+1.9
L40A	Anamosa	26.08	5	eP	pP	13 55 21.3	-1.8
L40A	Anamosa	26.08	5	P	P	13 55 21.0	-2.1
L41A	Preston	26.16	6	P	P	13 55 21.3	-2.5
O52A	Adamsville	26.34	22	P	P	13 55 23.6	-1.8
K36A	Gilmore City	26.52	360	P	P	13 55 25.2	-1.9
PFO	Pinyon Flats O	26.58	315	P	P	13 55 29.1	+1.2
KNB	Kanal	26.59	325	eP	P	13 55 29.7	+1.7
K39A	Olweine	26.67	4	P	P	13 55 26.0	-2.4
M48A	Edmonton	26.68	16	P	P	13 55 25.8	-2.7
K41A	Shullsburg	26.71	7	P	P	13 55 27.1	-1.7
K40A	Colesburg	26.72	5	P	P	13 55 27.1	-1.7
GMRC	Granite Mounta	26.77	318	P	P	13 55 31.8	+2.3
JFWS	Jewell Farm	27.02	7	eP	P	13 55 29.8	-1.8
JFWS	Jewell Farm	27.02	7	P	P	13 55 29.9	-1.7
SZCU	Shurtz Canyon	27.16	326	eP	P	13 55 35.1	

baz=314,slow=76,SNR=58
H1S2 WAKE ISLAND Hy 29.28 122 T 14 52 21.3
 baz=314,slow=76,SNR=37
WRA Warramunga Arr 56.76 187 P 14 25 30.5 +1.4
 0.4m,0.8s,baaz=1.8,slow=7.5,SNR=5.7
ASAR Alice Springs 60.49 187 P 14 25 55.5 +0.5
 0.3m,0.9s,baaz=354,slow=4.6,SNR=5.7

KRSC 16 14:52:07.0 ± 1.8, 48°25'N x 155°78'E, h88km, 38km, ML3.7, Kurii Islands

Code	Station Name	Δ°	AZ°	Op	Phase	ID	Time	Res
SKR	Severo-Kurii's	2.45	5	P	S	Pn	14 52 46.4	+1.3
SKR				S			14 53 15.9	+1.7
PAU	Pauzhetka	3.29	11	S			14 53 38.4	+3.9
KDTR	Khodutka, Kamc	3.86	22	P			14 53 06.4	+2.3
KDTR				S			14 53 50.8	+2.5
ASAK	Asacha	4.36	17	eP			14 53 14.1	+3.2
RUS	Russkaya	4.54	22	P			14 53 15.3	+2.0
RUS				S			14 54 06.4	+1.6
AVH	Avacha	5.36	19	P			14 53 29.3	+4.7
KOK	Koryaka	5.37	19	P			14 53 27.5	+2.9
SDLR	Sedlovina	5.41	20	eP			14 53 27.6	+2.4
GNL	Ganalay	5.62	13	P			14 53 30.4	+2.3

BUI 16 15:10:56.5, 39°60'N, 15°60'E, h260km, mb4.4/24, mB4.6/14
 ROM 16 15:10:57.8, 0.1, 39.670N, 0.006:15.74E:0.01,
 h276km, 1km, ML4.6/110
LDG 16 15:10:57.9, 0.1, 39.68N, 15°52'E, h277km, MI3.8/17, Error
 ellipse: s-maj=5.0km s-min=2.3km az=41.0
PDG 16 15:10:58.0, 0.9, 39.77N, 15.74E, h269km, 1km, ML4.7/12,
 Error ellipse: s-maj=0.6km s-min=0.7km az=0.0
ISCJB 16 15:10:58.0, 0.1, 39.72N, 0°01':15.59E:0.01, h271km,
 mb4.8/228, Error ellipse: s-maj=1.8km s-min=1.3km
 az=15.2
IDC 16 15:10:59.3, 0.5, 39.80N, 15°52'E, h267km, 4km, mb4.0/27,
 mb1.4/242, mb1mx4.2/45, mb1mp4.7/42, Error ellipse:
 s-maj=7.5km s-min=3.1km az=137.0
MOS 16 15:10:59.0, 0.9, 39.75N, 15°59'E, h274km, mb4.8/44, Error
 ellipse: s-maj=4.6km s-min=3.1km az=77.1
CRAAG 16 15:10:59.0, 39.74N, 15.61E, mb4.8
NEIC 16 15:10:59.1, 0.1, 39.76N, 15.53E, mb4.9/191,
 ML4.6(ROM), Error ellipse: s-maj=2.4km s-min=1.4km
 az=15.0
ISC 16 15:10:59.3, 0.3, 39.77N, 0°03':15.63E:0.03, h266km, 2km,
 h266km: p-P, n1487, r12/1598, mb4.8/229, 65C-39D,

Southern Italy

Code	Station Name	Δ°	AZ°	Op	Phase	ID	Time	Res
CUC	Castrocuoco	0.27	32	ePn			15 11 33.9	+0.4
CUC	Castrocuoco	0.27	32	P			15 11 34.0	+0.4
CUC				S			15 12 00.3	-0.3
CUC	comp=E, 7175µm, 0.7s			AML	AML			
CUC	comp=N, 4780µm, 1.2s			AML	AML			
CUC	comp=E, 8335µm, 0.7s			AML	AML			
CUC	comp=N, 5650µm, 1.2s			AML	AML			
CUC	comp=E, 7175µm, 0.7s			AML	AML			
CUC	comp=N, 4780µm, 1.2s			AML	AML			
CUC	comp=E, 8335µm, 0.7s			AML	AML			
CUC	comp=N, 5650µm, 1.2s			AML	AML			
CUC	comp=N, 5650µm, 1.2s			AML	AML			
CUC	comp=N, 4780µm, 1.2s			AML	AML			
CUC	comp=E, 8335µm, 0.7s			AML	AML			
CUC	comp=E, 7175µm, 0.7s			AML	AML			
MMN	Mormanno	0.30	66	P		Pn	15 11 34.0	+0.5
MMN				AML	AML			
MMN	comp=E, 2740µm, 0.8s			AML	AML			
MMN	comp=N, 2510µm, 1.1s			AML	AML			
MMN	comp=E, 2740µm, 0.8s			AML	AML			
MMN	comp=N, 2510µm, 1.1s			AML	AML			
MMN	comp=E, 2740µm, 0.8s			AML	AML			
MMN	comp=N, 2510µm, 1.1s			AML	AML			
CET2	Cetraro	0.34	133	P		Pn	15 11 33.8	0.0
CET2				S			15 11 59.6	-1.3
CET2				AML	AML			
CET2	comp=E, 48100µm, 0.8s			AML	AML			
BULG	Bulgheria - Ca	0.37	328	P		Pn	15 11 34.7	+1.0
BULG				S			15 12 01.6	+0.6
BULG				AML	AML			
BULG	comp=E, 4185µm, 0.4s			AML	AML			
BULG	comp=N, 7800µm, 0.4s			AML	AML			
BULG	comp=E, 4805µm, 1.5s			AML	AML			
BULG	comp=N, 8105µm, 0.3s			AML	AML			
BULG	comp=E, 6055µm, 1.5s			AML	AML			
BULG	comp=N, 7795µm, 0.4s			AML	AML			
BULG	comp=E, 6205µm, 1.5s			AML	AML			
BULG	comp=N, 8105µm, 0.3s			AML	AML			
BULG	comp=E, 6055µm, 1.5s			AML	AML			
BULG	comp=N, 7800µm, 0.4s			AML	AML			
BULG	comp=E, 6205µm, 1.5s			AML	AML			
BULG	comp=N, 8105µm, 0.3s			AML	AML			
BULG	comp=N, 7800µm, 0.4s			AML	AML			
BULG	comp=E, 6205µm, 1.5s			AML	AML			
BULG	comp=N, 8105µm, 0.3s			AML	AML			
BULG	comp=N, 7800µm, 0.4s			AML	AML			
BULG	comp=E, 6205µm, 1.5s			AML	AML			
BULG	comp=N, 8105µm, 0.3s			AML	AML			
BULG	comp=N, 7800µm, 0.4s			AML	AML			
BULG	comp=E, 6205µm, 1.5s			AML	AML			
BULG	comp=N, 8105µm, 0.3s			AML	AML			
BULG	comp=N, 7800µm, 0.4s			AML	AML			
BULG	comp=E, 6205µm, 1.5s			AML	AML			
BULG	comp=N, 8105µm, 0.3s			AML	AML			
BULG	comp=N, 7800µm, 0.4s			AML	AML			
BULG	comp=E, 6205µm, 1.5s			AML	AML			
BULG	comp=N, 8105µm, 0.3s			AML	AML			
BULG	comp=N, 7800µm, 0.4s			AML	AML			
BULG	comp=E, 6205µm, 1.5s			AML	AML			
BULG	comp=N, 8105µm, 0.3s			AML	AML			
BULG	comp=N, 7800µm, 0.4s			AML	AML			
BULG	comp=E, 6205µm, 1.5s			AML	AML			
BULG	comp=N, 8105µm, 0.3s			AML	AML			
BULG	comp=N, 7800µm, 0.4s			AML	AML			
BULG	comp=E, 6205µm, 1.5s			AML	AML			
BULG	comp=N, 8105µm, 0.3s			AML	AML			
BULG	comp=N, 7800µm, 0.4s			AML	AML			
BULG	comp=E, 6205µm, 1.5s			AML	AML			
BULG	comp=N, 8105µm, 0.3s			AML	AML			
BULG	comp=N, 7800µm, 0.4s			AML	AML			
BULG	comp=E, 6205µm, 1.5s			AML	AML			
BULG	comp=N, 8105µm, 0.3s			AML	AML			
BULG	comp=N, 7800µm, 0.4s			AML	AML			
BULG	comp=E, 6205µm, 1.5s			AML	AML			
BULG	comp=N, 8105µm, 0.3s			AML	AML			
BULG	comp=N, 7800µm, 0.4s			AML	AML			
BULG	comp=E, 6205µm, 1.5s			AML	AML			
BULG	comp=N, 8105µm, 0.3s			AML	AML			
BULG	comp=N, 7800µm, 0.4s			AML	AML			
BULG	comp=E, 6205µm, 1.5s			AML	AML			
BULG	comp=N, 8105µm, 0.3s			AML	AML			
BULG	comp=N, 7800µm, 0.4s			AML	AML			
BULG	comp=E, 6205µm, 1.5s			AML	AML			
BULG	comp=N, 8105µm, 0.3s			AML	AML			
BULG	comp=N, 7800µm, 0.4s			AML	AML			
BULG	comp=E, 6205µm, 1.5s			AML	AML			
BULG	comp=N, 8105µm, 0.3s			AML	AML			
BULG	comp=N, 7800µm, 0.4s			AML	AML			
BULG	comp=E, 6205µm, 1.5s			AML	AML			
BULG	comp=N, 8105µm, 0.3s			AML	AML			
BULG	comp=N, 7800µm, 0.4s			AML	AML			
BULG	comp=E, 6205µm, 1.5s			AML	AML			
BULG	comp=N, 8105µm, 0.3s			AML	AML			
BULG	comp=N, 7800µm, 0.4s			AML	AML			
BULG	comp=E, 6205µm, 1.5s			AML	AML			
BULG	comp=N, 8105µm, 0.3s			AML	AML			
BULG	comp=N, 7800µm, 0.4s			AML	AML			
BULG	comp=E, 6205µm, 1.5s			AML	AML			
BULG	comp=N, 8105µm, 0.3s			AML	AML			
BULG	comp=N, 7800µm, 0.4s			AML	AML			
BULG	comp=E, 6205µm, 1.5s			AML	AML			
BULG	comp=N, 8105µm, 0.3s			AML	AML			
BULG	comp=N, 7800µm, 0.4s			AML	AML			
BULG	comp=E, 6205µm, 1.5s			AML	AML			
BULG	comp=N, 8105µm, 0.3s			AML	AML			
BULG	comp=N, 7800µm, 0.4s			AML	AML			
BULG	comp=E, 6205µm, 1.5s			AML	AML			
BULG	comp=N, 8105µm, 0.3s			AML	AML			
BULG	comp=N, 7800µm, 0.4s			AML	AML			
BULG	comp=E, 6205µm, 1.5s			AML	AML			
BULG	comp=N, 8105µm, 0.3s			AML	AML			
BULG	comp=N, 7800µm, 0.4s			AML	AML			
BULG	comp=E, 6205µm, 1.5s			AML	AML			
BULG	comp=N, 8105µm, 0.3s			AML	AML			
BULG	comp=N, 7800µm, 0.4s			AML	AML			
BULG	comp=E, 6205µm, 1.5s			AML	AML			
BULG	comp=N, 8105µm, 0.3s			AML	AML			
BULG	comp=N, 7800µm, 0.4s			AML	AML			
BULG	comp=E, 6205µm, 1.5s			AML	AML			
BULG	comp=N, 8105µm, 0.3s			AML	AML			
BULG	comp=N, 7800µm, 0.4s			AML	AML			
BULG	comp=E, 6205µm, 1.5s			AML	AML			
BULG	comp=N, 8105µm, 0.3s			AML	AML			
BULG	comp=N, 7800µm, 0.4s			AML	AML			
BULG	comp=E, 6205µm, 1.5s			AML	AML			
BULG	comp=N, 8105µm, 0.3s			AML	AML			
BULG	comp=N, 7800µm, 0.4s			AML	AML			
BULG	comp=E, 6205µm, 1.5s			AML	AML			
BULG	comp=N, 8105µm, 0.3s			AML	AML			
BULG	comp=N, 7800µm, 0.4s			AML				

DRGR	8.71	34	iP	Pn	15 13 03.3 +1.8
LPL	8.72	314	ePn	S	15 13 03.5 +1.8
LPL			eSn	S	15 14 38.6 -2.1
comp=E,22nm,0.6s					
MAHO	8.74	274	iP	S	15 14 44.1 +3.0
DKL	8.76	91	eP	S	15 13 03.3 +1.3
SET	8.82	249	P	Pn	15 13 06.0 +3.0
KCHR	8.83	248	P	Pn	15 13 05.8 +2.7
ORIF	8.87	309	ePn	S	15 13 05.0 +1.6
ORIF			eSn	S	15 14 41.4 -2.6
comp=E,10nm,0.6s					
RKY	8.88	80	eP	Pn	15 13 04.5 +0.8
DGB	8.94	97	iP	Pn	15 13 03.7 -0.6
VOIR	8.96	48	iP	Pn	15 13 06.9 +2.3
KRHB	8.97	82	eP	Pn	15 13 04.4 -0.3
SEMIN	8.98	320	ePn	Pn	15 13 04.8 -0.1
SMG	9.00	100	ePn	Pn	15 13 05.8 +0.7
SMG	9.00	100	P	Pn	15 13 05.8 +0.7
VYHS	9.03	14	eP	Pn	15 13 06.2 +0.9
VYHS	9.03	14	eP	Pn	15 13 06.2 +0.9
KOLL	9.03	12	eP	Pn	15 13 06.2 +0.8
KOLL	9.03	25	eP	Pn	15 13 06.2 +0.8
CJR	9.05	37	iP	Pn	15 13 07.8 +2.1
LAST	9.08	117	ePn	Pn	15 13 05.8 -0.4
LAST	9.08	117	P	Pn	15 13 05.8 -0.4
GEAO	9.17	352	ePn	Pn	15 13 07.5 +0.2
GECC	9.18	352	ePn	Pn	15 13 07.7 +0.4
GERES	9.18	352	eP	Pn	15 13 07.4 +0.4
GERES	9.18	352	P	Pn	15 13 07.9 +0.6
comp=E,12nm,0.3s,baz=165,slow=13,SNR=485					
GERES			PcP	PcP	15 19 00.2 -0.6
comp=E,0.4nm,0.3s,baz=114,slow=1.6,SNR=49					
GERES			ScP	ScP	15 22 05.3 -1.9
comp=E,0.2nm,0.3s,baz=183,slow=2.7,SNR=3.5					
JAVC	9.21	8	ePn	Pn	15 13 09.2 +1.6
KRUC	9.31	3	ePn	Pn	15 13 09.8 +0.9
KECVO	9.39	20	eP	Pn	15 13 10.1 +0.3
KECS	9.39	20	eP	Pn	15 13 10.1 +0.3
BALB	9.45	87	eP	Pn	15 13 10.8 +0.2
PRD	9.48	65	P	Pn	15 13 12.1 +1.1
KHC	9.48	352	ePn	Pn	15 13 11.2 +0.2
KHC	9.48	352	ePn	Pn	15 13 11.9 +0.9
KHC			eX	X	15 13 21.5
KHC			eX	X	15 13 21.5
KHC	9.48	352	ePn	Pn	15 13 11.9 +0.9
MLR	9.51	50	ePn	Pn	15 13 13.8 +2.2
MLR	9.51	50	ePn	Pn	15 13 12.6 +1.0
MLR	9.51	50	iP	P	15 13 14.7 -2.6
BODT	9.56	103	P	Pn	15 13 12.2 +0.1
BODT	9.56	103	P	Pn	15 13 12.5 +0.4
BODT	9.56	103	P	Pn	15 13 12.5 +0.4
VRAC	9.57	4	eP	Pn	15 13 13.2 +1.2
VRAC	9.57	4	iP	Pn	15 13 13.2 +1.2
VRAC	9.57	4	ePn	Pn	15 13 13.0 +0.9
VIVF	9.57	306	ePn	S	15 13 12.7 +0.4
VIVF			eSn	S	15 14 57.5 -2.8
comp=E,1.7nm,0.4s					
NI51	9.62	106	eP	Pn	15 13 13.2 +0.2
ISR	9.68	53	iP	Pn	15 13 16.0 +2.5
TRPA	9.73	281	ePn	Pn	15 13 16.3 +2.2
AYDE	9.74	97	eP	Pn	15 13 15.7 +1.2
CABF	9.76	31	ePn	S	15 13 17.1 -0.3
CABF			eSn	S	15 15 02.1 -2.5
comp=E,50nm,0.8s					
LASF	9.77	300	eP	Pn	15 13 15.0 +0.3
LASF			eSn	S	15 15 01.3 -3.5
comp=E,1.6nm,0.3s					
LANS	9.78	15	eP	Pn	15 13 16.5 +1.8
LANS	9.78	15	eP	Pn	15 13 16.5 +1.8
SSB	9.86	308	ePn	Pn	15 13 16.3 +0.5
SSB	9.86	308	ePn	Pn	15 13 16.3 +0.5
DAT	9.88	104	iP	Pn	15 13 16.6 +0.4
DAT	9.88	104	iP	Pn	15 13 16.1 -0.1
BFO	10.04	331	ePn	Pn	15 13 18.4 +0.4
BFO	10.04	331	ePn	Pn	15 13 18.4 +0.4
KARP	10.06	111	ePn	Pn	15 13 17.6 -0.9
KARP	10.06	111	ePn	Pn	15 13 16.9 -1.6
UZH	10.07	26	iP	S	15 13 18.1 -0.2
UZH			iS	S	15 15 08.1 -3.3
MORC	10.10	7	ePn	Pn	15 13 18.8 0.0
MORC	10.10	7	iP	Pn	15 13 20.6 +1.8
MORC	10.10	7	eP	Pn	15 13 18.8 0.0
MORC	10.10	7	ePn	Pn	15 13 19.8 +1.0
MORC	10.11	335	ePn	Pn	15 13 19.4 +0.2
PLOR	10.12	49	iP	Pn	15 13 21.5 +2.4
MANT	10.13	93	ePn	Pn	15 13 19.6 +0.2
GOPC	10.17	357	eP	X	15 13 26.1 +1.0
GOPC	10.17	357	eP	X	15 13 26.1 +1.0
PSN	10.17	63	ePn	Pn	15 13 20.6 +1.0
VRI	10.18	50	iP	Pn	15 13 23.0 -1.5
NIE	10.21	17	eP	P	15 13 22.7 -2.2
NIE	10.21	17	eP	P	15 13 22.7 -2.2
OKC	10.23	9	eP	Pn	15 13 21.7 +1.4
OKC	10.23	9	eP	Pn	15 13 25.0 +0.4
OKC	10.23	9	eP	Pn	15 13 21.7 +1.4
HINF	10.24	325	ePn	S	15 13 19.9 -0.7
HINF			eSn	S	15 15 11.8 -3.8
comp=E,35nm,0.8s					
PRU	10.25	356	eP	Pn	15 13 21.8 +1.2
PRU			eX	X	15 13 27.1 -1.2
PRU	10.25	356	eP	Pn	15 13 21.8 +1.2
ABA	10.33	257	P	Pn	15 13 15.0 -6.8
PRA	10.34	356	eP	Pn	15 13 23.6 +1.9
PRA			eX	X	15 13 27.8 -1.9
PRA	10.34	356	eP	Pn	15 13 23.6 +1.9
KRLC	10.34	4	eP	Pn	15 13 23.8 +2.0
KRLC			eX	X	15 13 28.9
KRLC	10.34	4	eP	Pn	15 13 23.8 +2.0
HARF	10.36	58	iP	Pn	15 13 23.6 +1.6
TLB	10.37	58	iP	Pn	15 13 25.0 +1.5
GRFO	10.41	344	ePn	Pn	15 13 22.2 -0.2
GRFO	10.41	344	ePn	Pn	15 13 22.2 -0.2
ECH	10.41	327	ePn	Pn	15 13 22.1 -0.6
ECH	10.41	327	ePn	Pn	15 13 22.1 -0.6
BIZ	10.46	43	iP	Pn	15 13 26.5 -1.2
BUR0A	10.47	38	ePn	Pn	15 13 24.8 +1.5
BURAR	10.47	38	iP	Pn	15 13 25.8 -2.1
ARG	10.48	106	eP	Pn	15 13 23.4 -0.2
BUR08	10.48	38	ePn	Pn	15 13 25.3 +1.7
CDP	10.52	328	eP	Pn	15 13 24.1 0.0
CDP			eSn	S	15 15 19.7 -2.3
comp=E,4.5nm,0.3s					
TURN	10.60	102	eP	Pn	15 13 21.4 -3.6
TURN	10.60	102	iP	Pn	15 13 22.4 -2.6
DPC	10.60	2	eP	Pn	15 13 26.5 +1.6
DPC			eX	X	15 13 31.1
EMHD	10.62	254	P	Pn	15 13 24.7 -0.8
MTLF	10.67	294	ePn	S	15 13 25.3 -0.6
MTLF			eSn	S	15 15 21.2 -4.2
comp=E,1.9nm,0.4s					
CFR	10.70	56	iP	Pn	15 13 27.7 +1.5
NKC	10.71	349	ePn	Pn	15 13 27.0 +0.7
NKC			eX	X	15 13 32.9
NKC			eX	X	15 13 38.8
NKC			eX	X	15 13 38.8
NKC	10.71	349	ePn	Pn	15 13 27.0 +0.7
PVCC	10.79	356	eP	Pn	15 13 28.8 +1.5
PVCC			eX	X	15 13 32.2
OJC	10.86	14	eP	Pn	15 13 29.8 +1.6
OJC	10.86	14	ePn	Pn	15 13 29.2 +1.0
OJC	10.86	14	eP	Pn	15 13 29.8 +1.6
KHAL	10.87	93	iP	Pn	15 13 29.8 +1.3
SMF	11.01	313	ePn	Pn	15 13 28.5 -1.1
FETY	11.04	102	ePn	Pn	15 13 31.6 +1.0
FETY	11.04	102	eP	Pn	15 13 31.6 +1.0
KWP	11.07	25	ePn	Pn	15 13 33.6 -0.9
KWP	11.07	25	ePn	Pn	15 13 33.6 -0.9
KSP	11.09	2	eP	Pn	15 13 32.5 +1.5
KSP	11.09	2	eP	Pn	15 13 32.5 +1.5
BRG	11.17	354	iP	P	15 13 37.4 +1.8
comp=E,8.1nm,1.1s					
BRG	11.17	354	iP	P	15 13 37.4 +1.8
BRG			pmax	pmax	15 13 33.4 +1.4

BRG	comp=Z,118nm,0.9s					
GOLH	Golhisar	11.21	99	iP	Pn	15 13 34.3 +1.6
CAF	Calviac	11.28	302	eP	Pn	15 13 33.8 +0.3
PAGF	Fort de Pagny	11.30	354	eP	Pn	15 13 34.5 +0.9
LOR	Loranges	11.36	315	eP	PR	15 13 34.1 -0.3
SFTF	Sextfontaines	11.37	321	eP	Pn	15 13 34.3 -0.2
SFTF				eSn	S	15 13 38.2 -3.1
comp=Z,8.7nm,0.5s						
AVF	Avril sur Loir	11.37	312	eP	Pn	15 13 34.2 -0.3
KZIL	KFVON Kizoren	11.39	93	iP	P	15 13 37.2 -1.1
BSF	Saint Sauleg	11.43	314	eP	Pn	15 13 34.6 -0.7
BGF	Bois d'Angland	11.53	310	eP	Pn	15 13 36.7 +0.1
AKAS	Kas	11.58	103	eP	Pn	15 13 38.9 -1.4
AKAS	Kas	11.58	103	iP	Pn	15 13 35.7 -1.7
ELI	Elimali	11.62	101	eP	Pn	15 13 37.7 +0.8
EVRN	Beni Rached	11.65	297	iP	Pn	15 13 38.4 +0.3
LVV	L'vov	11.68	28	iP	P	15 13 41.1 -0.1
LVV				eS	S	15 15 43.4 -5.2
comp=Z,170nm,1.1s						
CLL	Collm	11.69	352	iP	P	15 13 39.8 -1.4
CLL	Collm	11.69	352	iP	P	15 13 40.2 -1.0
comp=Z,133nm,1.5s						
CLL				i		15 13 43.0
comp=Z,93nm,1.0s						
CLL				e		15 13 58.0
CLL				e		15 14 17.0
CLL				eS	S	15 15 50.0 +1.3
comp=Z,200nm,20.4s						
CLL				eS	S	15 17 24.0
CLL				eS	S	15 13 40.2 -1.0
CLL				eS	S	15 15 50.0 +1.3
comp=Z,133nm,1.5s						
TCF	Toux Ste Croi	11.78	308	eP	Pn	15 13 39.8 +0.2
ISP	Isparita	11.79	95	ePn	Pn	15 13 40.0 +0.1
ISP	Isparita	11.79	95	eP	Pn	15 13 40.0 +0.1
RJF	Les Rejaudoux	11.79	303	eP	Pn	15 13 39.8 +0.1
ECHA	Ech Chlef	11.82	257	P	P	15 13 42.9 0.0
KORT	Korkuelli	11.88	99	eP	P	15 13 43.5 -0.2
KORT	Korkuelli	11.88	99	eP	P	15 13 43.5 -0.2
EPF	Esparos	11.94	291	eP	Pn	15 13 40.8 -0.8
EPF				eSn	S	15 15 49.9 -4.8
comp=Z,1.4nm,0.3s						
MLM	Milestii Mici	11.96	49	iP	P	15 13 45.7 +1.4
WLF	Walfardange	11.96	329	iP	Pn	15 13 44.4 +0.1
WLF	Walfardange	11.96	329	ePn	Pn	15 13 42.6 +0.8
WLF	Walfardange	11.96	329	eP	Pn	15 13 42.6 +0.8
KIS	Kishinev	12.00	49	iP	P	15 13 47.0 +2.2
comp=Z,300nm,0.6s						
KIS	Kishinev	12.00	49	iP	S	15 16 00.0 +4.0
KIS	Kishinev	12.00	49	iP	S	15 13 47.0 +2.2
KIS				eS	S	15 16 00.0 +4.0
comp=Z,340nm,0.6s						
EANR	'Ain N'Sour	12.10	256	P	Pn	15 13 44.0 +0.3
LFF	La Frestale	12.16	300	eP	Pn	15 13 43.8 -0.5
ETRT	Tiaret	12.18	253	P	Pn	15 13 44.4 -0.3
SUTC	Sutullec-Ispart	12.24	96	eP	Pn	15 13 46.5 +1.0
SOHC	Sorocho	12.40	290	eP	Pn	15 13 5

FCC	Flin Flon	71.83 327	i P	P	15 21 54.1 +1.3
E39A	Mellen	71.88 316	P	P	15 21 53.8 +0.5
H42A	Shiocran	71.93 313	P	P	15 21 54.2 +0.6
F40A	Park Falls	71.93 315	P	P	15 21 54.1 +0.5
SUR	Sutherland	71.94 175	P	P	15 21 53.7 -0.2
EPYK	Eagle Plains	72.07 349	P	P	15 21 54.7 +0.6
I43A	Langenfeld Bro	72.10 312	P	P	15 21 55.3 +0.7
O49A	Covington	72.10 308	eP	P	15 21 54.2 -0.5
O49A	Covington	72.10 308	P	P	15 21 54.7 0.0
N48A	Decatur	72.12 308	P	P	15 21 54.7 0.0
P50A	Jamestown	72.12 307	P	P	15 21 54.7 -0.2
R52A	Cattlettsburg	72.16 305	P	P	15 21 55.3 +0.2
M47A	Cromwell	72.17 309	P	P	15 21 55.1 0.0
Q51A	Peebles	72.19 306	eP	P	15 21 55.0 -0.2
Q51A	Peebles	72.19 306	P	P	15 21 55.4 +0.1
HUMP	Col San Antoni	72.19 279	eP	P	15 21 55.6 0.0
E38A	The Farm, Brul	72.27 316	eP	P	15 21 55.7 +0.1
E38A	The Farm, Brul	72.27 316	P	P	15 21 55.6 +0.1
F39A	Loretta	72.37 315	P	P	15 21 56.7 +0.5
G40A	Rib Lake	72.39 315	eP	P	15 21 56.3 0.0
S40A	Rib Lake	72.39 315	P	P	15 21 56.7 +0.4
GJG	San Juan	72.44 279	eP	P	15 21 57.1 +0.1
SJG	San Juan	72.44 279	eP	P	15 21 57.1 +0.1
H41A	Junction City	72.49 314	eP	P	15 21 57.5 +0.6
H41A	Junction City	72.49 314	P	P	15 21 57.3 +0.4
N47A	Urbana	72.51 309	P	P	15 21 56.9 -0.2
I42A	Drager Farm	72.53 313	eP	P	15 21 57.8 +0.7
I42A	Drager Farm	72.53 313	P	P	15 21 57.5 +0.4
O48A	Farmland	72.56 308	P	P	15 21 57.1 -0.3
J43A	Natural Harves	72.56 312	P	P	15 21 57.8 +0.4
M46A	Old House Fiel	72.58 310	P	P	15 21 57.5 +0.1
Q50A	Georgetown	72.69 306	P	P	15 21 57.9 -0.3
P49A	Miami Univ. Ec	72.73 307	P	P	15 21 58.0 -0.4
R51A	Hillsboro	72.77 306	P	P	15 21 58.6 0.0
COLD	Coldfoot	72.79 354	eP	P	15 21 59.5 +1.3
OBIP	Obisipado Point	72.83 279	eP	P	15 21 59.4 +0.1
SS2A	Saltversyville	72.83 305	P	P	15 21 59.4 +0.1
F38A	Pierce - Schro	72.86 316	P	P	15 21 59.8 +0.8
H40A	Chili	72.90 314	P	P	15 22 00.0 +0.7
G39A	Holcombe	72.90 315	P	P	15 21 59.6 +0.3
K43A	Burlington	72.94 312	eP	P	15 21 60.0 +0.4
K43A	Burlington	72.94 312	P	P	15 21 60.0 +0.4
I41A	Arkdale	72.96 313	eP	P	15 22 00.1 +0.4
I41A	Arkdale	72.96 313	P	P	15 22 00.0 +0.4
FYU	Fort Yukon	72.98 352	eP	P	15 22 01.6 +2.2
J42A	Columbus	73.01 312	P	P	15 22 00.3 +0.3
L44A	Lake County Fo	73.02 311	P	P	15 22 00.3 +0.2
N46A	Monticello	73.12 309	P	P	15 22 00.6 -0.1
Q49A	Aurora	73.16 307	P	P	15 22 00.5 -0.4
S51A	Beattyville	73.18 305	P	P	15 22 01.1 +0.1
CHTO	Chiang Mai	73.19 79	eP	P	15 22 00.6 -0.8
CHTO	Chiang Mai	73.19 79	eP	P	15 23 02.1 -1.6
CHTO	Chiang Mai	73.19 79	eP	P	15 22 00.2 -0.8
CHTO	Chiang Mai	73.19 79	eP	P	15 23 01.3 -1.6
CHTO	Chiang Mai	73.19 79	eP	P	15 22 02.0 +0.6
CHTO	Chiang Mai	73.19 79	eP	P	15 22 02.0 +0.6
O47A	Sheridan	73.19 308	P	P	15 22 00.6 -0.5
P48A	Milroy	73.21 307	P	P	15 22 00.8 -0.4
KM5C	Kings Mountain	73.23 302	P	P	15 22 01.6 +0.2
CRPR	Cabo Rojo, PR	73.23 280	eP	P	15 22 01.3 -0.3
R50A	Paris	73.25 306	P	P	15 22 01.5 0.0
U53A	Fall Branch	73.30 303	P	P	15 22 01.2 -0.7
G38A	Ridgeland	73.35 315	P	P	15 22 02.2 +0.2
H39A	Augusta	73.35 315	P	P	15 22 02.1 +0.2
AGMN	Agassiz Nation	73.40 320	P	P	15 22 02.4 +0.3
CMAR	Chiang Mai Arr	73.40 80	P	P	15 22 02.5 -0.2
CMAR	Chiang Mai Arr	73.40 80	P	P	15 23 03.1 -1.0
F37A	Hinrichs Farm,	73.41 316	P	P	15 22 02.7 +0.4
CM01	Loganville	73.44 80	eP	P	15 22 02.0 -0.8
CM01	Loganville	73.44 80	eP	P	15 23 02.7 -1.7
K42A	Prairie Point	73.47 312	eP	P	15 22 02.9 +0.2
J41A	Loganville	73.48 313	P	P	15 22 03.1 +0.3
I40A	Norwalk	73.49 314	P	P	15 22 03.1 +0.3
L43A	Garden Prairie	73.50 311	P	P	15 22 02.9 0.0
M44A	Midewin, Midew	73.51 310	P	P	15 22 03.2 -0.1
N45A	Kentland	73.61 310	P	P	15 22 03.4 -0.1
SFIN	Lafayette	73.66 309	eP	P	15 22 03.6 -0.2
SFIN	Lafayette	73.66 309	P	P	15 22 03.6 -0.2
S50A	Richmond	73.66 305	P	P	15 22 03.7 -0.2
P47A	Martinsville	73.71 308	P	P	15 22 03.8 -0.3
Q48A	North Vernon	73.72 307	P	P	15 22 04.1 -0.1
PAULI	Pauline	73.74 302	eP	P	15 22 04.8 +0.4
R49A	Shelbyville	73.77 306	P	P	15 22 04.3 -0.2
U52A	Thorn Hill	73.79 304	P	P	15 22 04.4 -0.3
T51A	Gray	73.81 305	P	P	15 22 04.8 0.0
TZTN	Tazewell	73.82 304	P	P	15 22 05.0 +0.2
SPMN	Marine on St.	73.83 316	eP	P	15 22 05.2 +0.5
SPMN	Marine on St.	73.83 316	P	P	15 22 05.0 +0.3
J40A	Soldiers Grove	73.87 313	P	P	15 22 04.9 -0.1

V53A	Saluda	73.88 303	eP	P	15 22 04.9 -0.4
V53A	Saluda	73.88 303	P	P	15 22 05.4 +0.2
JFWS	Jewell Farm	73.90 313	eP	P	15 22 05.0 -0.2
JFWS	Jewell Farm	73.90 313	eP	P	15 22 05.0 -0.2
JFWS	Jewell Farm	73.90 313	P	P	15 22 05.1 0.0
H38A	Maiden Rock	73.90 315	P	P	15 22 05.4 +0.2
N44A	Pinecliff City	74.01 310	P	P	15 22 05.8 0.0
I39A	Houston	74.01 314	eP	P	15 22 05.8 -0.1
I39A	Houston	74.01 314	P	P	15 22 05.6 -0.2
BLO	Bloomington	74.06 308	eP	P	15 22 06.1 0.0
BLO	Bloomington	74.06 308	eP	P	15 22 06.1 0.0
M43A	Waltham Townsh	74.09 311	P	P	15 22 06.5 +0.2
O45A	Potomac	74.11 309	P	P	15 22 06.2 -0.2
K41A	Shullsburg	74.13 312	P	P	15 22 06.4 -0.1
R48A	Northridge Ran	74.14 307	P	P	15 22 06.6 0.0
L42A	Oliver, Polo	74.14 312	eP	P	15 22 06.7 +0.1
L42A	Oliver, Polo	74.14 312	P	P	15 22 06.8 +0.1
Q47A	Bedford North L	74.14 308	P	P	15 22 06.4 -0.2
S49A	Springfield	74.15 306	P	P	15 22 06.5 -0.3
P46A	Rosedale	74.19 308	P	P	15 22 06.7 -0.2
U51A	La Follette	74.22 304	P	P	15 22 07.4 +0.3
IM3	Indian Mountain	74.26 356	eP	P	15 22 08.2 +1.4
V52A	Seyersville	74.28 304	P	P	15 22 06.9 -0.6
T50A	Nancy	74.34 305	P	P	15 22 07.8 0.0
GVA	Guilang	74.34 69	eP	P	15 22 09.0 +0.9
GVA	Guilang	74.34 69	eP	P	15 23 10.0 +0.2
GVA	Guilang	74.34 69	eP	P	15 23 07.6 -0.6
GVA	Guilang	74.34 69	eP	P	15 25 00.9 +3.1
GVA	Guilang	74.34 69	eP	P	15 31 20.3 0.0
GVA	Guilang	74.34 69	eP	P	15 31 46.4 -4.1
BG3	Lake Jocassee	74.36 303	eP	P	15 22 08.1 +0.1
W53A	Cullowhee	74.41 303	P	P	15 22 08.3 0.0
J39A	Decorah	74.45 314	P	P	15 22 08.1 -0.3
TKL	Tuckaleechee C	74.50 304	P	P	15 22 07.8 -0.9
WCI	Wyandotte Cave	74.50 307	eP	P	15 22 08.5 -0.2
WCI	Wyandotte Cave	74.50 307	eP	P	15 22 08.5 -0.2
WCI	Wyandotte Cave	74.50 307	eP	P	15 22 08.5 -0.2
N43A	Stutzman Famil	74.53 311	P	P	15 22 09.0 +0.2
K40A	Colesburg	74.54 313	P	P	15 22 08.6 -0.2
P45A	Graceland, Par	74.58 309	eP	P	15 22 08.7 -0.4
P45A	Graceland, Par	74.58 309	P	P	15 22 08.7 -0.4
L41A	Preston	74.58 312	P	P	15 22 09.1 0.0
R47A	Woolly Knot Far	74.61 307	P	P	15 22 09.1 -0.1
O44A	Manfield	74.61 310	P	P	15 22 09.3 0.0
POKR	Poker Plat Res	74.62 353	P	P	15 22 10.3 +1.4
DAWY	Dawson	74.64 349	eP	P	15 22 09.9 +0.8
S48A	Wiedeman Farm,	74.71 306	P	P	15 22 09.6 -0.3
U50A	Jamestown	74.72 305	P	P	15 22 09.9 -0.1
T49A	Edmonton	74.73 306	eP	P	15 22 09.9 -0.2
T49A	Edmonton	74.73 306	P	P	15 22 10.0 0.0
V51A	Loudon	74.78 304	P	P	15 22 10.5 +0.2
I56A	Sylvania	74.84 300	P	P	15 22 10.6 -0.1
HDIL	Hopedale	74.85 310	eP	P	15 22 10.6 0.0
HDIL	Hopedale	74.85 310	P	P	15 22 10.8 +0.2
MDM	Murphy Dome	74.85 353	eP	P	15 22 11.1 +0.8
COLA	College	74.89 353	eP	P	15 22 10.2 -0.2
COLA	College	74.89 353	eP	P	15 22 10.2 -0.2
Y54A	Tignal	74.90 301	P	P	15 22 11.4 +0.4
IL1	Eielson Array	74.90 352	eP	P	15 22 11.4 +0.9
ILAR	Eielson Array	74.90 352	eP	P	15 22 11.2 +0.7
ILB	Eielson Array	74.90 352	eP	P	15 22 11.1 +0.6
X53A	Estanolle	74.91 302	eP	P	15 22 11.0 0.0
W52A	Murphy	74.95 303	eP	P	15 22 10.9 -0.5
W52A	Murphy	74.95 303	P	P	15 22 11.0 -0.3
K39A	Delwin	74.96 313	P	P	15 22 10.8 -0.4
L40A	Anamosa	75.00 312	eP	P	15 22 11.2 -0.2
L40A	Anamosa	75.00 312	P	P	15 22 11.4 -0.1
KLR	Kul dur	75.01 38	i P	P	15 22 11.4 0.0
O43A	Sugar Creek Fa	75.03 310	P	P	15 22 11.8 +0.1
M41A	Milan	75.05 312	P	P	15 22 11.5 -0.2
N42A	Yates City	75.11 311	P	P	15 22 12.1 +0.1
CPCT	Cooper Cave	75.11 304	eP	P	15 22 12.3 +0.1
CCB	Clear Creek Bu	75.11 353	eP	P	15 22 12.2 +0.5
P44A	Sand Creek, WI	75.14 309	P	P	15 22 12.4 +0.1
Q45A	Warren Harvey,	75.22 308	P	P	15 22 12.5 -0.3
X52A	Dalena	75.23 303	P	P	15 22 12.9 0.0
U49A	Red Boiling Sp	75.25 305	P	P	15 22 12.9 -0.1
HDA	Harding Lake	75.26 352	eP	P	15 22 13.2 +0.7
HDA	Harding Lake	75.26 352	P	P	15 22 13.3 +0.8
S47A	Hartford	75.26 307	P	P	15 22 12.9 -0.1
R46A	Gibson Southers	75.26 308	P	P	15 22 12.7 -0.3
T48A	Bowling Green	75.26 306	P	P	15 22 13.4 +0.3
OLIL	Olney	75.29 308	eP	P	15 22 13.2 0.0
WRH	Wood River Hill	75.31 353	eP	P	15 22 13.3 +0.5
SCRK	Sand Creek	75.34 351	eP	P	15 22 14.5 +1.3
V50A	Pikeville	75.34 304	P	P	15 22 13.7 +0.2

Z54A	Sparta	75.38 301	P	P	15 22 13.7 -0.1
L39A	Vinton	75.40 313	P	P	15 22 13.4 -0.3
W51A	Cleveland	75.44 304	P	P	15 22 14.1 0.0
Y53A	Monroe	75.49 302	P	P	15 22 14.3 -0.1
155A	Kite	75.51 300	P	P	15 22 14.3 -0.2
USIN	University of	75.51 307	eP	P	15 22 14.3 -0.1
UTHA	Uthaltani	75.53 82	P	P	15 22 16.0 +1.1
O42A	Bath	75.54 310	P	P	15 22 14.7 +0.1
MDND	Maddock	75.55 321	P	P	15 22 14.8 +0.3
P43A	Skaggs, Pawnee	75.56 310	P	P	15 22 14.9 +0.2
357A	Townsend	75.59 299	P	P	15 22 14.2 -0.7
M40A	Post Highland	75.59 312	P	P	15 22 14.4 -0.4
N41A	Harden Midland	75.66 311	eP	P	15 22 15.1 -0.1
N41A	Harden Midland	75.66 311	P	P	15 22 15.0 -0.3
R45A	Skyline Fairri	75.68 308	P	P	15 22 15.2 -0.1
GOGA	Godfrey	75.69 302	P	P	15 22 15.7 +0.2
S46A	Don Dixon Farm	75.7			

Table with columns: Station ID, Name, Frequency, Power, Phase, and other technical details. Includes stations like R41A Rosebud, SUSD Miller, CCM Cathedral Cave, etc.

Table with columns: Station ID, Name, Frequency, Power, Phase, and other technical details. Includes stations like W39A Magazine, KSAR Wunu Array Be, KRSR Korea Array, etc.

Table with columns: Station ID, Name, Frequency, Power, Phase, and other technical details. Includes stations like PV23 Carpenter Ridg, PV09 Paradox Valley, PV11 David Mesa, etc.

Summary table for SKO 16:15:05.99, 4178N-2219E, h28km, M1.4, ML1.8, 3C-1D, Northwestern Balkan Peninsula. Includes columns for Code, Station Name, Azimuth, Phase ID, Time, and Res.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CHN4, CHN5, TYC, TWT, CHN1, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YM07, YM10, TWS1, YM11, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WDD, HMDC, HAVL, MEU, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SALU Saitoluokta, NIKU Nikkaluokta, KALU Kalix, etc.

ISCJB 16 17:08:41.2,0.4,6.74S:0.03:133.50E:0.05,h10km, mb3.9/8, Error ellipse: s-maj=7.7km s-min=4.5km

IDC 16 17:08:41.2,1.0,6.72S:133.74E,h0km,mb3.8, mb1.3/9.1,mb1mx3.8/38,mbtmp3.9/11,ML3.8/5, Error ellipse: s-maj=30.5km s-min=18.3km az=81.0

NEIC 16 17:08:46.3,0.5,6.72S:133.59E,h35km,mb4.2/5, Error ellipse: s-maj=9.9km s-min=7.2km az=73.0

DJA 16 17:08:53.1,0.5,6.73S:133.3E,h149km,10km,M4.4/7, mb5.0/2,mb4.2/5,MLV4.5/7,MW(mb)4.4/2

ISC 16 17:08:42.3,0.6,6.72S:133.61E:0.05,h10km,n39, c299/47,mb3.9/8,Aru Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SAUI Saumlaki, KAMU Kaimama, FAKI Fak Fak, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like COEN Coen, WRAB Tennant Creek, WRA Warramunga Arr, etc.

IDC 16 17:18:22.9,9.4,35.71N:71.61E,h76km,40km,mb3.6/4, mb1.3/5.9,mb1mx3.2/53,mbtmp3.7/9,ML3.4/5,MS2.9/1, Ms1.2.9/1,ms1mx2.3/43, Error ellipse: s-maj=132.8km s-min=30.2km az=158.0

ISCJB 16 17:18:27.6,0.5,36.20N:0.05:71.21E:0.06,h100km, mb4.0/3, Error ellipse: s-maj=8.3km s-min=5.4km az=135.8

NNC 16 17:18:35.9,9.1,36.97N:70.72E,h16km,193km,mb3.8, mb3.6/ Error ellipse: s-maj=192.7km s-min=36.4km az=12.0

ISC 16 17:18:27.1,1.0,36.12N:0.09:71.38E:0.08,h100km,n25, c282/37,mb4.3/3,3C-5D,Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SFK Sufi-Kurgan, MNAS Manas, AAK Ala-Archa, etc.

ISK 16 17:21:29.3,37.34N:37.14E,h9km,ML2.0/5

ISCJB 16 17:21:30.7,0.6,37.26N:0.05:37.11E:0.03,h9km,6km, Error ellipse: s-maj=8.3km s-min=4.0km az=19.4

DDA 16 17:21:31.0,37.29N:37.18E,h7km,ML2.6

ISC n13, c057/23, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GAZ Gaziantep, KUZU Kuzuni, AKND Akcadag, etc.

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

MDD 16 17:26:44.4,1.9,37.23N:12.89W,h25km,mb4.2/10, Error ellipse: s-maj=16.4km s-min=13.1km az=65.0, PRXIMO

IGIL 16 17:26:44.3,37.30N:12.67W,h0km,ML2.2

INMG 16 17:26:45.9,1.4,37.07N:13.05W,h10km,ML2.4, Error ellipse: s-maj=8.3km s-min=7.8km az=96.0

ISC 16 17:26:39.2,3.4,37.24N:0.09:12.8W:0.2,h10km,n50, c266/88,1C,Azores-Cape St. Vincent Ridge

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PVFI Vila Bispo, PMAFR Mafru, PTEO Sao Teotonio, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like TOSP Speyside, TPR Prospect, TPR TPR, etc.

IDC 16 19:19:28.1.3.7.36:32N-71.33E, h133km, 33km, mb3.4/13, m1 3.5/19, mb1mx3.4/38, mbtmp3.8/19, Error ellipse: s-maj=22.0km s-min=13.3km az=1.0

ISCJB 16 19:19:30.6.0.2.36:60N-0.03:71.31E, 0.03, h150km, mb4.1/40, Error ellipse: s-maj=3.7km s-min=3.1km az=3.7

NEIC 16 19:19:33.9.0.5.36:73N-71.30E, h169km, 5km, mb4.4/25, Error ellipse: s-maj=6.1km s-min=4.9km az=13.0

ISC 16 19:19:32.1.0.4.36:73N-71.30E, 0.04, h150km, m160, 0.182/175, mb4.2/40, 17C-12D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like KBL Kabul, KBL KBL, NIL Nilore, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like TKM2 Tokmak 2, TKM2 TKM2, MDOK Medeo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like MLR Muntele Rosu, MLR Muntele Rosu, BURAR Bucovina Array, etc.

ISCJB 16 19:35:43.4.0.5.37:06N-0.03:140.71E, 0.05, h10km, 3km, mb3.8/2, MS3.3/1, Error ellipse: s-maj=6.4km s-min=4.4km az=16.3

16d 20h

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

MAN 16 19:51:20.4, 18:25N, 120:81E, h30km, mb4.9, ML3.8, MS3.8, Luzon. Table with columns: Code, Station Name, Az, Phase ID, Time, Res.

MAN 16 19:57:37.8, 6:66N, 126:55E, h46km, mb4.1, ML2.9, MS2.5, 1C-1D, Mindanao. Table with columns: Code, Station Name, Az, Phase ID, Time, Res.

ISCJB 16 19:58:24.3, 0.3, 24:21N, 0:02, 122:98E, 0:02, h40km, 8km, Error ellipse: s-maj=3.6km s-min=2.5km az=3.2

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

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Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NNS, EGFH, TWA, etc.

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

ISK 16 20:11:41.3, 37:27N, 37:14E, h17km, 1km, ML1.8/6, DDA 16 20:11:41.5, 37:30N, 37:15E, h7km, ML2.9

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

ISCJB 16 20:26:17.2, 0.5, 56:42S, 0:08, 27:3W, 0:1, h101km, mb4.3/9, Error ellipse: s-maj=13.7km s-min=7.3km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HOPE, VNA3, VNA2, etc.

Table with columns: PTOM, PSTR, PBAR, EBAD, PMRV, EMIN, ESPR, ECAB, EPLA, MVO, EADA, EABA, PAB, ESDC, SATI, GAZ, KUZU, ANDN, ATAB, KOZT, ELBS, SAIM, TAHT, AKCD, SURC, YURE, DARE, URF, SANL, KARAT, KRTS, BNN, CULT, SVRC, CUSAR, KEMA. Includes station names, coordinates, and other technical details.

ISK 16 22:20:59.6, 37.31N, 137.12E, h6km, ML2.2/8
ISCJB 16 22:21:00.5, 0.6, 37.28N, 104.37E, 10E, 0.03, h8km, 6km,
Error ellipse: s-maj=6.5km s-min=3.8km az=18.3
DDA 16 22:21:00.2, 37.24N, 37.13E, h37km, M1.3,
ISC 16 22:20:59.4, 1, 37.26N, 0.03, 37.11E, 0.03, h17km, 10km,
n20, 0.96N/31, Turkey

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

ISCJB 16 22:26:46.1, 0.4, 9.12S, 0.05, 124.31E, 0.04, h100km,
mb3.9/10, Error ellipse: s-maj=7.2km s-min=5.7km
az=32.5
DJA 16 22:26:48.4, 0.7, 9.3S, 12.4E, h14km, 10km, M4.4/12,
mb4.6/10, mb5.1/5, ML4.3/12, Mw(MB)4.5/5
ISC 16 22:26:48.6, 1.9, 9.09S, 124.45E, h105km, 22km, mb3.6/9,
mb1.3/9, 1/2, ms1mx2.7/37, mbtmp4.1/12, MS2.9/2,
Ms1 2.9/2, ms1mx2.5/33, Error ellipse: s-maj=31.4km
s-min=18.0km az=62.0

ISC 16 22:26:47.6, 0.6, 9.12S, 0.06, 124.33E, 0.07, h100km, n37,
az=20/43, mb3.9/10, Tumor region

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

Table with columns: CMAR, KSRS, RAMN, JIRN, PKI, PKIN, KKN, USKR, KOLN, DANN, PYUN, SONM, MKAR, PETK, VNDA, ZALV, SEY. Includes station names, coordinates, and other technical details.

ISCJB 16 22:33:54.2, 0.6, 2.97N, 106.141, 7E, 0.1, h200km,
mb3.7/14, Error ellipse: s-maj=16.9km s-min=7.9km
az=178.0
ISC 16 22:33:57.1, 1, 3.23, 0.09N, 141.72E, h216km, 13km,
mb3.6/14, mb1.3/7.18, mb1mx3.5/43, mbtmp2.1/8, Error
ellipse: s-maj=20.5km s-min=8.8km az=83.0

ISC 16 22:33:55.8, 0.7, 23.00N, 0.07, 141.7E, 0.1, h200km, n19,
az=98/92, mb3.9/14, Volcano Islands region

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

ISC 16 22:37:03.3, 1.1, 4.91S, 153.10E, h0km, mb3.8/11,
mb2.4/0.11, mb1mx3.9/26, mbtmp3.8/11, MS3.0/2,
Ms1 3.0/2, ms1mx2.6/24, Error ellipse: s-maj=36.5km
s-min=18.8km az=106.0

ISCJB 16 22:37:08.0, 1.1, 4.9S, 0.2, 153.0E, 0.2, h43km, mb3.7/11,
MS3.0/1, Error ellipse: s-maj=33.5km s-min=15.7km
az=15.5

ISC 16 22:37:09.8, 1.1, 4.9S, 0.2, 153.0E, 0.3, h43km, n15,
az=95/93, mb3.9/11, New Ireland region

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

MEX 16 22:47:29.6, 0.7, 16.29N, 98.17W, h15km, 2km, MD3.5,
Near coast of Guerrero

MOS 16 23:03:48.1, 0.0, 41.80N, 46.35E, h22km, 1km, MPVA2.5
TIF 16 23:03:48.4, 4.1, 94N, 46.29E, h11km, 3km
ISCJB 16 23:03:49.9, 0.6, 41.81N, 0.03, 46.37E, 0.05, h8km, 8km,
Error ellipse: s-maj=5.9km s-min=5.3km az=163.4
DRS 16 23:03:50.1, 0.0, 41.75N, 46.29E, h17km
ISC 16 23:03:49.2, 1.2, 41.79N, 0.04, 46.33E, 0.03, h18km, 8km,
n12, az=92/24, Eastern Caucasus

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

Table with columns: AKT, DVE, TBGL, TBGL, TBGL, GUDG. Includes station names, coordinates, and other technical details.

ISCJB 16 23:12:21.6, 0.2, 43.61N, 0.01, 170.86W, 0.02, h10km,
mb4.4/58, Error ellipse: s-maj=2.3km s-min=1.6km
az=31.3

OTT 16 23:12:23.0, 0.3, 43.59N, 170.68W, h7km, Mw4.0
OTT 189km southeast from Coaticook, Qc Felt strongly in
Maine and New Hampshire area. Felt throughout much of
Connecticut, New Jersey, New York, Rhode Island and
Vermont. Felt in northern Quebec Northern Appalachians
Seismic Zone.

IDC 16 23:12:22.9, 0.5, 43.72N, 170.68W, h0km, mb4.2/22,
mb1.4/5.25, mb1mx4.3/49, mbtmp4.3/25, ML3.7/3, MS3.2/5,
Ms1 3.3/5, ms1mx2.9/36, Error ellipse: s-maj=11.4km
s-min=9.2km az=126.0

NEIC 16 23:12:23.9, 0.0, 43.60N, 170.65W, h4km, mb4.5/71, MW4.0,
MW4.5(WCS), Moment Tensor Solution. S52 Moment
tensor: Scale 1015Nm, Mr1:1.29, Mw:1.02, Mv:1.18,
Ms:0.30, Ms:0.33, Ms:0.51; Best double couple:
M1:1.00000x1015 Np1:170.00000, s33.00000,
lambda.00000. NP2:0.338.00000, s57.00000, lambda.00000.
Principal axes: T:1.4300, Plg77.0000, Azm228.0000;
N:-0.0400, Plg5.0000, Azm341.0000; P:-1.3900,
Plg12.0000, Azm73.0000; After WES

NEIC Felt [V] at East Waterboro and at Alfred, Cornish,
Hollis Center, Limerick, North Waterboro, Shapleigh, West
Newfield and Livermore Falls. Felt [V] at East Wakefield,
Freedom and Milton Mills, New Hampshire and at North
Hartland, Vermont. Felt strongly in parts of Maine,
Massachusetts and New Hampshire. Felt in much of New
England and in parts of New Jersey and New York. Also
felt in southern Quebec, Canada.

ISC 16 23:12:23.5, 0.3, 43.59N, 0.02, 170.65W, 0.02, h10km, n548,
az=215/647, mb4.5/59, 1D, Maine

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

ISC 16 22:37:03.3, 1.1, 4.9S, 153.10E, h0km, mb3.8/11,
mb2.4/0.11, mb1mx3.9/26, mbtmp3.8/11, MS3.0/2,
Ms1 3.0/2, ms1mx2.6/24, Error ellipse: s-maj=36.5km
s-min=18.8km az=106.0

ISCJB 16 22:37:08.0, 1.1, 4.9S, 0.2, 153.0E, 0.2, h43km, mb3.7/11,
MS3.0/1, Error ellipse: s-maj=33.5km s-min=15.7km
az=15.5

ISC 16 22:37:09.8, 1.1, 4.9S, 0.2, 153.0E, 0.3, h43km, n15,
az=95/93, mb3.9/11, New Ireland region

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

DPQ	Saint Jean	3.44	335	PN	Pn	23 13 16.5	-0.6
DPQ					Trac	23 14 14.5	
PAL	Palisades	3.54	224	ePn	Pn	23 13 17.6	-0.9
PAL				ePb	Pb	23 13 20.1	+0.9
PAL				eSg	Sg	23 13 17.2	+2.0
PAL	Palisades	3.54	224	P	Pn	23 13 16.7	-1.7
PAL				Sb	Sb	23 14 11.9	+2.7
POI	Presque Isle	3.60	30	ePn	Pn	23 13 20.1	+0.8
POI				ePb	Pb	23 13 29.1	+1.9
POI				eSg	Sg	23 14 14.0	+3.1
WBO	Williamsburg	3.61	295	ePn	Pn	23 13 19.4	-0.1
WBO				eLg	Lg	23 14 15.6	
WBO	Williamsburg	3.61	295	ePn	Pn	23 13 19.4	-0.1
WBO				eLg	Lg	23 14 15.6	
WBO				Trac	Trac	23 14 16.9	
ALFO	Alfred	3.65	305	P	Pn	23 13 19.9	-0.1
ALFO				Sb	Sb	23 14 13.7	+1.4
CPNY	Central Park	3.73	222	ePn	Pn	23 13 20.1	-0.9
CPNY				eSg	Sg	23 14 00.4	+2.5
CPNY				eSg	Sg	23 14 17.2	+2.2
TRQ	Mont Tremblant	3.83	315	ePn	Pn	23 13 21.5	-1.0
TRQ				ePb	Pb	23 13 32.7	+1.6
TRQ				eSg	Sg	23 14 18.6	+1.1
TRQ	Mont Tremblant	3.83	315	Pn	Pn	23 13 21.5	-1.0
TRQ				Trac	Trac	23 14 24.0	
ODNJ	Ogdensburg	3.86	231	ePn	Pn	23 13 22.8	0.0
ODNJ				eSg	Sg	23 14 06.4	-1.9
ORIO	Orleans, Innes	3.94	300	P	Pn	23 13 23.9	-0.1
ORIO				Sb	Sb	23 14 20.8	-0.1
LMQ	La Malbaie	3.96	3	Pn	Pn	23 13 24.3	0.0
LMQ				eSg	Sg	23 14 09.0	-1.9
LMQ	La Malbaie	3.96	3	Pn	Pn	23 13 24.3	0.0
LMQ				eSg	Sg	23 14 09.0	-1.9
LMQ				Trac	Trac	23 14 29.3	
GAC	Glen Almond	4.04	303	Pn	Pn	23 13 24.3	-1.1
GAC	Glen Almond	4.04	303	Pn	Pn	23 13 24.3	-1.1
GAC				Trac	Trac	23 14 31.5	
OTT	Ottawa	4.05	298	Trac	Trac	23 14 31.4	
BRNJ	Basking Ridge	4.12	226	ePn	Pn	23 13 26.3	-0.1
BRNJ				eSg	Sg	23 14 12.8	-1.8
BINY	Binghamton	4.16	252	ePn	Pn	23 13 26.8	-0.3
BINY				ePb	Pb	23 13 37.2	+0.4
BINY				eSg	Sg	23 13 17.9	-0.8
BINY				eSg	Sg	23 13 14.2	+4.1
BINY	Binghamton	4.16	252	P	Pn	23 13 27.4	+0.3
KSPA	Keystone Colle	4.29	243	ePn	Pn	23 13 28.4	-0.4
KSPA				ePb	Pb	23 13 40.3	+1.3
KSPA				eSg	Sg	23 14 34.8	+3.9
LUPA	Lehigh Unvers	4.61	231	ePn	Pn	23 13 32.0	0.0
LUPA				eSg	Sg	23 14 25.8	-1.1
LUPA				eSg	Sg	23 14 46.0	+5.8
N59A	State Game Lan	4.65	237	ePn	Pn	23 13 34.1	+0.4
N59A				eSg	Sg	23 14 24.4	-3.3
N59A	State Game Lan	4.65	237	P	Pn	23 13 33.7	-0.1
N59A				S	Sn	23 14 27.3	-0.5
LMN	Caledonia Moun	4.74	59	ePn	Pn	23 13 35.2	+0.2
LMN				eSg	Sg	23 14 37.7	+3.0
LMN				Sb	Sb	23 14 49.1	+5.4
LMN	Caledonia Moun	4.74	59	Pn	Pn	23 13 34.5	-0.5
LMN				Trac	Trac	23 14 27.2	-2.7
LMN				Trac	Trac	23 14 54.3	
GRQ	Grand Remous	4.76	311	Trac	Trac	23 14 53.6	
PLVO	Plevna	4.83	290	ePn	Pn	23 13 35.8	-0.5
PLVO				eSg	Sg	23 14 29.0	-3.3
PLVO	Plevna	4.83	290	P	Pn	23 13 35.7	-0.6
BATG	Bathurst New B	4.90	40	ePn	Pn	23 13 36.7	-0.4
BATG				ePb	Pb	23 13 51.7	+2.4
BATG				eSg	Sg	23 14 54.4	+6.1
DELO	Deloro Mine	5.11	283	P	Pn	23 13 39.2	-0.8
PSUB	Penn St. - Bra	5.13	226	ePn	Pn	23 13 39.9	-0.4
PSUB				eSg	Sg	23 14 36.6	-3.0
PSUB				eSg	Sg	23 15 01.1	+6.2
PEMO	Pembroke	5.15	296	P	Pn	23 13 39.8	-0.8
HAL	Halifax	5.19	76	ePn	Pn	23 13 40.6	-0.5
HAL				eSg	Sg	23 14 38.5	-2.5
HAL	Halifax	5.19	76	Pn	Pn	23 13 40.6	-0.5
HAL				SN	SN	23 14 38.9	-2.1
HAL				Trac	Trac	23 15 13.4	
CRLO	Chalk River	5.38	299	Trac	Trac	23 15 13.5	
MMNY	Mt. Morris Dam	5.38	263	ePn	Pn	23 13 44.1	+0.3
MMNY				eSb	Sb	23 15 04.3	+2.1
BANO	Bancroft	5.42	288	P	Pn	23 13 43.2	-1.1
E54A	Lac Daplat, Po	5.44	304	P	Pn	23 13 44.3	-1.1
D54A	Lac Fusel, La	5.53	312	P	Pn	23 13 43.5	-1.3
MVL	Millersville	5.57	232	ePn	Pn	23 13 46.4	0.0
MVL				eSg	Sg	23 14 47.2	-3.3
MVL				eSb	Sb	23 15 10.4	+2.8
WLVO	Wesleyville	5.62	276	P	Pn	23 13 45.8	-1.3
PAGS	Pennsylvania G	5.64	236	ePn	Pn	23 13 47.4	0.0
PAGS				eSg	Sg	23 15 19.6	-4.9
E53A	Dumoine, Ponti	5.70	302	P	Pn	23 13 46.9	-1.3
GSQ	Grosses Roches	5.86	24	Pn	Pn	23 13 50.6	+0.2
GSQ				SN	SN	23 14 56.7	+0.8
GSQ	Grosses Roches	5.86	24	Pn	Pn	23 13 50.6	+0.2
GSQ				SN	SN	23 14 56.7	+0.8
GSQ				Trac	Trac	23 15 37.4	
D53A	Lac Vachiv, Po	6.07	308	P	Pn	23 13 52.2	-1.1
SSPA	Standing Stone	6.14	244	ePn	Pn	23 13 53.6	-0.6
SSPA				eSg	Sg	23 15 29.9	+5.9
SADO	Standing Stone	6.14	244	P	Pn	23 13 53.3	-0.9
SADO				Pn	Pn	23 13 53.8	-1.5
SADO				eSg	Sg	23 15 33.9	-2.6
SADO				eSg	Sg	23 15 33.8	+7.5
SADO	Sadowa	6.22	284	Trac	Trac	23 15 39.2	
SDMD	Soldier's Dell	6.25	230	ePn	Pn	23 13 55.5	-0.2
SDMD				eSg	Sg	23 15 13.3	+3.9
SDMD				eSg	Sg	23 15 35.7	+8.6
ICQ	Pointe Anglais	6.37	20	Trac	Trac	23 15 50.6	
BUKO	Buck Lake	6.53	290	P	Pn	23 13 57.3	-2.2
VLDQ	Vai d'Or	6.56	316	ePn	Pn	23 14 01.1	+1.1
VLDQ				eSg	Sg	23 15 14.9	+0.2
VLDQ				eSb	Sb	23 15 47.9	+6.0
O56A	Blue Knob Stat	6.77	243	ePn	Pn	23 14 02.8	-0.2
O56A				ePb	Pb	23 14 33.2	+2.1
O56A				eSg	Sg	23 15 50.4	+8.1
O56A	Blue Knob Stat	6.77	243	P	Pn	23 14 02.2	-0.8
GBN	Guyborough	6.78	71	ePn	Pn	23 14 03.1	+0.2
GBN				eSg	Sg	23 15 17.6	-2.5
CHQG	Chibougamau	6.82	339	P	Pn	23 14 02.5	-1.0
M54A	Oil Creek Stat	6.98	256	ePn	Pn	23 14 06.9	+1.1
M54A				eSb	Sb	23 15 54.8	+6.7
M54A	Oil Creek Stat	6.98	256	P	Pn	23 14 05.6	-0.1
LSQO	Lebel-sur-Quev	7.01	324	P	Pn	23 14 03.6	-2.5
KLWO	Collingwood	7.01	280	P	Pn	23 14 03.8	-2.4
KLWO				P	Pn	23 14 03.4	-3.6

baz=101	ALLY	7.27	258	ePn	Pn	23 14 09.1	-0.6
ALLY	Alegheny Cole			eSb	Sb	23 16 02.2	+5.7
CBN	Corbin Frederi	7.41	226	ePn	Pn	23 14 10.3	-1.3
CBN				eSg	Sg	23 15 30.1	+5.5
CBN				eSg	Sg	23 15 13.0	-8.1
CBN	Corbin Frederi	7.41	226	P	Pn	23 14 11.2	-0.4
N54A	Moraine State	7.41	252	ePn	Pn	23 14 12.8	+1.1
N54A				eSb	Sb	23 16 06.1	+5.6
N54A	Moraine State	7.41	252	P	Pn	23 14 11.3	-0.3
BSW4	Walkerton	7.60	278	P	Pn	23 14 11.5	-2.8
ELFO	Elginfield	7.78	271	P	Pn	23 14 13.9	-2.8
MATO	Matagami	7.82	325	P	Pn	23 14 14.7	-2.6
R58B	Mineral	7.85	227	P	Pn	23 14 16.3	-1.5
MCWV	Mont Chateau	7.93	243	ePn	Pn	23 14 17.8	-1.0
MCWV				eSb	Sb	23 16 23.8	+8.3
MCWV	Mont Chateau	7.93	243	P	Pn	23 14 18.8	0.0
TOBO	Tolmory, Bru	7.96	286	P	Pn	23 14 17.7	-1.4
M51A	Elyria	8.82	259	P	Pn	23 14 31.1	+0.1
P53A	Whipple	9.04	247	ePn	Pn	23 14 33.8	-0.3
P53A	Whipple	9.04	247	P	Pn	23 14 33.7	-0.3
O52A	Adamsville	9.04	251	ePn	Pn	23 14 33.9	-0.1
O52A	Adamsville	9.04	251	P	Pn	23 14 33.3	-0.7
N51A	Ashland	9.10	257	ePn	Pn	23 14 34.2	-0.6
N51A	Ashland	9.10	257	P	Pn	23 14 34.4	-0.5
K49A	Clarkson	9.39	269	P	Pn	23 14 37.2	-1.7
M50A	Fremont	9.41	261	ePn	Pn	23 14 38.0	-1.2
M50A	Fremont	9.41	261	P	Pn	23 14 37.0	-2.1
P52A	Corning	9.47	249	P	Pn	23 14 38.8	-1.1
O51A	Pataskala	9.56	253	P	Pn	23 14 40.4	-0.8
AAM	Ann Arbor	9.63	267	ePn	Pn	23 14 40.9	-1.2
AAM				eLg	Lg	23 17 16.0	
AAM	Ann Arbor	9.63	267	P	Pn	23 14 41.0	-1.1
N50A	Nevada	9.70	257	P	Pn	23 14 42.1	-0.9
L49A	Millin	9.75	266	P	Pn	23 14 42.8	-1.0
ACSO	Alum Creek Sta	9.79	254	ePn	Pn	23 14 44.1	-0.2
ACSO				eLg	Lg	23 17 19.7	
ACSO	Alum Creek Sta	9.79	254	P	Pn	23 14 43.3	-1.0
BLA	Blacksburg	9.80	233	ePn	Pn	23 14 43.8	-0.7
BLA				eLg	Lg	23 17 17.5	
BLA	Blacksburg	9.80	233	P	Pn	23 14 42.8	-1.7
K48A	New Hope	9.87	270	P	Pn	23 14 44.0	-1.4
Q52A	Bidwell	9.89	246	P	Pn	23 14 44.5	-1.1
CNCC	Cliffs of the	10.04	216	ePn	Pn	23 14 46.0	-1.7
CNCC				eSg	Sg	23 16 32.9	-7.5
CNCC	Cliffs of the	10.04	216	P	Pn	23 14 46.3	-1.5
M49A	Liberty Center	10.06	262	P	Pn	23 14 46.2	-1.8
GLMI	Grayling	10.11	282	ePn	Pn	23 14 47.8	-0.9
GLMI				eLg	Lg	23 17 33.9	
GLMI	Grayling	10.11	282	P	Pn	23 14 47.9	-0.8
P51A	Williamsport	10.17	250	P	Pn	23 14 49.1	-0.4
O50A	Cable	10.27	255	P	Pn	23 14 49.4	-1.5
L48A	N Adams	10.27	266	P	Pn	23 14 49.0	-1.9
F46A	Macinaw City C	10.29	287	P	Pn	23 14 49.4	-1.7
J47A	Sunter	10.32	273	P	Pn	23 14 49.8	-1.8
N49A	Columbus Grove	10.38	260	ePn	Pn	23 14 51.4	-1.1
N49A	Columbus Grove	10.38	260	P	Pn	23 14 51.3	-1.1
R52A	Cattlettsburg	10.48	244	P	Pn	23 14 52.2	-1.6
K47A	Vermontville	10.53	270	P	P		

J41A	Loganville	14.07 276	P	Pn	23 15 39.7	-3.0
G40A	Rib Lake	14.07 284	ePn	Pn	23 15 41.7	-1.2
G40A	Rib Lake	14.07 284	P	Pn	23 15 40.8	-2.1
P44A	Sand Creek, Wi	14.08 259	P	Pn	23 15 41.3	-1.6
W50A	Signal Mountai	14.08 238	ePn	Pn	23 15 41.8	-1.3
W50A	Signal Mountai	14.08 238	P	Pn	23 15 41.0	-2.0
V49A	McMinville	14.10 241	P	Pn	23 15 41.5	-1.7
T47A	Sharon Grove	14.18 248	ePn	Pn	23 15 42.8	-1.5
T47A	Sharon Grove	14.18 248	P	Pn	23 15 42.6	-1.7
HD1L	Hopedale	14.18 264	ePn	Pn	23 15 42.3	-2.0
HD1L	Hopedale	14.18 264	eLg	Lg	23 19 40.7	
HD1L	Hopedale	14.18 264	P	Pn	23 15 42.1	-2.2
257A	Skidaway Islan	14.19 219	ePn	Pn	23 15 43.4	-1.1
H40A	Chili	14.22 281	P	Pn	23 15 42.1	-2.8
S46A	Don Dixon Farm	14.23 251	P	Pn	23 15 42.4	-2.6
X51A	Calhoun	14.23 235	ePn	Pn	23 15 44.4	-0.6
X51A	Calhoun	14.23 235	P	Pn	23 15 42.7	-2.4
Y52A	Libburn	14.26 232	ePn	Pn	23 15 44.4	-1.1
Y52A	Libburn	14.26 232	P	Pn	23 15 43.2	-2.3
GOGA	Godfrey	14.27 229	ePn	Pn	23 15 42.6	-2.9
GOGA	Godfrey	14.27 229	eLg	Lg	23 19 47.4	
GOGA	Godfrey	14.27 229	P	Pn	23 15 42.3	-3.3
JFWS	Jewell Farm	14.30 274	ePn	Lg	23 15 42.5	-3.5
JFWS	Jewell Farm	14.30 274	eLg	Lg	23 19 45.5	
JFWS	Jewell Farm	14.30 274	P	Pn	23 15 41.9	-4.1
R45A	Skylar, Fairfi	14.33 254	P	Pn	23 15 43.0	-3.4
155A	Kite	14.35 224	P	Pn	23 15 44.0	-2.7
E39A	Mellen	14.36 288	P	Pn	23 15 42.4	-4.4
K41A	Shullsburg	14.40 273	P	Pn	23 15 43.0	-4.2
I40A	Norwalk	14.44 278	P	Pn	23 15 44.4	-3.5
SWET	Sewanee	14.46 240	ePn	Pn	23 15 46.9	-1.4
256A	Glennville	14.59 221	P	Pn	23 15 48.2	-1.7
F39A	Loretta	14.59 286	P	Pn	23 15 45.6	-4.3
J40A	Soldiers Grove	14.59 276	P	Pn	23 15 46.3	-3.6
U47A	Clarksville	14.60 246	P	Pn	23 15 47.7	-2.4
N42A	Yates City	14.63 266	P	Pn	23 15 48.5	-2.0
L41A	Preston	14.65 271	P	Pn	23 15 47.2	-3.5
P43A	Skaggs, Pawnee	14.66 261	P	Pn	23 15 47.2	-3.6
T46A	Princeton	14.68 249	P	Pn	23 15 48.0	-3.1
V48A	Smith Brothers	14.70 243	ePn	Pn	23 15 50.3	-1.2
V48A	Smith Brothers	14.70 243	P	Pn	23 15 49.6	-1.9
W49A	Belvidere	14.73 240	P	Pn	23 15 49.3	-2.6
G39A	Holcombe	14.76 284	P	Pn	23 15 48.1	-4.1
X50B	Fort Payne	14.78 237	P	Pn	23 15 50.4	-2.2
S45A	Carrier Mills	14.83 253	P	Pn	23 15 51.0	-2.2
M41A	Milan	14.85 268	P	Pn	23 15 50.1	-3.3
H39A	Augusta	14.86 281	P	Pn	23 15 50.6	-2.9
R44A	Waltonville	14.91 255	P	Pn	23 15 50.5	-3.9
255A	Hazlehurst	14.92 231	P	Pn	23 15 52.5	-1.9
Z52A	Williamson	14.96 231	P	Pn	23 15 53.0	-2.0
K40A	Colesburg	14.99 274	P	Pn	23 15 52.2	-3.1
Q43A	New Douglas	15.05 259	P	Pn	23 15 53.2	-3.0
E38A	The Farm, Brul	15.06 289	P	Pn	23 15 51.3	-5.0
I39A	Houston	15.10 278	P	Pn	23 15 52.8	-3.9
V47A	Nunnely	15.11 245	P	Pn	23 15 54.4	-2.5
WVT	Waverly	15.14 246	ePn	Pn	23 15 55.5	-1.9
WVT	Waverly	15.14 246	P	Pn	23 15 54.8	-2.6
W48A	Pulaski	15.14 242	P	Pn	23 15 55.3	-2.1
X49A	Woodville	15.16 239	P	Pn	23 15 55.4	-2.3
L40A	Anamosa	15.17 271	ePn	Pn	23 15 56.1	-1.7
L40A	Anamosa	15.17 271	P	Pn	23 15 53.2	-4.6
EYMN	Ely	15.18 294	ePn	Pn	23 15 52.1	-5.7
EYMN	Ely	15.18 294	eSn	Sn	23 18 45.7	-0.1
EYMN	Ely	15.18 294	eLg	Lg	23 20 13.4	
EYMN	Ely	15.18 294	P	Pn	23 15 52.5	-5.3
Y50A	Piedmont	15.22 236	P	Pn	23 15 57.3	-1.2
U46A	Springville	15.24 248	P	Pn	23 15 56.3	-2.4
G38A	Ridgeland	15.24 283	P	Pn	23 15 54.4	-4.3
SIUC	Southern Illin	15.26 254	ePn	Pn	23 15 57.8	-1.1
F38A	Pierce - Schro	15.26 286	P	Pn	23 15 54.3	-4.6
N41A	Harden Midland	15.26 266	ePn	Pn	23 15 56.3	-2.6
N41A	Harden Midland	15.26 266	P	Pn	23 15 55.3	-3.6
P42A	Winchester	15.27 262	P	Pn	23 15 55.2	-3.9
J39A	Decorah	15.29 276	P	Pn	23 15 56.3	-3.1
O41A	Passleys Farm,	15.47 264	P	Pn	23 15 57.9	-3.7
W47A	Westpoint	15.50 243	P	Pn	23 15 59.9	-2.3
R43A	Red Bud	15.50 257	P	Pn	23 15 59.4	-2.7
152A	Waverly Hall	15.52 230	ePn	Pn	23 16 01.1	-1.3
152A	Waverly Hall	15.52 230	P	Pn	23 16 00.2	-2.1
V46A	Holladay	15.52 246	P	Pn	23 15 59.1	-3.2
K39A	Oelwein	15.53 274	P	Pn	23 15 58.5	-4.0
M40A	Post Highland	15.54 269	P	Pn	23 15 59.2	-3.4
H38A	Maiden Rock	15.57 281	P	Pn	23 16 00.8	-2.2
X48A	Hartselle	15.65 240	ePn	Pn	23 16 02.2	-1.9
X48A	Hartselle	15.65 240	P	Pn	23 16 02.2	-1.9
Y49A	Blount Mountai	15.65 237	ePn	Pn	23 16 03.4	-0.8
Y49A	Blount Mountai	15.65 237	P	Pn	23 16 02.7	-1.4
Q42A	Golden Eagle	15.66 259	P	Pn	23 16 02.4	-1.8
L39A	Winton	15.73 272	P	Pn	23 16 02.2	-2.9
N40A	Mertquake, Sal	15.74 267	P	Pn	23 16 02.1	-3.0
P41A	Barry, Barry	15.75 263	P	Pn	23 16 00.6	-4.8
F37A	Hinrichs Farm,	15.78 285	P	Pn	23 16 01.8	-3.9

Z50A	Ashland	15.78 234	ePn	Pn	23 16 04.5	-1.3
Z50A	Ashland	15.78 234	P	Pn	23 16 03.3	-2.4
SPMN	Marine on St.	15.91 284	ePn	Pn	23 16 06.3	-1.1
SPMN	Marine on St.	15.91 284	P	Pn	23 16 04.6	-2.8
S43A	Fulton Ridge,	15.92 254	P	Pn	23 16 05.1	-2.5
PLAL	Pickwick Lake,	15.98 243	ePn	Pn	23 16 07.4	-0.8
FVM	French Village	15.98 256	ePn	Pn	23 16 06.1	-2.2
M39A	Webster	16.00 270	P	Pn	23 16 05.1	-3.5
Y48A	Jasper	16.08 239	P	Pn	23 16 07.8	-1.9
R42A	Ueberbering	16.11 258	P	Pn	23 16 07.1	-2.8
X47A	Russelville	16.12 242	P	Pn	23 16 06.7	-3.5
Q41A	Truxton	16.14 260	P	Pn	23 16 07.1	-3.3
T43A	Greenville	16.31 253	P	Pn	23 16 10.3	-2.2
251A	Midway	16.33 230	P	Pn	23 16 10.4	-2.5
S42A	Caledonia	16.34 256	P	Pn	23 16 10.1	-2.8
N39A	Derby Farms, D	16.41 268	P	Pn	23 16 09.7	-4.1
R41A	Rosebud	16.52 258	P	Pn	23 16 11.8	-3.4
CCM	Cathedral Cave	16.53 257	ePn	Lg	23 16 13.2	-2.1
CCM	Cathedral Cave	16.53 257	eLg	Lg	23 20 55.7	
CCM	Cathedral Cave	16.53 257	P	Pn	23 16 12.8	-2.5
352A	Blakely	16.54 228	ePn	Pn	23 16 15.8	+0.3
PBMO	Poplar Bluff	16.56 252	ePn	Pn	23 16 16.0	+0.3
X46A	Booneville	16.57 243	P	Pn	23 16 15.2	-0.7
LRAL	Lakeview Retre	16.57 236	ePn	Pn	23 16 17.3	+1.4
LRAL	SCIA	16.66 272	eLg	Lg	23 20 54.9	
LRAL	SCIA	16.66 272	ePn	Pn	23 16 13.8	-3.1
LRAL	SCIA	16.66 272	eLg	Lg	23 20 57.2	
LRAL	SCIA	16.66 272	P	Pn	23 16 14.0	-2.9
Z48A	Northport	16.68 238	P	Pn	23 16 16.2	-1.1
U43A	Rector	16.75 251	P	Pn	23 16 16.4	-1.8
149A	Jones	16.76 234	P	Pn	23 16 16.7	-1.5
K37A	Belmond	16.79 275	P	Pn	23 16 15.1	-3.4
T42A	Van Buren	16.89 254	ePn	Pn	23 16 17.8	-2.1
T42A	Van Buren	16.89 254	P	Pn	23 16 17.7	-2.3
656A	Willston	17.09 218	ePn	P	23 16 23.8	-0.4
S41A	Jilco Farms,	17.09 257	P	Pn	23 16 20.0	-2.4
Z47A	Carrollton	17.12 239	P	Pn	23 16 20.6	-2.1
OXF	Oxford	17.13 244	ePn	Pn	23 16 22.5	-0.5
OXF	Oxford	17.13 244	eLg	Lg	23 21 14.6	
OXF	Oxford	17.13 244	P	Pn	23 16 21.2	-1.8
X45A	UM Field Stati	17.18 244	P	Pn	23 16 21.4	-2.1
148A	Gresboro	17.19 236	P	Pn	23 16 21.6	-2.1
U42A	Reviden	17.34 252	P	Pn	23 16 23.0	-2.5
T41A	Mountain View	17.36 255	P	Pn	23 16 23.5	-2.4
K36A	Gilmore City	17.40 275	P	Pn	23 16 23.0	-3.2
147A	Livingston	17.60 238	ePn	Pn	23 16 30.6	+0.8
Y45A	Yeager Farm, C	17.62 243	P	Pn	23 16 27.1	-1.9
L36A	Harm Buss Farm	17.67 273	P	Pn	23 16 26.4	-3.2
V42A	Cord	17.73 251	P	Pn	23 16 29.2	-1.1
U41A	Viola	17.81 253	P	Pn	23 16 30.2	-1.2
T40A	Matfield	17.84 256	P	Pn	23 16 27.8	-3.1
Q38A	Cooks Store, C	17.86 263	P	Pn	23 16 28.7	-4.1
AGMN	Agassiz Nation	18.12 294	ePn	Pn	23 16 31.6	-3.6
AGMN	Agassiz Nation	18.12 294	eLg	Lg	23 21 46.8	
AGMN	Agassiz Nation	18.12 294	P	Pn	23 16 31.3	-3.9
S39A	Bolivar	18.16 259	ePn	Pn	23 16 33.2	-2.5
S39A	Bolivar	18.16 259	P	Pn	23 16 33.3	-2.5
V41A	Mountainview	18.27 252	P	Pn	23 16 34.2	-2.8
ULM	Lac du Bonnet	18.42 300	Pn	Pn	23 16 33.8	-4.9
ULM	ULM	1.4nm,0.3s,baz=107,slo=13,SNR=9.5	Sn	Sn	23 19 47.5	-1.7
ULM	ULM	0.5nm,0.3s,baz=197,slo=23,SNR=3.5	Lg	Lg	23 21 45.5	
U40A	Yerville	18.46 254	P	Pn	23 16 37.3	-2.0
T39A	Cleaver	18.51 257	P	Pn	23 16 38.3	-1.5
S38A	Stockton	18.61 259	P	Pn	23 16 39.5	-1.4
WHAR	Woolly Hollow	18.62 251	eP	P	23 16 39.1	-2.0
W41B	Gary Mavity, V	18.66 251	eP	P	23 16 40.6	-0.9
W41B	Gary Mavity, V	18.66 251	P	P	23 16 40.1	-1.3
V40A	Witts Springs	18.72 253	eP	P	23 16 41.3	-0.9
V40A	Witts Springs	18.72 253	P	P	23 16 40.5	-1.7
ECSD	EROS Data Cent	18.77 279	eP	Lg	23 16 42.2	-0.4
ECSD	EROS Data Cent	18.77 279	eLg	Lg	23 21 57.7	
ECSD	EROS Data Cent	18.77 279	P	P	23 16 40.6	-2.1
U39A	Green Forest	18.89 255	P	P	23 16 42.8	-1.2
UALR	University of	18.94 250	eP	P	23 16 44.4	-0.2
T38A	Diamond	19.15 258	P	P	23 16 45.3	-1.5
W40A	Ferguson Farm,	19.21 252	P	P	23 16 45.9	-1.6
HHAR	Hobbs	19.26 256	eP	P	23 16 48.3	+0.2
V39A	Pettigrew	19.27 254	P	P	23 16 47.7	-0.5
X40A	Basin Creek Fa	19.44 250	eP	P	23 16 50.8	+0.8
X40A	Basin Creek Fa	19.44 250	P	P	23 16 50.0	0.0
Y41A	Eaglette Beard	19.64 248	P	P	23 16 53.1	+0.9
W39A	Magazine	19.70 253	eP	P	23 16 52.9	0.0
W39A	Magazine	19.70 253	P	P	23 16 52.2	-0.7
MIAR	Mount Ida	19.91 251	eP	P	23 16 55.2	0.0
MIAR	Mount Ida	19.91 251	P	P	23	

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like AF1 Afiamalu, ARPS Mount Arapiles, RAR Rarotonga, etc.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like KLBK Kellerberrin, KWAJ Kwajalein Atol, FITZ Fitzroy Crossi, etc.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like LAMP Lampang, USA0B Ussuriysk Arra, USRK Ussuriysk Arr, etc.

Table with columns: BRVK, Borovoye, 128.72, 312, ePKPdf, PKPdf, 00 01 47.6 -1.3, etc. Lists various astronomical objects and their properties.

Table with columns: TOAO, TORD, Torodi Ar. Bea, 154.03, 193, ePKPab, PKPab, 00 02 56.5 +0.3, etc. Lists astronomical objects and their properties.

Table with columns: comp=Z, 0.0nm, 0.2s, ZHFS, Zahedan, 3.04, 43, ePn, Pn, 23 44 44.6 +2.3, etc. Lists astronomical objects and their properties.

IDC 16 23:43:44.9-2.8, 27:67N:58:22E, h0km, mb3.7/5, mb1 3.8/5, mb1mx3.5/37, mbtmp3.7/5, Error ellipse: s-maj=62.7km s-min=29.5km az=149.0

TEH 16 23:43:51.0, 27:78N:58:42E, h10km, ML3.8 THR 16 23:43:53.0, 27:46N:58:18E, h14km, 7km, ML3.5 DSN 16 23:43:58.2, 19:27:36N:58:28E, h15km, ML3.4/10, Error ellipse: s-maj=28.8km s-min=10.1km az=168.0

OMAN 16 23:44:01.8, 19:27:18N:58:30E, h18km, Error ellipse: s-maj=20.9km s-min=11.9km az=153.0 ISC 16 23:43:47.9-0.8, 27:39N:0:04:58.41E:0.03, h10km, n59, z222/62, mb3.9/5, Southern Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists station data for various locations.

JMA 16 23:51:03.7-0.2, 37:52N:142:90E, h24km, 4km, M3.5, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists station data for JMA stations.

ISCJB 17 00:05:37.5-0.6, 37:27N:0:07:37.11E:0.04, h10km, 7km, Error ellipse: s-maj=11.5km s-min=4.5km az=17.0

DDA 17 00:05:37.1, 37:32N:37:10E, h7km, ML3.0 ISK 17 00:05:37.2, 37:28N:37:10E, h8km, ML3.1/7

ISC 17 00:05:37.2, 1, 0, 37:31N:0:04:37.11E:0.03, h10km, 9km, n14, c0=07/19, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists station data for ISCJB stations.

Table with columns: Code, Station Name, Az, El, P, S, N, Res. Includes stations like ASAK Asacha, GRL Gorely, SPN Mys Shipunski, etc.

Table with columns: Code, Station Name, Az, El, P, S, N, Res. Includes stations like FAKI Sorong, SIJI Sorong, RKPI Ransiki, etc.

Table with columns: Code, Station Name, Az, El, P, S, N, Res. Includes stations like 341A Kurthwood, 341A Kurthwood, 553A Crawfordville, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like X47A Russelville, UALR University of, X48A Hartsdale, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like LAZ Lador, Q42A Golden Eagle, Q41A Truxton, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like ELBS KAHRAMANMARAS1, ELBS Kozan, etc.

ISK 17 01:57:02.6, 37:30N, 37:11E, h8km, ML2.8/8
ISCJB 17 01:57:03.0, 37:30N, 37:13E, h8km, 5km,
Error ellipse: s-maj=5.9km s-min=4.5km az=0.5
DDA 17 01:57:03.0, 37:28N, 37:14E, h25km, M13.4
ISC 17 01:57:03.0, 37:28N, 37:14E, 0.03, h14km, 7km,
n26, c0883/31, Turkey

ISK 17 01:58:08.9, 37:28N, 37:16E, h12km, ML2.4/7
ISCJB 17 01:58:09.3, 37:30N, 37:13E, 0.04, h10km, 6km,
Error ellipse: s-maj=7.8km s-min=5.7km az=15.7
DDA 17 01:58:09.2, 37:27N, 37:13E, h7km, M13.2
ISC 17 01:58:08.9, 1.1, 37:28N, 37:13E, 0.04, h8km, 10km,
n14, c0868/17, Turkey

SOME 17 01:58:58.0, 40:33N, 77:12E, h5km
KRNET 17 01:58:58.7, 40:33N, 77:12E, mb3.1
NMC 17 01:58:59.1, 3.6, 40:42N, 77:24E, h0km, mb3.6, mpv3.2,
Error ellipse: s-maj=30.5km s-min=14.8km az=143.0
ISC 17 01:58:58.8, 1.3, 40:41N, 77:31E, 0.03, h10km, n55,
c190/94, 34C-16D, Kyrgyzstan-Xinjiang border region

comp=Z.352nm,21.2s,baz=246,slow=30	BRTR Keskin Array B	151.85 304	PKPbc	PKPbc	02 34 48.0	-0.1
HNR Honiara	28.19 305 LR	02 31 16.5				
VAH Vahoa	29.74 72 eT	02 51 05.5				
TARA Tarawa	30.17 339 eP	02 201 02.0	-2.3			
CTA Charters Tower	34.40 274 P	02 21 42.1	+0.7			
STKA Stephens Creek	36.20 253 P	02 21 57.6	+0.8			
STKA	36.20 253 eLR	02 35 29.1				
RKT Rikitea	38.04 93 eLR	02 32 15.0				
TAOE Nuku Hiva Isla	39.28 69 eLR	02 32 46.2				
BBOO Buckleboo	40.80 251 eP	02 22 35.1	-0.3			
AS01 Alice Springs	44.28 263 eP	02 23 03.8	+0.1			
AS01 Alice Springs	44.28 263 eP	02 23 04.5	+0.4			
ASAR Alice Springs	44.32 263 eP	02 23 04.5	+0.4			
ASAR	44.32 263 eP	02 41 35.5				
WB2 Warramunga Arr	45.03 269 eP	02 23 07.0	0.0			
WRAB Tennant Creek	45.03 269 eP	02 23 08.4	-1.3			
WR1 Warramunga Arr	45.04 269 eP	02 23 10.0	+0.2			
WR1 Warramunga Arr	45.04 269 eP	02 24 50.5	+0.5			
WRA Warramunga Arr	45.04 269 eP	02 23 10.0	+0.2			
WRA	45.04 269 eP	02 24 50.5	+0.4			
JAY Jayapura	47.45 594 LR	02 41 37.3				
VNDA Vanda	51.21 186 P	02 23 59.5	+2.8			
VNDA	51.21 186 P	02 41 50.1				
FITZ Fitzroy Crossi	53.40 267 eP	02 24 13.9	+0.2			
FITZ Fitzroy Crossi	53.40 267 eP	02 46 46.3				
FITZ Fitzroy Crossi	53.40 267 eP	02 24 13.9	+0.2			
GUMO Guam	55.06 313 LR	02 45 28.9				
SUJI Sorong	56.41 247 LR	02 24 36.0	+2.1			
SUJI	56.41 247 LR	02 47 27.7				
NWAO Narou (SRO)	56.41 247 LR	02 47 51.9				
BATI Baumata	58.28 275 LR	02 48 59.3				
QSPA South Pole Qui	62.75 190 eP	02 25 21.7	+3.2			
DAV Davao City (W)	65.28 283 LR	02 50 19.3				
MAW Mawson	75.49 200 P	02 26 38.4	+1.3			
MAW	75.49 200 P	02 59 18.8				
MAW	75.49 200 eP	02 26 37.7	+0.5			
MJAR Matsushiro Arr	76.31 324 P	02 26 42.9	+0.6			
MJAR	76.31 324 P	02 54 48.2				
MAJO Matsushiro	76.32 324 eP	02 26 42.9	+0.6			
MAT Matsushiro	76.32 324 eP	02 27 02.2	-1.6			
SYO Syowa Base	80.29 1931 eP	02 27 05.4	+1.6			
SYO Syowa Base	80.29 1931 eP	02 27 10.0	+6.2			
SNAA Sanae	81.18 178 eP	02 27 07.7	-0.8			
SNAA	81.18 178 eP	02 27 07.4	-1.1			
VNA3 Neumayer Olymp	81.17 176 P	02 27 08.4	-0.7			
VNA2 Neumayer-Watz	81.17 177 P	02 27 10.4	-0.9			
BPOM Post Bam	81.83 42 eP	02 27 13.9	+1.5			
VNA1 Neumayer-Stat	81.94 176 P	02 27 11.5	-1.0			
PANM San Antonio Re	82.05 43 eP	02 27 13.7	+0.1			
KSR5 Korea Array	82.67 319 P	02 27 18.4	+1.6			
KSR5	82.67 319 P	03 00 28.1				
KS15 Wonju Array Si	82.69 319 eP	02 27 18.4	+1.5			
KSAR Wonju Array Be	82.69 319 eP	02 27 18.4	+1.5			
KS01 Wonju Array Si	82.71 319 eP	02 27 18.5	+1.5			
PETK Petrovskaya	83.12 42 eP	02 27 18.6	-0.1			
PETK	83.12 42 eP	02 57 09.8				
PEA1 Paso Flores	83.87 133 eP	02 27 18.6	-0.1			
PLCA Paso Flores	83.87 133 eP	02 27 25.8	+2.5			
PLCA	83.87 133 eP	02 55 47.8				
USRK Usuriysk Arr	85.17 326 P	02 27 31.4	+2.1			
NV01 Mina Array Hat	85.35 42 eP	02 27 35.2	+4.5			
NVAR Mina Array Be	85.35 42 eP	02 27 32.6	+1.9			
NVAR	85.35 42 eP	02 58 32.9				
PSI Prapat	86.10 275 eP	02 27 34.2	-0.7			
PSI	86.10 275 eP	02 27 34.2	-0.7			
GSI Gunungsitoli	86.61 273 eP	02 27 38.7	+1.5			
KLR Kul'dur	88.91 329 P	02 27 48.4	+1.1			
TX31 Lajitas Ar. Si	89.93 57 eP	02 27 56.8	+4.0			
LTX Lajitas	89.93 57 eP	02 27 54.0	+1.2			
TXAR Lajitas Array	89.93 57 eP	02 28 01.2	+4.3			
HLID Hailey	90.87 40 eP	02 28 03.4	-2.7			
REDW Red Top Meadow	92.83 42 eP	02 28 09.8	+1.8			
PD31 Pinedale Array	93.27 43 eP	02 28 09.8	+1.8			
PDAR Pinedale Array	93.27 43 eP	03 04 07.1				
CM31 Chiang Mai Arr	93.31 289 eP	02 28 10.5	+1.9			
CMAR Chiang Mai Arr	93.31 289 eP	02 28 10.5	+1.9			
NNA Nana	93.31 105 LR	03 00 49.0				
IL1 Eielson Array	94.75 12 eP	02 28 13.4	-0.7			
ILAR Eielson Array	94.75 12 eP	02 28 13.1	-1.0			
ILB Eielson Array	94.75 12 eP	02 28 13.1	-1.0			
LPAZ La Paz	98.49 113 LR	03 03 23.0				
ARAO ARCESS Array S	135.81 449 ePKP	02 34 13.9	+1.0			
ARCES ARCESS Array B	135.81 449 ePKP	02 34 13.9	+1.0			
FINES FINES Array B	142.59 342 PKhKP	02 34 23.1				
KBZ Khabaz	144.11 308 PKP	02 34 27.2	-1.4			
NB2 NORSAR Subarra1	145.87 353 PKP	02 34 31.5	-0.9			
NB0A NORSAR Array S	145.87 353 ePKP	02 34 29.9	-1.3			
NB0A NORSAR Array B	145.87 353 ePKP	02 34 29.9	-1.3			
AKASG Malin Array Be	149.38 327 PKPbc	02 34 41.3	-0.4			
AKAB Malin Array Si	149.38 327 ePKPbc	02 34 41.6	-0.2			
KIEV Kiev	149.42 327 ePKPbc	02 34 41.6	-0.2			
AK11 Malin Array Si	149.42 327 ePKPbc	02 34 48.0	-0.1			
BR101 Keskin Array S	151.85 304 ePKPbc	02 34 56.4	-1.7			
BR101 Keskin Array S	151.85 304 ePKPbc	02 34 48.5	+0.4			

BRTR Keskin Array B	151.85 304	PKPbc	PKPbc	02 34 48.0	-0.1
BRTR	151.85 304	PKPbc	pPKPbc	02 34 56.4	-1.7
CSS Mathiati	153.11 294 ePKP	02 35 02.3	-0.4		
BUR04 Bucovina Ar. S	153.38 325 ePKP	02 35 04.7	+1.2		
CLL Colim	154.93 345 ePKP	02 35 04.3	+0.8		
CLL	154.93 345 ePKP	02 35 56.0	+1.8		
VTS Vitoshia	157.66 318 ePKP	02 35 24.1	+2.1		
TOAD Torodi Ar. Sit	165.81 174 ePKP	02 35 56.7	-1.2		
TOR0 Torodi Ar. Be	165.81 174 ePKP	02 35 56.7	-1.2		
TOA1 Torodi Ar. Sit	165.81 174 ePKP	02 35 56.7	-1.2		
ESDC Torodi Ar. Be	165.81 174 ePKP	02 35 56.7	-1.2		

IDC 17 02:15:28.8; 1.5, 13'.48N; 89.35W, h0km, mb3.8/5,
 mb1 4.1/6, mb1mx3.7/34, mbtmp3.9/6, MS3.2/2, Ms1 3.2/2,
 ms1mx2.7/27, Error ellipse: s-maj=50.8km s-min=25.0km
 az=51.0
 ISJCJB 17 02:15:34.7; 1.2, 13'.4N; 02:89.3W; 0.2, h66km, mb4.0/4,
 Error ellipse: s-maj=39.9km s-min=19.7km az=35.7
 ISJC 17 02:15:36.2; 1.2, 13'.4N; 02:89.7W; 0.2, h66km, n9, s165/7,
 mb4.0/4, El Salvador

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
CMIG	Matias Romero	6.19 307	Op	Pn	02 17 03.7	-1.2
CMIG	baz=114,slow=10					
TXAR	Lajitas Array	20.47 323 P	Pn	Pn	02 20 11.0	-0.4
TKL	Tuckachee C	22.80 119 LR	LR	LR	02 29 54.4	
SADO	Sadowa	32.54 14 LR	LR	LR	02 34 15.9	
NVAR	Mina Array Be	35.55 329 P	P	P	02 22 30.1	+2.7
LPAZ	La Paz	36.41 143 P	P	P	02 22 34.9	-0.5
ULM	Lac Du Bonnet	37.09 353 P	P	P	02 22 39.1	-1.0
SCHO	Schefferville	45.05 19 P	P	P	02 23 45.3	-0.1
CMAR	Chiang Mai Arr	147.22 345 PKPbc	PKPbc	PKPbc	02 35 13.4	+0.4

ISJCJB 17 02:17:37.6; 0.8, 11'.17N; 05:122.12E; 0.06, h30km, gkm,
 mb3.6/3, Error ellipse: s-maj=9.4km s-min=8.3km az=19.4
 MAN 17 02:17:37.3; 1.1, 22'.22N; 122.09E, h25km, mb4.4, ML3.3,
 MS3.0
 IDC 17 02:17:38.1; 1.6, 10'.58N; 121.70E, h0km, mb3.6/3,
 mb1 4.0/4, mb1mx3.5/41, mbtmp3.8/4, ML4.6/1, MS3.0/1,
 Ms1 3.0/1, ms1mx2.5/38, Error ellipse: s-maj=59.4km
 s-min=21.2km az=63.0

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
JAP	San Jose, Anti	0.45 196	Op	Pb	02 17 47.7	-0.4
GUM	San Jose	0.75 137	eP	Pb	02 17 51.3	-1.8
CUYU	Roxas	0.76 601	eP	Pb	02 18 07.0	+2.5
CUYO	Cuyo Island	1.09 252	eP	Pb	02 17 56.8	-2.0
OTRP	Odiongan	1.17 358	eP	Pn	02 18 12.3	-0.2
OTRP	San Jose	1.58 324	eS	Pn	02 18 15.6	+1.0
BUSP	Busan	2.01 294	eP	Pn	02 18 03.3	-1.5
LLP	Lapu-Lapu	2.05 115	eP	Sb	02 18 45.0	+5.9
BLAC	Boac	2.27 354	eP	Sb	02 18 40.8	+0.5
TGY	Tagytagay City	3.11 339	Pn	Pb	02 18 11.7	-2.9
TGY	57nm, 0.3s, baz=277, slow=13, SNR=4.9					
DAV	Davao City (W)	5.36 139 LR	LR	LR	02 21 28.0	
CMAR	Chiang Mai Arr	23.48 291 P	P	P	02 22 48.4	+1.8
WRA	Warramunga Arr	33.20 159 P	P	P	02 24 13.2	-0.4
ASAR	Alice Springs	36.52 162 P	P	P	02 24 41.9	-0.3

ISK 17 02:20:44.5; 37.24N; 37.09E, h14km, ML2.0/6
 ISJCJB 17 02:20:45.0; 2.0, 6.37'23N; 05:37.07E; 0.04, h10km, gkm,
 Error ellipse: s-maj=8.0km s-min=4.5km az=19.4
 DDA 17 02:20:45.1; 37.27N; 37.10E, h7km, ML2.7
 ISJC 17 02:20:45.2; 0.9, 37.28N; 05:37.09E; 0.03, h14km, gkm,
 n14, c054/23, Turkey

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
GAZ	Gaziantep	0.14 137	PG	Pg	02 20 48.3	-0.7
KUZU	Kuzuzini	0.50 181	IP	Sg	02 20 50.8	-0.7
KUZU	Andirin	0.67 297	IP	Sg	02 21 07.6	+1.0
ANDN	Andirin	0.67 297	IP	Sg	02 21 07.6	+1.0
ATAB	Bozova	0.98 78	IP	Pb	02 21 03.9	-1.1
KOZT	Kozan	1.03 282	PG	Pg	02 21 17.2	+0.5
ELBS	KAHRAMANMARAS.05	1.2	IP	Pn	02 21 06.0	+0.4
ELBS	SAIM ADANA	1.06 311	IP	Pg	02 21 05.2	-0.6
SAIM	Tahtakopr-Hat	1.15 219	PN	PN	02 21 19.4	-0.2
AKCD	AKCAD	1.21 33	IP	Pn	02 21 08.1	+0.2
AKCD	SANLIURFA_SURC	1.28 108	IP	Sg	02 21 24.2	-0.2
SURC	Darende-Malaty	1.33 113	PN	Pn	02 21 25.1	-0.4
SURC	Urfa	1.39 83	PN	PN	02 21 10.1	+0.1
SANL	SANLIURFA_Merk	1.52 93	IP	Pb	02 21 13.1	-0.1
SANL	Sivrice-ELAZID	2.07 57	PN	PN	02 21 20.5	+0.8

ISJCJB 17 02:21:43.7; 0.6, 37

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like Paso Flores, Cabo Rojo, San Juan, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like Circle Bar Ran, Modoc Plateau, BMO, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like Kilo, E45A, GTO, etc.

IDC 17 02:29:33.4.1.1, 0.52N, 123.87E, h0km, mb4.0/5, mb1.4/2.6, mb1mx3.8/33, mbtmp4.1/6, ML4.3/1, Error ellipse: s-maj=107.5km, s-min=44.8km az=101.0

ISCJB 17 02:29:50.0.0.5, 0.09N, 107.123.47E, 0.05, h162km, mb3.8/5, Error ellipse: s-maj=9.5km, s-min=6.5km az=2.6

DJA 17 02:29:50.6.0.5.0, N4.4x12.3E, h152km, 5km, M3.9/7, MLV3.9/7

ISC 17 02:29:50.6.0.5.0, 0.04N, 107.123.49E, 0.05, h162km, n13, i=143/17, mb3.9/5, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like KMSI, LUWI, MRSI, etc.

OTT 17 02:32:38.8.0.4, 48.48N, 83.28W, h18km, MN3.0/18, 72km northeast from Chapleau, On

ISC 17 02:32:36.8.1.8, 48.45N, 0.03, 83.27W, 0.03, h14km, n13km, n36, i=6161/63, Ontario

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like KAPO, PNPO, SULO, etc.

ISK 17 02:35:04.3.37.36N, 37.17E, h13km, ML1.9/6, DJA 17 02:35:08.6.37.33N, 37.27E, h7km, ML2.8

ISC 17 02:35:05.1.1.37, 38N, 0.04, 37.18E, 0.03, h8km, n10km, n11, i=187/17, Turkey

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like GAZ, KUZU, ANDN, etc.

ISC 17 02:35:05.3.9.20, 74S, 70.04W, h0km, mb3.9/1, mb1.4/1.2, mb1mx3.6/22, mbtmp4.0/2, ML4.2/1, MS4.3/4

ISCJB 17 02:35:10.7.13.19, 63S, 0.04, 70.57W, 0.07, h18km, n10km, mb3.7/1, MS4.3/4, Error ellipse: s-maj=11.6km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like PSRG, KAPO, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

couple: M2.86000x1014 NP1.9199.000000, 823.000000, 1-97.000000, NP2.26.000000, 867.000000, 1-87.000000, 17:03:22.8.0.9, 37:01N.0.04:141.43E.0.09, h47km, 8km, mb3.7/5, MS3.6/1, Error ellipse: s-maj=11.8km s-min=6.0km az=14.2

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

ISCJB 17 03:30:45.8.0.1, 18:59N.0:02:70:81W.0:02, h10km, mb4.5/157, MS3.9/21, Error ellipse: s-maj=2.8km s-min=1.9km az=25.2

Table with columns: Code, 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.

V52A	Sevierville	20.64 329 eP	P	03 35 26.7 -0.7
V52A	Sevierville	20.64 329 eP	P	03 35 25.1 -2.2
X50B	Fort Payne	20.67 323 P	P	03 35 25.2 -2.5
Y49A	Blount Mountain	20.69 321 eP	P	03 35 27.2 -0.7
Y49A	Blount Mountain	20.69 321 P	P	03 35 25.2 -2.7
W51A	Cleveland	20.70 326 P	P	03 35 25.1 -2.9
CPCT	Cooper Cave	20.79 327 eP	P	03 35 29.9 +0.9
V51A	Loudon	20.98 328 eP	P	03 35 30.3 -0.7
V51A	Loudon	20.98 328 P	P	03 35 29.3 -1.8
W50A	Signal Mountai	21.02 325 eP	P	03 35 30.2 -1.4
X49A	Woodville	21.09 322 P	P	03 35 29.8 -2.5
147A	Livingston	21.10 315 eP	P	03 35 31.2 -1.1
TZTN	Tazewell	21.18 330 eP	P	03 35 31.9 -1.3
TZTN	Tazewell	21.18 330 P	P	03 35 31.4 -1.8
V50A	Pikeville	21.26 326 P	P	03 35 32.1 -2.0
U51A	La Follette	21.27 329 P	P	03 35 32.3 -1.9
Z47A	Carrollton	21.30 317 P	P	03 35 32.8 -1.6
SWET	Seawate	21.38 324 eP	P	03 35 34.4 -0.9
TS2A	Hallie	21.39 332 P	P	03 35 34.0 -1.5
SDMD	Soldier's Dell	21.46 347 eP	P	03 35 35.4 -0.8
X48A	Hartselle	21.48 321 eP	P	03 35 35.1 -1.3
X48A	Hartselle	21.48 321 P	P	03 35 34.8 -1.6
W49A	Belvidere	21.49 323 P	P	03 35 34.9 -1.7
Y47A	UCPARC, Winfie	21.60 318 P	P	03 35 34.8 -3.0
146A	Union	21.61 314 eP	P	03 35 36.5 -1.4
PSUB	Penn St. - Bra	21.70 350 eP	P	03 35 33.9 -4.8
U50A	Jamesston	21.71 328 P	P	03 35 36.4 -2.5
V49A	McMinnville	21.77 325 P	P	03 35 37.7 -1.9
Z46A	Louisville	21.86 315 P	P	03 35 38.0 -2.6
PTGA	Pitinga	21.89 150 P	P	03 35 41.6 +0.6
PTGA	comp-Z, 314nm, 21.3s, baz=332, slow=36		LR	03 43 54.8
PTGA	Pitinga	21.89 150 eP	P	03 35 45.0 +4.0
MVL	Millersville	21.93 348 eP	P	03 35 41.8 +0.6
X47A	Russellville	22.02 320 P	P	03 35 39.7 -2.5
S51A	Beattyville	22.10 332 eP	P	03 35 44.0 +1.0
S51A	Beattyville	22.10 332 P	P	03 35 40.9 -2.2
344A	Westbrook Farm	22.15 309 eP	P	03 35 46.1 +2.5
344A	Westbrook Farm	22.15 309 P	P	03 35 40.5 -3.1
MDP	Montagnes des	22.18 125 P	P	03 35 43.9 -0.2
MDP	comp-Z, 276nm, 20.7s, baz=322, slow=36		LR	03 44 51.9
T50A	Nancy	22.18 329 P	P	03 35 41.8 -2.2
PAGS	Pennsylvania G	22.22 348 eP	P	03 35 40.9 -3.5
Y46A	Houston	22.23 317 P	P	03 35 42.1 -2.4
V48A	Smith Brothers	22.25 324 eP	P	03 35 43.2 -1.5
V48A	Smith Brothers	22.25 324 P	P	03 35 42.7 -2.0
BRNJ	Basking Ridge	22.32 352 eP	P	03 35 45.7 +0.4
LUBA	Lehigh Univers	22.35 351 eP	P	03 35 46.8 +0.9
V50A	Vicksburg	22.39 311 eP	P	03 35 48.8 +2.5
244A	Avery, Jackson	22.42 311 P	P	03 35 44.8 -1.7
PLAL	Pickwick Lake	22.46 320 eP	P	03 35 45.2 -1.7
MCWV	Mont Chateau	22.47 341 P	P	03 35 44.3 -2.7
X46A	Booneville	22.49 319 P	P	03 35 45.1 -2.2
S50A	Richmond	22.50 331 P	P	03 35 44.5 -2.9
T49A	Edmonton	22.59 328 eP	P	03 35 48.0 -0.3
R51A	Hillsboro	22.64 333 P	P	03 35 45.9 -2.9
Y45A	Yeager Farm, C	22.67 316 P	P	03 35 45.8 -3.4
Q52A	Bidwell	22.68 336 P	P	03 35 47.0 -2.2
O56A	Blue Knob Stat	22.68 344 eP	P	03 35 50.5 +1.2
O56A	Blue Knob Stat	22.68 344 P	P	03 35 48.1 -1.2
V47A	Nunnally	22.71 323 P	P	03 35 47.1 -2.6
ODNJ	Ogdensburg	22.72 352 eP	P	03 35 49.8 +0.2
N59A	State Game Lan	22.72 350 eP	P	03 35 50.0 +0.3
N59A	State Game Lan	22.72 350 P	P	03 35 47.9 -1.8
P53A	Whipple	22.82 338 eP	P	03 35 51.4 +0.7
P53A	Whipple	22.82 338 P	P	03 35 48.9 -1.8
SSPA	Standing Stone	22.86 346 eP	P	03 35 52.0 +0.8
R50A	Paris	22.95 332 P	P	03 35 50.3 -1.9
OXF	Oxford	22.99 318 eP	P	03 35 53.5 +1.0
OXF	Oxford	22.99 318 P	P	03 35 50.2 -2.3
CM7A	Mattias Romero	22.99 270 LR	LR	03 45 46.2
U47A	Clarksville	23.02 324 P	P	03 35 51.0 -1.9
V46A	Holladay	23.04 322 P	P	03 35 51.0 -2.0
WVT	Waverly	23.11 323 eP	P	03 35 52.5 -1.2
Q51A	Peebles	23.16 334 eP	P	03 35 55.8 +1.5
Q51A	Peebles	23.16 334 P	P	03 35 52.4 -1.9
W45A	Hickory Valley	23.26 319 P	P	03 35 53.2 -2.1
143A	Socs Landing,	23.29 311 eP	P	03 35 57.6 +2.0
T47A	Sharon Grove	23.32 325 eP	P	03 35 55.4 -0.5
KSPA	Keystone Colle	23.35 351 eP	P	03 35 58.7 +2.6
P51A	Williamsport	23.43 336 eP	P	03 35 59.4 +2.4
O52A	Adamsville	23.53 338 eP	P	03 35 57.1 -0.9
O52A	Adamsville	23.53 338 P	P	03 35 56.3 -1.7
N54A	Moraine State	23.71 342 eP	P	03 35 59.6 -0.1
N54A	Moraine State	23.71 342 P	P	03 35 57.4 -2.3

T46A	Princeton	23.79 324 P	P	03 35 58.0 -2.5
P50A	Jamesston	23.84 334 P	P	03 35 57.9 -3.0
O51A	Pataki	23.84 337 P	P	03 35 58.4 -2.6
WCI	Wyandotte Cave	23.84 329 eP	P	03 36 03.7 +2.7
X43A	Marver	23.95 316 eP	P	03 36 05.4 +3.7
BINY	Binghamton	24.01 350 eP	P	03 36 04.0 +1.4
BINY	Binghamton	24.01 350 P	P	03 36 01.1 -1.5
ACSO	Alum Creek Sta	24.05 337 eP	P	03 36 02.5 -0.4
ACSO	Alum Creek Sta	24.05 337 P	P	03 36 01.1 -1.9
M54A	Oil Creek Stat	24.13 344 eP	P	03 36 03.4 -0.3
M54A	Oil Creek Stat	24.13 344 P	P	03 36 01.5 -2.2
CCAR	Cane Creek	24.21 313 eP	P	03 36 09.1 +4.7
USIN	University of	24.34 326 eP	P	03 36 03.6 -2.1
O49A	Covington	24.55 334 eP	P	03 36 07.9 +0.4
O49A	Covington	24.55 334 P	P	03 36 04.9 -2.6
PARMO	Parma	24.60 321 eP	P	03 36 10.4 +2.5
S45A	Carrier Mills	24.63 324 P	P	03 36 05.3 -2.9
U43A	Rector	24.80 320 P	P	03 36 06.8 -2.9
MMNY	Mt. Morris Dam	24.87 347 eP	P	03 36 11.0 +0.6
R45A	Skylar, Fairri	24.91 326 P	P	03 36 08.1 -2.7
SIUC	Southern Illin	25.01 324 eP	P	03 36 13.9 +2.2
V42A	Cord	25.06 318 P	P	03 36 09.7 -2.5
PBMO	Poplar Bluff	25.08 320 eP	P	03 36 13.7 +1.4
OLIL	Greenville	25.14 327 eP	P	03 36 13.5 +0.6
T43A	Greenville	25.20 321 P	P	03 36 10.9 -2.5
W41B	Gary Mavity, V	25.24 315 P	P	03 36 11.4 -2.5
NATX	Nacogdoches	25.25 306 eP	P	03 36 18.9 +5.0
X40A	Basin Creek Fa	25.25 313 eP	P	03 36 15.9 +2.0
X40A	Basin Creek Fa	25.25 313 P	P	03 36 11.7 -2.3
U42A	Reverend	25.30 319 P	P	03 36 12.1 -2.2
R44A	Waltonville	25.31 325 P	P	03 36 12.8 -1.6
WHAR	Woolly Hollow	25.34 316 eP	P	03 36 11.8 -2.9
P46A	Rosedale	25.37 329 P	P	03 36 13.3 -1.6
S43A	Fulton Ridge	25.40 322 P	P	03 36 14.0 -1.2
HKT	Hockley	25.46 301 eP	P	03 36 17.8 +2.0
NCB	Newcomb	25.53 354 eP	P	03 36 18.0 +1.6
V41A	Mountainview	25.54 317 P	P	03 36 15.3 -1.3
P45A	Graceland, Par	25.56 328 eP	P	03 36 18.8 +2.1
P45A	Graceland, Par	25.56 328 P	P	03 36 14.3 -2.3
T42A	Van Buren	25.65 320 eP	P	03 36 19.2 +1.7
T42A	Van Buren	25.65 320 P	P	03 36 16.0 -1.4
N47A	Urbana	25.69 333 P	P	03 36 14.2 -3.6
U41A	Viola	25.73 318 P	P	03 36 15.1 -3.2
Q44A	Meyer Farm, Va	25.75 326 P	P	03 36 15.0 -3.4
M48A	Edgerton	25.80 335 eP	P	03 36 19.3 +0.5
MIAR	Mount Ida	25.80 313 eP	P	03 36 22.5 +3.6
MIAR	Mount Ida	25.80 313 P	P	03 36 15.7 -3.2
FVM	French Village	25.89 323 eP	P	03 36 23.8 +4.1
SFN	Lafayette	25.91 331 eP	P	03 36 20.6 +0.8
S42A	Caledonia	25.95 322 P	P	03 36 17.1 -3.2
V40A	Witts Springs	25.99 316 eP	P	03 36 20.9 +0.1
V40A	Witts Springs	25.99 316 P	P	03 36 19.9 -0.8
M47A	Crownell	26.06 334 P	P	03 36 20.8 -0.4
T41A	Mountain View	26.07 319 P	P	03 36 19.9 -1.4
AAM	Ann Arbor	26.11 338 eP	P	03 36 22.1 +0.6
N46A	Monticello	26.16 332 P	P	03 36 21.8 -0.3
LONY	Lake Ozonia	26.21 354 eP	P	03 36 24.4 +1.9
W39A	Magazine	26.30 314 eP	P	03 36 26.0 +2.5
W39A	Magazine	26.30 314 P	P	03 36 22.4 -1.0
R42A	Luebbering	26.30 323 P	P	03 36 21.0 -2.4
U40A	Yellville	26.34 317 P	P	03 36 21.9 -1.9
S41A	Jillico Farms,	26.40 320 P	P	03 36 23.2 -1.2
CCM	Cathedral Cave	26.41 322 eP	P	03 36 23.5 -0.9
TLIG	Tiapa	26.43 272 eP	P	03 36 25.2 +0.3
P43A	Skaggs, Pawnee	26.56 326 P	P	03 36 24.3 -1.4
V39A	Pettigrew	26.56 315 P	P	03 36 25.3 -0.6
T40A	Mansfield	26.60 319 P	P	03 36 25.4 -0.8
R41A	Rosebud	26.65 322 P	P	03 36 25.8 -0.8
U39A	Green Forest	26.76 316 P	P	03 36 26.4 -1.2
PLVO	Plevna	26.95 350 eP	P	03 36 30.1 +1.0
P42A	Winchester	26.95 325 eP	P	03 36 30.7 +1.4
HHAR	Hobbs	27.00 316 eP	P	03 36 32.3 +2.4
T39A	Cleaver	27.07 317 P	P	03 36 29.2 -1.2
SADO	Sadown	27.08 347 eP	P	03 36 30.0 -0.4
LNIG	Linares	27.36 288 eP	P	03 36 36.9 +3.8
S39A	Bolivar	27.44 319 eP	P	03 36 35.7 +2.0
S39A	Bolivar	27.44 319 P	P	03 36 31.5 -2.2
S38A	Stonckton	27.77 313 eP	P	03 36 34.2 -2.5
TUL1	Leonard	28.07 318 eP	P	03 36 41.3 +2.0
SAML	Samuel	28.31 164 eP	P	03 36 40.0 -1.7
D53A	Lac Vavie, Po	29.04 350 P	P	03 36 46.5 -1.3
JFWS	Jewell Farm	29.37 330 eP	P	03 36 52.3 +1.5
WMOK	Wichita Mounta	29.65 309 eP	P	03 36 56.4 +3.0
VLD0	Val d'Or	30.00 351 eP	P	03 36 57.9 +1.5
KSU1	Kansas State U	30.53 318 eP	P	03 37 00.9 +1.4

G40A	Rib Lake	31.18 333 eP	P	03 37 09.2 +2.3
LTX	Lajitas	31.82 296 eP	P	03 37 12.0 -0.8
LTX	Lajitas	31.82 296 eP	P	03 40 03.1 -0.7
TXAR	Lajitas Array	31.82 296 P	P	03 37 12.0 -0.8
TXAR	Lajitas Array	31.82 296 P	P	03 40 03.1 -0.7
TXAR	comp-Z, 153nm, 19.3s, baz=0, slow=41		LR	03 52 31.9
TX31	Lajitas Ar. Si	31.82 296 eP	P	03 37 16.9 +4.1
D41A	Chassel	31.98 337 eP	P	03 37 15.3 +1.4
CBKS	Cedar Bluff	32.25 315 eP	P	03 37 18.5 +2.2
MSTX	Muleshoe	32.39 305 eP	P	03 37 21.3 +3.6
E38A	The Farm, Brul	32.81 333 eP	P	03 37 22.8 +1.6
ECSD	EROS Data Cent	33.21 325 eP	P	03 37 25.6 +0.9
ECSD	EROS Data Cent	33.21 325 P	P	03 37 24.3 -0.4
MNTX	Cornudas Mount	33.81 300 eP	P	03 37 31.9 +1.8
LPZA	La Paz	34.70 176 P	P	03 37 40.1 +1.7
LPZA	comp-Z, 288nm, 18.9s, baz=350, slow=38		LR	03 52 58.2
T25A	Trinidad	34.80 309 eP	P	03 37 39.4 +0.6
ANMO	Albuquerque	35.58 305 P	P	03 37 45.0 -0.6
SDCO	Great Sand Dun	35.83 310 eP	P	03 37 50.1 +2.3
SCHO	Schefferville	36.36 4 P	P	03 37 52.1 +0.3
SCHO	comp-Z, 168nm, 18.3s, baz=207, slow=37		LR	03 53 18.2
ISCO	Idaho Springs	36.74 313 eP	P	03 37 57.6 +2.0
ISCO	Idaho Springs	36.74 313 P	P	03 37 54.5 -1.0
MNMC	Minnye Minye	37.44 178 eP	P	03 38 01.3 -0.2
ULM	Lac du Bonnet	37.46 333 P	P	03 38 00.0 -1.1
ULM	comp-Z, 76nm, 21.4s, baz=146, slow=36		LR	03 53 20.0
O20A	White River Ci	38.72 312 eP	P	03 38 15.8 +3.6
DGM7	Dagmar	40.29 325 eP	P	03 38 27.7 +2.8
BW06	Boulder Array	40.68 315 eP	P	03 38 31.2 +2.7
PD31	Pinedale Array	40.68 315 eP	P	03 38 28.0 -0.5
PDAR	Pinedale Array	40.68 315 P	P	03 38 28.0 -0.5
PDAR	comp-Z, 365nm, 19.0s, baz=116, slow=38		LR	03 56 40.7
PDAR	Pinedale Array	40.68 315 eP	P	03 38 28.8 +0.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MDM, SENIN, MLY, BPRAW, TOA1, TOAO, TORD, TORO, NB2, NB200, NOA, IM3, DAVOX, FUORN, RETA, FETA, MOTA, HFS, KEST, KEST, CLL, ABTA, KHC, GEC2, GERES, GERES, GEOA, KBA, MYKA, MOA, TAOE, OBKA, SOKA, CONA, ARAD, ARCS, MORC, MODS, VYHS, FIAO, FINESS, FINES, BUR4, MLR, AKASG, AKASB, IDI, PPT2, TBI, BR101, BRTR, TIXI, KSH, WHQ, HHC, GTA, LZH, CD2, CHN, CM31, PMK, SBAO, CTA, STKA, WR1, WR1, WR1, WRA, WRA, ASO1, AS31, ASAR, ASAR, ASAR, DDA, ISK, ISCB, ISC.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AKCD, AKCD, TAHT, YURE, YURE, YURE, DARE, URFA, SANL, KRTO, KARAT, BNN, GULE, GULE, CUALT, CUKAN, CUKAN, SVRC, SVRC, NIGRE, NIGRE, CUSAR, CUSAR, KEMA, KEMA, AVNS, AVNS, AVNS, KERG, KERG, ILIC, ILIC, DIYA, DIYA, DIYA, DIYA, REFA, REFA, DYB, DYB, GULA, GULA, KIZK, KIZK, KIZK, SCER, SCER, TNCL, TNCL, CUZAR, CUZAR, MAZI, MAZI, HANI, HANI, MARD, MARD, MARD, GULN, GULN, CDAG, CDAG, BGOL, BGOL, KELE, KELE, SVAN, SVAN, BTMN, BTMN, BTMN, COAL, COAL, COAL, CYAK, CYAK, BAYB, BAYB, SRMT, SRMT, SRMT, SIRM, SIRM, EKAR, EKAR.

ISCJB 17 03:35:01.0, 0.4, 5.09S; 0.03; 133.82E; 0.07, h25km, mb4.1/7, MS4.0/2, Error ellipse: s-maj=9.4km s-min=3.7km az=174.9

IDC 17 03:35:00.5, 0.9, 5.05S; 133.65E, h0km, mb3.9/5, mb1.4/2.1, mb1mx4.0/33, mbtmp4.0/11, ML4.2/6, MS3.5/4, Ms1.3.5/4, ms1mx3.0/30, Error ellipse: s-maj=32.6km s-min=17.4km az=74.0

NEIC 17 03:35:01.1, 3.5, 5.14S; 133.73E, h5km, mb4.4/4, Error ellipse: s-maj=10.9km s-min=8.2km az=79.0, DJA 17 03:35:02.7, 0.9, 5.31S; 133.45E, h10km, mb4.3/5, MS5.0/2, mb4.7/3, ML4.1/5, Mwmb1.4/2

ISC 17 03:35:02.5, 0.6, 5.11S; 104.133E; 0.06, h25km, n31, a312/44, mb4.2/7, ARA Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KMPJ, KMPJ, FAKI, FAKI, FAKI, FAKI, RANSIKI, RANSIKI, SUIJ, SUIJ, JAY, JAY, JAY, JAY, MTN, MTN, SOEI, SOEI, COEN, COEN, COEN, WRAB, WRAB, WR2, WR2, WRA, WRA, WRA, FITZ, FITZ, FITZ, FITZ, FITZ, ASO1, ASO1, AS31, AS31, ASAR, ASAR, ASAR, ASAR, CTA, CTA, FORT, FORT, BBOO, BBOO, URZ, URZ, MKO1, MKO1, MKO2, MKO2, MKA, MKA, BVAR, BVAR, NRK, NRK, AKTO, AKTO, ILAR, ILAR, ILB, ILB.

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

NEIC 17 03:55:09.7, 1.0, 5.94S; 147.91E, h81km, 10km, mb4.3/12, Error ellipse: s-maj=13.0km s-min=7.1km az=137.0, IDC 17 03:55:14.7, 2.8, 6.22S; 148.02E, h120km, 27km, mb4.0/5, mb1.4/2.7, mb1mx3.6/37, mbtmp4.4/7, MS2.9/1, Ms1.2/9/1, ms1mx2.6/26, Error ellipse: s-maj=26.3km s-min=20.5km az=168.0

ISC 17 03:55:08.6, 0.8, 6.19S; 0.10; 148.0E; 0.1, h60km, n26, a265/30, mb4.3/9, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RABL, RABL, COEN, COEN, CTI, CTI, SIJI, SIJI, WRAB, WRAB, WR1, WR1, WRA, WRA, WRA, EIDS, EIDS, ASO1, ASO1, AS31, AS31, ASAR, ASAR, DZM, DZM, DZM, ARMA, ARMA, FITZ, FITZ, FITZ, STKA, STKA, BBOO, BBOO, VNSA, VNSA, VNSA, BILL, BILL, TORD, TORD, TOA1, TOA1.

ISCJ 17 03:58:20.6, 37.30N; 37.12E, h10km, ML2.0/5, ISCJB 17 03:58:21.5, 0.6, 37.27N; 0.03; 37.11E; 0.03, h9km, 5km, Error ellipse: s-maj=5.6km s-min=4.1km az=22.0, IDC 17 03:58:21.1, 0.9, 37.26N; 37.13E, h7km, M3.0/3, n12, a038/22, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GAZ, GAZ, KUZU, KUZU, ANDN, ANDN, ANDN, ATAB, ATAB, URF, URF, ELBS, ELBS, KOZT, KOZT, SAIM, SAIM, TAHT, TAHT, AKCD, AKCD, DARE, DARE, URFA, URFA, SANL, SANL, SANL.

IDC 17 04:15:02.6, 1.6, 13.12S; 70.50W, h0km, mb3.5/2, mb1.4/1.7, mb1mx3.7/30, mbtmp3.9/4, ML3.8/2, MS2.6/1, Ms1.2/7.1, ms1mx2.5/15, Error ellipse: s-maj=39.3km s-min=30.7km az=50.0, Central Peru

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LPAZ, LPAZ, LPAZ, LPAZ, PTGA, PTGA, PTGA, TORD, TORD, WRA, WRA.

IDC 17 04:19:10.5, 6.1, 29.53N; 51.11E, h0km, mb3.8/4, mb1.3/7.5, mb1mx3.4/46, mbtmp3.7/5, ML3.0/1, Error ellipse: s-maj=12.3km s-min=43.0km az=113.0, ISCJB 17 04:19:13.9, 0.7, 29.72N; 0.06; 50.74E; 0.05, h10km, mb3.8/4, Error ellipse: s-maj=9.7km s-min=5.1km az=30.8, TEH 17 04:19:14.0, 29.76N; 50.80E, h10km, ML3.6

ISC 17 04:19:13.3, 0.9, 29.72N; 0.03; 50.80E; 0.05, h10km, n40, a175/39, mb3.8/4, Southern Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IKAZ, IKAZ, IKAZ, SHI, SHI, SHI, IPAR, IPAR, IPAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GAZ, GAZ, KUZU, KUZU, ANDN, ANDN, ANDN, ATAB, ATAB, ELBS, ELBS, ELBS, KOZT, KOZT, SAIM, SAIM, SAIM.

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

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Sarvestan, Brojen, Zangian, Ghir-Karzin, Ramesheh, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MRAK, Banja Luka, Banja Luka, Udbina, Zagreb, etc.

ISC/JB 17 04:40:47.8:0.4, 24.47N:102.68E:0.02, h82km, 5km, Error ellipse: s-maj=4.2km s-min=2.6km az=178.0

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

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

Table with columns: Station ID, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like Zalesovo Array, Kabul, Manas, Kurchatov, etc.

Table with columns: Station ID, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like Wadi Bani Khal, WSAR, JMDO, BIDO, SMDO, etc.

Table with columns: Station ID, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like AKT, MAK, ANM, XMAS, SDPT, etc.

MAW	comp=N,28nm,1.0s,baz=67,slow=6.4,SNR=3.5	S	S	05 04 05.9 -6.7	
MAW	comp=N,1.5nm,0.9s,baz=37,slow=5.1,SNR=1.8	PKKbpc	PKKbpc	05 12 38.0 -3.2	
MAW	comp=N,3.2nm,0.6s,baz=210,slow=4.3,SNR=1.1	PKPPKp	PKPPKp	05 20 41.0 -6.0	
MAW	comp=N,7.8nm,1.2s,baz=324,slow=2.4,SNR=6.0	P	P	04 54 20.9 +0.1	
MAW	comp=N,98nm,2.0s	83.43 200	eP	04 54 21.1 -0.1	
MAW	SKT	Skwentna	83.47 28	eP	04 55 36.4 -2.9
CNPM	China Pool	83.47 31	eP	04 54 21.5 +0.2	
PTK	Periek	83.64 309	P	04 54 23.8 +1.0	
BRK	Bradley Lake	83.66 30	P	04 54 22.3 +0.1	
SVRC	Sivrice-ELAZID	83.71 308	P	04 54 23.7 +0.6	
VORD	Divnogorie	83.79 321	ePP	04 54 22.3 -0.7	
VORD			eS	04 55 38.0 -3.5	
VORD			eS	05 04 12.9 -4.1	
VORD	comp=Z,420nm,1.3s		pmx	pmx	
VORD	comp=Z,540nm,1.3s		pmx	smx	
VORD	comp=N,2.2um,2.4s		smx	smx	
BPAW	Bear Paw Mtn	83.84 26	eP	04 54 23.6 +0.5	
VORR	Voronexh	83.86 321	iP	04 54 23.0 -0.3	
VORR			pmx	pmx	
VSR	comp=Z,750nm,1.0s	83.88 321	eP	04 54 22.0 -1.4	
VSR	Storozhevo		ePP	04 55 37.8 -4.2	
VSR			eS	04 57 39.9	
VSR			eS	05 04 11.9 -5.9	
VSR	comp=Z,500nm,1.1s		pmx	pmx	
VSR	comp=Z,1.1um,2.3s		smx	smx	
MLY	comp=N,1.1um,2.0s	83.99 25	eP	04 54 24.2 +0.4	
MLY	Manley		eP	04 54 23.8 -0.5	
LPSR	Galich'ya Gora	84.05 322	eP	05 04 13.4 -6.0	
LPSR			eS	05 04 13.4 -6.0	
LPSR	comp=Z,640nm,1.1s		pmx	pmx	
LPSR	comp=Z,690nm,1.0s		smx	smx	
LPSR	comp=E,2um,2.2s		smx	smx	
URFA	Urfa	84.10 307	P	04 54 25.5 +0.5	
TRF	Thorfare Moun	84.11 207	P	04 54 25.0 +0.4	
ESPY	Espiye-Giresun	84.14 311	P	04 54 22.9 -2.1	
VNDA	Vanda	84.15 172	P	04 54 24.1 -0.1	
VNDA	comp=E,16nm,0.6s,baz=317,slow=5.8,SNR=9.0		S	05 04 11.6 -7.9	
VNDA	comp=E,0.3nm,0.6s,baz=103,slow=18,SNR=3.1		PKKbpc	05 12 37.0 -2.9	
VNDA	comp=E,5.9nm,1.0s,baz=286,slow=2,SNR=14		PKPPKp	05 20 38.9 -6.9	
VNDA	comp=Z,3.6nm,1.2s,baz=256,slow=2.0,SNR=6.8		PKPPKp	05 20 38.9 -6.9	
VNDA	Vanda	84.15 172	eP	04 54 24.2 0.0	
DESE	Dese	84.23 281	iP	04 54 29.7 +3.3	
DESE			eS	05 04 22.7 -0.7	
DESE	Dese	84.23 281	iP	04 54 29.7 +3.3	
DESE			eS	05 04 22.7 -0.7	
RC01	Rabbit Creek A	84.28 29	eP	04 54 25.6 +0.3	
COLD	Coldfoot	84.32 23	eP	04 54 26.6 +1.2	
BWN	Browne	84.50 26	eP	04 54 27.8 +1.4	
PMR	Palmer	84.59 29	eP	04 54 26.5 -0.2	
PMR	Palmer	84.59 29	eP	04 54 26.5 -0.2	
TOLK	Toolik Lake Re	84.62 22	eP	04 54 28.6 +1.7	
TOLK	Toolik Lake Re	84.62 22	P	04 54 28.6 +1.7	
RND	Reindeer	84.76 27	eP	04 54 28.1 +0.4	
RND	Reindeer	84.76 27	eP	04 54 28.1 +0.4	
MOS	Moscow	84.84 325	eP	04 54 24.7 -3.4	
MOS			ePP	04 55 41.1 -5.8	
MOS			eS	04 57 51.9	
MOS			eS	05 04 18.6 -8.5	
MOS			eS	05 05 23.1	
MOS	comp=Z,798nm,1.0s		pmx	pmx	
MOS	comp=N,334nm,1.2s		pmx	pmx	
MOS	comp=E,253nm,1.0s		pmx	pmx	
MOS	comp=Z,1.1um,1.1s		pmx	pmx	
MOS	comp=N,400nm,1.1s		pmx	pmx	
MOS	comp=E,400nm,1.2s		smx	smx	
MOS	comp=N,2um,1.3s		smx	smx	
SML	Sawmill	84.97 28	eP	04 54 28.6 -0.2	
SML	Sawmill	84.97 28	eP	04 54 28.6 -0.2	
ANN	Anapa	85.04 314	iP	04 54 28.6 -0.8	
ANN			eS	04 57 45.8	
ANN			eS	05 04 20.3 -0.8	
MDM	Murphy Dome	85.06 25	eP	04 54 29.4 +0.3	
WRH	Wood River Hill	85.11 26	eP	04 54 29.1 -0.2	
DARE	Darende-Malaty	85.14 308	P	04 54 30.4 +0.3	
TCOL	CIGO, UAF Yank	85.20 25	P	04 54 29.6 -0.1	
COLA	College	85.22 25	eP	04 54 29.6 -0.2	
COLA	College	85.22 25	eP	04 54 29.6 -0.2	
CCB	Clear Creek Bu	85.23 26	eP	04 54 28.6 -1.3	
GAZ	Gaziantep	85.39 307	P	04 54 31.4 0.0	
DHY	Denali Highway	85.42 27	eP	04 54 31.4 +0.3	
SCM	Sheep Creek Mo	85.45 28	eP	04 54 31.4 +0.2	
OBN	Obninsk	85.45 325	eP	04 54 31.2 +0.1	
OBN	Obninsk	85.45 325	iP	04 55 47.5 -2.5	
OBN			ePP	04 54 30.6 -0.5	
OBN			ePP	04 55 54.6 +4.6	
OBN			e	04 57 55.4	
OBN			ePPP	04 59 43.1	
OBN			iS	05 04 19.1 -4.1	
OBN			eSS	05 10 16.5 -0.3	
OBN	comp=Z,542nm,1.0s		MLR	MLR	
SVSK	Glaciarayir	85.48 310	P	04 54 32.7 +1.1	
GLI	Glacier Island	85.57 29	eP	04 54 33.6 +1.9	
HDA	Harding Lake	85.61 26	eP	04 54 30.2 -1.6	
HDA	Harding Lake	85.61 26	P	04 54 31.0 -0.7	
ILT	Elison Array	85.63 25	P	04 54 30.1 -1.8	
ILAR	Elison Array	85.63 25	P	04 54 30.4 -1.4	
ILAR	comp=Z,5.5nm,0.7s,baz=226,slow=5.9,SNR=1.9		PKKp	05 12 30.5 +3.6	

ILAR	comp=Z,1.4nm,0.9s,baz=53,slow=2.2,SNR=6.3	PKPPKp	P	P	05 20 36.5 -7.7
ILB	Eielson Array	85.63 25	eP	P	04 54 30.6 -1.3
TOKT	Tokat	85.61 310	P	P	04 54 32.8 -0.5
FID	Port Fidalgo	85.67 29	eP	P	04 54 34.1 +1.0
KLU	Klutina	86.13 29	eP	P	04 54 34.8 +0.3
DIV	Divide	86.21 29	eP	P	04 54 34.9 +0.1
EYAK	Cordova Ski Ar	86.24 30	eP	P	04 54 36.5 +1.7
TAHT	Tahtakopru-Hat	86.24 306	P	P	04 54 34.8 -0.7
FYU	Fort Yukon	86.28 24	eP	P	04 54 35.1 +0.1
PAX	Paxson	86.29 27	eP	P	04 54 35.2 0.0
PAX	Paxson	86.29 27	eP	P	04 54 35.2 0.0
BNN	Bunyan	86.41 309	P	P	04 54 36.9 +0.5
HARP	HAARP	86.46 28	eP	P	04 54 36.8 +0.8
KOZT	Kozan	86.48 307	P	P	04 54 36.8 +0.2
RIDG	Independ'e Rid	86.55 26	eP	P	04 54 36.1 -0.3
APA	Apatity	86.61 337	iP	P	04 54 34.9 -1.6
APA			iPP	P	04 55 58.0 +2.4
APA	comp=Z,139nm,1.0s		MLR	MLR	
APA	comp=Z,800nm,16.0s		MLR	MLR	
RCY	Rachaya	86.66 303	eP	P	04 54 38.2 +0.5
YURE	YUREGIR	86.67 307	P	P	04 54 37.1 -0.4
DIKM	Dikmen	86.73 311	P	P	04 54 36.3 -1.4
SNOP	Sinop	86.75 312	P	P	04 54 37.5 -0.3
RAGM	Ragged Mountai	86.78 30	eP	P	04 54 39.0 +1.4
YOZ	Yozgat	86.78 309	P	P	04 54 37.9 -0.2
BMRM	Bremner River	86.78 29	eP	P	04 54 38.2 +0.6
BHL	Bhlanes	86.79 304	eP	P	04 54 38.5 +0.2
KRTS	Karatas	86.89 306	P	P	04 54 39.6 +1.1
DOT	Dot Lake	86.90 27	eP	P	04 54 38.9 +0.9
SCRK	Sand Creek	86.92 26	eP	P	04 54 38.4 +0.1
MMLI	Mount Malkishu	87.06 302	P	P	04 54 39.1 -0.4
CORM	Corum	87.28 310	P	P	04 54 39.6 -0.9
PPT	Papeete	87.31 108	eP	P	04 54 42.7 +1.9
PAE	Paea	87.31 108	eP	P	04 54 42.8 +1.8
PAE			eP	P	04 54 42.5 +1.6
PPTF	Papeete	87.32 108	eP	P	04 54 43.9 +2.9
SIM	Simferopol'	87.39 315	eP	P	04 54 40.7 0.0
SIM			ePP	P	04 56 05.0 +5.0
SIM			eS	P	04 58 14.0
SIM			eS	P	05 04 51.0 -1.1
SIM			eS	P	05 06 27.0 -1.3
SIM	comp=Z,101nm,0.9s		pmx	pmx	
KMBO	Kilima Mbogo	87.40 269	P	P	04 54 42.1 +0.4
KMBO	comp=Z,360nm,10.9s		pmx	pmx	
KMBO	comp=Z,29nm,0.9s,baz=64,slow=6.3,SNR=5.2		PKKp	P	04 55 58.5 -2.4
KMBO	comp=Z,24nm,1.1s,baz=83,slow=6.3,SNR=3.4		PKKp	P	04 54 42.6 +0.9
KMBO	Kilima Mbogo	87.40 269	P	P	04 54 42.6 +0.9
KMBO	Kilima Mbogo	87.40 269	iP	P	04 54 42.6 +0.9
HRFI	Mount Harif	87.52 300	P	P	04 54 42.2 +0.5
TIAR	Tiarei	87.53 108	eP	P	04 54 43.6 +1.7
EIL	Eilat	87.62 299	P	P	04 54 42.6 +0.5
TVO	Taravao	87.64 108	eP	P	04 54 44.3 +1.8
BZK	Bozkurt	87.65 312	P	P	04 54 41.0 -1.0
TGL	Tana Glacier	87.66 29	eP	P	04 54 42.8 +1.0
NAI	Nairobi	87.86 269	eP	P	04 54 45.7 +1.9
BALM	Baldy	87.88 29	eP	P	04 54 43.8 +0.9
KIZK	Mersin	87.88 306	P	P	04 54 42.9 -0.3
EREN	Erenkoy	87.92 305	P	P	04 54 42.8 -0.6
ILGA	Ilgaz	87.92 311	eP	P	04 54 43.4 -0.3
TBI	Tubuz	87.95 113	eP	P	04 54 45.3 +1.5
TBI	comp=Z,248nm,1.0s		eP	P	04 56 07.0 +3.9
YAYX	Yaylak	87.99 309	P	P	04 54 43.3 -0.5
KZIT	Kizit	88.02 301	P	P	04 54 40.3 -3.7
CANT	Cankiri	88.03 310	P	P	04 54 42.6 -1.3
KAMT	Kaman	88.03 309	P	P	04 54 42.2 -1.8
SILI	Silifke-Mersin	88.06 306	P	P	04 54 43.6 -0.5
BR10	Keskin Array S	88.07 310	eP	P	04 54 43.0 -1.2
BR10			ePP	P	04 56 00.6 -3.1
BR101			ePP	P	04 58 18.2 +1.9
BR131	Keskin Array S	88.07 310	eP	P	04 54 43.4 -0.8
BR131	Keskin Array S	88.07 310	P	P	04 54 43.5 -0.8
BR131	Keskin Array S	88.07 310	P	P	04 54 43.5 -0.8
BRTR	Keskin Array B	88.07 310	P	P	04 54 43.0 -1.2
BRTR	comp=Z,14nm,0.9s,baz=62,slow=3.5,SNR=3.3		PKKp	P	04 56 00.6 -3.1
BRTR	comp=Z,14nm,1.0s,baz=99,slow=5.5,SNR=3.8		PKKp	P	04 58 18.2 +1.9
BRTR	comp=Z,0.5nm,0.6s,baz=96,slow=2.5,SNR=2.3		SKS	P	05 04 37.3 -2.9
BRTR	Keskin Array B	88.07 310	P	P	04 54 43.0 -1.2
BRTR			iPP	P	04 56 00.6 -3.1
BRTR			e	P	04 58 18.3
BRTR	comp=Z,33nm,0.9s		pmx	pmx	
BRTR	comp=Z,14nm,0.9s		pmx	pmx	
BRTR	comp=Z,14nm,1.0s		pmx	pmx	
EGAK	Eagle	88.08 25	eP	P	04 54 43.9 +0.4
SERE	Serefilochicha	88.18 309	P	P	04 54 42.4 -2.3
IKL	Islik	88.27 306	P	P	04 54 44.8 -0.2
SULT	Sultanhani-AKS	88.27 308	P	P	04 54 44.2 -0.9
AKKU	Akkuyu-Mersin	88.38 306	P	P	04 54 43.8 -1.8
LFK	Lefkose	88.45 305	P	P	04 54 44.9 -1.1
AFSR	Af ar-Bala A	88.53 309	P	P	04 54 45.9 -0.4
PUL	Pulkovo	88.56 330	eP	P	04 54 44.5 -1.3
KULU	Kulu	88.61 309	P	P	04 54 45.4 -1.3
BERE	Bereket-Mersin	88.63 306	P	P	04 54 46.3 -0.6
CSS	Mathiatis	88.64 305	eP	P	04 54 43.3 -3.6
CSS	Mathiatis	88.64 305	eP	P	04 54 46.5 -0.3
CSS	Mathiatis	88.64 305	eP	P	04 54 46.5 -0.3
PMOR	Pomariorie	88.70 105	eP	P	04 54 46.3 -0.6
ANTO	Ankara	88.71 310	P	P	04 54 49.3 +1.9
ANTO	Ankara	88.71 310	eP	P	04 54 42.0 -5.1
ANTO	Ankara	88.71 310	eP	P	04 54 46.9 -0.2
ANTO	Ankara	88.71 310	iP	P	04 54 45.2 -1.9
ANTO	Ankara	88.71 310	P	P	04 54 46.6 -0.6
ANTO	Ankara	88.71 310	P	P	04 54 46.6 -0.6
ANTO	Ankara	88.71 310	iP	P	04 54 46.6 -0.6
ANTO	Ankara	88.71 310	iP	P	04 54 45.2 -1.9
KEV	Kevo	88.73 340	eP	P	04 54 45.2 -1.2
KEV	Kevo	88.73 340	eP	P	04 54 45.2 -1.2
LOD	Lodumu	88.73 310	P	P	04 54 45.5 -1.7
DAWY	Dawson	88.92 26	eP	P	04 54 47.9 +0.3

VAH	Vaihoa	88.98 105	eP	P	04 54 50.5 +1.8
LEF	Lefka	88.99 305	P	P	04 54 47.7 -0.7
PCA</					

17d 4h

Table with columns for station code, name, frequency, and other technical details. Includes stations like CFR Carcaliu, BGKT Bogazkoy, ARMT Armutu, etc.

2012 OCT

Table with columns for station code, name, frequency, and other technical details. Includes stations like VTV Vitosh, VTS Vitosh, AER Annoniss, etc.

810

Table with columns for station code, name, frequency, and other technical details. Includes stations like DPC Dobruska-Polom, MOL Molde, PDG Podgorica, etc.

KHC	ePP	PP	04 59 49.2	-1.6	
KHC	ex	x	05 01 37.5		
KHC	eSDF		05 06 45.7		
KHC	ex	x	05 08 10.5		
KHC	AMS	AMS	05 42 20.0		
comp-Z, 700nm, 22.0s					
KHC	eP	Pdfif	04 55 40.0	0.0	
KHC	e		04 59 49.2		
KHC	e	MLR	05 06 45.7		
comp-Z, 700nm, 22.0s					
GE2	ePdif	Pdfif	04 55 40.4	+0.3	
GE2	eP	pPdif	04 56 56.8	-3.3	
GE2	eP	PP	04 59 53.3	+2.3	
GE2	ePKIP	PKIP	05 00 06.4	+1.3	
GE2	ePKIP	PKIP	05 11 55.9	-1.0	
GE2	ePKIP	PKIP	04 55 40.4	+0.3	
GERES	eP	Pdfif	04 55 39.6	-0.5	
comp-Z, 35nm, 1.1s, baz=72, slow=4.3, SNR=67					
GERES	eP	pPdif	04 56 56.8	-3.3	
GERES	PP	PP	04 59 53.9	+2.9	
comp-Z, 4.6nm, 0.9s, baz=59, slow=5.1, SNR=2.6					
GERES	eP	PKIP	05 00 06.4	+1.3	
comp-Z, 6.3nm, 0.8s, baz=64, slow=2.0, SNR=13					
GERES	eP	PKIP	05 11 55.9	-1.0	
comp-Z, 0.5nm, 0.5s, baz=225, slow=3.0, SNR=5.1					
GEAO	ePdif	Pdfif	04 55 39.3	-0.8	
GEAO	eP	pPdif	04 56 56.9	-3.2	
OBKA	eP	Pdfif	04 55 40.9	-0.1	
comp-Z, 1.8nm, 1.0s					
OBKA	iPP	PP	04 59 55.8	+3.4	
comp-Z, 68nm, 1.2s					
LJU	iPdif	Pdfif	04 55 41.2	-0.3	
LJU	eP	PP	04 59 56.2	+2.6	
LJU	eSdif		05 06 46.6		
LJU	eP	Pdfif	04 55 40.2	-1.4	
CEY	iP	Pdfif	04 55 41.7	-0.6	
MYKA	iP	Pdfif	04 55 43.2	-0.3	
comp-Z, 1.1nm, 1.3s					
MYKA	PP	PP	04 59 59.7	+3.0	
comp-Z, 35nm, 1.5s					
MYKA	iS	SKSac	05 05 48.1	-1.4	
KBA	ePdif	Pdfif	04 55 43.1	-0.7	
comp-Z, 1.2nm, 1.1s					
KBA	iP	pPdif	04 56 59.9	-3.8	
comp-Z, 4.9nm, 1.1s					
KBA	iPP	PP	05 00 00.7	+3.6	
comp-Z, 8.3nm, 0.4s					
CADS	iPdif	Pdfif	04 55 42.7	-1.0	
CADS	eP	PP	04 59 58.9	+1.9	
KULLO	iP	Pdfif	04 55 43.7	-0.1	
comp-Z, 7.8nm, 0.9s					
KULLO	iP	Pdfif	04 55 43.7	-0.1	
comp-Z, 7.8nm, 0.9s					
GRFO	ePdif	Pdfif	04 55 47.0	+1.5	
GRFO	eP	Pdfif	04 55 47.0	+1.5	
D03D	eP	Pdfif	04 55 47.7	-0.4	
comp-Z, 290					
ABTA	ePdif	Pdfif	04 55 45.6	-0.9	
comp-Z, 2.2nm, 1.0s, SNR=11					
ABTA	iP	pPdif	04 57 03.1	-3.5	
comp-Z, 1.3nm, 1.2s					
ABTA	PKIP	PP	05 00 04.7	+2.9	
comp-Z, 3.4nm, 1.2s					
ABTA	iS	SKSac	05 05 49.7	-3.0	
comp-Z, 1.9nm, 2.0s					
B05A	P	Pdfif	04 55 48.6	+0.8	
SCO	ePdif	Pdfif	04 55 47.8	+0.3	
SCO	iP	Pdfif	04 55 48.0	+0.4	
SCO	iP	Pdfif	04 55 48.0	+0.4	
SCO	pmax				
comp-Z, 7.9nm, 1.4s					
WTTA	ePdif	Pdfif	04 55 48.1	-0.3	
comp-Z, 2.7nm, 1.1s, SNR=9.2					
WTTA	PKIP	PKIP	05 00 08.6	0.0	
comp-Z, 9.3nm, 1.1s					
WATA	ePdif	Pdfif	04 55 48.8	+0.4	
comp-Z, 3.2nm, 1.0s, SNR=8.6					
WATA	PKIP	PKIP	05 00 08.0	-0.6	
comp-Z, 1.26nm, 1.2s					
G03D	P	Pdfif	04 55 48.9	-0.2	
comp-Z, 289					
E04D	P	Pdfif	04 55 49.7	+0.6	
comp-Z, 290					
MOTA	ePdif	Pdfif	04 55 50.5	+0.7	
comp-Z, 2.2nm, 0.9s, SNR=13					
MOTA	PKIP	PKIP	05 00 11.5	+2.4	
comp-Z, 1.28nm, 1.1s					
SUMG	ePdif	Pdfif	04 55 49.6	-0.3	
SUMG	iP	Pdfif	04 55 50.2	+0.3	
comp-Z, 1.76nm, 1.3s					
SUMG	iP	PKIP	05 00 02.1	-6.8	
comp-Z, 1.19nm, 1.2s					
SUMG	iP	Pdfif	04 55 50.2	+0.3	
SUMG	pmax				
comp-Z, 1.80nm, 1.3s					
RETA	ePdif	PKIP	05 00 11.7	+2.4	
comp-Z, 1.29nm, 1.1s					
FETA	ePdif	Pdfif	04 55 51.4	0.0	
comp-Z, 3.5nm, 1.0s, SNR=12					
FETA	iS	SKSac	05 05 55.6	-2.2	
comp-Z, 3.3nm, 1.4s					
FUORN	ePdif	Pdfif	04 55 53.9	+0.4	
DAVA	iPdif	Pdfif	04 55 54.1	+0.8	
comp-Z, 1.4nm, 1.2s					
DAVA	PKIP	PKIP	05 00 08.7	-1.9	
comp-Z, 4.2nm, 1.1s					
DAVOX	PKIP	PKIP	05 00 11.9	+0.9	
comp-Z, 3.0nm, 1.1s, baz=359, slow=2.4, SNR=3.4					
B08A	ePdif	Pdfif	04 55 56.8	+1.4	
J04D	P	Pdfif	04 55 56.2	+0.4	
comp-Z, 290					
BFO	ePdif	Pdfif	04 55 55.4	-0.3	
BFO	eP	Pdfif	04 55 55.4	-0.3	
M02C	eP	Pdfif	04 55 57.3	+1.3	
comp-Z, 289					
TUE	ePdif	Pdfif	04 55 56.3	+0.0	
I05D	P	Pdfif	04 55 57.2	+1.0	
comp-Z, 290					
L04D	P	Pdfif	04 55 57.3	+0.7	
comp-Z, 289					
N02D	P	Pdfif	04 55 58.1	+1.0	
comp-Z, 289					
K04D	P	Pdfif	04 55 59.1	+1.4	
comp-Z, 289					
O02D	P	Pdfif	04 55 58.0	+0.1	
comp-Z, 288					
MEM	eP	PKIP	05 00 13.7	+1.5	
WDC	ePdif	Pdfif	04 56 04.4	+2.4	
J05D	P	Pdfif	04 55 59.4	+1.1	
comp-Z, 290					
M04C	P	Pdfif	04 55 59.6	+0.9	
comp-Z, 289					
WLF	eP	PKIP	05 00 12.2	-0.6	
WLF	eP	Pdfif	04 56 00.4	+1.4	
WLF	eP	Pdfif	04 56 00.4	+1.4	
WLF	eP	PKIP	05 00 14.4	+1.4	
O03E	P	Pdfif	04 56 01.7	+0.8	
comp-Z, 289					
SNAE	eP	PKIP	05 11 59.5	-0.9	
NEW	ePdif	Pdfif	04 56 03.0	+1.5	
NEW	eP	Pdfif	04 56 03.0	+1.5	
DOU	eP	PKIP	05 00 14.9	+0.9	
ORV	ePdif	Pdfif	04 56 04.1	+1.2	
ORV	eP	Pdfif	04 56 04.1	+1.2	
MOD	ePdif	Pdfif	04 56 04.9	+1.5	
RSP	P	Pdfif	04 55 53.8	-1.1	
RSP	S	Pdfif	04 55 56.5	-7.9	
BHB	P	Pdfif	04 55 53.2	-1.2	
J06A	S	Pdfif	04 55 57.0	-7.8	
J06A	ePdif	Pdfif	04 56 08.1	+1.6	
WNAZ	eP	PKIP	05 11 53.4	+0.4	
comp-Z, 308, slow=5.4					
CMB	ePdif	Pdfif	04 56 10.4	+1.5	
CMB	eP	Pdfif	04 56 10.4	+1.5	
PAHR	ePdif	Pdfif	04 56 11.9	+2.2	
PNTR	ePdif	Pdfif	04 56 12.2	+2.5	

VNA3	P	PKKPab	05 11 50.7	-0.8	
VNA1	P	PKKPab	05 11 51.0	-0.3	
KNEI	P	PKIP	05 00 19.9	+0.0	
comp-Z, 2.7nm, 0.5s, baz=293, slow=3.7, SNR=7.5					
KEST	PP	PP	05 00 46.5	+1.3	
comp-Z, 2.2nm, 1.0s, baz=356, slow=1.5, SNR=9.5					
SMCC	P	PKIP	05 00 20.9	+1.5	
comp-Z, 289					
KVN	ePdif	Pdfif	04 56 16.6	+1.7	
KVIL	ePdif	Pdfif	04 56 16.0	+0.7	
NO1	eP	PKIP	05 00 21.5	+1.5	
NO1	eP	PKIP	05 00 48.9	-0.2	
NO1	ePKIP	PKIP	05 00 13.9	-2.4	
NO1	ePKIP	PKIP	04 56 16.9	+1.6	
comp-Z, 6.8nm, 1.1s, baz=277, slow=7.2, SNR=14					
NVAR	P	PKIP	05 00 21.9	+1.9	
comp-Z, 3.3nm, 0.8s, baz=259, slow=3.0, SNR=8.9					
NVAR	PP	PP	05 00 48.9	-0.2	
comp-Z, 9.4nm, 1.1s, baz=279, slow=5.9, SNR=6.3					
NVAR	eP	PKIP	05 11 31.8	-1.5	
comp-Z, 2.3nm, 0.7s, baz=138, slow=3.4, SNR=13					
NVAR	eP	PKIP	05 11 46.6	+0.4	
comp-Z, 3.0nm, 0.7s, baz=129, slow=5.7, SNR=9.9					
PKM	P	PKIP	05 00 21.8	+1.7	
comp-Z, 289					
NOV11	ePdif	Pdfif	04 56 17.5	+1.8	
HLID	ePdif	Pdfif	04 56 20.4	+2.1	
HLID	eP	PKIP	05 00 22.7	+1.7	
comp-Z, 2.6nm, 0.6s, baz=90, slow=5.1, SNR=3.7					
SFJD	PKKPab	PKKPab	05 11 42.8	-1.7	
comp-Z, 5.5nm, 0.6s, baz=90, slow=5.1, SNR=3.7					
CWC	P	PKIP	05 00 22.8	+1.2	
comp-Z, 2.3nm, 0.7s, baz=138, slow=3.4, SNR=13					
GRAC	P	PKIP	05 00 23.3	+1.2	
comp-Z, 289					
MPMC	P	PKIP	05 00 23.4	+0.6	
comp-Z, 2.9nm, 0.7s, baz=129, slow=5.7, SNR=9.9					
EDWT	P	PKIP	05 00 23.5	+0.8	
EDWT	P	PKIP	05 00 23.0	+0.8	
comp-Z, 290					
CIS	P	PKIP	05 00 23.8	+0.9	
comp-Z, 289					
MAHO	ePdif	Pdfif	04 56 21.8	-0.8	
MAHO	iP	PKIP	04 56 20.0	-0.7	
MAHO	eS	SKS	05 00 38.3		
FURC	P	PKIP	05 00 24.8	+1.8	
comp-Z, 291					
R11A	ePdif	Pdfif	04 56 25.9	+1.7	
R11A	P	PKIP	05 00 24.9	+1.2	
comp-Z, 293					
TPNV	ePdif	Pdfif	04 56 26.1	+1.8	
TPNV	eP	Pdfif	04 56 26.2	+1.8	
TPNV	P	PKIP	05 00 24.8	+1.0	
comp-Z, 292					
BBRC	P	PKIP	05 00 25.9	+1.1	
comp-Z, 291					
MURC	P	PKIP	05 00 25.8	+1.2	
comp-Z, 290					
HEC	P	PKIP	05 00 26.9	+1.7	
comp-Z, 292					
TUQ	P	PKIP	05 00 26.7	+1.4	
comp-Z, 292					
FRD	P	PKIP	05 00 27.3	+1.6	
comp-Z, 291, SNR=5.1					
PFO	P	PKIP	05 00 27.6	+1.8	
comp-Z, 291, SNR=5.3					
DUG	P	PKIP	05 00 27.6	+1.7	
comp-Z, 296					
GMRC	P	PKIP	05 00 28.3	+2.1	
comp-Z, 292					
BELC	P	PKIP	05 00 28.4	+2.1	
comp-Z, 291, SNR=8.8					
MONP	P	PKIP	05 00 28.4	+1.9	
comp-Z, 290, SNR=6.3					
IKP	P	PKIP	05 00 29.0	+2.0	
comp-Z, 291					
SWSC	P	PKIP	05 00 29.3	+2.2	
comp-Z, 291					
BC3	P	PKIP	05 00 29.1	+1.8	
comp-Z, 291, SNR=6.8					
IRM	P	PKIP	05 00 28.8	+1.6	
comp-Z, 292, SNR=7.0					
BW06	P	PKIP	05 00 28.6	+0.8	
comp-Z, 299					
PD31	ePdif	Pdfif	04 56 37.5	+3.5	
PD31	ePKIP	PKIP	05 00 29.3	+1.5	
PD31	eP	PKIP	05 01 20.0	+1.0	
PD31	ePKIP	PKIP	04 56 37.5	+2.0	
PD31	ePKIP	PKIP	05 11 26.4	-2.7	
PDAR	P	PKIP	04 56 37.5	+3.5	
comp-Z, 0.3nm, 0.6s, baz=46, slow=3.9, SNR=3.1					
PDAR	eP	PKIP	05 00 28.6	+0.8	
comp-Z, 1.6nm, 0.6s, baz=210, slow=2.7, SNR=8.9					
PDAR	PP	PP	05 01 19.1	+0.1	
comp-Z, 4.4nm, 1.0s, baz=279, slow=2.9, SNR=5.8					
PDAR	eP	PKIP	05 11 17.6	-2.4	
comp-Z, 1.6nm, 0.7s, baz=112, slow=4.4, SNR=10.0					
PDAR	eP	PKIP	05 11 27.5	-3.8	
comp-Z, 4.7nm, 0.8s, baz=112, slow=6.7, SNR=12					
LCMT	ePdif	Pdfif	04 56 37.1	+3.0	
KNB	ePdif	Pdfif	04 56 37.6	+2.0	
KNB	eP	PKIP	05 00 39.8	+1.3	
Y12C	P	PKIP	05 00 30.0	+1.5	
comp-Z, 292, SNR=6.2					
GLA	P	PKIP	05 00 28.9	+1.3	
comp-Z, 292					
K22A	P	PKP	05 00 31.7	+0.2	
comp-Z, 302					
WUAZ	P	PKP	05 00 33.4	+1.6	
comp-Z, 295					
O20A	P	PKP	05 00 33.1	+1.1	
comp-Z, 289					
CART	eP	PKIP	05 01 30.7	-3.7	
214A	P	PKP	05 00 33.3	+0.9	
comp-Z, 292					
PV14	eP	PKIP	05 00 35.2	+2.5	
UCM	eP	PKIP	05 01 37.9	+1.7	
PC20	eP	PKIP	05 00 34.7	+1.9	
PV19	eP	PKIP	05 00 34.5	+1.8	
PV09	eP	PKIP	05 00 34.6	+1.7	
PV02	eP	PKIP	05 00 34.6	+1.8	
PV22	eP	PKIP	05 00 34.7	+1.8	
P					

Table with columns: ID, Name, Address, City, State, Zip, Date, Time, Status, and other details. Includes entries like L36A Harm Buss Farm, G40A Rib Lake, K37A Belmont, etc.

Table with columns: ID, Name, Address, City, State, Zip, Date, Time, Status, and other details. Includes entries like O42A Bath, HDIL Hopedale, M44A Midewin, etc.

Table with columns: ID, Name, Address, City, State, Zip, Date, Time, Status, and other details. Includes entries like SIUC Southern Illin, X40A Basin Creek Fa, Y40A Okolona, etc.

Table with columns: ID, Name, Value, Unit, Status, Date, and other details. Includes entries like W45A Hickory Valley, P51A Williamsport, etc.

Table with columns: ID, Name, Value, Unit, Status, Date, and other details. Includes entries like W50A Pikeville, U51A La Follette, etc.

Table with columns: ID, Name, Value, Unit, Status, Date, and other details. Includes entries like 252A Lumpkin, 351A Pinckard, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Col San Antonio, Culebra, Puerto Monte Pirata, etc.

DRS 17 04:57:21.0, 0.0, 41.64N, 46.23E, h9km
MOS 17 04:57:24.0, 0.0, 41.73N, 46.37E, h29km, MPVA3.6
TIF 17 04:57:25.2, 41.69N, 46.41E, h36km, 2N=17

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Dedofliastskaro, Kumukh, David-gareji, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LLP Lapu-Lapu, GUM Jordan, etc.

IDC 17 05:23:36.0, 3.2, 6.80N, 126.45E, h0km, mb3.6/3,
s-maj=1.3, mb1mx3.4/36, mb2mx3.6/3, Error ellipse:
e-maj=28.0km s-min=25.1km az=66.0, Mindanao

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

IDC 17 05:29:50.5, 35.4, 0.3741N, 135.53E, h0km, Error ellipse:
s-maj=1.9km s-min=85.0km az=21.0, Sea of Japan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BSO1 Boso 1, BSO2 Boso 2, etc.

JMA 17 05:37:48.5, 0.1, 35.15N, 141.38E, h18km, 2km, M3.1
IDC 17 05:37:48.1, 2.1, 35.10N, 141.15E, h0km, mb3.6/3,
mb1.3/6.5, mb1mx3.4/49, mb2mx3.5/5, ML3.0/2, Error
ellipse: s-maj=50.9km s-min=23.8km az=71.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like H1N1 WAKE ISLAND Hy, H1N2 WAKE ISLAND Hy, etc.

IDC 17 05:42:52.6, 8.7, 19.72S, 178.23W, h522km, 10.4km,
mb3.0/5, mb2.6/3, mb1mx3.0/53, mb2mx3.9/5, Error
ellipse: s-maj=119.0km s-min=31.3km az=162.0, Fiji
Islands region

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

BUI 17 05:49:21.0, 4.7, 79S, 152.12E, h162km, mb4.9/41, mb5.0/25
ISCBJ 17 05:49:23.0, 0.6, 4.87S, 0.03, 151.62E, 0.04, h165km, 5km,
mb4.9/106, Error ellipse: s-maj=6.3km s-min=4.7km

NEIC 17 05:49:23.8, 0.6, 4.85S, 151.63E, h160km, 4km, mb4.9/59,
Error ellipse: s-maj=5.2km s-min=4.2km az=118.0
IDC 17 05:49:24.1, 0.6, 4.87S, 151.67E, h161km, 4km, mb4.4/24,
mb1.4/6.27, mb1mx4.5/35, mb2mx4.9/27, Error ellipse:
s-maj=11.9km s-min=8.0km az=97.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like DDFL Dedofliastskaro, KMKR Kumukh, DGRG David-gareji, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like GUMO Eidsvold, KDU Kakuadu, etc.

IDC 17 05:49:21.0, 4.7, 79S, 152.12E, h162km, mb4.9/41, mb5.0/25
ISCBJ 17 05:49:23.0, 0.6, 4.87S, 0.03, 151.62E, 0.04, h165km, 5km,
mb4.9/106, Error ellipse: s-maj=6.3km s-min=4.7km

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

IDC 17 05:42:52.6, 8.7, 19.72S, 178.23W, h522km, 10.4km,
mb3.0/5, mb2.6/3, mb1mx3.0/53, mb2mx3.9/5, Error
ellipse: s-maj=119.0km s-min=31.3km az=162.0, Fiji
Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BSO1 Boso 1, BSO2 Boso 2, etc.

IDC 17 05:42:52.6, 8.7, 19.72S, 178.23W, h522km, 10.4km,
mb3.0/5, mb2.6/3, mb1mx3.0/53, mb2mx3.9/5, Error
ellipse: s-maj=119.0km s-min=31.3km az=162.0, Fiji
Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like H1N1 WAKE ISLAND Hy, H1N2 WAKE ISLAND Hy, etc.

IDC 17 05:42:52.6, 8.7, 19.72S, 178.23W, h522km, 10.4km,
mb3.0/5, mb2.6/3, mb1mx3.0/53, mb2mx3.9/5, Error
ellipse: s-maj=119.0km s-min=31.3km az=162.0, Fiji
Islands region

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

IDC 17 05:42:52.6, 8.7, 19.72S, 178.23W, h522km, 10.4km,
mb3.0/5, mb2.6/3, mb1mx3.0/53, mb2mx3.9/5, Error
ellipse: s-maj=119.0km s-min=31.3km az=162.0, Fiji
Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BSO1 Boso 1, BSO2 Boso 2, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like DDFL Dedofliastskaro, KMKR Kumukh, DGRG David-gareji, etc.

Table with columns: WHN, Wuhan, 50.20 317, P, P, 05 58 04.8 +1.5, etc. Lists various stations and their coordinates and status.

Table with columns: CNPM, China Post, 78.29 26 eP, P, 06 01 05.9 +0.1, etc. Lists various stations and their coordinates and status.

Table with columns: KHC, Kasperke Hory, 123.48 328 ePKPdf, PKPdf, 06 08 01.7 -0.4, etc. Lists various stations and their coordinates and status.

CNRM 17 05:50:39.3, 36.76N:4.20W, h0km, ICSBJ 17 05:50:44.0, 36.93N:0.04:4.29W:0.03, h60km:6km, Error ellipse: s-maj=6.2km s-min=3.5km az=172.0

SFS 17 05:50:44.0, 36.85N:4.21W, h55km, ML3.1, CUTAR (MALAGA) IGL 17 05:50:44.9, 36.85N:4.21W, h55km, ML2.3

MDD 17 05:50:44.5, 36.83N:4.22W, h54km:7km, mb3.1/10, Error ellipse: s-maj=8.1km s-min=4.0km az=3.0, PRXIMO INMG 17 05:50:44.9, 36.85N:4.21W, h52km:6km, ML2.2, Error ellipse: s-maj=9.9km s-min=3.3km az=2.0

ISC 17 05:50:42.3, 4.1, 36.81N:0.05:4.21W:0.03, h67km:8km, n63.1:87/114, Strait of Gibraltar

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, ISC, Time, Res, etc. Lists various stations and their coordinates and status.

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SJA, FSA, AHML, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MEX, PNIG, TLIG, etc.

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

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

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

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

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

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

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

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

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CNRM, MDD, INMG, etc.

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

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

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

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

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

Table with columns: PESTR, Estremoz, 4.38 67 ePn, Pn, 08 05 39.6 +1.7, 08 06 28.0 -0.9, 08 06 35.0, 08 05 40.0 +2.1, 08 06 32.6 +3.7, 08 05 43.1 +1.9, 08 06 32.9 -2.0, 08 05 43.1 +1.9, 08 06 32.9 -2.0, 08 05 44.5 +1.7, 08 06 36.7 -1.0, 08 06 41.1, 08 05 44.5 +1.7, 08 06 36.7 -1.0, 08 05 44.8 +1.5, 08 06 36.6 -1.9, 08 05 45.7 +1.2, 08 06 38.3 -2.5, 08 05 46.5 +1.9, 08 06 39.8 +1.2, 08 06 46.9, 08 05 46.5 +1.9, 08 06 39.8 -1.2, 08 05 49.8 +1.8, 08 06 45.2 -1.9, 08 06 47.3, 08 05 49.8 +1.8, 08 06 45.2 -1.9, 08 06 46.4 -1.1, 08 06 50.7, 08 06 46.4 -1.1, 08 05 57.1 +2.1, 08 06 57.0 -2.6, 08 07 01.6, 08 05 58.0 +0.2, 08 07 02.8 -1.9, 08 07 04.4, 08 05 59.9 +1.7, 08 07 02.2 -3.0, 08 05 59.6 +1.2, 08 07 04.3 -1.6, 08 06 00.4 +1.5, 08 07 04.5 -2.1, 08 07 05.8, 08 05 59.5 +0.6, 08 07 04.2 -2.4, 08 06 00.6 +1.5, 08 07 05.3 -1.7, 08 06 01.0 +1.0, 08 07 05.0 +1.4, 08 07 18.0 -2.9, 08 07 24.5, 08 07 18.0 -2.9, 08 06 09.0 +1.3, 08 07 20.1 -2.3, 08 06 09.2 +1.0, 08 07 16.6 -6.6, 08 06 10.0 +1.8, 08 07 21.8 -1.5, 08 06 15.3 +1.6, 08 07 28.7 -4.5, 08 06 12.2 -5.8, 08 07 30.3 -7.3, 08 07 32.2 -5.8, 08 06 19.4 +1.3, 08 06 21.5 +0.6, 08 07 42.7 -3.4, 08 06 24.6 +0.9, 08 06 27.1 -0.9, 08 07 53.9 -4.9, 08 06 43.5 +1.4, 08 06 24.6 +0.9, 08 07 53.9 -4.9, 08 06 43.5 +1.4

18 07 17:50:6.0,3.6,5.47S,133.70E,h0km,mb3.6/1, mb1 3.4/3,mb1mx3.3/28,mbtmp3.2/3,ML3.0/2,MS3.4/2, Ms1 3.4/2,ms1mx2.7/29, Error ellipse: s-maj=177.4km s-min=30.4km az=78.0, Aru Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, WRA Warramunga Arr 14.40 17h Pn, WRA Alice Springs 18.09 17h P, KRSR Korea Array 43.04 353 LR, MKAR Makanchi Array 69.04 325 P, WSAR Wadi Sarin 78.54 295 LR, ISJCJB 17 08:25:49.0,0.7,42.56N,0.05:46.66E,0.04,h64km,6km, Error ellipse: s-maj=9.3km s-min=4.1km az=25.3, MOS 17 08:25:49.2,0.0,42.49N,46.69E,h50km,MPVA3.7, DRS 17 08:25:49.0,0.0,42.42N,46.06E,h23km, ISC 17 08:25:50.6,1.4,42.57N,0.05:46.69E,0.04,h56km,7km, n19, r1567/38, Eastern Caucasus

Table with columns: GROG Groznyy 0.91 315 ePg, DDFL Dedoflitskaro 1.20 201 P, DRN Derbent 1.33 113 eSg, AKT Akhty 1.33 144 ePg, KSMR Kasumkent 1.44 131 ePg, DGRG David-gareji 1.48 222 P, LACR Lac 1.78 279 ePg, ZEI Tsey 2.07 277 ePg, DIGR Digorskoe uzhe 2.31 279 ePg

IDC 17 08:47:30.8:12.0,14.44S:164.22E,h0km,mb3.6/3, mb1 3.8/4,mb1mx3.6/26,mbtmp3.6/4,ML3.6/1, Error ellipse: s-maj=212.1km s-min=34.6km az=47.0, Vanuatu Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, DZM Mont Dzumac 7.88 165 Op, STKA Stephens Creek 26.99 226 P, WRA Warramunga Arr 29.04 255 P, ASAR Alice Springs 30.03 265 P

ISCJJB 17 08:47:60.0:0.5,37.22N:0.03:28.20E,0.04,h0km, Error ellipse: s-maj=5.3km s-min=3.8km az=35.5, DDA 17 08:47:59.9,37.20N:28.20E,h8km,ML2.9, Suspected Mining explosion, ISK 17 08:47:59.2,37.25N:28.24E,h10km,1km,ML2.4/8, ISC 17 08:48:00.6:1.3,37.23N:0.03:28.21E,0.03,h0km,n13, r05417, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, YER Yerkesik 0.11 150 Op, MLBS Milas 0.35 281 P, TURN Turunc 0.47 139 P, AYDN Atalaya 0.51 328 iS, MRBS Marmaris-Mugla 0.51 181 P, DALY Dalvan (Mu'ta) 0.54 139 P, TAVA DENIZLI Tavass 0.61 67 iS, DAT Datca 0.71 226 P, BODT Bodrum 0.74 257 P, AYDS Zeyirinkoy-Aydi 0.76 340 P, GCAR Gelcekent 0.91 301 P, ARG Arghelotes 1.01 184 P, NIS1 Nisyros Isl. 1.04 233 P

IDC 17 08:57:45.2:4.2,36.48N:68.01E,h0km,mb3.6/5, mb1 3.8/8,mb1mx3.6/52,mbtmp3.6/8,ML3.4/3, Error ellipse: s-maj=61.7km s-min=19.9km az=152.0, ISJCJB 17 08:57:46.5:0.5,36.51N:0.04:68.00E:0.05,h30km, n17,615, Error ellipse: s-maj=6.0km s-min=5.3km

NNC 17 08:57:50.0:2.4,36.84N:68.07E,h0km,mb3.9,mpv3.5, Error ellipse: s-maj=18.0km s-min=15.7km az=7.0, ISC 17 08:57:49.1:0.8,36.51N:0.08:68.05E,0.06,h30km,n30, r156/34,mb3.6/4,5C-3D,Hindu Kush region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, CEP Cherat 4.14 129 Op, CHCP Chirah Chowk 5.13 122 P, SFK Sufi-Kurgan 5.54 49 P, SFK Karayaybulak 8.13 39 P, KK31 Karatay Array 6.85 15 P, KK31 6.5nm,0.6s,baz=199,slow=22, 3.9nm,0.5s,baz=198,slow=28,SNR=2.5, MNAS Manas 6.89 29 P, MNAS 9.2nm,0.7s, UCH Uchter 7.59 39 P, KZA Kyzart 7.88 43 P, AAK Ala-Archa 7.89 37 P, GEYT Alikent 8.05 283 P, KBK Karayaybulak 8.13 39 P, ULHL Ulahol 8.54 45 P, TKM2 Tokmak 2 8.65 40 P, MKAR Makanchi Array 14.77 42 P, PYUN Pluthan 15.15 119 eP, DANN Dangising 15.55 117 eP, KOLN Koldanda 15.78 119 eP, KURBB Kurchatov Arra 16.00 25 P, DMN Daman 16.95 117 eP, KKN Kazakent 16.97 116 eP, PKIN Pulchokki 17.17 116 eP, PKI Pulchokki 17.18 116 eP, GUN Gumbuz 17.33 115 eP, JIRN Jiri 17.70 115 eP, RAMN Ramit 18.41 116 eP, ZALV Zalesovo Beam 20.97 28 P, NOA Noyan-Art 20.97 28 P, TORD Torodi Ar. Bea 63.24 267 P, ILAR Eileison Array 75.40 15 P, YKA Yelkennite Arr 81.32 4 P

MDD 17 09:04:02.3:2.1,37.26N:12.75W,h0km,mb4.1/6, Error ellipse: s-maj=21.2km s-min=17.4km az=27.0, PRXIMO INMG 17 09:04:03.9:1.0,37.03N:13.12W,h10km,ML2.4, Error ellipse: s-maj=7.0km s-min=6.8km az=135.0, IGLI 17 09:04:03.0,37.23N:12.72W,h0km,ML2.1, ISC 17 09:03:59.2:3.6,37.30N:0.10:12.8W,0.2,h10km,n45, r249/74,Azores-Cape St. Vincent Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, PFVI Vila Bisbo 3.19 92 Op, MORF Marletele 3.32 89 eP, MORF Marletele 3.32 89 eP, MORF Marletele 3.32 89 eP, MESJ Messejana 3.69 80 eS, MESJ Messejana 3.69 80 eS, MESJ Messejana 3.69 80 eS, PBVD Barranco-do-ve 3.89 89 eP, PBVD Barranco-do-ve 3.89 89 eP, EVO Evora 3.99 71 eP, EVO Evora 3.99 71 eP, PBEJ Beja 3.99 78 eP, PVAQ Vaqueiros 4.06 87 eP, PVAQ Vaqueiros 4.06 87 eP, PTOM Tomar 4.16 55 eP, EGRO El Granado 4.25 85 P, PCAS Casimilo, Conde 4.36 49 eS, PESTR Estremoz 4.41 68 eP, PBRB Barrancos 4.66 77 eP, PBRB Barrancos 4.66 77 eP, PMRV Marv??o 4.76 62 eP, PMRV Marv??o 4.76 62 eP, PMRV Marv??o 4.76 62 eP, PCBR Castelo Branco 4.89 57 eP, EMIN Mina Concepcio 4.90 83 P, MTE Manteigas 5.15 51 eS, POLO Lamas de Oio 5.63 42 eS, PGAV Gavireira, Arco 5.83 36 eS, ELOB Lobios 5.86 37 P, ECAB El Cabril 5.92 80 S, MVO Moncorvo 5.92 48 eS, EADA Adamuz 6.58 80 P, EAGO Agolada(Pontev) 6.58 32 P, PAB San Pablo 6.98 68 P, OUK Oukaimeden 7.28 145 P, OUK Oukaimeden 7.28 145 P, GUD Guadarrama 7.50 61 P, EQES Quesada 7.71 83 P, MDT Midelt 8.02 121 P, MDT Midelt 8.02 121 S, ETOR Torete 9.05 64 P, BGD Bogdanovka 0.26 306 P, AKH Akhalkalaki 0.41 316 P, AKH Akhalkalaki 0.41 316 eP, TRLG Trialeti 0.46 22 eS, EAK Akykaya 0.47 206 iP, KZRT Kazreti 0.48 205 P, DIGO Kars 0.79 209 S, TBGL Delisi 0.90 46 P, TBGL Delisi 0.90 46 eP, EPOS Posof 0.95 295 iS, DGRG David-gareji 1.18 73 P, DGRG David-gareji 1.18 73 iP, ARTV Artvin 1.47 273 eS, DAGI Agillar 1.48 269 iS, ZEI Tsey 1.68 1 eP

Table with columns: PFVI Vila Bisbo 3.19 92 P, PMAFR Mafr 3.24 58 eP, PMAFR Mafr 3.24 58 P, PMAFR Mafr 3.24 58 P, PTEO Sao Teotonio 3.26 84 eP, PTEO Sao Teotonio 3.26 84 P, MORF Marletele 3.32 89 eP, MORF Marletele 3.32 89 eP, MORF Marletele 3.32 89 eP, MESJ Messejana 3.69 80 eS, MESJ Messejana 3.69 80 eS, MESJ Messejana 3.69 80 eS, PBVD Barranco-do-ve 3.89 89 eP, PBVD Barranco-do-ve 3.89 89 P, EVO Evora 3.99 71 eP, EVO Evora 3.99 71 eP, PBEJ Beja 3.99 78 eP, PVAQ Vaqueiros 4.06 87 eP, PVAQ Vaqueiros 4.06 87 P, PTOM Tomar 4.16 55 eP, EGRO El Granado 4.25 85 P, PCAS Casimilo, Conde 4.36 49 eS, PESTR Estremoz 4.41 68 eP, PBRB Barrancos 4.66 77 eP, PBRB Barrancos 4.66 77 P, PMRV Marv??o 4.76 62 eP, PMRV Marv??o 4.76 62 P, PMRV Marv??o 4.76 62 P, PCBR Castelo Branco 4.89 57 eP, EMIN Mina Concepcio 4.90 83 P, MTE Manteigas 5.15 51 eS, POLO Lamas de Oio 5.63 42 eS, PGAV Gavireira, Arco 5.83 36 eS, ELOB Lobios 5.86 37 P, ECAB El Cabril 5.92 80 S, MVO Moncorvo 5.92 48 eS, EADA Adamuz 6.58 80 P, EAGO Agolada(Pontev) 6.58 32 P, PAB San Pablo 7.01 69 P, OUK Oukaimeden 7.28 145 P, OUK Oukaimeden 7.28 145 P, GUD Guadarrama 7.50 61 P, EQES Quesada 7.71 83 P, MDT Midelt 8.02 121 P, MDT Midelt 8.02 121 S, ETOR Torete 9.05 64 P, BGD Bogdanovka 0.26 306 P, AKH Akhalkalaki 0.41 316 P, AKH Akhalkalaki 0.41 316 eP, TRLG Trialeti 0.46 22 eS, EAK Akykaya 0.47 206 iP, KZRT Kazreti 0.48 205 P, DIGO Kars 0.79 209 S, TBGL Delisi 0.90 46 P, TBGL Delisi 0.90 46 eP, EPOS Posof 0.95 295 iS, DGRG David-gareji 1.18 73 P, DGRG David-gareji 1.18 73 iP, ARTV Artvin 1.47 273 eS, DAGI Agillar 1.48 269 iS, ZEI Tsey 1.68 1 eP

ISC 17 10:57:41.0:1.7,37.84N:0.04:141.98E:0.07,h26km,12km,
n28,r135/37,mb3.6/4,Near east coast of eastern
Honshu

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Lists stations like Ouri, Marumori, Kawouchi, Okura, Ichinoseki, Otama, Shirataka, Kaniyama, Ohasama, Yanaizu, Rokugo, Atsumi, Matsushiro Arr, etc.

IDC 17 11:14:59.9:5.7,17.52Sx178.80W,h644km,66km,
mb3.1/6,mb1 3.5/6,mb1mx3.1/29,mbtmp4.0/6,Error
ellipse: s-maj=91.3km s-min=23.3km az=150.0,Fiji
Islands region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Lists stations like Warramunga Arr, ASAR Alice Springs, TXAR Lajillas Array, etc.

IDC 17 11:24:37.7:1.0,31.84S:72.06W,h0km,mb4.0/4,
mb1 4.0/6,mb1mx3.8/22,mbtmp3.9/6,ML2.7/3,MS3.5/6,
Ms1 3.4/6,ms1mx3.1/23,Error ellipse: s-maj=38.5km
s-min=26.5km az=90.0
SJA 17 11:24:38.0:0.8,32.02S:72.34W,h16km,13km,ML3.8,
MW4.2

ISC 17 11:24:41.2:0.4,31.93S:71.90W,h17km,4km,ML3.6
GUC 17 11:24:40.8:1.7,31.92S:0.03:71.89W,0.08,h1km,10km,
n26,r152/32,mb4.1/4,MS3.5/4,3C,Near coast of
central Chile

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Lists stations like Combarbala, El Roble, Peldehue, Cerro Calan, Farellones, Tololo Observa, Uspallata, Las Melosas, etc.

Table with columns: MAW, PFO, TOR, WRA, ZALV. Lists stations like Pinyon Flats O, Torii Arr, Warramunga Arr, Zalesovo Beam.

NNC 17 11:33:08.8:3.8,40.79N:70.11E,h0km,mb3.1,mpv2.8,
Error ellipse: s-maj=29.3km s-min=17.1km az=31.0
SOME 17 11:33:11.5,40.95N:70.00E,h10km
ISCJB 17 11:33:15.0:0.9,41.12N:0.04:70.10E:0.07,h10km,Error
ellipse: s-maj=7.4km s-min=5.4km az=173.1
KRNET 17 11:33:15.4:0.1,41.11N:70.20E,mb2.6
ISC 17 11:33:12.4:1.4,41.03N:70.06E:0.07,h10km,n17,
s217/30,14C-16D,Kyrgyzstan

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Lists stations like Batken, ARK, ARK, BRLS, BKRS, KK31, ARSB, MNAS, MNAS, SFK, SFK, SFK, MRKS, MRKS, AML, AML, EKS2, UCH, UCH, AAK, AAK, AAK, USP, KZA, KZA.

NIED 17 11:39:00,37.90N:142.60E,h20km,Mw3.8 Best double
couple: Ms5.03000:1014,1119:116.00000:339.00000,
179.00000: NP2:209.00000:839.00000:145.100000:
IDC 17 11:39:42.7:1.0,37.86N:142.47E,h0km,mb3.7/7,
mb1 3.7/11,mb1mx3.6/44,mbtmp3.7/11,ML3.7/3,MS2.9/1,
Ms1 2.9/1,ms1mx2.3/39,Error ellipse: s-maj=27.4km
s-min=17.2km az=94.0
ISCJB 17 11:39:43.6:1.5,37.89N:0.05:142.56E:0.07,
h21km,10km,mb3.6/7,Error ellipse: s-maj=8.9km
s-min=7.9km az=25.9
JMA 17 11:39:44.0:0.2,37.86N:142.56E,h31km,2km,M4.0
ISC 17 11:39:44.9:3.9,37.91N:0.06:142.44E:0.07,h14km,24km,
n30,r15/29,mb3.6/7,Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Lists stations like Ouri, Marumori, Kawouchi, Ichinoseki, Otama, Ohasama, Shirataka, Kaniyama, Nango, Matsushiro Arr, Hachioji jima 2, ASAJ, Ussuriysk Arr, etc.

KRNET 17 11:45:51.1:0.1,39.94N:75.91E,mb3.2
SOME 17 11:45:52.6,39.92N:75.87E,h15km
NNC 17 11:45:53.2:3.4,40.08N:75.89E,h0km,mb3.5,mpv3.1,
Error ellipse: s-maj=28.7km s-min=12.7km az=142.0
ISC 17 11:45:53.5:1.9,40.09N:0.06:75.87E:0.05,h4km,14km,
n41,r1970/69,26C-15D,Kyrgyzstan-Xinjiang border
region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Lists stations like Naryn, Sufti-Kurgan, Sufti-Kurgan, Kyzart, Kyzart, Aral, Aral, Ulahl, Ulahl, Uchtor, Uchtor, BOOM, BOOM, ARSB, ARSB, AML, AML, AML, KBK, KBK, AAK, AAK, AAK, TKM2, TKM2, TKM2, TKM2, FRU1, FRU1, KST, KST, EKS2, EKS2, CHMS, CHMS, TNSS, TNSS, MTBS, MTBS, DGS, DGS, MDOK, MDOK, KOTS, KOTS, MRKS, MRKS, USP, USP, USP, MNAS, MNAS, KTBS, KTBS, KUU, KUU, PDGK, PDGK, ARXS, ARXS, MNBS, MNBS, KK31, KK31.

ISCJB 17 11:48:17.6:0.9,20.0S:0.2:169.6E:0.2,h84km,mb3.8/8,
Error ellipse: s-maj=30.2km s-min=10.9km az=140.3
IDC 17 11:48:23.6:3.7,19.99S:169.43E,h121km,32km,mb3.6/8,
mb1 3.8/9,mb1mx3.6/27,mbtmp4.0/9,MS2.9/2,Ms1 2.9/2,
ms1mx2.6/20,Error ellipse: s-maj=28.2km s-min=22.8km
az=133.0

17d 13h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like Mont Dzumac, Stephens Creek, Warramunga Arr, etc.

ISCJB 17 12:17.13.3.0.3, 44.49N.0.02:6.70E:0.03, h11km, 3km, Error ellipse: s-maj=3.1km s-min=2.5km az=152.3

ROM 17 12:17.13.7.0.1, 44.501N.0.006:6.72E:0.01, h12km, 1km, ML2.0/13

GEN 17 12:17.13.7.44.49N.6.68E, h7km, 2km, M1.9

LDG 17 12:17.14.2.0.1, 44.51N.6.73E, h2km, M2.6/4, ML2.7/10

Error ellipse: s-maj=1.6km s-min=1.2km az=69.0

ISC 17 12:17.13.8.0.3, 44.50N.0.02:6.73E:0.02, h16km, 7km, n35, c0544/63, France

Main table for France region with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like Montbardon, Stroppo, San Damiano, Rocca Remolon, etc.

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Main table for Azerbaijan region with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like Reno Superiore, Saorge, Seborgia, etc.

AZER 17 12:32.15.8.0.1, 38.39N.46.53E, h10km, ml3.4/14, Error ellipse: s-maj=2.4km s-min=0.8km az=32.0

TEH 17 12:32:17.6, 38.39N.46.63E, h4km, ML3.3

ISC 17 12:32.16.7.1.1, 38.38N.0.03:46.59E:0.03, h15km, 10km, n28, c1579/43, 16C-11D, Iran-Armenia-Azerbaijan border region

Main table for Iran-Armenia-Azerbaijan border region with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like Heris, Tabriz, Ordubad, etc.

820

Main table for Azerbaijan region with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like Shahbuz, Lerik, Ciliabad, etc.

MEX 17 12:34:26.5.0.4, 15.26N.93.32W, h80km, 5km, MD3.7, Near coast of Chiapas

Table for MEX region with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like Urewera, Alice Springs, etc.

IDC 17 12:59:26.6.3.0, 32.76S.178.54W, h0km, mb3.8/2, mb1 4.0/3, mb1mx3.7/24, mbtmp3.8/3, ML3.6/1, Error ellipse: s-maj=70.2km s-min=45.5km az=122.0, South of Kermadec Islands

Main table for South of Kermadec Islands region with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like Urewera, Alice Springs, etc.

IDC 17 13:14:39.4.0.9, 36.37N.71.13E, h0km, mb3.6/7, mb1 3.7/11, mb1mx3.5/58, mbtmp3.6/11, ML2.6/4, Error ellipse: s-maj=23.7km s-min=18.4km az=11.0

NNC 17 13:14:52.2.7.37, 13N.70.68E, h0km, mb3.9, mpv3.6, Error ellipse: s-maj=27.0km s-min=16.7km az=145.0

ISC 17 13:14:40.0.5.36, 31N.05.71E, h10E:0.06, h10km, n39, c2955/41, mb3.6/7, 5C-4D, Afghanistan-Tajikistan border region

Main table for Afghanistan-Tajikistan border region with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like Sufi-Kurgan, DHARAMSHALA, etc.

17d 14h

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like LRMC, MWC, C2C, etc.

2012 OCT

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like ZAIG, F10A, BGA, etc.

822

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like PD31, PDAR, PDAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BUR04 Bucovina Ar, BR101 Keskin Array S, BRTR Keskin Array B.

IDC 17 15:18:57.3±1.6, 1.33S, 126.61E, h0km, mb3.3/2, mb1 3.5/4, mb1mx3.3/38, mbtmp3.4/4, ML3.3/2, Error ellipse: s-maj=46.6km s-min=27.8km az=62.0

DJA 17 15:18:59.2±0.4, 1.54S, 127.7E, h10km, M3.4/5, Mlv3.4/5, ISCBJ 17 15:19:01.3±0.8, 0.93S, 126.74E±0.07, h33km, mb3.4/2, Error ellipse: s-maj=14.3km s-min=6.7km

ISC 17 15:18:01.9±1.1, 0.98S, 126.75E±0.08, h35km, n7, ±236/10, Southern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LBMI Labuha, LBMI Sanana, SANI Ternate, SNI Sorong.

MAN 17 15:28:52.7, 7.14N, 122.89E, h63km, mb4.6, ML3.4, MS3.3, ISCBJ 17 15:28:55.2±0.6, 5.96N, 125.76E±0.09, h130km, 6km, mb3.2/4, Error ellipse: s-maj=16.0km s-min=8.4km

IDC 17 15:28:56.4±0.9, 6.23N, 126.07E, h140km, 9km, mb3.0/4, mb1 3.3/5, mb1mx3.0/39, mbtmp3.5/5, Error ellipse: s-maj=68.4km s-min=15.1km az=60.0

ISC 17 15:28:56.1±0.8, 5.96N, 125.71E±0.09, h130km, 7km, n13, ±141/20, mb3.2/4, 2C-1D, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DDMP Don Marcelino, DDMP General Santos, DAV Davao City (W), DAV Davao City-Mi.

FITZ Fitzroy Crossi 23.90 160 P 15 33 59.4 +1.4

WRA Warramunga Arr 27.10 162 P 15 34 28.0 +1.0

ASAR Alice Springs 30.51 165 P 15 34 58.0 +0.9

MKAR Makanchi Array 55.16 325 P 15 38 13.4 -1.7

SJA 17 15:44:51.8±0.2, 24.26S, 67.30W, h183km, 5km, ML2.6, MW2.9, ISCBJ 17 15:44:52.5±0.8, 24.28S, 67.30W±0.04, h181km, 9km, Error ellipse: s-maj=11.5km s-min=4.4km az=28.1

GUC 17 15:44:54.8±0.4, 24.03S, 67.27W, h221km, 37km, ML3.9, IDC 17 15:45:01.9±4.7, 23.46S, 66.94W, h229km, 31km, mb1 3.4/3, mb1mx3.0/26, mbtmp3.9/3, Error ellipse: s-maj=65.7km s-min=22.5km az=47.0

ISC 17 15:44:53.3±1.1, 24.26S, 67.27W±0.05, h175km, 11km, n19, ±084/29, 7C, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SLA San Lorenzo, SLA Humahuaca, AZAP Zapla, CAFAYETE Cafayete.

ALOL LOMAS DE OLMED 3.04 82 E P 15 45 42.0 -0.2

PH09 Villa Florida 9.23 105 P P 15 46 21.1 +0.3

AHML Horco Molle 3.07 146 E P 15 45 42.2 -0.3

PH10 IPOC Station P 3.10 283 I P 15 46 20.2 -1.2

PH03 IPOC Station P 3.17 313 I P 15 45 44.3 +0.3

PH04 IPOC Station P 3.27 305 E P 15 45 45.4 +0.6

PH07 IPOC Station P 3.48 316 I P 15 45 48.2 +0.2

LPAZ La Paz 7.97 354 P P 15 46 46.5 -0.3

ISCJB 17 15:58:56.0±0.4, 1.11S, 126.85E±0.02, h48km, 4km, mb4.8/57, MS3.7/12, Error ellipse: s-maj=4.2km s-min=3.7km az=43.9

BUI 17 15:58:55.5, 1.10S, 126.90E, h39km, mb4.8/41, mb5.2/26, MS4.9/7, Ms7 4.6/6, NEIC 17 15:58:56.4±0.6, 1.13S, 126.88E, h42km, 6km, mb4.7/32,

Error ellipse: s-maj=5.5km s-min=4.0km az=59.0, DJA 17 15:58:56.4±0.7, 1.52S, 127.7E, h18km, 6km, M5.0/12, mb5.1/12, mb5.5/3, MLV4.9/3, Mw(mb)4.9/3, IDC 17 15:58:56.2±1.6, 1.13S, 126.85E, h39km, 13km, mb4.4/24, mb1 4.5/28, mb1mx4.4/41, mbtmp4.6/28, ML4.4/4, MS3.7/14, M51 3.6/14, ms1mx3.4/35, Error ellipse: s-maj=15.0km s-min=10.2km az=75.0

ISC 17 15:58:57.0±0.7, 1.16S, 126.86E±0.04, h51km, 6km, n185, ±1851/195, mb4.8/57, MS3.6/11, 3C-2D, Southern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LBMI Labuha, SANI Sanana, TNTI Ternate, TNTI Ternate.

MRSI Marisa 5.18 288 P P 16 00 11.6 -1.1

APSI Ampaña 5.22 273 P P 16 00 12.7 -0.5

BNDI Bandanaira 4.52 138 P P 16 00 06.2 +2.6

SGSI Sangihe 5.00 345 P P 16 00 09.6 -0.6

KJDI Kendari 5.07 337 P P 16 00 10.9 -0.2

FKFI Fak Fak 5.66 108 P P 16 00 18.5 -0.8

FKFI Fak Fak 5.66 108 ePn P 16 00 17.9 -1.5

BBSI Bau Bau 6.07 225 P P 16 00 20.7 +2.1

PCPI Palu 7.03 272 P P 16 00 37.7 -0.4

MPFI Mapaga 7.12 382 P P 16 00 39.2 +0.6

DDMP Don Marcelino 7.32 393 P P 16 00 39.9 -2.1

DKPI Ransiki, Papua 7.47 244 P P 16 00 44.5 +0.3

BNSI Bone 7.47 244 P P 16 00 44.5 +0.3

SPSI Sidrap Palu 7.61 248 P P 16 00 47.2 +1.1

BKSI Bulukumba 7.89 338 P P 16 01 15.9 +2.0

SKMP Sempu, Su 7.97 343 P P 16 01 30.5 +0.6

CTBH Cotabato-PC H 8.37 343 I P P 16 01 07.4 +6.0

SOEI Soe 8.92 197 P P 16 01 16.6 +1.2

SOEI Soe 8.92 197 ePn P 16 01 02.7 -1.4

EDFI Ende, Flores 9.13 214 P P 16 01 09.3 +2.3

MUSI Musu 9.16 349 ePn P 16 01 07.5 +0.1

BAT1 9.53 399 Pn P 16 01 12.0 -0.4

BKB Balikpapan 9.96 269 Pn P 16 01 18.0 -0.3

BUTP Butuan 10.14 353 ePn P 16 01 18.5 -2.2

PALU Palau 11.36 42 Pn P 16 01 38.9 +1.4

MTN Mantam Dam 12.36 160 Pn P 16 01 49.8 -1.2

KDN Kanda 12.36 160 ePn P 16 01 49.4 -1.6

KDN Kanda 12.73 154 P P 16 01 53.4 -2.7

GENI Genyem 13.38 96 P P 16 02 08.0 +3.0

JAY Jayapura 13.90 96 LR LR 16 02 08.0 +3.0

KNRA Koro, Nauru 14.54 173 Pn P 16 02 19.4 -1.2

JAGI Jajag, Banyuwa 14.59 240 P P 16 02 29.1 +2.5

JAGI Jajag, Banyuwa 14.59 240 ePn P 16 02 28.0 -0.5

SBUM Sibiu 15.07 284 ePn P 16 02 27.7 -0.1

STKI Sintang 15.43 274 P P 16 02 34.5 -1.4

TGY Tagaytay City 16.26 339 LR LR 16 02 37.1 +1.8

PWJI Pagerwojo 16.47 245 P P 16 02 48.3 +0.8

KSM Kucing 16.75 279 ePn P 16 02 47.4 -1.7

FITZ Fitzroy Crossi 16.87 184 P P 16 02 51.9 0.0

FITZ Fitzroy Crossi 16.87 184 P P 16 02 50.6 +0.2

FITZ Fitzroy Crossi 16.87 184 LR LR 16 02 50.6 +0.2

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CMAR 3.0nm, 0.7s, baz=165, slow=2.3, SNR=24, CMAR 1.0nm, 0.8s, baz=162, slow=2.1, SNR=8.9.

CMAR 3.0nm, 0.7s, baz=165, slow=2.3, SNR=24, CMAR 1.0nm, 0.8s, baz=162, slow=2.1, SNR=8.9.

CMAR 1.0nm, 0.8s, baz=162, slow=2.1, SNR=8.9, CMAR 3.71 340 I P P 16 05 36.3 +2.1

CMAR 3.71 340 I P P 16 05 36.3 +2.1, CMAR 3.71 340 I P P 16 05 36.3 +2.1

CMAR 3.71 340 I P P 16 05 36.3 +2.1, CMAR 3.71 340 I P P 16 05 36.3 +2.1

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like TUQ Turquoise Moun, 113A Mohawk Valley, H12C Blythe, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like MTPU Mount Pierson, ZAIG Zacatecas, W18A Petrified Fore, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like ANMO Albuquerque, ANMO Albuquerque, ANMO Albuquerque, etc.

COLA	baz=205	86.20	11	eP	P	17 36 18.2	-1.8
COLA	comp=Z,42nm,1.0s			LR	LR		
COLA	comp=Z,374nm,19.0s						
COLA	COLLEGE	86.20	11	eP	P	17 36 18.2	-1.8
COLA	comp=Z,42nm,1.0s			pmax	pmax		
COLA	MLR			MLR	MLR		
MDM	Murphy Dome	86.21	11	eP	P	17 36 19.1	-1.1
T25A	Trinidad	86.22	49	eP	P	17 36 21.4	+0.3
T25A	comp=Z,28nm,1.4s						
T25A	Trinidad	86.22	49	P	P	17 36 20.3	-0.8
833A	Chaparral WMA	86.22	58	P	P	17 36 20.7	-0.3
IL1	Eielson Array	86.28	11	eP	P	17 36 18.7	-1.7
ILAR	Eielson Array	86.28	11	P	P	17 36 19.4	-1.1
ILAR	comp=Z,7.4nm,1.0s,baz=218,slow=5.1,SNR=29			LR	LR		
ILAR	comp=Z,114nm,18.2s,baz=208,slow=37						
ILB	Eielson Array	86.28	11	eP	P	17 36 19.7	-0.7
IM3	Indian Mountain	86.31	8	eP	P	17 36 20.0	-0.5
WALA	Waterton Lakes	86.38	35	eP	P	17 36 21.3	-0.2
POKR	Poker Flat Res	86.49	11	P	P	17 36 20.3	-1.2
Q24A	Divide	86.54	47	eP	P	17 36 24.9	+2.1
ISCO	Idaho Springs	86.62	46	PFAKE	LR	17 36 30.0	+6.9
ISCO	comp=Z,359nm,20.0s			LR	LR		
ISCO	Idaho Springs	86.62	46	P	P	17 36 22.8	-0.3
IPM	Ipoth	86.66	276	eP	P	17 36 24.3	+0.7
JCT	Junction City	86.77	56	eP	P	17 36 21.2	-2.5
JCT	comp=Z,32nm,1.4s			pmax	pmax		
JCT	Junction City	86.77	56	eP	P	17 36 21.2	-2.5
JCT	comp=Z,537nm,21.0s			MLR	MLR		
JCT	Junction City	86.77	56	P	P	17 36 23.3	-0.5
JCT	comp=Z,24nm,1.3s						
RLMT	Red Lodge	86.91	40	eP	P	17 36 24.7	+0.5
RLMT	comp=Z,470nm,19.0s			LR	LR		
RLMT	Red Lodge	86.91	40	P	P	17 36 23.8	-0.5
N23A	Red Feather La	86.92	45	eP	P	17 36 24.7	+0.2
N23A	comp=Z,17nm,1.2s						
N23A	Red Feather La	86.92	45	P	P	17 36 24.2	-0.3
AMTX	Amarillo	87.19	52	eP	P	17 36 25.8	0.0
AMTX	comp=Z,75nm,1.1s						
AMTX	Amarillo	87.19	52	P	P	17 36 25.6	-0.1
GO06	Curarehue	87.23	131	eP	P	17 36 27.4	+1.3
GO06	comp=Z,41nm,1.1s						
DAWY	Dawson	87.24	15	eP	P	17 36 25.1	-0.1
DAWY	comp=Z,50nm,1.4s						
KULM	Kulim	87.28	277	eP	P	17 36 26.8	+0.3
K22A	Casper	87.38	43	P	P	17 36 26.0	-0.6
PLCA	Paso Flores	87.44	132	P	P	17 36 27.6	+0.7
PLCA	comp=Z,13nm,1.2s,baz=251,slow=5.8,SNR=11			LR	LR		
PLCA	Paso Flores	87.44	132	eP	P	17 36 28.1	+1.1
PLCA	comp=Z,174nm,18.0s,baz=272,slow=32						
PLCA	Paso Flores	87.44	132	eP	P	17 36 28.1	+1.1
PLCA	comp=Z,55nm,1.5s			pmax	pmax		
EGAK	Eagle	87.45	13	eP	P	17 36 26.4	+0.3
EGAK	comp=Z,19nm,1.0s						
EGAK	Baijiatuu	87.62	314	eP	P	17 36 28.0	+0.5
BJT	Baijiatuu	87.62	314	eP	P	17 36 28.0	+0.5
BJT	comp=Z,460nm,20.0s			LR	LR		
BJT	Baijiatuu	87.62	314	eP	P	17 36 28.0	+0.5
BJT	MLR			MLR	MLR		
BJI	Beijing	87.62	314	S	S	17 36 28.9	+1.4
BJI	comp=Z,9.0nm,0.6s			pmax	pmax		
BJI	Beijing	87.62	314	S	S	17 47 11.0	+3.8
ABTX	Abilene, Hawle	87.78	54	eP	P	17 36 28.7	+0.1
ABTX	comp=Z,132nm,1.3s						
ABTX	Abilene, Hawle	87.78	54	P	P	17 36 28.4	-0.1
SKLT	Songkhla	87.93	278	P	P	17 36 32.4	+2.8
COLD	Longfoot	87.98	9	eP	P	17 36 30.9	+2.3
PSI	Prapat	88.09	274	eP	P	17 36 30.5	-0.1
PSI	comp=Z,20nm,1.3s						
PSI	Prapat	88.09	274	eP	P	17 36 30.5	-0.1
EGMT	Eagleton	88.13	37	PFAKE	LR	17 36 40.0	+1.0
EGMT	comp=Z,946nm,22.0s			LR	LR		
BILL	Bilibino	88.18	353	eP	P	17 36 28.8	-0.8
BILL	comp=Z,41nm,1.3s			LR	LR		
BILL	Bilibino	88.18	353	eP	P	17 36 28.7	-0.8
BILL	comp=Z,479nm,20.0s			pmax	pmax		
BILL	Bilibino	88.18	353	eP	P	17 36 28.7	-0.8
SKNT	Sokolnokon	88.18	289	P	P	17 36 32.0	+1.3
ZEA	Zeya	88.35	329	eP	P	17 36 30.2	-0.5
ZEA	comp=Z,57nm,1.2s			pmax	pmax		
ZEA	Zeya	88.35	329	eP	P	17 36 30.2	-0.5
ENH	Enshi	88.42	303	eP	P	17 36 29.1	-2.5
ENH	comp=Z,95nm,1.4s			LR	LR		
ENH	Enshi	88.42	303	eP	P	17 36 29.1	-2.5
435B	Jarrell	88.64	57	P	P	17 36 32.4	-0.2
GO05	Hualalai	88.64	127	eP	P	17 36 33.6	+0.9
GO05	comp=Z,63nm,1.2s						
SYO	Syowa Base	88.77	192	iP	P	17 36 33.4	+0.9
SYO	comp=Z,21nm,1.1s			PcP	PcP		
SYO	Syowa Base	88.77	192	iP	P	17 36 35.5	+1.1
GS1	Günungsitoli	88.87	272	eP	P	17 36 36.0	+1.8
SRAK	Srakae	88.92	285	P	P	17 36 33.8	-0.4
APG	Ei Apazote	88.99	74	P	P	17 36 34.7	-0.1
TRIT	Trang	89.14	175	P	P	17 36 36.5	+1.7
TRIT	comp=Z,24nm,1.1s,baz=270,slow=8.0,SNR=13						
VNA3	Neumayer Olymp	89.14	175	P	P	17 36 35.4	+1.0
SNA4	Sanae	89.16	177	P	P	17 36 35.5	+1.1
SNA4	comp=Z,23nm,1.3s						
SNA4	Sanae	89.16	177	P	P	17 36 35.1	+0.7
SNA4	comp=Z,30nm,1.0s						
SNA4	Lake Whitney	89.22	177	eP	P	17 36 35.2	+0.7
SNA4	comp=Z,610nm,19.9s						
GYA	Guiyang	89.27	298	P	P	17 36 36.0	+0.2
GYA	comp=Z,1.1nm,1.1s,baz=133,slow=6.7,SNR=56			pP	pP		
GYA	Guiyang	89.27	298	P	P	17 36 45.4	-0.4
GYA	comp=Z,1.1nm,1.1s,baz=133,slow=6.7,SNR=56			SKS	SKS		
GYA	Guiyang	89.27	298	P	P	17 40 08.0	+1.1
GYA	comp=Z,1.1nm,1.1s,baz=133,slow=6.7,SNR=56			SS	SS		
GYA	Guiyang	89.27	298	P	P	17 47 01.6	-2.5
GYA	comp=Z,0.7nm,0.8s,baz=280,slow=4.6,SNR=6.6			SS	SS		
GYA	Guiyang	89.27	298	P	P	17 47 21.4	-2.3
GYA	comp=Z,0.7nm,0.8s,baz=280,slow=4.6,SNR=6.6			SS	SS		
GYA	Guiyang	89.27	298	P	P	17 47 36.6	+0.2
GYA	comp=Z,30nm,1.0s			pmax	pmax		
GYA	Guiyang	89.27	298	P	P	17 53 19.9	+1.0
GYA	comp=Z,1.1nm,1.1s,baz=133,slow=6.7,SNR=56			pmax	pmax		
GYA	Guiyang	89.27	298	P	P	17 53 19.9	+1.0
GYA	comp=Z,1.1nm,1.1s,baz=133,slow=6.7,SNR=56			MLR	MLR		
GYA	Guiyang	89.27	298	P	P	17 53 19.9	+1.0
GYA	comp=Z,1.1nm,1.1s,baz=133,slow=6.7,SNR=56			MLR	MLR		
GYA	Guiyang	89.27	298	P	P	17 53 19.9	+1.0
GYA	comp=Z,1.1nm,1.1s,baz=133,slow=6.7,SNR=56			MLR	MLR		
GYA	Guiyang	89.27	298	P	P	17 53 19.9	+1.0
GYA	comp=Z,1.1nm,1.1s,baz=133,slow=6.7,SNR=56			MLR	MLR		
GYA	Guiyang	89.27	298	P	P	17 53 19.9	+1.0
GYA	comp=Z,1.1nm,1.1s,baz=133,slow=6.7,SNR=56			MLR	MLR		
GYA	Guiyang	89.27	298	P	P	17 53 19.9	+1.0
GYA	comp=Z,1.1nm,1.1s,baz=133,slow=6.7,SNR=56			MLR	MLR		
GYA	Guiyang	89.27	298	P	P	17 53 19.9	+1.0
GYA	comp=Z,1.1nm,1.1s,baz=133,slow=6.7,SNR=56			MLR	MLR		
GYA	Guiyang	89.27	298	P	P	17 53 19.9	+1.0
GYA	comp=Z,1.1nm,1.1s,baz=133,slow=6.7,SNR=56			MLR	MLR		
GYA	Guiyang	89.27	298	P	P	17 53 19.9	+1.0
GYA	comp=Z,1.1nm,1.1s,baz=133,slow=6.7,SNR=56			MLR	MLR		
GYA	Guiyang	89.27	298	P	P	17 53 19.9	+1.0
GYA	comp=Z,1.1nm,1.1s,baz=133,slow=6.7,SNR=56			MLR	MLR		
GYA	Guiyang	89.27	298	P	P	17 53 19.9	+1.0
GYA	comp=Z,1.1nm,1.1s,baz=133,slow=6.7,SNR=56			MLR	MLR		
GYA	Guiyang	89.27	298	P	P	17 53 19.9	+1.0
GYA	comp=Z,1.1nm,1.1s,baz=133,slow=6.7,SNR=56			MLR	MLR		
GYA	Guiyang	89.27	298	P	P	17 53 19.9	+1.0
GYA	comp=Z,1.1nm,1.1s,baz=133,slow=6.7,SNR=56			MLR	MLR		
GYA	Guiyang	89.27	298	P	P	17 53 19.9	+1.0
GYA	comp=Z,1.1nm,1.1s,baz=133,slow=6.7,SNR=56			MLR	MLR		
GYA	Guiyang	89.27	298	P	P	17 53 19.9	+1.0
GYA	comp=Z,1.1nm,1.1s,baz=133,slow=6.7,SNR=56			MLR	MLR		
GYA	Guiyang	89.27	298	P	P	17 53 19.9	+1.0
GYA	comp=Z,1.1nm,1.1s,baz=133,slow=6.7,SNR=56			MLR	MLR		
GYA	Guiyang	89.27	298	P	P	17 53 19.9	+1.0
GYA	comp=Z,1.1nm,1.1s,baz=133,slow=6.7,SNR=56			MLR	MLR		
GYA	Guiyang	89.27	298	P	P	17 53 19.9	+1.0
GYA	comp=Z,1.1nm,1.1s,baz=133,slow=6.7,SNR=56			MLR	MLR		
GYA	Guiyang	89.27	298	P	P	17 53 19.9	+1.0
GYA	comp=Z,1.1nm,1.1s,baz=133,slow=6.7,SNR=56			MLR	MLR		
GYA	Guiyang	89.27	298	P	P	17 53 19.9	+1.0
GYA	comp=Z,1.1nm,1.1s,baz=133,slow=6.7,SNR=56			MLR	MLR		
GYA	Guiyang	89.27	298	P	P	17 53 19.9	+1.0

Table with columns: MLR, Muntele Rosu, 7.39 279 Pn, Pn, 19 08 21.6 0.0, 0.3nm, 0.3s, baz=90, slow=20, SNR=4.4

ISC/JB 17 19:16:20.4-0.6, 20.8S:0.1x178.6W:0.1, h579km, mb4.0/14, Error ellipse: s-maj=16.7km s-min=9.0km az=143.1

ISC 17 19:16:20.7-2.1, 20.74S:178.61W, h562km, 24km, mb3.6/14, mb1 3.7/17, mb1mx3.4/40, mbtmp4.6/17, Error ellipse: s-maj=16.5km s-min=14.5km az=49.0

ISC 17 19:16:21.0-6.2, 20.8S:0.1x178.4W:0.1, h579km, n21, c1952/22, mb4.1/14, Fiji Islands region

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, ISC, Time, Res, h m s, ISC

TAP 17 19:30:31.9, 23.04N:121.17E, h18km, 1km, ML1.7, 4D, B, Taiwan

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, ISC, Time, Res, h m s, ISC

Table with columns: WTP, baz=292, eS, Sb, 19 30 50.8 0.0, baz=292, Ta-pu, 0.56 292 / S, P, 19 30 43.8 +0.7

TAP 17 19:30:35.7, 23.24N:120.62E, h8km, ML1.1, 1C-1D, B, Taiwan

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, ISC, Time, Res, h m s, ISC

ISC 17 19:30:47.0-1.1, 10.92S:111.11E, h0km, mb3.7/8, mb1 3.8/10, mb1mx3.6/47, mbtmp3.7/10, ML3.5/2, MS3.9/4, Ms1 3.9/4, ms1mx3.1/32, Error ellipse: s-maj=46.7km s-min=18.1km az=48.0

ISC/JB 17 19:30:50.9-0.8, 10.7S:0.1x111.46E:0.1, h33km, mb3.6/8, MS4.1/2, Error ellipse: s-maj=22.4km s-min=10.5km az=26.2

ISC 17 19:30:52.7-1.1, 10.9S:0.2x111.4E:0.1, h35km, m13, c1935/11, mb3.7/8, South of Java

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, ISC, Time, Res, h m s, ISC

ISC 17 19:38:50.4-0.4, 1.17N:97.22E, h0km, mb4.8/27, mb1 4.8/30, mb1mx4.6/49, mbtmp4.7/30, ML4.3/3, MS4.0/16, Ms1 4.0/16, ms1mx3.8/35, Error ellipse: s-maj=15.6km s-min=9.5km az=46.0

Error ellipse: s-maj=6.9km s-min=4.3km az=49.0, ISC 17 19:38:55.7-0.6, 1.23N:0.04, 97.13E:0.04, h34km, 2km, n393, c1932/403, mb5.0/8, MS4.3/30, 34C-1D, Northern Sumatra

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, ISC, Time, Res, h m s, ISC

TRIT Trang 7.04 21 P Pn 19 40 34.9 -1.6, KRAB Krabi 7.25 16 P Pn 19 40 37.6 -1.7

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, ISC, Time, Res, h m s, ISC

CHTO Chiang Mai 17.57 6 ePn Pn 19 42 55.1 -3.0, CHTO Chiang Mai 17.57 6 pmax pmax 19 42 55.1 -3.0

CHTO Chiang Mai 17.57 6 P Pn 19 42 56.3 -1.8, CHTO Chiang Mai 17.57 6 P Pn 19 42 56.2 -1.9

CHTO Chiang Mai 17.57 6 P Pn 19 42 57.8 -2.5, CHTO Chiang Mai 17.57 6 P Pn 19 42 57.8 -2.5

PAYA Payao 18.22 8 P Pn 19 43 05.2 -0.9, KKM Kota Kinabalu 19.64 75 eP Pn 19 43 21.0 -0.8

BKB Balikpapan 19.92 7 P Pn 19 43 27.1 +0.4, TRD Traratan 21.34 280 ex P Pn 19 43 41.1 +0.9

QIZ Qizhongzhong 21.64 34 P Pn 19 43 42.8 -0.5, QIZ QIZ 21.64 34 S pmax Pn 19 47 42.3 +0.9

QIZ comp=Z,25nm,1.2s LR LR 19 43 42.3 +0.9, QIZ comp=Z,610nm,14.3s LR LR 19 43 42.3 +0.9

QIZ comp=Z,800nm,15.3s LR LR 19 43 42.3 +0.9, MYLDM Lahad Datu 21.69 79 eP Pn 19 43 43.1 -0.9

BWNR Bhubaneswar 21.94 330 eP Pn 19 43 47.7 +1.1, MPSI Mapaga 22.79 92 P Pn 19 43 55.2 -0.5

PCI Palu 22.71 95 P Pn 19 44 02.8 +6.9, KSM Sidrap Palu 23.21 103 P Pn 19 44 00.0 0.0

BNSI Bone 23.63 104 P Pn 19 44 04.2 +0.1, BNSI Bulukamba 23.73 106 P Pn 19 44 08.4 +2.0

HYB Hyderabad 24.34 312 iP Pn 19 44 12.0 +1.3, HYB Hyderabad 24.34 312 eP pP Pn 19 44 21.0 +0.6

HYB Hyderabad 24.34 312 eP IAMB IAMB Pn 19 44 21.0 +1.7, HYB Hyderabad 24.34 312 eP IAMB IAMB Pn 19 44 31.3

KMI Kunming 24.36 12 P Pn 19 44 12.0 +0.9, KMI KMI 24.72 349 eP Pn 19 44 21.4 +0.6

KMI KMI 24.72 349 eP S Pn 19 44 26.8 +1.9, KMI KMI 24.72 349 eP S Pn 19 48 26.5 -2.2

KMI comp=Z,120nm,1.3s pmax pmax 19 44 26.5 -2.2, KMI comp=Z,400nm,3.5s LR LR 19 44 26.5 -2.2

KMI comp=Z,24m,15.1s LR LR 19 44 26.5 -2.2, KMI comp=Z,710nm,11.9s LR LR 19 44 26.5 -2.2

KMI comp=Z,24m,16.0s LR LR 19 44 26.5 -2.2, APSI Ampama 24.61 95 P Pn 19 44 13.7 +0.5

SHL Shillong 24.72 349 eP Pn 19 44 14.0 -0.2, SHL Shillong 24.72 349 eP Pn 19 44 14.0 -0.2

SHL Shillong 24.72 349 eP S Pn 19 44 14.2 0.0, SHL Shillong 24.72 349 eP S Pn 19 48 30.4 -0.3

Table with columns for station name, coordinates, and various data points. Includes stations like KDI Kendari, H08S2 Diego Garcia H, H08S3 Diego Garcia H, etc.

Table with columns for station name, coordinates, and various data points. Includes stations like BTO Baotou, HHC Hu-ho-hao-te, HHC HHC, etc.

Table with columns for station name, coordinates, and various data points. Includes stations like GEYT Alibeck, GYA0B ALIBECK ARRAY, MSHR MYS Shuita, etc.

JMA 17 22:27:22.3:0.1,34°94N-138°17E,h21km₁,km,MO.5,
Near south coast of eastern Honshu

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
JNY	Yasuok	0.49 329	P	Sb	22 27 31.8	-0.4
					22 27 38.9	-0.1

JMA 17 22:27:39.0,37°03N-138°71E,h6km₂,km,M1.9,Near
west coast of eastern Honshu

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
JHK	Hiroka	0.33 48	P	Pg	22 27 45.3	-0.1
JHJ	Kumozaki	0.50 360	P	Sg	22 27 50.2	+0.4
JJZ	Zatashina	0.51 121	P	Pb	22 27 49.6	-0.6
JKT	Kamohashi	0.51 320	P	Pb	22 27 48.8	0.0
MAT	Matsushiro	0.63 220	P	Sg	22 27 50.8	-0.4
MAT	Matsushiro	0.63 220	P	Sg	22 27 58.9	-0.5
MAT	Matsushiro	0.63 220	P	Sg	22 27 58.0	-0.4
MAT	Matsushiro	0.63 220	P	Sg	22 27 59.0	-0.4
JAG	Ashikaga	0.85 135	P	Pg	22 27 55.3	0.0
JRY	Ryogami san	1.02 171	P	Pg	22 27 58.2	-0.4

IDC 17 22:46:57.9:8.7,36°24N:70°61E,h129km₂,98km,mb3.4/2,
mb1 3.2/5,mb1mx2.9/37,mbtrmp3.6/5,ML3.1/3,Error
ellipse: s-maj=77.6km s-min=26.3km az=143.0,
ISCJB 17 22:47:00.7:0.7,36°37N:0°04:70.75E:0.1,0,h200km,
GC04,711,Error ellipse: s-maj=11.2km s-min=4.9km
az=168.8
NNC 17 22:47:05.0:3.4,36°81N:70°63E,h159km₂,65km,mb2.8,
mpv3.7,Error ellipse: s-maj=34.2km s-min=31.7km
az=110.0

ISC 17 22:47:04.1:1.2,36°55N:0°08:71.0E:0.1,h200km,n26,
α154/30,6C-2D,Hindu Kush region

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
SFK	Sufi-Kurgan	3.89 30	Op	ISC	22 48 04.4	-0.2
SFK	22nm,0.3s				22 48 52.0	-0.3
AML	Almayashu	5.86 20	P	Pn	22 48 29.5	-0.2
MNAS	Manas	5.94 11	Op	Pn	22 48 30.3	-0.3
MNAS	8.4nm,0.5s				22 49 37.7	-1.5
UCH	Uchter	6.20 25	P	Pn	22 48 34.1	-0.1
EKS2	Erkin-Say	6.37 19	P	Pn	22 48 36.4	+0.2
KK31	Karatay Array	6.45 357	P	Pn	22 48 35.7	-1.4
KK31	2.7nm,0.4s,baz=175,slow=13,SNR=48				22 49 47.3	-3.6
AAK	Ala-Archa	6.56 23	P	Pn	22 48 39.1	+0.5
AAK	11nm,0.6s				22 49 52.5	-1.0
AAK	Ala-Archa	6.56 23	P	Pn	22 48 38.9	+0.4
ASP	Ospenovka	7.13 21	P	Pn	22 48 46.3	+0.4
TKM2	Tokmak 2	7.19 28	Op	Pn	22 48 47.3	+0.4
TKM2	2.9nm,0.6s				22 50 08.4	-0.2
TKM2	3.6nm,0.7s				22 48 47.5	+0.6
GEYT	Alibek	10.34 281	P	Pn	22 49 21.1	-6.7
GEYT	0.2nm,0.3s,baz=102,slow=9.5,SNR=4.5				22 51 10.6	-1.3
MKAR	Makanchi Array	13.17 26	P	Pn	22 50 05.5	-1.0
PKYU	Piuthan	13.23 127	eP	Pn	22 50 02.1	-2.6
DANN	Dangasing	13.57 124	eP	Pn	22 50 06.9	-2.1
DANN	0.2nm,0.3s,baz=169,slow=11,SNR=14				22 50 26.6	+0.4
DMN	Daman	14.96 123	eP	Pn	22 50 25.0	-1.0
KKN	Kakan	14.96 122	eP	Pn	22 50 24.7	-1.3
KURBB	Kurchatov Arra	14.98 19	P	Pn	22 50 30.5	+4.1
PKH	Phukhoki	15.17 123	eP	Pn	22 50 27.4	-1.3
PKI	Pulchoki	15.19 123	eP	Pn	22 50 27.6	-1.3
GUN	Gumba	15.29 121	eP	Pn	22 50 28.9	-1.3
JIRN	Jir	15.66 121	eP	Pn	22 50 34.5	-0.2
ZALV	Zalesovo Beam	19.78 25	P	Pn	22 51 22.8	0.0
WRA	Warramunga Arr	82.07 122	P	Pn	22 59 04.5	+2.2

NEIC 17 22:52:02.9:0.7,24°16S:66°95W,h158km₂,3km,mb4.3/8,
MD3.9(SJA),Error ellipse: s-maj=13.9km s-min=7.6km
az=86.0

ISCJB 17 22:52:03.8:0.3,24°16S:0°03:67.22W:0.0,3,h184km₂,3km,
mb4.0/16,Error ellipse: s-maj=5.2km s-min=4.1km
az=30.4

SJA 17 22:52:03.9:0.9,24°08S:67°11W,h194km₂,10km,ML3.9,
MW3.9

GUC 17 22:52:05.4:0.5,24°04S:67°84W,h241km₂,10km,ML4.7,
IDC 17 22:52:05.6:2.9,24°00S:66°91W,h182km₂,23km,mb3.7/9,
mb1 3.9/13,mb1mx3.8/23,mbtrmp4.3/13,Error ellipse:
s-maj=28.9km s-min=13.6km az=38.0

ISC 17 22:52:04.4:0.7,24°14S:0°04:67.18W:0.0,4,h177km₂,6km,
n62,α154/78,mb4.1/16,9C,Chile-Argentina border

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
SLA	San Lorenzo	1.63 111	eP	Pn	22 52 39.3	+1.8
SLA	Humahuaca	1.87 61	eP	Pn	22 53 05.1	+1.9
HJA	Zapla	1.93 93	eP	Pn	22 52 41.7	+1.0
SLA	Limon Verde	2.20 313	ePn	Pn	22 52 09.7	+0.9
LVC	Limon Verde	2.20 313	eP	Pn	22 52 45.1	+1.3
LVC	Catayeta	2.25 151	eP	Pn	22 53 14.5	+1.3
FB15	IPOC Station P	2.30 293	eP	Pn	22 52 46.3	+1.5
FB15	IPOC Station P	2.30 293	Op	Pn	22 52 46.3	+1.5
FB15	IPOC Station P	2.30 293	Op	Pn	22 53 17.4	+1.4
FB15	IPOC Station P	2.30 293	Op	Pn	22 53 21.7	
YJA	Yavi	2.48 38	eP	Pn	22 52 48.0	+0.8
PB06	IPOC Station P	2.62 302	eP	Pn	22 52 49.8	+1.4
PB06	IPOC Station P	2.62 302	Op	Pn	22 52 49.7	+1.2
PB06	IPOC Station P	2.62 302	Op	Pn	22 53 23.0	+0.3
PB06	IPOC Station P	2.62 302	Op	Pn	22 53 25.2	
ALOL	LOMAS DE OLMED	2.94 84	eP	Pn	22 52 52.7	+0.5
PB14	IPOC Station P	2.98 260	eP	Pn	22 52 53.7	+0.7
PB14	IPOC Station P	2.98 260	Op	Pn	22 52 53.6	+0.7
PB14	IPOC Station P	2.98 260	Op	Pn	22 53 29.7	+1.0
PB14	IPOC Station P	2.98 260	Op	Pn	22 53 31.5	
PB09	IPOC Station P	3.01 320	eP	Pn	22 52 54.5	+1.3
PB09	IPOC Station P	3.01 320	Op	Pn	22 52 54.5	+1.3
PB05	IPOC Station P	3.06 294	eP	Pn	22 52 54.4	+0.6
PB05	IPOC Station P	3.06 294	Op	Pn	22 52 54.3	+0.6
PB05	IPOC Station P	3.06 294	Op	Pn	22 53 31.1	-1.0

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
PB05	Horco Molle	3.12 148	eP	Pn	22 52 55.3	+0.9
PB03	IPOC Station P	3.15 311	eP	Pn	22 52 55.7	+0.8
PB03	IPOC Station P	3.15 311	Op	Pn	22 52 55.6	+0.6
PB03	IPOC Station P	3.15 311	Op	Pn	22 53 35.2	-1.4
PB03	IPOC Station P	3.15 281	ePn	Pn	22 52 55.7	+0.9
PB10	IPOC Station P	3.15 281	Op	Pn	22 53 34.1	+0.1
PB10	IPOC Station P	3.15 281	Op	Pn	22 53 38.5	
PB04	IPOC Station P	3.27 303	ePn	Pn	22 52 56.2	-0.2
PB04	IPOC Station P	3.27 303	ePn	Pn	22 53 35.6	-1.3
PB04	IPOC Station P	3.27 303	Op	Pn	22 52 56.8	+0.4
PB04	IPOC Station P	3.27 303	Op	Pn	22 53 35.4	-1.5
PB04	IPOC Station P	3.27 303	Op	Pn	22 53 38.8	
PB01	IPOC Station P	3.75 325	ePn	Pn	22 53 02.1	-0.2
PB01	IPOC Station P	3.75 325	ePn	Pn	22 53 45.0	-2.5
GO03	Copiap	4.41 218	ePn	Pn	22 53 40.1	-0.5
GO03	Copiap	4.41 218	ePn	Pn	22 54 00.7	-2.0
PB11	IPOC Station P	4.92 332	ePn	Pn	22 53 16.4	-1.1
PB11	IPOC Station P	4.92 332	ePn	Pn	22 53 10.2	-4.6
MMNC	Minye Minye	5.46 335	ePn	Pn	22 53 23.9	-0.8
MMNC	Minye Minye	5.46 335	ePn	Pn	22 54 25.4	-3.2
LCO	Las Campanas	5.79 212	ePn	Pn	22 53 27.4	-1.4
LCO	Las Campanas	5.79 212	ePn	Pn	22 54 25.4	-1.0
GO04	Tololo Observa	6.82 307	ePn	Pn	22 53 40.6	-1.7
GO04	Tololo Observa	6.82 307	ePn	Pn	22 53 56.7	-2.0
LPAZ	La Paz	7.86 353	ePn	Pn	22 53 56.6	+0.1
LPAZ	La Paz	7.86 353	ePn	Pn	22 55 23.2	-1.8
LPAZ	La Paz	7.86 353	ePn	Pn	22 53 56.7	+0.2
LPAZ	La Paz	7.86 353	ePn	Pn	22 54 11.7	-1.5
TRQA	Tornquist	14.57 163	ePn	Pn	22 55 21.6	-0.6
NNA	Nana	15.17 321	P	Pn	22 55 32.3	+1.5
SAML	Samuel	15.58 15	ePn	Pn	22 55 32.1	-2.6
SPB	Sao Paulo	18.07 92	eP	Pn	22 56 00.6	-1.9
BDFB	Brasilia	19.89 68	P	Pn	22 56 21.4	-1.1
Z50A	Ashland	59.80 342	eP	Pn	23 01 51.0	+0.1
JCT	Junction City	62.67 328	eP	Pn	23 02 11.5	+1.2
WWT	Waverly	63.04 341	eP	Pn	23 02 12.3	-0.3
TXAR	Lajitas Array	63.69 325	P	Pn	23 02 18.0	+0.8
MNTX	Mount Pierson	66.46 325	eP	Pn	23 02 35.4	+0.5
DBIC	Dimbockro	68.00 72	P	Pn	23 02 43.9	-1.0
ANMO	Albuquerque	69.57 326	eP	Pn	23 02 56.5	+2.1
WUAZ	Wupatki	72.59 323	eP	Pn	23 03 15.2	+2.7
SYO	Syow Base	73.48 159	eX	Pn	23 03 20.0	+0.8
MTPU	Mount Pierson	74.90 325	eP	Pn	23 03 28.4	+2.3
TPNV	Topopah Spring	76.34 321	eP	Pn	23 03 37.0	+2.8
TORD	Tordi Ar. Bea	77.77 69	P	Pn	23 03 34.8	-2.0
PDAR	Pinedale Array	77.18 329	P	Pn	23 03 39.1	+0.4
ULM	Lac du Bonnet	78.31 342	P	Pn	23 03 44.8	+0.3
NVAR	Mina Array Bea	78.54 321	P	Pn	23 03 47.6	+1.2
BOSA	Boshof	80.82 117	P	Pn	23 03 58.9	+0.9
MAW	Mawson	85.15 163	P	Pn	23 04 01.9	+1.2
YKA	Yellowknife Arr	94.20 340	P	Pn	23 05 03.3	+0.7
ASAR	Alice Springs	128.26 205	PKP	Pn	23 10 50.3	-0.1
WRA	Warramunga Arr	131.43 207	PKP	Pn	23 10 57.0	+0.6
ZALV	Zalesovo Beam	143.59 28	PKP	Pn	23 11 15.8	+1.2
MKAR	Makanchi Array	146.73 40	PKP	Pn	23 11 23.2	-0.1
MKAR	Makanchi Array	146.73 40	PKP	Pn	23 11 26.2	+0.9

NNC 17 23:21:45.2:3.3,37°17N:71°25E,h0km,mb3.8,mpv3.4,
3C-2D,Error ellipse: s-maj=25.5km s-min=22.7km
az=176.0,Afghanistan-Tajikistan border region

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
SFK	Sufi-Kurgan	2.89 37	Op	ISC	22 52 32.3	-0.4
SFK	8.1nm,0.3s				23 23 10.2	+1.8
MNAS	Manas	4.86 11	Op	Pn	23 22 59.7	-0.1
MNAS	5.7nm,0.3s				23 23 57.2	+0.3
KK31	Karatay Array	5.41 354	P	Pn	23 23 08.7	+1.5
KK31	0.4nm,0.3s,baz=167,slow=12,SNR=9.6				23 24 12.0	+1.8
KK31	2.4nm,0.5s,baz=168,slow=19,SNR=8.3					

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like YUK, Yuzh-Kuril'sk, MKZ, MYs Kozlova, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MK31, Makanchi Array, MKAR, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like AS01, Alice Springs, ASAR, etc.

WEL 18 00:43:11.2,38.8S;0.5:177.3E;0.6,h5km,ML3.5/25, North Island

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	h	m	s	ISC	Time Res
SNZG	Shannon Statio	0.05	110	P	P	Pg	00	43	13.0	+0.4	0.3
SNZG	Shannon Statio	0.05	110	P	P	Sg	00	43	13.6	+1.0	0.3
RAHZ	Arahi	0.21	225	P	P	Pg	00	43	16.1	+1.4	0.4
RAHZ	Arahi	0.21	225	P	P	Sg	00	43	21.5	+3.2	0.2
RAGZ	Rawiri	0.29	21	P	P	Pg	00	43	18.0	-1.0	0.3
RAGZ	Rawiri	0.29	21	P	P	Sb	00	43	23.7	-0.3	0.3
WHHZ	Waihua	0.31	187	P	P	Pg	00	43	18.7	-0.6	0.3
WHHZ	Waihua	0.31	187	P	P	Sb	00	43	25.9	+0.3	0.3
MTHZ	Maungataniwha	0.35	256	P	P	Pg	00	43	19.4	-0.6	0.3
RIGZ	Rimuha	0.38	81	P	P	Pg	00	43	20.1	-0.4	0.3
KNZ	Kokohu	0.40	130	P	P	Pg	00	43	20.2	-0.6	0.3
KNZ	Kokohu	0.40	130	P	P	Sb	00	43	27.4	+0.2	0.3
MWZ	Matawai	0.47	24	P	P	Pg	00	43	21.3	-0.8	0.3
MWZ	Matawai	0.47	24	P	P	Sb	00	43	30.0	+0.7	0.3
MUGZ	Murupara	0.49	305	P	P	Pg	00	43	22.2	-0.2	0.3
MUGZ	Murupara	0.49	305	P	P	Sb	00	43	30.1	+0.2	0.3
PRGZ	Paritu Road	0.49	109	P	P	Pg	00	43	22.2	-0.3	0.3
NMHZ	Naumai	0.50	228	P	P	Pg	00	43	22.4	-0.1	0.3
URZ	Urewera	0.52	345	P	P	Pg	00	43	22.3	-0.1	0.3
ARHZ	Aropanui	0.55	244	P	P	Pg	00	43	23.4	+0.2	0.3
TKGZ	Te Karaka	0.55	54	P	P	Pg	00	43	23.5	+0.2	0.3
TKGZ	Te Karaka	0.55	54	P	P	Sb	00	43	33.2	+1.7	0.3
MHGZ	Mahia Peninsula	0.62	129	P	P	Pg	00	43	25.3	+0.7	0.3
MHGZ	Mahia Peninsula	0.62	129	P	P	Sb	00	43	35.3	-0.3	0.3
SKZ	Black Stump Fm	0.73	227	P	P	Pg	00	43	25.9	+0.1	0.3
RRRZ	Republican Rm	0.74	305	P	P	Pg	00	43	27.0	+0.4	0.3
PRRZ	Plateau Road	0.74	291	P	P	Pg	00	43	26.8	+0.2	0.3
ALRZ	Allen Road	0.76	285	P	P	Pg	00	43	27.2	+0.2	0.3
CNRZ	Carnagh Statio	0.78	69	P	P	Pg	00	43	28.9	+0.1	0.3
TWZG	Tauwharepae	0.80	43	P	P	Pg	00	43	29.0	-0.3	0.3
CKHZ	Cape Kidnapper	0.91	190	P	P	Pg	00	43	32.3	+0.5	0.3
WPRZ	Whakapatariri	0.91	285	P	P	Pg	00	43	30.1	+0.6	0.3
HRZR	Hossack Road	0.93	299	P	P	Pg	00	43	30.3	+0.4	0.3
KWHR	Kaweka Forest	0.94	225	P	P	Pg	00	43	30.5	+0.5	0.3
GRZ	Galatos Road	1.01	294	P	P	Pg	00	43	32.9	+0.9	0.3
PURZ	Puketiti	1.03	48	P	P	Pg	00	43	32.9	+0.6	0.3
KAHZ	Katuranaki	1.07	197	P	P	Pg	00	43	32.4	+0.2	0.3
PKGZ	Pakihiroa	1.08	36	P	P	Pg	00	43	34.4	+0.4	0.3
HAZ	Te Kaha	1.08	22	P	P	Pg	00	43	32.4	+0.0	0.3
OPRZ	Ohinepanea	1.08	328	P	P	Pg	00	43	32.9	-0.1	0.3
KRHZ	Kereru	1.13	219	P	P	Pg	00	43	34.0	+0.3	0.3
RAVZ	Rangitukia	1.18	265	P	P	Pg	00	43	34.9	+0.4	0.3
KAHZ	Kakarama	1.42	316	P	P	Pg	00	43	35.9	+0.3	0.3
WMGZ	Waionatani S	1.30	44	P	P	Pg	00	43	36.8	+0.7	0.3
PXZ	Pawanui	1.30	194	P	P	Pg	00	43	38.5	+2.3	0.3
KRVZ	Karewarewa	1.32	255	P	P	Pg	00	43	36.4	0.0	0.3
MOVZ	Moawhango	1.35	241	P	P	Pg	00	43	37.1	0.0	0.3
NGZ	Ngauruhoe	1.37	252	P	P	Pg	00	43	37.9	+0.3	0.3
PNHZ	Pukenui	1.42	316	P	P	Pg	00	43	37.8	0.0	0.3
COVZ	Chateau Observ	1.42	252	P	P	Pg	00	43	38.7	+0.1	0.3
WPHZ	Waipukurau	1.45	206	P	P	Pg	00	43	39.4	+0.3	0.3
PKVZ	Pokaka	1.60	250	P	P	Pg	00	43	41.7	-0.1	0.3
HIZ	Hauti	1.92	277	P	P	Pg	00	43	47.0	+0.4	0.3
MRZ	Mangatainoa R	2.30	214	P	P	Pg	00	43	49.3	-0.5	0.3

ISC 18 00:45:07.8;1.2,36.45N;144.09E,h0km,mb3.5/5, mb1 3.7/8,mb1mx3.5/52,mbtmp3.6/8,ML3.4/2, Error ellipse: s-maj=26.9km s-min=25.3km az=144.0

ISCJB 18 00:45:11.2;0.8,36.69N;106.143.71E;0.6,h33km, mb3.5/5, Error ellipse: s-maj=9.1km s-min=7.1km az=172.6

JMA 18 00:45:12.0;0.3,36.78N;143.68E,h54km,MB3.6

ISC 18 00:45:12.7;0.1,36.80N;143.75E;0.8,h35km,n19, r179.24,mb3.5/5,Off east coast of Honshu

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	h	m	s	ISC	Time Res
ONAJ	Iwakimizuishiy	2.42	283	P	P	Pg	00	45	49.2	-0.6	0.3
JFK	Kawauchi	2.42	289	P	P	Pg	00	45	48.9	-0.9	0.3
JFK	Kawauchi	2.42	289	P	P	Sb	00	46	15.4	-2.9	0.3
JFT	Otama	2.88	290	P	P	Pg	00	46	28.0	-1.5	0.3
JFT	Otama	2.88	290	P	P	Sb	00	45	57.1	-1.8	0.3
BSO1	Boso 1	2.98	320	P	P	Pg	00	46	01.9	-2.2	0.3
JMK	Ichinoseki	3.09	320	P	P	Pg	00	46	04.5	+0.4	0.3
JOM	Ohasama	3.46	327	P	P	Pg	00	46	04.4	+0.4	0.3
JAG	Ashikaga	3.46	268	P	P	Pg	00	46	03.9	-1.3	0.3
JYK	Kaneyama	3.55	312	P	P	Pg	00	46	03.1	-2.8	0.3
JYK	Kaneyama	3.55	312	P	P	Sb	00	46	11.1	+0.2	0.3
JRY	Ryogami san	3.96	263	P	P	Pg	00	46	55.8	-0.3	0.3
JYJ	Shimob	4.36	257	P	P	Pg	00	47	06.3	+0.3	0.3
JYJ	Shimob	4.36	257	P	P	Sb	00	46	18.2	+0.4	0.3
IMJAR	Matsushiro Arr	4.46	271	P	P	Pg	00	46	19.0	+1.2	0.3
MAT	Matsushiro	4.46	271	P	P	Pg	00	46	28.0	-0.4	0.3
MAT	Matsushiro	4.46	271	P	P	Sb	00	46	19.9	-2.0	0.3
JHJ	Hachiojima 2	4.76	224	P	P	Pg	00	47	12.6	-3.3	0.3
JHJ	Hachiojima 2	4.76	224	P	P	Sb	00	47	12.6	-3.3	0.3
USRK	Ussuriysk Ar	11.74	314	P	P	Pg	00	55	01.0	+3.4	0.3
SONM	Songino Array	29.58	304	P	P	Pg	00	51	18.3	+4.0	0.3
MKAR	Makanchi Array	45.93	303	P	P	Pg	00	53	34.8	+2.8	0.3
ILAR	Eielson Array	48.86	32	P	P	Pg	00	50	53.6	-0.8	0.3
WRA	Warramunga Arr	56.93	191	P	P	Pg	00	54	54.8	+0.4	0.3
TXAR	Lajitas Array	88.89	54	P	P	Pg	00	58	03.6	-0.1	0.3

MOS 18 00:55:34.7;0.8,55.86N;110.24E,h9km,mb4.2/1, Error ellipse: s-maj=33.4km s-min=18.9km az=81.0

BYKL 18 00:55:37.2;0.2,55.86N;110.09E,h10km,mb3km,6C,Lake Baykal region

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	h	m	s	ISC	Time Res
NIZ	Nizh Angarsk	0.33	291	P	P	Pg	00	55	44.1	+0.3	0.3
NIZ	Nizh Angarsk	0.33	291	P	P	Sg	00	55	48.3	+0.1	0.3
NIZ	256nm.0.1s					Pmax					
NIZ	2qm.0.2s					Smax					
NIZ	Nizh Angarsk	0.33	291	P	P	Pg	00	55	44.1	+0.2	0.3
NIZ	Nizh Angarsk	0.33	291	P	P	Sg	00	55	49.1		0.3
NIZ	comp=Z,229nm,0.3s					pmax					
NIZ	comp=Z,229nm,0.3s					smax					
KMO	Kumora	0.67	70	P	P	Pg	00	55	48.9	-1.2	0.3
KMO	Kumora	0.67	70	P	P	Sg	00	55	57.5	-1.3	0.3
KMO	comp=N,71nm,0.2s					Smax					
YLVR	Ulyunkhan	1.00	142	P	P	Pg	00	55	55.3	-1.0	0.3
YLVR	Ulyunkhan	1.00	142	P	P	Sg	00	56	09.0	-0.3	0.3
YLVR	Ulyunkhan	1.00	142	P	P	Pmax	00	56	14.4		0.3
YLVR	comp=N,142nm,0.3s					pmax					
YLVR	Ulyunkhan	1.00	142	P	P	Pg	00	55	55.3	-1.0	0.3
YLVR	Ulyunkhan	1.00	142	P	P	Sg	00	56	07.9		0.3
YLVR	Ulyunkhan	1.00	142	P	P	Pmax	00	56	07.9		0.3
YLVR	comp=Z,148nm,0.1s					smax					
YOA	Uoyan	1.03	62	P	P	Pg	00	55	56.3	-0.8	0.3
YOA	Uoyan	1.03	62	P	P	Sg	00	56	10.4	-0.1	0.3
YOA	comp=N,353nm,0.2s					Smax					
SVKR	Severomysk	2.01	75	P	P	Pg	00	56	13.0	-0.8	0.3
SVKR	Severomysk	2.01	75	P	P	Sb	00	56	39.7	+0.9	0.3

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	h	m	s	ISC	Time Res
SVKR	comp=N,154nm,0.3s					Pmax					
SVKR	comp=N,154nm,0.3s					Smax					
SVKR	comp=N,154nm,0.3s					Pmax					
SVKR	comp=N,154nm,0.3s					Smax					
SVKR	comp=N,154nm,0.3s					Pmax					
SVKR	comp=N,154nm,0.3s					Smax					
SVKR	comp=N,154nm,0.3s					Pmax					
SVKR	comp=N,154nm,0.3s					Smax					
SVKR	comp=N,154nm,0.3s					Pmax					
SVKR	comp=N,154nm,0.3s					Smax					
SVKR	comp=N,154nm,0.3s					Pmax					
SVKR	comp=N,154nm,0.3s					Smax					
SVKR	comp=N,154nm,0.3s					Pmax					
SVKR	comp=N,154nm,0.3s					Smax					
SVKR	comp=N,154nm,0.3s					Pmax					
SVKR	comp=N,154nm,0.3s					Smax					
SVKR	comp=N,154nm,0.3s					Pmax					
SVKR	comp=N,154nm,0.3s					Smax					
SVKR	comp=N,154nm,0.3s					Pmax					
SVKR	comp=N,154nm,0.3s					Smax					
SVKR	comp=N,154nm,0.3s					Pmax					
SVKR	comp=N,154nm,0.3s					Smax					
SVKR	comp=N,154nm,0.3s					Pmax					
SVKR	comp=N,154nm,0.3s					Smax					
SVKR	comp=N,154nm,0.3s					Pmax					
SVKR	comp=N,154nm,0.3s		</								

18d 1h

Table with columns: Station, Name, Time, Frequency, Power, and other technical details. Includes stations like WANAKA, CANBERRA, ODZ, LBZ, YNG, CASY, etc.

2012 OCT

Table with columns: Station, Name, Time, Frequency, Power, and other technical details. Includes stations like KLBRR, MUN, BLDU, WRKA, ASAR, etc.

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Table with columns: Station, Name, Time, Frequency, Power, and other technical details. Includes stations like COEN, KNRA, KUDU, KAKADU, MTN, etc.

CN2	comp=Z,200nm,4.0s		pmax	pmax					
CN2	comp=Z,1µm,17.0s		LR	LR					
CN2	comp=Z,1µm,17.0s		LR	LR					
CN2	comp=Z,2µm,19.0s		LR	LR					
NAI	comp=Z,2µm,19.0s	99.05 255	PFAKE	LR	01 41 10.0	+13			
MDJ	comp=Z,2µm,20.0s	99.33 349	PFAKE	LR	01 41 10.0	+13			
PB01	comp=Z,3µm,22.0s	99.57 148	PFAKE	LR	01 41 10.0	+11			
BHJ	comp=Z,1.5nm,5.2s	100.05 296	eP Iamb	Pdif Iamb	01 41 01.5	+0.3			
PB11	comp=Z,3µm,22.0s	100.72 148	PFAKE	LR	01 41 20.0	+15			
GTA	comp=Z,4.0nm,1.4s	100.83 327	eP pP	Pdif sP	01 41 07.4	+3.0			
GTA	comp=Z,7.3nm,7.0s		PP	PP	01 41 17.3	+7.7			
GTA	comp=Z,1µm,20.0s		SKS	SKS	01 51 42.3	-0.7			
GTA	comp=Z,1µm,21.6s		S	S	01 52 40.9	-0.9			
YSS	comp=Z,2µm,22.9s	100.89 359	PFAKE	LR	01 41 20.0	+16			
DDI	comp=Z,1µm,21.0s	101.33 148	PFAKE	LR	01 41 20.0	+12			
DDI	comp=Z,3µm,21.0s	101.66 306	eP Iamb	Pdif Iamb	01 41 08.3	+0.1			
SPB	comp=Z,113nm,10.2s	101.78 169	PFAKE	LR	01 41 20.0	+11			
SMLA	comp=Z,3µm,21.0s	102.75 306	eP Iamb	Pdif Iamb	01 41 12.6	-0.4			
MBAR	comp=Z,0.6nm,2.2s	103.00 250	PFAKE	LR	01 41 30.0	+15			
DHRM	comp=Z,600nm,20.0s	104.09 306	eP Iamb	Pdif Iamb	01 41 17.6	-1.6			
LPAZ	comp=Z,32nm,8.7s	104.46 148	PKIKP	PKIKP	01 45 37.3	-0.8			
LPAZ	comp=Z,1.0nm,0.8s	104.46 148	ePKIKP	ePKIKP	01 45 39.6	+1.6			
HIA	comp=Z,2µm,20.0s	105.24 344	PFAKE	LR	01 45 50.0				
NNA	comp=Z,2µm,19.0s	105.38 138	PFAKE	LR	01 45 50.0				
SHEL	comp=Z,2µm,19.0s	105.46 210	PFAKE	LR	01 45 50.0				
ATD	comp=Z,3µm,21.0s	105.91 268	PFAKE	LR	01 45 50.0				
ULN	comp=Z,2µm,19.0s	106.53 335	PFAKE	LR	01 45 50.0				
NIL	comp=Z,2µm,21.0s	106.70 305	PFAKE	LR	01 45 50.0				
DAMY	comp=Z,2µm,20.0s	107.42 271	PFAKE	LR	01 45 50.0				
PEA0B	comp=Z,2µm,20.0s	107.63 8	PFAKE	LR	01 45 50.0				
UOSS	comp=Z,2µm,21.0s	108.74 287	PFAKE	LR	01 46 00.0				
PAYG	comp=Z,3µm,20.0s	109.32 120	PFAKE	LR	01 46 00.0				
KBL	comp=Z,3µm,22.0s	109.48 302	PFAKE	LR	01 46 00.0				
BDFB	comp=Z,3µm,22.0s	109.56 167	PFAKE	LR	01 46 00.0				
KSH	comp=Z,5µm,18.0s	110.21 310	PKP PP	PKIKP PP	01 45 48.5	+1.2			
KSH	comp=Z,280nm,5.2s		PKS	PKS	01 46 29.6	+7.4			
KSH	comp=Z,690nm,12.1s		AMB	AMB	01 49 22.9	-1.0			
ADK	comp=Z,2µm,16.6s	110.73 25	PFAKE	LR	01 46 00.0				
PRZ	comp=Z,2µm,20.0s	111.57 313	PFAKE	LR	01 46 00.0				
ATKA	comp=Z,2µm,20.0s	111.65 26	PFAKE	LR	01 46 00.0				
NRN	comp=Z,3µm,22.0s	111.75 311	PFAKE	LR	01 46 00.0				
SAML	comp=Z,2µm,21.0s	112.89 150	PFAKE	LR	01 46 10.0				
FRU1	comp=Z,2µm,20.0s	113.46 311	PFAKE	LR	01 46 10.0				
MK32	comp=Z,2µm,20.0s	113.53 319	ePKIKP	PKIKP	01 45 51.8	-1.5			
MAR	comp=Z,1.7nm,1.0s	113.53 319	PKIKP	PKIKP	01 45 51.8	-1.5			
MA2	comp=Z,300nm,20.0s	113.53 319	PFAKE	LR	01 46 10.0				
MAKZ	comp=Z,1µm,21.0s	113.66 318	PFAKE	LR	01 46 10.0				
RAYN	comp=Z,2µm,21.0s	113.76 278	PFAKE	LR	01 46 10.0				
NIKH	comp=Z,2µm,22.0s	113.78 29	PFAKE	LR	01 46 10.0				
UNV	comp=Z,4µm,22.0s	115.23 30	PFAKE	LR	01 46 10.0	+14			
ASCN	comp=Z,5µm,22.0s	115.42 204	PFAKE	LR	01 46 10.0	+12			
AKUT	comp=Z,4µm,20.0s	115.69 30	PFAKE	LR	01 46 10.0	+13			
OTAV	comp=Z,2µm,22.0s	115.74 131	PFAKE	LR	01 46 10.0	+11			
YAK	comp=Z,1µm,22.0s	116.56 352	PFAKE	LR	01 46 10.0	+12			
FALS	comp=Z,1µm,20.0s	117.02 31	PFAKE	LR	01 46 10.0	+10			
SLBS	comp=Z,4µm,20.0s	118.06 88	PFAKE	LR	01 46 20.0	+17			

KURBB	comp=Z,2µm,18.0s	118.09 319	PKP	PKP	01 45 59.3	-2.5			
KURK	comp=Z,0.8nm,0.3s	118.13 319	ePKP	PKP	01 45 59.3	-2.6			
KURK	comp=Z,1µm,19.0s	118.13 319	PKIKP	PKP	01 45 59.3	-2.6			
SDPT	comp=Z,1.0nm,0.3s	118.33 32	PFAKE	LR	01 46 10.0	+7.9			
ZAAO	comp=Z,2µm,19.0s	118.50 325	PFAKE	LR	01 46 10.0	+7.5			
ZALV	comp=Z,2µm,22.0s	118.50 325	PKP	PKP	01 46 04.5	+2.0			
ZAA1	comp=Z,0.4nm,0.3s	118.50 325	ePKP	PKP	01 46 04.5	+2.0			
SRIG	comp=Z,3µm,20.0s	119.48 83	PFAKE	LR	01 46 20.0	+15			
CHGN	comp=Z,3µm,20.0s	119.78 33	PFAKE	LR	01 46 20.0	+15			
TLIG	comp=Z,3µm,20.0s	119.92 102	PFAKE	LR	01 46 20.0	+13			
MOIG	comp=Z,2µm,20.0s	120.08 98	PFAKE	LR	01 46 20.0	+13			
RCBR	comp=Z,2µm,22.0s	120.09 180	PFAKE	LR	01 46 20.0	+13			
CPE	comp=Z,4µm,21.0s	120.82 76	PFAKE	LR	01 46 20.0	+12			
BAR	comp=Z,2µm,18.0s	120.92 76	PFAKE	LR	01 46 20.0	+12			
UNM	comp=Z,2µm,20.0s	120.97 100	PFAKE	LR	01 46 20.0	+11			
PAGB	comp=Z,2µm,19.0s	121.14 71	PFAKE	LR	01 46 20.0	+12			
PASC	comp=Z,1µm,18.0s	121.15 74	PFAKE	LR	01 46 20.0	+12			
OSI	comp=Z,3µm,21.0s	121.18 73	PFAKE	LR	01 46 20.0	+12			
PMPB	comp=Z,3µm,21.0s	121.19 70	PFAKE	LR	01 46 20.0	+12			
SAO	comp=Z,2µm,18.0s	121.23 69	PFAKE	LR	01 46 20.0	+12			
MWC	comp=Z,3µm,18.0s	121.26 74	PFAKE	LR	01 46 20.0	+11			
JRQG	comp=Z,3µm,21.0s	121.31 98	PFAKE	LR	01 46 20.0	+11			
SII	comp=Z,3µm,22.0s	121.36 35	PFAKE	LR	01 46 20.0	+12			
JTS	comp=Z,4µm,21.0s	121.40 119	PFAKE	LR	01 46 20.0	+11			
MCCM	comp=Z,2µm,21.0s	121.46 67	PFAKE	LR	01 46 20.0	+11			
HSIG	comp=Z,3µm,21.0s	121.50 83	PFAKE	LR	01 46 20.0	+11			
HDC	comp=Z,3µm,20.0s	121.58 120	PFAKE	LR	01 46 20.0	+10			
PTGA	comp=Z,4µm,18.0s	121.62 151	PFAKE	LR	01 46 20.0	+10			
ROSC	comp=Z,2µm,22.0s	121.65 133	PFAKE	LR	01 46 20.0	+10			
ZAIG	comp=Z,1µm,18.0s	121.68 95	PFAKE	LR	01 46 20.0	+10			
PFO	comp=Z,3µm,20.0s	121.72 75	PFAKE	LR	01 46 20.0	+10			
XPFO	comp=Z,3µm,18.0s	121.72 75	PFAKE	LR	01 46 20.0	+10			
HOPS	comp=Z,3µm,18.0s	121.97 67	PFAKE	LR	01 46 20.0	+10			
GDXM	comp=Z,4µm,20.0s	121.98 67	PFAKE	LR	01 46 20.0	+10			
SNET	comp=Z,4µm,20.0s	121.99 113	PFAKE	LR	01 46 20.0	+9.4			
ISA	comp=Z,2µm,20.0s	122.08 72	ePKP	PKP	01 46 10.6	+0.5			
ISA	comp=Z,2µm,19.0s	122.08 72	ePKIKP	PKP	01 46 10.6	+0.5			
OHAK	comp=Z,2µm,19.0s	122.19 35	PFAKE	LR	01 46 20.0	+11			
KCPM	comp=Z,5µm,21.0s	122.19 66	PFAKE	LR	01 46 20.0	+10			
GLA	comp=Z,5µm,21.0s	122.24 77	PFAKE	LR	01 46 20.0	+10			
KMRM	comp=Z,3µm,18.0s	122.51 65	PFAKE	LR	01 46 20.0	+9.2			
CCIG	comp=Z,4µm,20.0s	122.53 109	PFAKE	LR	01 46 20.0	+8.3			
GAMB	comp=Z,2µm,20.0s	122.61 22	PFAKE	LR	01 46 20.0	+10			
113A	comp=Z,2µm,20.0s	122.64 78	PFAKE	LR	01 46 20.0	+8.8			
CMB	comp=Z,2µm,21.0s	122.73 69	PFAKE	LR	01 46 20.0	+8.7			
GSC	comp=Z,3µm,18.0s	122.75 74	PFAKE	LR	01 46 20.0	+8.5			
JCC	comp=Z,3µm,21.0s	122.77 64	PFAKE	LR	01 46 20.0	+8.9			
CWC	comp=Z,3µm,18.0s	122.86 72	P	PKP	01 46 11.7	-0.1			
IRM	comp=Z,2µm,22.0s	122.86 76	P	PKP	01 46 11.9	+0.3			
LVIG	comp=Z,4µm,21.0s	122.86 102	PFAKE	LR	01 46 20.0	+8.0			
KDAK	comp=Z,2µm,18.0s	122.87 35	PFAKE	LR	01 46 20.0	+9.3			
Y12C	comp=Z,4µm,21.0s	122.92 77	PFAKE	LR	01 46 20.0	+8.3			
BCIP	comp=Z,3µm,19.0s	122.97 125	PFAKE	LR	01 46 20.0	+7.6			
KHMM	comp=Z,2µm,20.0s	122.97 65	PFAKE	LR	01 46 20.0	+8.2			
DAC	comp=Z,3µm,20.0s	123.02 73	PFAKE	LR	01 46 20.0	+7.9			
ESTN	comp=Z,3µm,18.0s	123.03 116	PFAKE	LR	01 46 20.0	+7.4			
HPIG	comp=Z,2µm,18.0s	123.03 89	PFAKE	LR	01 46 20.0	+7.6			

AFDM	comp=Z,1µm,18.0s	123.07 68	ePKP	PKP	01 46 13.2	+1.4			
BILL	comp=Z,2µm,18.0s	123.12 10	PFAKE	LR	01 46 20.0	+9.0			
MDPB	comp=Z,2µm,20.0s	123.17 70	PFAKE	LR	01 46 20.0	+7.6			
OMMB	comp=Z,3µm,18.0s	123.19 70	PFAKE	LR	01 46 20.0	+7.5			
ORV	comp=Z,2µm,20.0s	123.22 67	ePKP	PKP	01 46 13.0	+0.9			
BRVK	comp=Z,2µm,21.0s	123.24 316	ePKP	PKP	01 46 12.3	+0.7			
BRVK	comp=Z,2µm,21.0s	123.24 316	ePKIKP	PKP	01 46 12.3	+0.7			
ESPN	comp=Z,2µm,21.0s	123.34 119	PFAKE	LR	01 46 30.0	+17			
TGUH	comp=Z,3µm,18.0s	123.35 115	PFAKE	LR	01 46 30.0	+17			
WDC	comp=Z,900nm,21.0s	123.39 66	ePKP	PKP	01 46 12.5	+0.1			
WDC	comp=Z,4µm,20.0s	123.39 66	ePKIKP	PKP	01 46 12.5	+0.1			
LDFC	comp=Z,4µm,20.0s	123.55 75	PFAKE	LR	01 46 30.0	+17			
N02D	comp=Z,2µm,19.0s	123.58 65	P	PKP	01 46 13.3	+0.4			
RUBR	comp=Z,2µm,20.0s	123.59 68	PFAKE	LR	01 46 30.0	+17			
WAKR	comp=Z,2µm,20.0s	123.59 69	ePKP	PKP	01 46 15.3	+2.2			
KBO	comp=Z,2µm,18.0s	123.66 63	PFAKE	LR	01 46 30.0	+17			
M02C	comp=Z,4µm,21.0s	123.80 65	P	PKP	01 46 14.0	+0.7			
PNTR	comp=Z,2µm,18.0s	123.92 69	ePKP	PKP	01 46 15.1	+1.4			
TUC	comp=Z,2µm,18.0s	124.02 81	PFAKE	LR	01 46 30.0	+16			
VCNR	comp=Z,2µm,18.0s	124.04 69	ePKP	PKP	01 46 16.0	+2.0			
YERR	comp=Z,2µm,18.0s	124.04 69	ePKP	PKP	01 46 15.6	+1.6			
BEKR	comp=Z,2µm,18.0s	124.06 6							

18d 1h

Q24A	comp-Z,2j,2m,20.0s	LR	LR		
MOOV	Moose Ponds	131.96	70	PFAKE	LR
MOOV	comp-Z,2j,2m,21.0s			LR	LR
BW06	Boulder Array	131.98	72	PFAKE	LR
BW06	comp-Z,2j,2m,19.0s			P	PKPdf
BW06	Boulder Array	131.98	72	P	PKPdf
PD31	Pinedale Array	131.98	72	ePKPdf	PKPdf
PDAR	Pinedale Array	131.98	72	PKP	PKPdf
DLMT	Dillon	131.99	67	PFAKE	LR
DLMT	comp-Z,3j,2m,19.0s			LR	LR
MSO	Missoula	132.20	65	PFAKE	LR
MSO	comp-Z,2j,2m,18.0s			LR	LR
MSO	Missoula	132.20	65	P	PKPdf
ISCO	Idaho Springs	132.25	78	PFAKE	LR
ISCO	comp-Z,3j,2m,19.0s			LR	LR
YPP	Pitchstone Pla	132.26	70	PFAKE	LR
YPP	comp-Z,2j,2m,20.0s			LR	LR
YHB	Horse Butte	132.36	69	PFAKE	LR
YHB	comp-Z,2j,2m,20.0s			LR	LR
BR101	Keskin Array S	132.42	282	ePKPdf	PKPpre
BRTR	Keskin Array B	132.42	282	PKHKP	PKPpre
YMR	Madison River	132.43	69	PFAKE	LR
YMR	comp-Z,1j,1m,19.0s			LR	LR
YHH	Holmes Hill	132.57	69	PFAKE	LR
YHH	comp-Z,2j,2m,20.0s			LR	LR
RWWY	Rawlins	132.59	75	PFAKE	LR
RWWY	comp-Z,3j,2m,21.0s			LR	LR
JTMT	Jette	132.60	64	PFAKE	LR
JTMT	comp-Z,2j,2m,21.0s			LR	LR
541A	Lake Charles	132.66	97	PFAKE	LR
541A	comp-Z,2j,2m,21.0s			LR	LR
BOZ	Bozeman (W)	132.66	68	PFAKE	LR
BOZ	comp-Z,3j,2m,19.0s			LR	LR
WMOK	Wichita Mounta	132.75	88	ePKPdf	PKPdf
WMOK	comp-Z,3j,2m,20.0s			LR	LR
WMOK	Wichita Mounta	132.75	88	ePKIKP	PKPdf
WMOK	comp-Z,3j,2m,20.0s			MLR	MLR
N23A	Red Feather La	132.79	76	PFAKE	LR
N23A	comp-Z,2j,2m,19.0s			LR	LR
ISP	Isparta	132.94	278	PFAKE	LR
ISP	comp-Z,1j,1m,21.0s			LR	LR
ANTO	Ankara	133.00	282	PFAKE	LR
ANTO	comp-Z,1j,1m,21.0s			LR	LR
NATX	Nacogdoches	133.04	94	PFAKE	LR
NATX	comp-Z,2j,2m,22.0s			LR	LR
PHWY	Pilot Hill	133.32	76	PFAKE	LR
PHWY	comp-Z,2j,2m,18.0s			LR	LR
KARP	Karpathos	133.34	273	PFAKE	LR
KARP	comp-Z,2j,2m,21.0s			LR	LR
KSCO	Kaye Shedlock	133.44	81	PFAKE	LR
KSCO	comp-Z,2j,2m,20.0s			LR	LR
543A	St. Martinville	133.45	98	PFAKE	LR
543A	comp-Z,4j,2m,20.0s			LR	LR
ANN	Anapa	133.59	290	iPKIKP	PKPdf
ANN	comp-Z,103nm,1.7s			e	pmax
ANN	Anapa	133.59	290	e	pmax
K22A	Casper	133.60	74	PFAKE	LR
K22A	comp-Z,2j,2m,18.0s			LR	LR
U32A	Winter Ranch,	133.76	86	PFAKE	LR
U32A	comp-Z,2j,2m,20.0s			LR	LR
240A	Hunter Patters	133.77	94	PFAKE	LR
240A	comp-Z,2j,2m,20.0s			LR	LR
545A	Edgard	134.21	99	PFAKE	LR
545A	comp-Z,3j,2m,18.0s			LR	LR
140A	Cam and Jess,	134.31	94	PFAKE	LR
140A	comp-Z,2j,2m,21.0s			LR	LR
IDI	Anoyia	134.49	271	PKP	PKPdf
IDI	comp-Z,3.7nm,0.9s,baz=141,slow=6.5,SNR=2.8			ePKPdf	PKPdf
X37A	Clayton	134.65	91	ePKPdf	PKPdf
X37A	comp-Z,2j,2m,20.0s			LR	LR
BBGH	Gun Hill	134.88	146	PFAKE	LR
BBGH	comp-Z,3j,2m,21.0s			LR	LR
CBKS	Cedar Bluff	134.98	83	PFAKE	LR
CBKS	comp-Z,2j,2m,18.0s			LR	LR
OGNE	Ogallala	135.06	79	PFAKE	LR
OGNE	comp-Z,2j,2m,20.0s			LR	LR
EGMT	Eagleton	135.17	66	PFAKE	LR
EGMT	comp-Z,2j,2m,21.0s			LR	LR
Z41A	Richland Creek	135.21	94	PFAKE	LR
Z41A	comp-Z,2j,2m,19.0s			LR	LR
TUL1	Leonard	135.32	89	PFAKE	LR
TUL1	comp-Z,3j,2m,20.0s			LR	LR
SIM	Simferopol	135.52	288	ePKIKP	PKPdf
SIM	comp-Z,100nm,9.4s			e	pmax
SIM	Simferopol	135.52	288	e	pmax
SDDR	Presa de Saban	135.52	128	PFAKE	LR
SDDR	comp-Z,1j,1m,20.0s			LR	LR
SDD	Santo Domingo	135.69	130	PFAKE	LR
SDD	comp-Z,2j,2m,21.0s			LR	LR
FDL	Fort de France	135.82	144	PFAKE	LR
FDL	comp-Z,1j,1m,22.0s			LR	LR
TAM	Tamanrasset	135.91	241	ePKPdf	PKPdf
TAM	comp-Z,3j,2m,18.0s			LR	LR
RSSD	Black Hills	135.94	74	ePKPdf	PKPdf
RSSD	comp-Z,3j,2m,21.0s			LR	LR
X40A	Basin Creek Fa	136.06	93	PFAKE	LR
X40A	comp-Z,2j,2m,20.0s			LR	LR
LAO	LASA Array	136.29	70	PFAKE	LR
LAO	comp-Z,2j,2m,19.0s			LR	LR
INK	Inuvik	136.29	32	ePKPdf	PKPdf
INK	comp-Z,3j,2m,22.0s			LR	LR
061Z	Ochoppi	136.40	112	PFAKE	LR
061Z	comp-Z,1j,1m,20.0s			LR	LR
ICMP	Isla Caja de M	136.64	135	PFAKE	LR
ICMP	comp-Z,1j,1m,20.0s			LR	LR
MPR	Mayaguez	136.67	134	ePKPpre	PKPpre
MPR	comp-Z,1j,1m,20.0s			LR	LR
W41B	Gary Mavity, V	136.88	93	ePKPdf	PKPdf
W41B	comp-Z,3j,2m,21.0s			LR	LR

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WHAR	Wooly Hollow	136.94	92	PFAKE	LR
WHAR	comp-Z,2j,2m,19.0s			LR	LR
146A	Union	136.94	98	PFAKE	LR
146A	comp-Z,1j,1m,21.0s			LR	LR
V40A	Witts Springs	136.99	91	PFAKE	LR
V40A	comp-Z,2j,2m,21.0s			LR	LR
KSU1	Kansas State U	137.00	85	ePKPdf	PKPdf
KSU1	comp-Z,3j,2m,19.0s			LR	LR
SJG	San Juan	137.00	135	PFAKE	LR
SJG	comp-Z,1j,1m,21.0s			LR	LR
957A	Wimauma	137.09	109	PFAKE	LR
957A	comp-Z,2j,2m,21.0s			LR	LR
Z45A	Winona	137.10	97	PFAKE	LR
Z45A	comp-Z,2j,2m,18.0s			LR	LR
059A	Moore Haven	137.14	111	PFAKE	LR
059A	comp-Z,1j,1m,20.0s			LR	LR
HUMP	Col San Antoni	137.15	136	PFAKE	LR
HUMP	comp-Z,2j,2m,19.0s			LR	LR
X43A	Marvell	137.22	94	PFAKE	LR
X43A	comp-Z,2j,2m,20.0s			LR	LR
CBYP	Canovanas	137.26	135	PFAKE	LR
CBYP	comp-Z,2j,2m,20.0s			LR	LR
ITM	Ithomi	137.52	271	PFAKE	LR
ITM	comp-Z,1j,1m,21.0s			LR	LR
CUPR	Culebra, Puert	137.53	136	PFAKE	LR
CUPR	comp-Z,800nm,19.0s			LR	LR
BGNE	Belgrade	137.60	81	PFAKE	LR
BGNE	comp-Z,2j,2m,19.0s			LR	LR
060A	Indiantown	137.62	112	PFAKE	LR
060A	comp-Z,1j,1m,21.0s			LR	LR
SEUS	St. Eustatius	137.69	140	PFAKE	LR
SEUS	comp-Z,2j,2m,21.0s			LR	LR
STVI	Saint Thomas	137.70	137	PFAKE	LR
STVI	comp-Z,2j,2m,22.0s			LR	LR
SABA	Saba	137.71	139	PFAKE	LR
SABA	comp-Z,2j,2m,21.0s			LR	LR
DWPF	Disney Wildern	137.88	110	PFAKE	LR
DWPF	comp-Z,1j,1m,20.0s			LR	LR
S39A	Bolivar	137.98	89	PFAKE	LR
S39A	comp-Z,3j,2m,19.0s			LR	LR
250A	Grady	138.07	101	PFAKE	LR
250A	comp-Z,1j,1m,19.0s			LR	LR
HBAR	Harrisburg	138.08	94	PFAKE	LR
HBAR	comp-Z,2j,2m,21.0s			LR	LR
SMRT	St. Maarten	138.17	139	PFAKE	LR
SMRT	comp-Z,1j,1m,21.0s			LR	LR
ABVI	Anegada Island	138.29	137	PFAKE	LR
ABVI	comp-Z,1j,1m,19.0s			LR	LR
ANWB	Willy Bob	138.30	141	PFAKE	LR
ANWB	comp-Z,1j,1m,21.0s			LR	LR
TIRR	Tirgusor	138.43	284	PFAKE	LR
TIRR	comp-Z,1j,1m,22.0s			LR	LR
DGMT	Dagmar	138.45	69	PFAKE	LR
DGMT	comp-Z,3j,2m,21.0s			LR	LR
AGG	Agios Georgios	138.52	273	ePKPdf	PKPdf
AGG	comp-Z,2j,2m,22.0s			LR	LR
555A	McAlpin	138.57	106	PFAKE	LR
555A	comp-Z,1j,1m,20.0s			LR	LR
GNAR	Gosnell	138.74	94	PFAKE	LR
GNAR	comp-Z,2j,2m,19.0s			LR	LR
T42A	Van Buren	138.84	92	PFAKE	LR
T42A	comp-Z,2j,2m,20.0s			LR	LR
658A	Bunnell	138.99	109	PFAKE	LR
658A	comp-Z,1j,1m,18.0s			LR	LR
CFR	Carcaliu	139.02	284	iPKIKP	PKPdf
CFR	comp-Z,2j,2m,20.0s			PKPdf	PKPdf
HALT	Halls	139.10	94	PFAKE	LR
HALT	comp-Z,1j,1m,18.0s			LR	LR
LIT	Litokhoron	139.13	274	PFAKE	LR
LIT	comp-Z,1j,1m,20.0s			LR	LR
PLAL	Pickwick Lake	139.19	96	ePKPdf	PKPdf
Z50A	Ashland	139.20	100	ePKPpre	PKPdf
Z50A	comp-Z,1j,1m,20.0s			LR	LR
PVMO	Portageville	139.23	93	PFAKE	LR
PVMO	comp-Z,2j,2m,20.0s			LR	LR
PARMO	Parma	139.37	93	PFAKE	LR
PARMO	comp-Z,2j,2m,20.0s			LR	LR
X48A	Hartselle	139.41	98	ePKPpre	PKPpre
X48A	comp-Z,1j,1m,20.0s			LR	LR
CCM	Cathedral Cave	139.44	90	PFAKE	LR
CCM	comp-Z,3j,2m,21.0s			LR	LR
152A	Waverly Hall	139.47	102	ePKPdf	PKPdf
R41A	Rosebud	139.53	90	P	PKPpre
R41A	comp-Z,1j,1m,20.0s			LR	LR
KIS	Kishinev	139.71	287	ePKP	PKPdf
KIS	comp-Z,2j,2m,22.0s			MLR	MLR
KIS	Kishinev	139.71	287	ePKIKP	PKPdf
KIS	comp-Z,1j,1m,20.0s			MLR	MLR
MOS	Moscow	139.72	303	iPKIKP	PKPdf
MOS	comp-N,1j,1m,22.0s			MLR	MLR
MOS	Moscow	139.72	303	e	MLR
MOS	comp-E,1j,1m,22.0s			MLR	MLR
R42A	Luebbering	139.86	90	P	PKPpre
R42A	comp-Z,2j,2m,22.0s			LR	LR
X49A	Woodville	139.87	98	P	PKPpre
X49A	comp-Z,3j,2m,18.0s			LR	

R47A	Wooly Knot Far	142.37	94	P	PKPpre	01 46 43.4	
V52A	Sevierville	142.39	99	ePKPpre	PKPpre	01 46 45.7	
V52A	comp-Z,1um,20.0s				LR		
V52A	Sevierville	142.39	99	P	PKPpre	01 46 42.9	
WC1	Wyandotte Cave	142.46	94	ePKPpre	PKPpre	01 46 43.3	
WC1	Wyandotte Cave	142.46	94	ePKHKP	PKPpre	01 46 43.3	
WC1	Wyandotte Cave	142.46	94	P	PKPpre	01 46 43.3	
P45A	Graceland, Par	142.47	91	ePKPpre	PKPpre	01 46 46.1	
P45A	comp-Z,2um,22.0s				LR		
P45A	Graceland, Par	142.47	91	P	PKPpre	01 46 43.3	
L41A	Preston	142.47	86	P	PKPpre	01 46 44.2	
MDVR	Moldovita	142.47	280	i/P	PKPpre	01 46 44.5	
T50A	Nancy	142.49	97	P	PKPpre	01 46 43.1	
PDG	Podgorica	142.49	275	eP	PKPpdf	01 46 52.0 +3.9	
TTG	Podgorica	142.49	275	PFAKE	LR	01 47 00.0 +12	
TTG	comp-Z,1um,22.0s				LR		
J39A	Decorah	142.54	83	P	PKPpre	01 46 43.8	
J39A	comp-Z,3um,20.0s				LR		
J39A	Decorah	142.54	83	P	PKPpre	01 46 43.8	
JSC	Jenkinsville	142.62	104	ePKPpre	PKPpre	01 46 46.1	
JSC	Jenkinsville	142.62	104	ePKPpre	PKPpre	01 46 46.1	
PAULI	Pauline	142.69	102	ePKPpdf	PKPpdf	01 46 50.3 +1.6	
V53A	Saluda	142.72	100	ePKPpre	PKPpre	01 46 46.9	
V53A	Saluda	142.72	100	P	PKPpre	01 46 44.3	
S49A	Springfield	142.75	96	P	PKPpre	01 46 44.4	
R48A	Northridge Ran	142.82	94	P	PKPpre	01 46 44.6	
P46A	Rosedale	142.84	92	P	PKPpre	01 46 45.5	
Q47A	Bedord North L	142.85	93	P	PKPpre	01 46 45.3	
MATE	Matra	142.87	270	i/P	PKPpdf	01 46 48.2 -0.6	
FFC	Flin Flon	142.87	62	PFAKE	LR	01 47 00.0 +12	
FFC	comp-Z,2um,18.0s				LR		
CLTB	Catlabellotta	142.89	264	PFAKE	LR	01 47 00.0 +11	
CLTB	comp-Z,3um,18.0s				LR		
TZTN	Tazewell	142.91	99	ePKPpdf	PKPpdf	01 46 47.6 -1.4	
TZTN	comp-Z,1um,21.0s				LR		
TZTN	Tazewell	142.91	99	P	PKPpre	01 46 45.7	
U52A	Thorn Hill	142.91	99	P	PKPpre	01 46 45.6	
K41A	Shullsburg	142.91	85	P	PKPpre	01 46 45.8	
L42A	Oliver, Polo	142.91	87	ePKPpdf	PKPpdf	01 46 49.7 +0.8	
L42A	comp-Z,3um,21.0s				LR		
I39A	Houston	142.95	83	ePKPpre	PKPpre	01 46 46.1	
I39A	comp-Z,3um,20.0s				LR		
I39A	Houston	142.95	83	P	PKPpre	01 46 46.1	
T51A	Gray	142.97	98	P	PKPpre	01 46 45.7	
CUC	Castrocuoco	142.97	269	PFAKE	LR	01 47 00.0 +11	
CUC	comp-Z,1um,20.0s				LR		
M43A	Waltham Townsh	142.97	88	P	PKPpre	01 46 45.8	
AGMN	Agassiz Nation	142.98	74	ePKPpre	PKPpre	01 46 45.5	
AGMN	comp-Z,3um,20.0s				LR		
AGMN	Agassiz Nation	142.98	74	P	PKPpre	01 46 45.1	
H38A	Maiden Rock	143.00	81	P		01 46 46.2	
BZS	Buzias	143.01	281	i/P	PKPpdf	01 46 48.2 -0.7	
BZS	Buzias	143.01	281	i/P	PKPpdf	01 46 48.2 -0.7	
SPMN	Marine on St.	143.01	80	ePKPpre	PKPpre	01 46 46.1 +0.3	
SPMN	comp-Z,2um,19.0s				LR		
SPMN	Marine on St.	143.01	80	P	PKPpre	01 46 46.1 +0.3	
DRGR	DRGR	143.04	283	i/P	PKPpdf	01 46 47.5 -1.5	
DRGR	DRGR	143.04	283	i/P	PKPpdf	01 46 47.5 -1.5	
DIVS	Divibare	143.07	277	ePKPpre	PKPpre	01 46 45.3	
DIVS	comp-Z,900nm,19.0s				LR		
DIVS	Divibare	143.07	277	eP	PKPpdf	01 46 48.8 -0.4	
JFWS	Jewell Farm	143.13	85	ePKPpdf	PKPpdf	01 46 48.1 -1.1	
JFWS	comp-Z,3um,19.0s				LR		
JFWS	Jewell Farm	143.13	85	ePKIKP	MLR	01 46 48.1 -1.1	
JFWS	Jewell Farm	143.13	85	P	PKPpre	01 46 46.4 +0.2	
J40A	Soldiers Grove	143.13	84	P	PKPpre	01 46 46.4 +0.2	
R49A	Shelbyville	143.15	95	P	PKPpre	01 46 46.6 +0.2	
S50A	Richmond	143.19	97	P	PKPpre	01 46 46.1 -0.4	
KM5C	Kings Mountain	143.20	102	ePKPpre	PKPpre	01 46 46.9 +1.7	
KM5C	Kings Mountain	143.20	102	P	PKPpre	01 46 46.5 -0.1	
Q48A	North Vernon	143.25	94	P	PKPpre	01 46 46.2 -0.4	
BBL5	Lazići	143.27	277	eP	PKPpdf	01 46 44.8 -0.6	
U53A	Fall Branch	143.34	100	P	PKPpre	01 46 46.3 +0.4	
SFIN	Lafayette	143.40	91	PFAKE	LR	01 47 00.0 +10	
SFIN	comp-Z,2um,20.0s				LR		
F37A	Hinrichs Farm,	143.40	80	P	PKPpre	01 46 46.0 +0.3	
M44A	Midwin, Midew	143.48	89	PFAKE	LR	01 47 00.0 +10	
M44A	comp-Z,2um,20.0s				LR		
I40A	Norwalk	143.50	83	P	PKPpre	01 46 45.9 -0.4	
G38A	Ridgeland	143.53	81	P	PKPpre	01 46 46.3 0.0	
J41A	Loganville	143.54	85	P	PKPpre	01 46 46.2 -0.2	
L43A	Garden Prairie	143.56	87	P	PKPpre	01 46 47.0 -0.4	
K42A	Prairie Point,	143.58	86	P	PKPpre	01 46 46.8 +0.3	
H39A	Augusta	143.58	82	P	PKPpre	01 46 47.1 -0.3	
T52A	Hallie	143.62	99	P	PKPpre	01 46 47.2 +0.3	
S51A	Beattyville	143.63	97	ePKPpre	PKPpre	01 46 47.6 +0.7	
S51A	Beattyville	143.63	97	P	PKPpre	01 46 47.4 -0.4	
R50A	Paris	143.64	96	P	PKPpre	01 46 47.5 -0.2	
HAPS	Han Pijesak,BI	143.66	277	eP	PKPpdf	01 46 45.1 -1.9	
P48A	Milroy	143.78	93	P	PKPpre	01 46 48.0 -0.1	
FRGS	Fruska Gora	143.79	279	eP	PKPpdf	01 46 46.1 -1.2	
Q49A	Aurora	143.79	94	P	PKPpre	01 46 48.0 -0.1	
LTVH	L'tav'rtes,	143.83	283	i/P	PKPpdf	01 46 48.3 +0.3	
O47A	Sheridan	143.84	92	P	PKPpre	01 46 48.4 +0.1	
KEST	Kesra	143.85	258	PKP	PKPpre	01 46 47.6 -0.2	
KEST	comp-Z,12nm,0.8s,baz=23,slow=0.9,SNR=12				LR		
KEST	Kesra	143.85	258	ePKPpre	PKPpre	01 46 48.5 +0.6	
KEST	comp-Z,5um,20.0s				LR		
TRPA	Tarpa	143.87	285	i/P	PKPpre	01 46 48.8 +0.7	
TRPA	Tarpa	143.87	285	ePKPpdf	PKPpdf	01 46 48.3 -3.9	
N46A	Monticello	143.94	90	P	PKPpre	01 46 43.5 0.0	
M45A	Boilermakers S	143.94	89	P	PKPpre	01 46 48.8 +0.2	
F38A	Pierce - Schro	143.97	80	P	PKPpre	01 46 48.7 +0.2	
ULM	Lac du Bonnet	143.99	71	PKHKP	PKPpre	01 46 46.9	
ULM	comp-Z,15nm,0.8s,baz=24,slow=4.6,SNR=12				LR		
ULM	Lac du Bonnet	143.99	71	PFAKE	LR	01 47 00.0 +10	

ULM	comp-Z,3um,20.0s				LR		
G39A	Holcombe	143.99	81	P	PKPpre	01 46 48.9 +0.3	
J42A	Columbus	144.03	85	P	PKPpre	01 46 48.5 +0.2	
I41A	Arkdale	144.04	84	ePKPpdf	PKPpdf	01 46 49.3 +0.5	
I41A	Arkdale	144.04	84	P	PKPpre	01 46 48.5 +0.2	
H40A	Chili	144.06	83	P	PKPpre	01 46 48.2 -0.1	
MICGM	Minsk	144.07	297	e	PKPpdf	01 46 57.0 +6.6	
MNK	Minsk	144.07	297	ePKIKP	PKPpdf	01 46 57.0 +6.6	
R51A	Hillsboro	144.09	97	P	PKPpre	01 46 49.0 -0.1	
K43A	Burlington	144.12	87	ePKPpdf	PKPpdf	01 46 53.5 +2.5	
K43A	comp-Z,3um,21.0s				LR		
K43A	Burlington	144.12	87	P	PKPpre	01 46 49.2 +0.2	
Q50A	Georgetown	144.22	95	P	PKPpre	01 46 49.5 0.0	
P49A	Miami Univ. Ec	144.24	94	P	PKPpre	01 46 49.2 +0.1	
UZH	Uzhgorod	144.28	285	ePKHKP	PKPpre	01 46 47.6	
O48A	Farmland	144.45	93	P	PKPpre	01 46 49.0 -0.9	
J43A	Natural Harves	144.48	86	P	PKPpre	01 46 49.2 -0.8	
M46A	Old House Fiel	144.48	90	ePKPpdf	PKPpdf	01 46 51.0 -0.6	
M46A	Old House Fiel	144.48	90	P	PKPpre	01 46 49.3 -0.7	
H41A	Junction City	144.49	83	ePKPpdf	PKPpdf	01 46 50.7 +0.6	
H41A	comp-Z,3um,20.0s				LR		
H41A	Junction City	144.49	83	P	PKPpre	01 46 49.2 -0.7	
F39A	Loretta	144.50	80	P	PKPpre	01 46 49.5 -0.4	
I42A	Drager Farm,	144.50	85	ePKPpdf	PKPpdf	01 46 49.6 -0.4	
I42A	comp-Z,3um,19.0s				LR		
I42A	Drager Farm,	144.50	85	P	PKPpre	01 46 49.2 -0.8	
E38A	The Farm, Brul	144.51	79	ePKPpdf	PKPpdf	01 46 52.3 +0.8	
E38A	comp-Z,3um,20.0s				LR		
E38A	The Farm, Brul	144.51	79	P	PKPpre	01 46 48.9 -1.0	
N47A	Urbana	144.54	91	P	PKPpre	01 46 49.2 -1.0	
DOB	Doboj	144.54	277	eP	PKPpdf	01 46 46.5 -3.6	
G40A	Rib Lake	144.54	82	ePKPpdf	PKPpdf	01 46 49.9 -0.3	
G40A	comp-Z,3um,18.0s				LR		
G40A	Rib Lake	144.54	82	P	PKPpre	01 46 49.5 -0.6	
KWP	Kalwaria Pacla	144.56	287	ePKP	PKPpre	01 46 50.1 -0.1	
KWP	Kalwaria Pacla	144.56	287	PFAKE	LR	01 47 00.0 +8.5	
KWP	comp-Z,12um,19.0s				LR		
KWP	Kalwaria Pacla	144.56	287	ePKIKP	PKPpre	01 46 50.1 -0.1	
R52A	Catlettsburg	144.66	97	P	PKPpre	01 46 49.5 -1.2	
Q51A	Peebles	144.71	96	ePKPpdf	PKPpdf	01 46 50.5 -0.4	
Q51A	comp-Z,2um,19.0s				LR		
Q51A	Peebles	144.71	96	P	PKPpre	01 46 50.5 -0.4	
NACGM	Naroch	144.82	297	e	PKPpdf	01 46 46.0 -4.8	
NACGM	comp-Z,2um,18.0s				LR		
NACGM	Naroch	144.82	297	eLR	LR	02 52 14.0	
P50A	Jamestown	144.83	95	P	PKPpre	01 46 50.5 -0.8	
M47A	Cromwell	144.88	91	P	PKPpre	01 46 50.9 -0.6	
O49A	Covington	144.89	93	ePKPpre	PKPpre	01 46 51.1 -0.4	
O49A	Covington	144.89	93	P	PKPpre	01 46 51.1 -0.4	
L46A	Cue Claire	144.89	89	P	PKPpre	01 46 50.7 -0.7	
N48A	Decatur	144.91	92	P	PKPpre	01 46 50.8 -0.8	
I43A	Lanfield Bro	144.94	85	P	PKPpre	01 46 50.9 -0.7	
F40A	Park Falls	144.96	81	P	PKPpre	01 46 50.7 -0.9	
E39A	Mellen	144.96	80	P	PKPpre	01 46 50.4 -1.3	
IDID	Didziasalis	145.02	298	eP	PKPpdf	01 46 51.9 -0.1	
IDID	comp-Z,26nm,1.4s				IAMB	01 46 52.6	
MORH	M'ri'ry, Hung	145.06	279	ePKPpre	PKPpre	01 46 51.8 -0.1	
MORH	M'ri'ry, Hung	145.06	279	ePKPpre	PKPpre	01 46 50.3 -1.6	
H42A	Shiocton	145.08	84	PFAKE	LR	01 47 00.0 +7.5	
H42A	comp-Z,2um,18.0s				LR		
H42A	Shiocton	145.08	84	P	PKPpre	01 46 51.4 -0.7	
BLY	Banja Luka	145.08	276	PFAKE	LR	01 47 00.0 +7.5	
BLY	comp-Z,1um,20.0s				LR		
BLY	Banja Luka	145.08	276	i/P	PKPpre	01 46 50.8 -1.2	
G41A	Antigo	145.10	83	P	PKPpre	01 46 50.1 -1.9	
P51A	Williamsport	145.18					

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like VRAC Vranov, MYKA Terra Mystica, FCC Fort Churchill, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like CLL Colim, BRNJ Basking Ridge, BNY Binghamton, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like IKAZ Kazeroun, SHI Shiraz, KLNJ Kolanjah, etc.

IDC 18 01:35:37.2.2.7.5431S:145.13E, h0km, mb3.8/4, mb1 4.0/4, mb1mx3.8/31, mbtmp3.8/4, Error ellipse: s-min=148.1km s-max=45.7km az=83.0, West of Macquarie Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like STKA Stephens Creek, H01W1 Cape Leeuwin H, ASAR Alice Springs, etc.

mb3.9/10, MS4.0/1, Error ellipse: s-maj=6.4km s-min=4.2km az=40.1, TEH 18 01:35:47.2.29.66N:51.50E, h19km, ML3.6, THR 18 01:35:47.0.0.3.29.79N:51.60E, h14km, 5km, ML3.6, ISC 18 01:35:47.8.0.7.29.64N:0.06:51.45E:0.06, h20km, n57, @152/54, mb4.0/1, Southern Iran

IDC 18 01:35:43.4.1.6.29.40N:51.49E, h0km, mb3.8/7, mb1 3.8/9, mb1mx3.6/56, mbtmp3.7/9, ML3.2, MS4.0/1, Ms1 4.0/1, ms1mx2.6/49, Error ellipse: s-maj=34.9km s-min=24.2km az=162.0, ISCJB 18 01:35:46.1.0.4.29.54N:0.04:51.41E:0.04, h20km,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like KHGB Koh Gabri, SHGR Shooshtar-Gavs, SHGR Shooshtar-Gavs, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like TRQA, OTAVO, LPAZ, PLCA, etc.

DRS 18 02:37:38.5:0.0, 41.44N, 48.50E, h14km
MOS 18 02:37:36.4:0.0, 41.42N, 48.47E, h11km, 7km, MPVA3.5, Eastern Caucasus

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like KSMR, AKT, DRN, URKR, KMKR, GNBFR, BTLR, etc.

BEO 18 02:51:56.6:0.7, 39.88N, 15.80E, h0km, ML3.5/11
IASPEI 18 02:51:57.8:0.9, 39.90N, 15.02E, 0.03, h9km, 6km, mb3.8/6, Error ellipse: s-maj=3.7km s-min=2.9km az=73.6, G15 selection from ISC bulletin G15 identified by Bond'ir and McLaughlin (2009) selection criteria Bond'ir and McLaughlin. A new ground truth data set for seismic studies, <I>Seism. Res. Let.</I>, 80, 465-472, 2009

ISCJCB 18 02:51:57.6:0.2, 39.91N, 0.01E, 15.98E, 0.02, h8km, 1km, mb3.8/6, Error ellipse: s-maj=2.6km s-min=2.0km az=162.0

ROM 18 02:51:57.2:0.1, 39.888N, 0.005E, 16.026E, 0.008, h9km, ML3.5/60

PDG 18 02:51:58.1:0.9, 39.87N, 16.01E, h6km, 1km, ML3.5/12, Error ellipse: s-maj=1.2km az=0.0

IDC 18 02:51:59.2:0.9, 39.99N, 16.06E, h0km, mb3.7/8, mb1.3/8/16, mb1mx3.6/52, mbtmp3.7/16, ML3.6/6, Error ellipse: s-maj=15.4km s-min=11.7km az=126.0

TIR 18 02:52:03.5, 40.15N, 16.69E, h8km, Md3.5/6

ISC 18 02:51:58.1:0.8, 39.90N, 0.02E, 16.03E, 0.02, h5km, 5km, n215, r1968/253, mb3.8/6, 17C-10D, Southern Italy

Main table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like MMN, Viggianello, CUC, Acquaforsosa, San Lorenzo Be, S. Chirico Rap, etc.

Main table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like SCHR, SIRI, ORI, CET2, MGR, MCCEL, BULG, CRAC, etc.

Main table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like CRAC, SLCN, PTPR, CELI, CAR1, PZUN, MIGL, CDRU, ACER, MATE, TIP, LTRZ, etc.

18d 4h

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like PPBI Pangkal Pinang, MEEK Meekatharra, KASI Kota Agung, etc.

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Table with columns for station code, name, frequency, power, and other technical details. Includes stations like CD2 Chengdu, CD2 Chendu, CD2 Chendu, etc.

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Table with columns for station code, name, frequency, power, and other technical details. Includes stations like MAKZ Makanchi, MAKZ Makanchi, BOD Bodaibo, etc.

18d 6h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ULM, CCM, HLID, W39A, etc.

SJA 18 05:23:12.4±0.5, 34°85'Sx71°98'W, h151km, 61km, ML4.3, MW4.2
ISCJB 18 05:23:14.1±0.5, 34°78'Sx0°03'71.99'W, h08, h58km, 4km, mb4.0/10, MS3.4/1, Error ellipse: s-maj=11.1km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like G005, G006, G005, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ROC1, ROC2, ROC3, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PLCA, PLCA, G003, etc.

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

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

ISC 18 05:24:10.2±0.25, 0.22°74'S, 178°49'W, h520km, 227km, mb3.2/6, mb1.3/3.6, mb1mx3.0/4.2, mbtmp4.1/6, Error ellipse: s-maj=269.8km s-min=36.0km az=43.0, Aru Islands region

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

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

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

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

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

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Table with columns: URLA, Izmir, URLA, Izmir, URLA, Izmir, etc.

ISCJB 18 06:08:30.6±0.6, 10°25'N, 0°03'125.92'E, h07, h79km, 6km, mb3.9/11, Error ellipse: s-maj=10.2km s-min=4.6km az=177.5

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

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

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

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

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

NP1=79.00000°, δ66.00000°, λ-67.00000°. NP2: φ=212.00000°, δ33.00000°, λ-132.00000°. Principal axes: T 2.6420, P1g18.00000°, Azm152.00000°; N 0.9940, P1g21.00000°, Azm249.00000°; P -3.6370, P1g62.00000°, Azm25.00000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 18 08:38:34.4-0.4, 39.23N, 0.06-29.69W, 0.05, h10km, m213, φ151/202, mb4.5/122, Ms3.9/37.6C, Azores Islands

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Time, Res, ISC. Lists seismic stations and their characteristics.

Table with columns: ARCES, Station Name, Δ°, AZZ, Phase ID, Time, Res, ISC. Lists seismic stations and their characteristics.

Table with columns: X18A, Station Name, Δ°, AZZ, Phase ID, Time, Res, ISC. Lists seismic stations and their characteristics.

PDA 18 08:47:00.5-1.0, 39.29N, 29.92W, h10km, MD3.6, ML3.0, Error ellipse: s-maj=16.6km s-min=3.3km az=25.0, Azores Islands

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Time, Res, ISC. Lists seismic stations and their characteristics.

18d 11h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like MOGNA, Cerro Villucun, PUNTA DE LOS L, Cerro Valdivia, etc.

IDC 18 11:05:17.8.2.3, 4.00S: 101.90E, h0km, mb3.9/9, mb1 4.0/9, mb1mx3.8/8.9, mbtmp3.9/9, MS3.5/1, Ms1 3.5/1, ms1mx2.6/3.3, Error ellipse: s-maj=90.5km s-min=15.9km az=58.0

ISCJB 18 11:05:22.6.0.5, 4.13S: 0.05E: 101.83E: 0.05, h58km, mb4.1/1.3, MS3.6/1.3, Error ellipse: s-maj=8.7km s-min=4.4km az=135.8

DJA 18 11:05:22.8.0.4, 4.3S: 3.10E: 101.2E, h10km, M4.2/1.3, ML4.2/1.3

NEIC 18 11:05:23.8.0.9, 4.06S: 101.89E, h50km, mb4.3/5, Error ellipse: s-maj=16.8km s-min=4.2km az=52.0

ISC 18 11:05:23.9.0.8, 4.12S: 0.07E: 101.84E: 0.06, h58km, n49, s=184.52, mb4.1/1.3, Southern Sumatara

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like MASI Maura Aman, Be, MNAI Manna, etc.

NIED 18 11:06:00, 39.20N: 142.50E, h32km, Mw3.5 Best double couple: M1: 880000, 1014 N1: 30400000, 829.000000, 1.0.95.000000, N2: 20800000, 862.000000, 1.0.95.000000

JMA 18 11:06:22.8.0.1, 39.23N: 142.44E, h32km, 1km, M3.8, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like MIYJ Miyakonagasawa, OFUJ Ofunato, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes Matsushiro station.

IDC 18 11:11:11.0.1.1, 4.54S: 143.35E, h0km, mb3.7/5, mb1 3.9/5, mb1mx3.8/3.1, mbtmp3.8/5, MS3.6/8, Ms1 3.6/8, ms1mx3.4/2.5, Error ellipse: s-maj=187.9km s-min=19.1km az=81.0, West of Macquarie Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like RPZ Rata Peaks, STKA Stephens Creek, VYDA Vanda, etc.

PDA 18 11:11:45.6.1.2, 39.44N: 29.88W, h10km, MD3.6, ML3.4, Error ellipse: s-maj=11.4km s-min=3.8km az=22.0, Azores Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like FLORES T-PHASE, CEDROS, CALA Caldeira, etc.

NEIC 18 11:23:42.0.0.5, 2.15S: 66.69W, h206km, 4km, mb4.3/2.8, Error ellipse: s-maj=9.5km s-min=6.0km az=81.0

ISCJB 18 11:23:42.9.0.2, 2.15S: 66.94W, h223km, 2km, mb4.0/3.1, Error ellipse: s-maj=4.3km s-min=3.9km az=171.3

SJA 18 11:23:43.9.1.0, 2.14S: 66.91W, h215km, 8km, ML4.1, MW4.0

GUC 18 11:23:44.0.0.6, 2.14S: 67.53W, h265km, 19km, ML4.4, SCB 18 11:23:44.0.1.9, 2.15S: 66.94W, h196km, 14km, ML3.8/4, Error ellipse: s-maj=4.1km az=81.0

IDC 18 11:23:46.2.1.5, 2.12S: 66.73W, h335km, 14km, mb3.4/7, mb1 3.6/1.1, mb1mx3.5/3.0, mbtmp4.0/1.1, Error ellipse: s-maj=19.5km s-min=12.7km az=68.0

ISC 18 11:23:43.1.0.7, 2.15S: 66.92W: 0.03, h220km, 6km, n96, s=130/122, mb4.2/3.1, 7C, Southern Bolivia

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like MOCB Mochara, YJA Yavi, etc.

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Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like IPOC Station P, IPOC Station P, etc.

MDD 18 11:24:24.3.1.4, 3.71N: 12.91W, h25km, mb4.6/2.9, Error ellipse: s-maj=12.8km s-min=10.9km az=67.0, PRXIMO

IGL 18 11:24:25.1, 37.26N: 12.68W, h2km, ML3.1, INMG 18 11:24:26.1, 2.0, 37.11N: 13.07W, h10km, ML3.1, Error ellipse: s-maj=6.6km s-min=5.0km az=84.0

CNRM 18 11:24:28.4, 36.86N: 12.35W, h30km, ISC 18 11:24:23.0.3, 37.29N: 12.7W: 0.2, h10km, n79, s=187/145, 3C-ID, Azores-Cape St Vincent Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like PVFI Vila Bisbo, etc.

Table with columns: Code, Station Name, Az, El, SNR, P, S, Sn, Time, Res, h, m, s, ISC. Includes stations like PMAFR, PTEO Sao Teotonio, MORF Marnelete, etc.

Table with columns: Code, Station Name, Az, El, SNR, P, S, Sn, Time, Res, h, m, s, ISC. Includes stations like EMAZ Mazaricos, EMAZ Braganca, PBRG Braganca, etc.

ISCJB 18 11:26:41.2, 20.745±0.04; 178.36W±0.05, h550km, mb4.3/85, Error ellipse: s-maj=6.7km s-min=4.3km az=91.9

NEIC 18 11:26:41.5, 20.7, 20.675±178.33W, h543km, 8km, mb4.5/57, Error ellipse: s-maj=7.4km s-min=5.0km az=135.0

IDC 18 11:26:44.1, 1.5, 20.735±178.43W, h566km, 18km, mb3.7/15, mb1.3/9.16, mb1mx3.7/22, mb1mp4.6/16, Error ellipse: s-maj=14.6km s-min=10.3km az=151.0

ISC 18 11:26:42.2, 0.4, 20.705±0.06; 178.27W±0.07, h550km, n179, e128/194, mb4.5/85, 20-CD3, Fiji Islands region

Table with columns: Code, Station Name, Az, El, SNR, P, S, Sn, Time, Res, h, m, s, ISC. Includes stations like RAO Raoul Island, RAO Pitcairn Island, AFI Afiamalu, etc.

Table with columns: Code, Station Name, Az, El, SNR, P, S, Sn, Time, Res, h, m, s, ISC. Includes stations like WB2 Warramunga Arr, WRAB Tennant Creek, WRA Warramunga Arr, etc.

Table with columns: TDK, 19nm, 0.4s, Taldyqorghan, 2.74 279 eP, Pb, 12 56 31.8 +0.2

IDC 18 13:12:53.8.2.8.8.17S:117.32E,h0km,mb3.6/3, mb1 3.9/4, mb1mx3.5/9, mbtmp3.7/4, ML3.0/1, Error ellipse: s-maj=24.4km s-min=24.4km az=52.0, h12km, M3.9

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

PDA 18 13:43:13.8.1.1.38.55N-28.58W,h13km,4km,MD3.5, ML3.0.3C-2D, Error ellipse: s-maj=5.2km s-min=2.9km az=43.0, Azores Islands

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

ISCJB 18 13:55:05.8.0.6.37.91N.0.03:27.34E.0.05,h7km,7km, Error ellipse: s-maj=8.1km s-min=3.8km az=142.4

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

PDA 18 14:00:53.6.0.6.39.38N-29.93W,h15km,MD3.6,ML2.9, Error ellipse: s-maj=8.3km s-min=1.4km az=24.0, Azores Islands

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

47nm,0.5s MAN 18 14:01:51.4, 4.95N:125.66E, h134km, mb5.0, ML3.9, MS3.9

ISCJB 18 14:01:52.0.4.4.76N.0.03:125.53E.0.05,h100km, mb4.0/18, Error ellipse: s-maj=7.5km s-min=3.8km az=0.6

IDC 18 14:01:53.0.1.4.7.2N:126.00E, h80km, 13km, mb3.8/15, mb1 4.0/17, mb1mx3.8/44, mbtmp4.2/17, MS3.4/1, Ms1 3.4/1, ms1mx2.8/30, Error ellipse: s-maj=20.6km s-min=9.6km az=78.0

NEIC 18 14:01:53.9.1.2.4.71N:126.00E, h90km, 12km, mb4.0/1, Error ellipse: s-maj=16.4km s-min=7.8km az=81.0

DJA 18 14:01:53.8.1.4.4.16N:12.6E, h142km, 72km, M4.2/6, mb4.3/5, mb4.6/4, MLV4.3/6, Mw(MB)3.7/4

ISC 18 14:01:53.9.0.6.4.74N.0.03:125.70E.0.07,h100km,n42, c273/41, mb4.0/18, 2C-1D, Talaud Islands

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

ISCJB 18 14:09:24.1, 37.31N:37.12E, h12km, ML2.0/4

ISCJB 18 14:09:25.0.8.37.28N.0.06:37.11E.0.05,h9km,7km, Error ellipse: s-maj=10.3km s-min=5.6km az=16.1

DJA 18 14:09:25.0, 37.42N:37.22E, h7km, ML2.8

ISC 18 14:09:24.5.1.0.37.30N.0.05:37.13E.0.03,h13km,8km, n1, c06/15, Turkey

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

IDC 18 14:34:25.7.2.2.6.96S:129.19E, h0km, mb3.6/1, mb1 3.5/3, mb1mx3.3/30, mbtmp3.3/3, ML3.3/2, Error ellipse: s-maj=124.6km s-min=32.5km az=67.0, Banda Sea

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

ISC 18 14:34:49.2, 38.21N:38.28E, h2km, ML2.1/6

DDA 18 14:34:50.5, 38.17N:38.18E, h7km, ML3.0

ISC 18 14:34:49.1, 3.38E:20N.0.03:38.22E.0.03,h4km,12km, n13, c156/20, Turkey

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

Table with columns: URFA, 0.89 148 PG, Pg, 14 35 07.1 +0.0

BjI 18 14:37:36.8, 33.08N-99.77E, h9km, ML3.5/14, Qinghai

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

ISC 18 14:48:53.8, 40.28N-40.22E, h15km, ML2.1/5

ISCJB 18 14:48:54.7, 40.31N.0.04:40.23E.0.05, h15km, 5km, Error ellipse: s-maj=7.9km s-min=6.4km az=15.8

DDA 18 14:48:54.4, 40.32N:40.22E, h2km, ML2.5

ISC 18 14:48:52.9, 40.24N.0.05:40.27E.0.04, h14km, 6km, n10, c044/15, Turkey

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

ISCJB 18 14:49:58.9, 0.5, 37.25N.0.03:28.23E.0.03, h0km, Error ellipse: s-maj=4.5km s-min=3.1km az=37.3

ISC 18 14:49:58.2, 37.24N-28.20E, h7km, ML2.1/8

DDA 18 14:49:59.0, 37.24N-28.20E, h2km, ML2.5, Suspected Mining explosion

ISC 18 14:49:58.5, 0.9, 37.25N.0.03:28.24E.0.03, h0km, n17, c06/24, Turkey

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

IDC 18 14:54:03.2.1.9.1.88N-127.21E, h0km, mb3.5/3, mb1 3.8/4, mb1mx3.4/30, mbtmp3.4/30, ML3.5/1, Error ellipse: s-maj=112.1km s-min=23.2km az=69.0, Halmahera

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

SOME 18 15:00:44.4, 40.28N-78.00E, h5km

KRNET 18 15:00:45.1, 40.06N:77.61E, mb3.1

ISC 18 15:00:44.8, 2.0, 40.00N.0.09:77.92E.0.06, h23km, n30, c263/60, 25C-4D, Southern Xinjiang

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

Table with columns: MDOK, Medeo, 3.23 349 eP, Pb, 15 01 39.1 -2.4, 15 02 18.4 -2.0, 15 01 38.4 +3.9, 15 02 17.2 -3.9, 15 01 38.6 +3.5, 15 02 17.4 +3.9, 15 01 36.9 +1.7, 15 02 15.3 +1.5, 15 01 40.4 -2.6, 15 02 20.6 -2.4, 15 01 41.9 -2.1, 15 02 23.4 -1.4, 15 01 38.4 +1.9, 15 02 17.5 +1.3, 15 01 39.6 +3.0, 15 02 19.1 +2.7, 15 01 39.1 +2.2, 15 02 18.4 +1.6, 15 01 40.0 +2.4, 15 02 20.4 +2.3, 15 01 43.2 -2.7, 15 02 25.5 -2.4, 15 01 43.1 -3.2, 15 02 25.4 -3.1, 15 01 46.1 -2.0, 15 02 30.7 -0.9, 15 01 43.0 +2.5, 15 02 25.3 +1.9, 15 01 44.7 +1.9, 15 02 28.7 +1.3, 15 01 50.9 -2.2, 15 02 39.1 -0.9, 15 01 46.7 +2.1, 15 02 31.2 +0.6, 15 01 52.8 -2.8, 15 02 42.1 -2.3, 15 01 48.5 +2.4, 15 02 34.8 +1.3, 15 01 49.7 +2.9, 15 02 36.3 +1.7, 15 02 01.3 -2.6, 15 02 56.5 -1.7

ISC 18 15:18:03.7±0.3, 17.89S±166.86E, h0km, mb3.7/2, mb1 3.8/3, mb1mx3.5/2.1, mbtmp3.8/3, ML3.7/1, Error ellipse: s-maj=65.0km s-min=39.9km az=77.0, Vanuatu Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC, 15 19 08.4 -0.3, 15 19 57.6 -0.8, 15 23 46.6 +1.6, 15 24 24.8 -1.0, 15 38 10.1 -0.7

ISK 18 15:18:49.7, 38.74N, 43.25E, h5km, ML2.0/4, DDA 18 15:18:50.4, 38.74N, 43.25E, h7km, ML2.6, ISC 18 15:18:50.2, 1.1, 38.75N, 0.04, 43.23E, 0.05, h15km, 11km, n8, 02/27, Turkey

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC, 15 18 55.3 +0.4, 15 18 59.5 +0.1, 15 18 57.9 +0.3, 15 19 04.0 +0.1, 15 18 59.0 -0.0, 15 19 03.1 -0.1, 15 19 04.3 -0.1, 15 19 06.5 -0.1, 15 19 08.8 +0.2

ISC 18 15:25:55.5±0.3, 20.48S±179.98W, h0km, mb3.6/4, mb1 4.0/4, mb1mx3.7/2.0, mbtmp3.6/4, Error ellipse: s-maj=177.4km s-min=28.0km az=152.0, Fiji Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC, 15 33 53.3 -1.4, 15 33 56.2 +1.2, 15 38 49.8 -0.6, 15 38 58.8 +0.4

KRSC 18 15:30:24.0±0.8, 53.37N±160.60E, h46km, 8km, ML3.6, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC, 15 30 35.4 +1.1, 15 30 42.1 +0.6, 15 30 55.6 +2.0, 15 30 57.7 +2.2, 15 30 59.7 +2.1, 15 30 45.5 +1.1, 15 30 58.9 +1.5, 15 31 00.3 +1.4, 15 31 06.3 +2.9, 15 31 09.4 +0.9, 15 31 11.7 +2.9, 15 31 14.1 +1.9, 15 31 17.1 +1.9, 15 31 19.9 +2.9, 15 31 19.6 +2.0

KDTR Khodutka, Kamc 2.19 226 eS Sn 15 31 27.0 +3.2

ISCJTB 18 15:30:39.9±0.7, 38.72N, 0.04, 43.56E, 0.08, h8km, 6km, Error ellipse: s-maj=10.9km s-min=5.4km az=25.8, ISK 18 15:30:39.4, 38.75N, 43.51E, h4km, ML2.4/7, DDA 18 15:30:39.4, 38.69N, 43.62E, h7km, ML2.7, ISC 18 15:30:40.1±1.2, 38.72N, 0.03, 43.57E, 0.05, h16km, 10km, n17, 01/08/19, Turkey

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC, 15 30 45.0 +0.2, 15 30 45.0 -0.5, 15 30 44.9 -1.1, 15 30 50.9 -0.2, 15 30 46.5 -0.9, 15 30 49.7 -0.4, 15 30 57.4 -0.4, 15 30 49.5 -0.7, 15 30 57.0 -0.8, 15 30 52.4 -0.9, 15 30 57.8 -1.0, 15 31 01.0 -1.7, 15 31 01.8 -1.8, 15 31 05.0 +0.8, 15 31 05.8 -0.5, 15 31 05.8 +0.1, 15 31 07.7 -1.0, 15 31 08.1 -1.1, 15 31 14.1 +1.5

MOS 18 15:35:03.7±0.0, 41.73N, 46.38E, h14km, 1km, MPVA3.0, ISCJTB 18 15:35:06.7±0.7, 41.68N, 0.04, 46.46E, 0.05, h2km, 5km, Error ellipse: s-maj=8.2km s-min=4.5km az=44.1, ISC 18 15:35:05.3±1.4, 41.70N, 0.04, 46.34E, 0.04, h18km, 5km, n17, 01/32/34, Eastern Caucasus

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC, 15 35 14.7 -0.2, 15 35 21.4 +0.4, 15 35 34.5 +2.1, 15 35 21.6 +0.3, 15 35 34.5 +2.1, 15 35 21.0 -1.1, 15 35 32.3 -1.6, 15 35 32.2 -0.3, 15 35 35.2 -0.2, 15 35 23.2 -0.8, 15 35 37.2 -0.1, 15 35 25.1 -0.3, 15 35 40.6 +0.9, 15 35 27.8 -0.7, 15 35 46.2 +1.9, 15 35 27.8 -0.7, 15 35 46.2 +1.9, 15 35 29.8 +0.1, 15 35 27.9 -0.9, 15 35 31.6 -0.9, 15 35 51.6 +0.4, 15 35 37.7 +2.5, 15 35 58.1 +2.7, 15 35 58.0 -0.5, 15 35 31.1 -1.6, 15 35 39.5 -2.0, 15 36 05.2 -1.0, 15 35 42.0 -1.2, 15 36 10.0 +0.9, 15 36 02.0 0.0, 15 36 19.0 -1.1, 15 35 46.7 0.0, 15 36 19.0 -1.1

KRSC 18 15:44:48.1±0.9, 54.42N±162.45E, h41km, 12km, ML3.7, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC, 15 44 58.9 +0.8, 15 45 05.4 +0.3, 15 45 12.5 +1.0, 15 45 30.0 +1.0, 15 45 12.5 +1.1, 15 45 30.4 +1.0, 15 45 15.5 +1.7, 15 45 18.4 +1.7, 15 45 18.1 +1.4, 15 45 39.1 +0.7, 15 45 19.2 +2.6, 15 45 41.8 +2.7, 15 45 20.5 +3.1, 15 45 42.9 +3.3, 15 45 20.3 +2.3, 15 45 42.9 +3.3, 15 45 20.8 +2.5, 15 45 43.8 +2.3, 15 45 22.1 +3.2, 15 45 46.2 +3.9, 15 45 20.6 +1.9, 15 45 43.3 +1.3, 15 45 22.1 +3.2, 15 45 45.8 +3.5, 15 45 22.2 +3.2, 15 45 46.0 +3.6, 15 45 22.2 +3.2, 15 45 46.5 +2.9, 15 45 23.0 +2.1, 15 45 47.4 +1.6, 15 45 23.4 +1.9, 15 45 48.1 +1.0, 15 45 24.0 +2.1, 15 45 49.2 +1.6, 15 45 25.2 +2.9, 15 45 51.2 +2.9, 15 45 25.5 +2.9, 15 45 27.9 +3.0, 15 45 24.8 +3.1, 15 45 29.4 +3.6, 15 45 58.5 +3.8, 15 45 29.7 +3.7, 15 45 29.7 +3.6, 15 45 59.2 +3.9, 15 45 33.3 +3.3, 15 45 30.8 +3.3, 15 46 00.9 +3.1, 15 45 30.6 +2.6, 15 46 00.6 +1.9, 15 46 01.1 +2.1, 15 46 01.4 +2.3, 15 45 33.2 +3.4, 15 45 37.0 +3.6, 15 46 11.6 +3.3, 15 45 37.0 +2.9, 15 45 38.8 +2.8, 15 45 43.4 +4.8, 15 45 43.9 +4.2

MOS 18 15:50:13.3±0.0, 43.44N, 44.25E, h14km, MPVA3.5, TIF 18 15:50:14.3, 43.48N, 44.25E, h23km, 3km, ISC 18 15:50:13.9±1.0, 43.48N, 0.02, 44.26E, 0.02, h19km, 2km, n27, 06/90/52, Western Caucasus

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC, 15 50 18.1 -0.6, 15 50 20.9 -1.0, 15 50 18.8 -0.5, 15 50 20.7 +0.5, 15 50 20.7 +0.5, 15 50 26.9 -1.7, 15 50 20.3 -0.3, 15 50 25.3 +0.2, 15 50 22.4 +0.3, 15 50 29.2 +1.8, 15 50 22.3 -0.5

Table with columns: KORR, TRKR, Terskaya, 0.43 54 eSg, Sb, 15 50 29.3 +0.6, 15 50 24.2 -0.9, 15 50 32.1 -0.2, 15 50 24.2 +0.4, 15 50 32.8 -0.9, 15 50 36.7 +0.2, 15 50 35.7 +0.8, 15 50 28.4 +0.8, 15 50 35.8 -1.2, 15 50 26.9 +0.1, 15 50 36.1 +0.5, 15 50 40.5 +1.2, 15 50 28.5 +0.1, 15 50 39.7 -0.6, 15 50 28.5 -0.4, 15 50 38.5 -0.0, 15 50 33.6 +0.6, 15 50 34.5 0.0, 15 50 49.6 +1.0, 15 50 34.5 0.0, 15 50 48.6 +1.0, 15 50 36.7 +0.2, 15 50 45.2 +1.3, 15 50 35.7 +0.4, 15 50 33.4 +1.9, 15 50 36.0 +0.4, 15 50 52.4 +0.4, 15 50 52.8 +0.1, 15 50 55.8 +1.8, 15 50 41.2 -0.9, 15 51 02.9 +0.6, 15 50 44.6 -1.2, 15 51 07.3 0.0, 15 50 48.6 -0.1, 15 50 51.6 +0.4, 15 51 21.1 -0.1, 15 51 51.9 -0.8, 15 51 23.1 -0.8, 15 51 25.3 -1.6

IDC 18 16:08:32.6±1.3, 29.35N, 51.34E, h0km, mb4.0/1/4, mb1 4.1/17, mb1mx3.9/5.1, mbtmp4.0/17, ML3.1/3, MS2.9/3, Ms1 2.9/3, ms1mx2.5/44, Error ellipse: s-maj=30.6km s-min=15.9km az=1.0, NEIC 18 16:08:34.6±0.0, 29.45N, 51.28E, h10km, mb4.3/17, WNS3.9(T)H, After TEH

ISCJTB 18 16:08:34.9±0.2, 29.44N, 0.03, 51.24E, 0.03, h20km, mb4.3/24, Error ellipse: s-maj=3.9km s-min=3.3km az=2.7, TEH 18 16:08:34.6, 29.45N, 51.28E, h10km, ML3.9, THR 18 16:08:35.2±0.4, 29.48N, 51.26E, h14km, 6km, ML3.8, DSN 18 16:08:42.6±1.0, 28.84N, 51.25E, h15km, ML3.9/6, Error ellipse: s-maj=14.9km s-min=6.4km az=11.0, ISC 18 16:08:36.0±0.5, 29.45N, 0.05, 51.33E, 0.04, h20km, n140, 01/73/138, mb4.2/34, 9C-2D, Southern Iran

ISC 18 16:08:36.0±0.5, 29.45N, 0.05, 51.33E, 0.04, h20km, n140, 01/73/138, mb4.2/34, 9C-2D, Southern Iran

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC, 16 08 45.3 -2.0, 16 08 58.0, 16 09 06.5, 16 08 55.7 +0.1, 16 09 18.0, 16 09 28.8, 16 09 04.9 +2.2, 16 09 29.5, 16 09 31.0, 16 09 32.5, 16 09 04.8 +1.9, 16 09 36.6, 16 09 41.5, 16 09 09.6 +2.7, 16 09 36.0 +3.7, 16 09 09.6 +2.7, 16 10 03.7, 16 10 04.7, 16 10 01.4, 16 10 03.2, 16 10 04.6, 16 09 18.3 +2.2, 16 09 23.6, 16 10 01.4, 16 10 03.3, 16 10 02.2, 16 10 10.3, 16 10 11.0, 16 10 14.1, 16 09 23.0 +1.7, 16 10 19.1, 16 10 22.5, 16 10 26.5, 16 09 25.2 +2.4, 16 10 14.8, 16 10 18.9, 16 09 28.3 +3.0, 16 09 36.8, 16 09 42.7, 16 10 28.2, 16 10 04.6 +1.2, 16 09 27.1 +1.5, 16 09 28.0 +1.9, 16 10 28.6, 16 10 29.7, 16 10 32.6, 16 09 31.6 +3.0, 16 09 41.6, 16 10 16.3, 16 09 32.5 +2.4, 16 09 46.7, 16 10 50.9, 16 09 36.8 +2.5, 16 10 24.5, 16 10 25.8, 16 09 36.4 +1.8, 16 09 39.7, 16 10 46.8

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PSI Prapat, FORT Forrest, PHRA Phrae, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like OHAK Old Harbor, KDOK Kodlak Island, IM3 Indian Mountain, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, etc.

Table with columns: Station Name, Time, Res, ISC, Pn, S, Sg, Sml, Aml, Pmax. Includes stations like KMKR Kumukh, DGRG David-gareji, SEKA Sheki, GNBGR Gunib, etc.

Table with columns: Station Name, Time, Res, ISC, Pn, S, Sg, Sml, Aml, Pmax. Includes stations like AKH Akhalkalaki, KORR Kora, HYR Heyderabad, GBS Gobs, etc.

Table with columns: Station Name, Time, Res, ISC, Pn, S, Sg, Sml, Aml, Pmax. Includes stations like ANX Ano Chora, EFP Efpalio, SERG Sergoula, TRIZ Trizonia, etc.

DDA 18 19:27:37.9, 39:39N:25:49E, h17km, M12.7
ATH 18 19:27:39.8, 39:40N:25:55E, h11km, 6km, ML2.2/5, Error
THE 18 19:27:39.9, 39:40N:25:58E, h7km, 1km, ML2.2/6, Error
Code Station Name Δ° AZ° Phase ID Time Res ISC Pn S Sg Sml Aml Pmax

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Athens Observa, Athens Univer, Eretria, Penetli, Litokhoron, etc.

DDA 18 19:33:36.6, 35:52N, 27:50E, h7km, M12.6
ATH 18 19:33:39.8, 35:84N, 27:25E, h14km, 3km, ML2.3/3, Error ellipse: s-maj=4.8km s-min=1.1km az=138.0

ISC/CJB 18 19:33:40.0, 1.35:58N, 0:07:27.49E, 0.06, h13km, gkm, Error ellipse: s-maj=13.7km s-min=4.8km az=149.6

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Karpathos, Arkhangelos, Data, Dallyan, etc.

IDC 18 19:36:10.4, 0.5, 2:33N, 126:75E, h0km, mb4.4/22, mb1.4/5/22, mb1mx4.4/35, mbtmp4.4/22, MS3.6/15, Ms1.3/6/15, mb1mx3.3/40, Error ellipse: s-maj=22.8km s-min=10.0km az=73.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Ternate, Sangihe, Labuana, Cibinong, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Bagumbayan, Marisa, Luwuk, Cotabato-PC, etc.

DDA 18 19:33:36.6, 35:52N, 27:50E, h7km, M12.6
ATH 18 19:33:39.8, 35:84N, 27:25E, h14km, 3km, ML2.3/3, Error ellipse: s-maj=4.8km s-min=1.1km az=138.0

ISC/CJB 18 19:33:40.0, 1.35:58N, 0:07:27.49E, 0.06, h13km, gkm, Error ellipse: s-maj=13.7km s-min=4.8km az=149.6

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Karpathos, Arkhangelos, Data, Dallyan, etc.

IDC 18 19:36:10.4, 0.5, 2:33N, 126:75E, h0km, mb4.4/22, mb1.4/5/22, mb1mx4.4/35, mbtmp4.4/22, MS3.6/15, Ms1.3/6/15, mb1mx3.3/40, Error ellipse: s-maj=22.8km s-min=10.0km az=73.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Ternate, Sangihe, Labuana, Cibinong, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Alibeck, Vanda, Vnda, MAW, MAW, KBZ, PPT, PPT2, ILAR, BRTR, BRTR, ARCES, FINES, KECS, TORD, LCO, etc.

IDC 18 19:47:37.1, 0.8, 7:99S, 106:96E, h0km, mb3.8/10, mb1.4/0/11, mb1mx3.8/41, mbtmp3.9/11, ML4.4/1, Error ellipse: s-maj=40.7km s-min=15.3km az=48.0

DJA 18 19:47:44.6, 0.4, 8:52S, 107:10E, h100km, M4.7/11, mb5.8/1, mb5.2/1, MLV4.4/11, Mw(MB)5.3/1

ISC 18 19:47:38.7, 1.6, 8:10S, 0:06:107.09E, 0.04, h9km, 10km, n36, e234/45, mb4.1/9, Jawa

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Cisomet, Lembang, Cimerak, Jatiwangi, Cibinong, etc.

IDC 18 20:04:18.2, 4.3, 2:39S, 152:92E, h439km, 43km, mb3.1/6, mb1.3/8, mb1mx2.9/44, mbtmp4.0/8, Error ellipse: s-maj=48.2km s-min=18.6km az=97.0, New Ireland

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Jayapura, Charters Tower, WRA, ASAR, JNU, PETK, CMAR, MKAR, TORD, etc.

IDC 18 20:03:50.2, 2.6, 3:36N, 171:32E, h0km, mb3.7/3, mb1.3/8/6, mb1mx3.4/56, mbtmp3.8/6, ML3.8/3, MS3.6/3, Ms1.3/6/15, mb1mx2.7/53, Error ellipse: s-maj=62.9km s-min=26.2km az=53.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Ternate, Sangihe, Labuana, Cibinong, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SFK, MNAS, KK31, etc.

IDC 18 20:25:28.8, 14.0, 143.9N; 118.91E, h0km, mb3.4/2, mb1 3.6/3, mb1mx3.5/2, mbtmp3.3/3, ML3.7/1, M3.5/2,1, M3.1/2,1, ms1mx2.5/2, Error ellipse: s-maj=48.45km s-min=33.1km az=37.0, Philippine Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CMAR, WRA, ASAR, MKAR.

DDA 18 20:26:24.4, 41.09N; 44.07E, h7km, M3.0 TIF 18 20:26:24.4, 41.13N; 44.13E, h14km, 2km ISC 18 20:26:24.5, 1.2, 41.09N; 0.04, 44.09E, 0.04, h11km, 10km, n9, 0.49/18, Western Caucasus

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KZRT, BGD, TRLG, etc.

ISCJB 18 20:32:23.2, 0.8, 8.8S; 0.1, 119.50E; 0.05, h150km, mb3.5/2, Error ellipse: s-maj=17.3km s-min=6.2km az=9.8 DJA 18 20:32:25.0, 1.0, 9.9S; 2.8, 127.0E, h127km, 10km, M3.5/5, MLV3.5/5

IDC 18 20:32:28.0, 6.6, 8.97S; 119.67E, h155km, 4.7km, mb3.3/2, mb1 3.3/6, mb1mx3.1/39, mbtmp3.7/6, MS3.3/4, MS1 3.3/3, ms1mx2.9/19, Error ellipse: s-maj=57.3km s-min=52.2km az=105.0

ISC 18 20:32:24.6, 1.2, 8.8S; 0.1, 119.49E; 0.05, h150km, n13, 0.155/14, Flores region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WSI, PLAI, EDFI, etc.

IDC 18 20:33:46.9, 1.5, 2.36N; 126.51E, h0km, mb3.5/5, mb1 3.7/6, mb1mx3.5/38, mbtmp3.6/6, ML3.4/1, Error ellipse: s-maj=66.3km s-min=23.2km az=63.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SJI, FITZ, WRA, etc.

IDC 18 20:45:46.6, 9.1, 7.94S; 129.62E, h250km, 104km, mb2.9/1, mb1 2.7/4, mb1mx2.6/28, mbtmp3.3/4, Error ellipse: s-maj=69.9km s-min=42.9km az=37.0, Banda Sea

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

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

GUC 18 21:05:33.5, 0.3, 23.96S; 67.61W, h230km, 6km, ML3.9, 6C-1D, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PB15, PB06, PB05, etc.

ISCJB 18 21:05:58.0, 6.0, 50.19N; 104.19, 19E; 0.03, h0km, Error ellipse: s-maj=5.2km s-min=2.7km az=17.1 PRU 18 21:05:59.0, 9.0, 50.23N; 19.24E, h0km WAR 18 21:06:00.7, 50.18N; 19.34E, h1km, Mw2.7

ISC 18 21:05:59.0, 5.0, 50.12N; 104.19, 26E; 0.02, h0km, n22, 0.97/40, Poland

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

NIED 18 21:14:02, 38.90N; 142.10E, h44km, Mw3.7, Best double couple: M=4.10000e+10, NP1=184.00000e+3, 0.00000e+0, 1.77.00000e+0, NP2=19.00000e+0, 861.00000e+0, 1.97.00000e+0

ISCJB 18 21:14:51.0, 1.2, 38.84N; 142.1E; 0.1, h53km, 7km, mb3.8/5, Error ellipse: s-maj=17.2km s-min=7.2km az=17.2

JMA 18 21:14:52, 1.0, 1.0, 38.85N; 142.05E, h46km, 1km, M3.9 JMA Feil Ji, J1

IDC 18 21:14:53.2, 3.2, 38.80N; 142.23E, h68km, 24km, mb3.6/5, mb1 3.6/8, mb1mx3.3/50, mbtmp3.8/8, Error ellipse: s-maj=44.1km s-min=22.4km az=89.0

ISC 18 21:14:51.8, 1.7, 38.85N; 142.1E; 0.1, h44km, 12km, n24, 0.1975/25, mb3.8/5, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like OFUJ, JMK, JIO, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ZALV, MKAR, WRA, etc.

ISCJB 18 21:15:01.3, 0.9, 4.9S; 0.1, 151.6E; 0.2, h129km, mb3.7/8, Error ellipse: s-maj=21.6km s-min=19.2km az=175.9

IDC 18 21:15:03.3, 2.7, 4.98S; 151.65E, h136km, 22km, mb3.5/8, mb1 3.7/8, mb1mx3.4/42, mbtmp3.9/8, Error ellipse: s-maj=23.0km s-min=18.6km az=82.0

ISC 18 21:15:02.8, 0.9, 5.0S; 0.2, 151.7E; 0.2, h129km, n9, 1.192/11, mb3.7/8, New Britain region

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

ISCJB 18 21:24:20.5, 0.4, 62.69S; 0.05, 155.8E; 0.2, h10km, mb4.6/19, MS4.4/20, Error ellipse: s-maj=12.5km s-min=6.8km az=11.1

NEIC 18 21:24:21.9, 0.4, 62.78S; 155.88E, h10km, mb4.9/15, Error ellipse: s-maj=12.1km s-min=7.2km az=94.0

IDC 18 21:24:21.3, 0.8, 62.70S; 155.15E, h0km, mb4.4/11, mb1 4.5/11, mb1mx4.3/25, mbtmp4.3/11, MS4.4/20, MS1 4.4/20, ms1mx4.3/27, Error ellipse: s-maj=35.2km s-min=15.2km az=78.0

GCMT 18 21:24:23.0, 0.2, 62.66S; 0.01, 155.45E; 0.03, h13km, 1km, MW5.1/88, Moment Tensor Solution. s54.c68; s88.c138; Duration: 0 Moment tensor: Scale 10^19Nm; Mr=0.93; 17; Mw=5.23; 16; Mbb=4.30; 14; Mtt=1.70; 40; Mbb=3.49; 14; Ms=1.03; 39; Best double couple: Mo=6.17100e+10, NP1=334.00000e+3, 84.00000e+3, 14.00000e+3, 0.242.00000e+3, 876.00000e+3, 1.174.00000e+3. Principal axes: T: 6.850, P: 14.000, Azm: 354.000; P: -5.4890, P: 6.0000; Azm: 107.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 18 21:24:22.6, 0.5, 62.76S; 0.07, 155.7E; 0.1, h10km, n73, 0.133/56, mb4.7/19, MS4.3/21, 1D, Baileny Islands region

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TBI, SOEI, PPT2, PPT, RKT, VAI, FAKI, PLCA, H0S2, H0S1, H0S3, BOS, BOSA, CPUP, CMAR, LPAZ, NNA, JHJ, GYA, NJ2, BDFB, MJAR, LZH, LZH, WMQ, KSH, NVAR, MKAR, HUU, ILAR, KEST, MLR, BUR0, BUR4, AKASG, VYHS, ESDC, ES19, ES19.

KRSC 18 21:36:51.2±0.9, 52.71N±16.03E, h42km±12km, ML3.8, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SPN, DALK, SDR, PET, SMAR, AVH, KRER, RUS, KOK, KRX, KRX, MTRV, KRM, KRM, KIL, ASAK, MKZ, KZV, TUMD, TUMR, TUMR, KBT, BKI.

IDC 18 21:37:21.8±5.8, 63.31S±153.18E, h0km, mb3.3/2, mb1 3.8/3, mb1mx3.6/19, mbtmp3.5/3, ML3.6/1, MS3.7/3, Ms1 3.7/3, ms1mx3.4/11, Error ellipse: s-maj=470.3km s-min=40.5km az=76.0, Balleny Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VNSA, VNSA, RPZ, GSPA, H01W1, H01W2, H01W3, WRA.

ISCJB 18 22:04:42.0±0.4, 30.72N±0.06±9.75E±0.05, h10km, mb3.9/16, MS3.6/2, Error ellipse: s-maj=9.6km s-min=5.6km az=153.0

IDC 18 22:04:43.0±0.7, 30.77N±99.81E, h0km, mb3.9/16, mb1 4.0/16, mb1mx3.9/46, mbtmp3.9/16, MS3.6/2, Ms1 3.5/2, ms1mx2.8/35, Error ellipse: s-maj=20.8km s-min=15.6km az=45.0

NEIC 18 22:04:44.9±0.5, 30.87N±99.78E, h10km, mb4.1/2, Error ellipse: s-maj=11.0km s-min=9.1km az=202.0

BUI 18 22:04:45.0±0.3, 30.83N±99.85E, h10km, ML3.4/8, ISC 18 22:04:44.5±0.5, 30.86N±0.06±99.82E±0.05, h10km, n48, i1671/49, mb4.0/17, 3C, Sichuan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LZH, LZH, LZH, LSA, XAN, XAN, XAN, ENH, GTA, GTA, GTA, GTA, GTA, GTA, SHL, SHL, GUN, PKI, PKIN, KKN, DMN, BOK, KOLN, KOLN, PYU, PYU, WMQ, DDI, SMLA, SMLA, DHRM, DHRM, MKP, NGP, BHPL, BHPL, NIL, HYB, KSAR, KRSR, KURS, ZALV, ZALV, BHJ, GEYT, YAK, YAK, TIXI, TIXI, KBZ, BRTR, BRTR, ARCS, VRI, PLO, WLR, WLR, ASAR, GERES, GERES, KMB, KMB, ILAR, ILAR, TORD, TORD.

IDC 18 22:31:17.8±1.3, 33.20N±84.50E, h0km, mb3.7/3, mb1 3.9/5, mb1mx3.3/40, mbtmp3.6/5, ML3.6/2, Error ellipse: s-maj=10.07km s-min=2.45km az=50.0

ISCJB 18 22:31:20.9±0.8, 33.19N±0.07±84.2E±0.2, h30km, mb3.7/3, Error ellipse: s-maj=28.8km s-min=9.7km az=170.5

DMN 18 22:31:22.5±14.0, 32.88N±83.76E, h10km, Mb4.4/5, Error ellipse: s-maj=357.6km s-min=21.0km az=174.0

ISC 18 22:32:27.1±0.3, 33.1N±0.1±84.1E±0.2, h35km, n13, i1671/13, mb3.7/3, Xizang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DANN, PYUN, KKN, GUN, DMN, PKI, KURBB, CMAR, GERES, WRA, ASAR.

PAGZ eS Sn 22 38 15.8 +0.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AZER, IHRH, IHRH, ITBZ, ITBZ, ITBZ, IBST, IBST, IBST, ORD, ORD, ISHB, IMRD, IMRD, IAZR, IAZR, IAZR, ISRB, ISRB, GRMI, NAX, LRK, LRK, SBZ, GLBA, ALST, ALST, ASTR, ASTR, LKRN, LKRN, MAKU, MAKU, BRDA, BRDA, GDB, GDB, VARS, VARS, POL, POL, POL, QZQ, QZQ, OZX, SEKA, SEKA, XNQ, XNQ, DDFL, DDFL, AGRB, AGRB, DGRG, DGRG, QALM, QALM, TRLG, TRLG.

IDC 18 22:40:05.1±4.2, 2.59S±140.22E, h0km, mb3.5/2, mb1 3.8/3, mb1mx3.5/26, mbtmp3.6/3, ML3.8/1, Error ellipse: s-maj=160.2km s-min=28.5km az=89.0, Near north coast of Irian Jaya

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

MAN 18 22:55:52.6, 9.7N±123.11E, h32km, mb4.1, ML2.8, MS2.5, 1D, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PAGZ, IPIL, IPIL, IPIL, SKMP, SKMP.

IDC 18 23:01:20.6±2.2, 6.99S±129.63E, h118km±21km, mb3.7/4, mb1 3.9/9, mb1mx3.5/31, mbtmp4.2/9, Error ellipse: s-maj=30.6km s-min=15.1km az=71.0

ISCJB 18 23:01:21.1±0.7, 7.01S±0.06±129.64E±0.08, h150km, mb3.8/4, Error ellipse: s-maj=11.0km s-min=8.5km az=71.8

ISC 18 23:01:20.8±0.7, 7.10S±0.06±129.79E±0.09, h150km, n11, i3535/16, mb3.8/4, Banda Sea

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h m s ISC. Includes stations like BATI Baumata, FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

CRAEA 1823:03:02.3, 35:99N:4:14E, M13.3
ISC/JB 1823:03:04.8, 1.0, 35.96N:0:08:3.98E:0:04, h13km, 6km,
Error ellipse: s-maj=13.2km s-min=5.4km az=47.0

Main table of station data for CRAEA and other stations, including ATAF, ADJB, ADJH, etc.

PDA 1823:26:07.5, 0.8, 39:40N:29:91W, h14km, 5km, MD3.7,
ML3.0, Error ellipse: s-maj=6.1km s-min=2.3km az=25.0,
Azores Islands

Table of station data for PDA and Azores Islands, including H07N1, H07N2, etc.

ISC/JB 1823:36:13.8, 0.5, 41:84N:0:02:24.15E:0:03, h2km, 4km,
Error ellipse: s-maj=3.6km s-min=2.7km az=5.3
SOF 1823:36:13.7, 4.1, 82N:24:15E, h13km, MD2.5
THE 1823:36:14.4, 4.1, 81N:24:16E, h2km, 1km, ML2.2/E, Error
ellipse: s-maj=1.6km s-min=0.7km az=343.0

Main table of station data for ISC/JB, SOF, THE, ATH, BEO, SKO, etc.

RSNC 1823:38:38.6, 0.8, 6:80N:73:13W, h142km, 4km, ML3.2,
Mw3.6, 2C-1D, Northern Colombia

Table of station data for RSNC and Northern Colombia, including BARC, GIRC, etc.

Table of station data for ROSC, HELC, GUYC, etc.

IDC 1823:41:01.9, 8.3, 62:84S:156:98E, h0km, mb3.5/2,
mb1 3.7/3, mb1mx3.6/24, mbtmp3.4/3, ML2.8/1, MS3.2/1,
Ms1 3.7/1, ms1mx2.7/16, Error ellipse: s-maj=481.2km
s-min=42.7km az=76.0, Balleny Islands region

Table of station data for IDC, Vnda, H01W1, etc.

IDC 1823:50:34.9, 6.8, 62:95S:154:55E, h0km, mb3.3/2,
mb1 3.5/3, mb1mx3.4/27, mbtmp3.3/3, ML2.9/1, Error
ellipse: s-maj=477.7km s-min=42.1km az=76.0, Balleny
Islands region

Table of station data for IDC, Vnda, H01W1, etc.

IDC 1823:52:12.0, 5.5, 63:04S:154:78E, h0km, mb3.6/2,
mb1 3.9/3, mb1mx3.7/24, mbtmp3.6/3, ML3.1/1, MS3.5/6,
Ms1 3.5/6, ms1mx3.3/20, Error ellipse: s-maj=362.7km
s-min=41.5km az=76.0, Balleny Islands region

Table of station data for IDC, Vnda, QSPA, etc.

ISC/JB 1900:09:16.5, 0.4, 4:94N:0:04:82:65W:0:04, h12km,
mb3.8/11, MS3.4/6, Error ellipse: s-maj=6.0km
s-min=4.2km az=137.2

IDC 1900:09:16.7, 1.2, 4:86N:82:71W, h0km, mb3.8/7,
mb1 4.1/11, mb1mx3.9/39, mbtmp3.9/11, ML2.8/3, MS3.3/10,
s-min=17.8km az=36.0

NEIC 1900:09:17.9, 0.4, 4:82N:82:69W, h10km, mb4.0/7, Error
ellipse: s-maj=9.2km s-min=6.8km az=225.0

UCR 1900:09:21.6, 1.6, 5:25N:82:59W, h10km, mb4.4(NEIC)
ISC 1900:09:17.8, 0.6, 4:86N:0:05:82:71W:0:05, h12km, n57,
i1900/61, mb3.9/11, MS3.4/6, 2C-1D, South of Panama

Main table of station data for ISC/JB, NEIC, UCR, etc.

19d 1h

2012 OCT

Table with columns: PPT, Papeete, 58.27 108 LR, 01 49 54.7, etc. Includes stations like PPT, PPT2, PPT2, CD2, HHC, etc.

Table with columns: HLID, Hailey, 95.68 47 eP, 01 33 00.2 -0.4, etc. Includes stations like HLID, LCMT, KNB, etc.

IDC 19 01:49:17.1s,9.5,51.64N:176.70E,h0km,mb3.3/4, mb1 3.9/5, mb1mx3.5/64, mbtmp3.5/5, ML4.0/1, Error ellipse: s-maj=192.3km s-min=70.5km az=96.0

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

NIED 19 01:50:00.39:60N:143.80E,h23km,Mw4.6 Best double couple: M9.99000°±17.0' Np1.9202 00000°; k30.00000°, 1.86.00000° - NP2.9202 00000°; k60.00000°, 1.93.00000°

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

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

Table with columns: KUR, comp=Z,2113nm,0.3s, pmax, pmax, etc. Includes stations like KUR, YSS, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BUR04 Bucovina Ar. S, BURAR Bucovina Array, BIZ Bicaz, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SQT4 Sankt Quirin, PDG Podgorica, FETA Feichten, etc.

IDC 19 01:51:40.5-61.0, 20:69S:177.95W, h0km, mb4.3/3, mb1 4.5/3, mb1mx3.8/32, mbtmp4.3/3, Error ellipse: s-maj=111.0km s-min=161.4km az=63.0, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like STKA Stephens Creek, ASAR Aak Springs, WRA Warrungarra Arr, etc.

NIED 19 01:58:00.38-50N, 142.30E, h47km, Mw4.0. Best double couple: M9.52000/-0.104, NP13a22.00000/-84.00000/-1.51.00000/- NP2b242.00000/-887.00000/-9.93.00000/-

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like JMA JMA Felt II J1, IDC 19 01:58:19.8-0.8, 38.39N, 142.23E, etc.

ISC 01:59:19.7-0.9, 38.47N, 105.142.23E, 0.08, h43km, 8km, n34, c086/41, mb3.9/11, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like JIO Ouri, JJC Ofunato, JOM Okura, etc.

ISK 19 02:31:25.9, 38.55N, 43.83E, h24km, ML2.0/4, ISCJB 19 02:31:26.7, 1.5, 38.61N, 0.07, 43.79E, 0.10, h13km, Error ellipse: s-maj=13.4km s-min=5.9km az=39.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like VANB Van, TVAN Van, VMUR Van-Muradiye, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like VANB Van, TVAN Van, VMUR Van-Muradiye, etc.

NEIC 19 02:44:14.3-0.3, 30.13N, 102.82E, h10km, mb4.3/4, ML4.3(BJ), Error ellipse: s-maj=7.4km s-min=6.2km az=37.0

MOS 19 02:44:15.4-1.3, 30.11N, 102.91E, h33km, mb4.3/19, Error ellipse: s-maj=11.6km s-min=6.6km az=108.0

ISC 19 02:44:17.0-0.5, 30.14N, 105.102.92E, 0.05, h30km, 3km, h30km, p-P, n99, c1929/105, mb4.2/32, MS3.2/9, 8C, Sichuan

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like CD2 Chengdu, CD2 Chengdu, KMI Kunming, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KMI Kunming, ENH Enshi, LZH Lanzhou, etc.

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

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like LSA Lhasa, LSA Lhasa, PAYA Payao, etc.

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

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SKNT Sakolnokr, PBKT Sadao Pong, CHAI Chaiyaphum, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like RAMN Ramite, UTHA Uthaitani, JIRN Jiri, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PKIN Phulchoki, DMN Daman, NAYO Nakonayok, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KOLN Koldanda, PYUN Piuthan, SONM Songoing Arr, etc.

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

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

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like MK31, MKAR, MKAZ, JUNU, NIL, ZALV, etc.

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

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like KNB, W18A, CCUT, etc.

ECX 19 02:51:56.7z 0.6, 32.12N; 115:21W, h12km, MD4.2, ML4.4
NEIC 19 02:51:56.7z 0.0, 32.13N; 115:20W, h2km, mb4.21,
ML4.4 (ECX), ML4.0 (PAS), After ECX.

ISCB 19 03:13:12.5z 0.9, 36.149N; 0:08:70E, 0.1, h204km,
mb3.1/5, Error ellipse: s-maj=17.3km s-min=10.3km
az=21.0
IDC 19 03:13:14.4z 9.2, 36.27N; 70:07E, h215km, mb3.1/6,
mb1.3/2.8, mb1mx2.9/52, mbtmp3.6/8, MS2.9/1, Ms1 2.9/1,
ms1mx3.2/5, Error ellipse: s-maj=47.4km s-min=20.6km
az=21.0
NNC 19 03:13:17.1z 6.2, 37.16N; 70:09E, h0km, mb3.6, mpv3.2,
Error ellipse: s-maj=46.9km s-min=38.5km az=5.0
ISC 19 03:13:14.5z 1.1, 36.6C; 0:1x70E; 0.1, h204km, n12,
e245/14, mb3.1/5, 4C-1D, Hindu Kush region

PETK	baz=1.0	82.92	29	P	P	03 47 34.5	-1.3
PETK	comp=Z,58nm,19.1s,ba=308,slow=40			LR	LR	04 30 36.2	
IL1	comp=Z,58nm,19.1s,ba=308,slow=40	82.96	35.9	P	P	03 47 35.3	-0.4
ILAR	comp=Z,7.3nm,1.1s,ba=316,slow=3.0,SNR=42	82.96	35.9	P	P	03 47 36.0	+0.3
ILAR	comp=Z,0.3nm,0.8s,ba=3.1,slow=4.8,SNR=2.8			PP	PP	03 50 42.1	-3.4
ILAR	comp=Z,0.5nm,1.1s,ba=207,slow=3.8,SNR=4.2			PKKpb	PKKpb	04 05 56.5	-2.1
ILAR	comp=Z,20nm,21.8s,ba=67,slow=37			LR	LR	04 26 36.5	
ILB	comp=Z,58nm,19.1s,ba=308,slow=40	82.96	35.9	eP	P	03 47 36.2	+0.4
N54A	comp=Z,9.1nm,1.0s,ba=308,slow=4.7,SNR=13	83.04	31.5	P	P	03 47 36.7	+0.1
GLMI	baz=52	83.29	32.0	P	P	03 47 37.9	+0.1
MAJO	comp=Z,5.2nm,0.6s	83.32	51	eP	P	03 47 38.1	0.0
MAJO	comp=Z,5.0nm,0.6s	83.32	51	eP	P	03 47 38.1	0.0
MJAR	comp=Z,9.1nm,1.0s,ba=308,slow=4.7,SNR=13	83.32	51	P	P	03 47 38.2	0.0
MJAR	comp=Z,83nm,20.0s,ba=260,slow=39			LR	LR	04 29 38.6	
H3A	Harding Lake	83.33	35.9	P	P	03 47 37.6	0.0
DAWY	Dawson	83.38	35.6	eP	P	03 47 38.7	+0.7
J49A	Marlette	83.40	31.8	P	P	03 47 38.5	+0.1
R58B	Mineral	83.54	31.1	P	P	03 47 39.2	0.0
MCWV	Mont Chateau	83.75	31.3	P	P	03 47 40.6	+0.4
E42A	Champion	83.98	32.2	P	P	03 47 41.1	-0.2
F43A	Flat Rock, Esc	83.99	32.2	P	P	03 47 41.7	+0.4
FFC	Flin Flon	84.10	33.5	eP	P	03 47 42.4	+0.6
FFC	Flin Flon	84.10	33.5	eP	P	03 47 42.8	+1.0
K48A	Perry	84.31	31.8	P	P	03 47 43.1	+0.1
J47A	Summer	84.42	31.9	P	P	03 47 43.8	+0.2
E41A	Kenton	84.49	32.3	P	P	03 47 43.9	-0.1
L49A	Milan	84.55	31.7	P	P	03 47 44.4	+0.2
M50A	Fremont	84.58	31.6	P	P	03 47 44.1	-0.3
O52A	Adamsville	84.67	31.5	P	P	03 47 45.2	+0.2
P53A	Whipple	84.79	31.4	P	P	03 47 46.1	+0.5
COWI	Conover	84.83	32.3	eP	P	03 47 45.9	+0.2
K47A	Vermontville	84.89	31.8	P	P	03 47 45.9	-0.1
E40A	Waketfield	84.98	32.3	P	P	03 47 46.1	-0.3
L48A	N Adams	85.03	31.7	P	P	03 47 46.5	-0.2
N50A	Nevada	85.04	31.6	P	P	03 47 46.7	-0.1
M49A	Liberty Center	85.07	31.7	P	P	03 47 46.9	0.0
ULM	Lac du Bonnet	85.08	32.9	LR	LR	04 29 31.6	
O51A	Pataksala	85.11	31.5	P	P	03 47 47.1	-0.1
P52A	Corning	85.15	31.5	P	P	03 47 47.3	0.0
ACSO	Alum Creek Sta	85.28	31.5	eP	P	03 47 48.5	+0.5
ACSO	Alum Creek Sta	85.28	31.5	P	P	03 47 47.9	-0.1
E39A	Mellen	85.36	32.4	P	P	03 47 47.8	-0.4
L47A	Sherwood	85.45	31.8	P	P	03 47 48.7	-0.1
F40A	Park Falls	85.45	32.3	P	P	03 47 48.8	0.0
M48A	Edgerton	85.49	31.7	P	P	03 47 48.9	-0.1
N49A	Columbus Grove	85.55	31.7	P	P	03 47 49.2	-0.1
H42A	Shiocton	85.59	32.1	P	P	03 47 49.3	-0.1
Q52A	Bidwell	85.65	31.4	P	P	03 47 49.7	-0.1
O50A	Cable	85.71	31.6	P	P	03 47 50.2	-0.4
P51A	Williamsport	85.80	31.5	P	P	03 47 50.2	-0.4
I43A	Langensfeld Bro	85.81	32.1	P	P	03 47 50.4	-0.1
F39A	Loretta	85.86	32.4	P	P	03 47 50.5	-0.3
G40A	Rib Lake	85.94	32.3	P	P	03 47 51.0	-0.2
N48A	Decatur	86.08	31.7	P	P	03 47 51.8	-0.1
O49A	Covington	86.11	31.6	P	P	03 47 51.7	-0.4
H41A	Junction City	86.11	32.2	P	P	03 47 51.8	-0.2
P50A	Jamestown	86.16	31.5	P	P	03 47 51.9	-0.5
PMR	Palmer	86.17	0	eP	P	03 47 52.7	+0.8
PMR	Palmer	86.17	0	eP	P	03 47 52.7	+0.8
Q51A	Peebles	86.26	31.5	P	P	03 47 52.7	-0.3
R52A	Cattlettsburg	86.28	31.4	P	P	03 47 52.2	-0.8
J43A	Natural Harves	86.30	32.0	P	P	03 47 52.5	-0.5
G39A	Holcombe	86.42	32.3	P	P	03 47 52.9	-0.7
N47A	Urbana	86.45	31.7	P	P	03 47 53.4	-0.4
HYT	Haines Junctio	86.46	35.4	eP	P	03 47 55.1	+1.5
M46A	Old House Fiel	86.47	31.8	P	P	03 47 53.6	-0.3
H40A	Chili	86.49	32.2	P	P	03 47 53.6	-0.3
AGMN	Agassiz Nation	86.51	32.8	P	P	03 47 53.7	-0.3
O48A	Farmland	86.54	31.7	P	P	03 47 53.9	-0.4
I41A	Arkdale	86.60	32.2	P	P	03 47 54.2	-0.3
P49A	Miami Univ. Ec	86.75	31.6	P	P	03 47 54.9	-0.4
Q50A	Georgetown	86.76	31.5	P	P	03 47 55.0	-0.3
R51A	Hillsboro	86.87	31.4	P	P	03 47 55.7	-0.1
H39A	Augusta	86.91	32.3	P	P	03 47 55.7	-0.2
N46A	Monticello	87.03	31.8	P	P	03 47 56.2	-0.4
O47A	Sheridan	87.14	31.7	P	P	03 47 56.8	-0.4
J41A	Loganville	87.16	32.1	P	P	03 47 56.8	-0.4
O49A	Aurora	87.20	31.5	P	P	03 47 57.0	-0.5
P48A	Milroy	87.22	31.6	P	P	03 47 57.0	-0.6
T52A	Hallie	87.26	31.3	P	P	03 47 58.0	+0.2
L43A	Garden Prairie	87.28	32.0	P	P	03 47 57.7	-0.1
SPMN	Marine on St.	87.28	32.4	P	P	03 47 57.7	0.0
S51A	Beattyville	87.30	31.4	P	P	03 47 58.1	+0.1
R50A	Paris	87.33	31.5	P	P	03 47 58.3	+0.2
KM5C	Kings Mountain	87.46	31.1	P	P	03 47 58.8	0.0
U53A	Fall Branch	87.48	31.2	P	P	03 47 59.0	+0.1

SKAG	Skagway	87.60	35.3	eP	P	03 48 00.2	+1.2
P47A	Martinsville	87.69	31.6	P	P	03 47 59.3	-0.5
Q48A	North Vernon	87.74	31.6	P	P	03 48 00.0	-0.1
S50A	Richmond	87.76	31.4	P	P	03 48 00.4	+0.1
R49A	Shelbyville	87.83	31.5	P	P	03 48 00.4	-0.1
N44A	Piper City	87.89	31.8	P	P	03 48 00.4	-0.4
L42A	Oliver, Polo	87.91	32.0	P	P	03 48 00.5	-0.3
M43A	Waltham Townsh	87.91	31.9	P	P	03 48 00.5	-0.3
T51A	Gray	87.94	31.3	P	P	03 48 01.6	+0.5
DLBC	Dease Lake	87.95	35.0	eP	P	03 48 02.5	+1.7
U52A	Thorn Hill	87.95	31.3	P	P	03 48 01.3	+0.1
NHSC	New Hope	87.96	30.8	P	P	03 48 01.5	+0.3
PAULI	Pauline	87.97	31.1	eP	P	03 48 02.6	+1.4
PAULI	Pauline	87.97	31.1	eP	P	03 48 02.6	+1.4
PAULI	Tazewell	87.97	31.3	eP	P	03 48 03.5	+0.4
J39A	Decorah	88.06	32.2	P	P	03 48 01.9	+0.4
V53A	Saluda	88.06	31.2	P	P	03 48 02.1	+0.3
K40A	Colesburg	88.21	32.1	P	P	03 48 01.9	-0.4
L41A	Preston	88.31	32.1	P	P	03 48 02.5	-0.3
U51A	La Follette	88.36	31.3	P	P	03 48 03.7	+0.6
V52A	Sevierville	88.45	31.2	P	P	03 48 03.7	+0.2
T50A	Nancy	88.45	31.4	P	P	03 48 03.5	0.0
O44A	Mansfield	88.51	31.8	P	P	03 48 03.6	-0.1
P45A	Greeland, Par	88.52	31.7	P	P	03 48 03.8	+0.1
WCI	Wyandotte Cave	88.54	31.6	eP	P	03 48 04.0	+0.2
WCI	Wyandotte Cave	88.54	31.6	eP	P	03 48 04.1	+0.2
WCI	Wyandotte Cave	88.54	31.6	eP	P	03 48 04.2	+0.3
WCI	Wyandotte Cave	88.54	31.6	eP	P	03 48 04.2	+0.3
BG3	Lak Jocassee	88.57	31.1	eP	P	03 48 04.7	+0.6
W53A	Cullowhee	88.60	31.2	P	P	03 48 04.4	0.0
R47A	Woody Knot Far	88.63	31.6	P	P	03 48 04.6	+0.3
L40A	Anamosa	88.70	32.1	P	P	03 48 04.8	+0.2
S48A	Wiedeman Farm,	88.77	31.5	P	P	03 48 05.5	+0.5
U50A	Jamestown	88.85	31.3	P	P	03 48 05.7	+0.2
P44A	Sand Creek, Wi	89.06	31.8	P	P	03 48 06.5	+0.2
X53A	Estanolee	89.11	31.1	P	P	03 48 06.7	0.0
Y54A	Tignal	89.13	31.0	P	P	03 48 07.1	+0.3
W52A	Waco, SNR=8.1	89.13	31.2	P	P	03 48 06.8	0.0
Q45A	Warren Harvey,	89.18	31.7	P	P	03 48 06.7	-0.2
CPCT	Cooper Cave	89.28	31.3	eP	P	03 48 07.7	+0.3
BDFB	Brasilia	89.33	25.1	P	P	03 48 10.2	+2.3
BDFB	Brasilia	89.33	25.1	eP	P	03 48 10.2	+2.3
BDFB	Brasilia	89.33	25.1	eP	P	03 48 09.2	+1.2
BDFB	Brasilia	89.33	25.1	eP	P	03 48 09.2	+1.2
T48A	Bowling Green	89.33	31.5	P	P	03 48 07.4	-0.2
X52A	Dahlonega	89.43	31.2	P	P	03 48 08.4	+0.2
P43A	Skaggs, Pawnee	89.45	31.8	P	P	03 48 08.0	-0.1
K37A	Belmond	89.46	32.3	P	P	03 48 08.1	-0.1
V50A	Pikeville	89.49	31.3	P	P	03 48 08.6	+0.2
Z54A	Sparta	89.62	31.0	P	P	03 48 09.5	+0.4
R45A	Skyler, Fairir	89.66	31.7	P	P	03 48 08.9	-0.2
Q44A	Meyer Farm, Va	89.67	31.7	P	P	03 48 09.1	-0.1
Y53A	Monroe	89.71	31.1	P	P	03 48 09.6	+0.1
155A	Kite	89.77	30.9	P	P	03 48 10.1	+0.4
T47A	Sharon Grove	89.84	31.5	P	P	03 48 09.4	-0.6
O41A	Passleys Farm,	89.88	31.9	P	P	03 48 09.7	-0.4
GOGA	Godfrey	89.92	31.0	P	P	03 48 10.6	+0.1
DGMT	Dagmar	89.92	33.2	eP	P	03 48 11.5	+1.3
DGMT	Dagmar	89.92	33.2	P	P	03 48 10.2	0.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CONN Conception, CNGN Cerro Negro, BOAB BOACO BROADBAND, etc.

MOS 19 04:04:50.5-1.2, 51.59N-95.94E, h14km, mb3.9/1, 1C-1D, Error ellipse: s-maj=15.1km s-min=11.7km az=134.9, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KZLR Kyzyl, KNGR Kungurtug, ERNS Erzin, etc.

GII 19 04:05:09.0-0.0, 32.34N-31.46E, h1km, MD2.6/2 HLW 19 04:05:09.7, 32.43N-31.34E, h10km, 17km, ML2.9

ISC 19 04:05:12.1-2.9, 32.37N-31.33E, 0.1, h35km, n16, c0560/27, Eastern Mediterranean Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GLL Jalalah, SUZ Suez, AMAZ Amatzia, etc.

NIED 19 04:10:00.36:50N:140:60E, h56km, Mw3.8 Best double couple: M=6.520000, 1014 NP1=81.400000, 823.000000, 1.80.000000, NP2=81.400000, 867.000000, 1.84.000000

ISCJB 19 04:10:47.3-0.5, 36:47N:0:34:100:66E:0:05, h62km, 3km, mb3.8/10, Error ellipse: s-maj=7.1km s-min=5.1km

JMA 19 04:10:48.0-4.0, 36:45N:140:60E, h56km, 1km, M3.6 Broad-band fault plane solution: P waves: NP1: p=13.00000, 865.00000, 1.90.00000, NP2: p=194.00000, 825.00000, 1.91.00000, Principal axes: T P1g70.00000, Azm282.00000, N P1g0.00000, Azm13.00000, P P1g20.00000, Azm103.00000

JMA Felt II J1, IDC 19 04:10:50.8-2.4, 36:43N:140:50E, h81km, 20km, mb3.6/10, mb1 3.7/13, mb1mx3.5/45, mbtmp3.9/13, MS3.0/6, Ms1 3.0/6, ms1mx2.7/44 Error ellipse: s-maj=25.4km s-min=9.5km az=63.0

ISC 19 04:10:48.3-0.8, 36:49N:0:04:140:63E:0:05, h55km, 6km, n38, c195/41, mb3.7/10, MS3.2/4, 2C-6D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JHO Hitachi, JHU Hitachinakayam, JHYU Hitachi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KSRS Korea Array, MA2 Masapad, SONM Songino Array, etc.

DDA 19 04:16:05.4, 35:86N-28:44E, h23km, M1.3 ISK 19 04:16:05.6, 35:88N-28:49E, h7km, ML2.8/12 THE 19 04:16:06.7, 35:89N-28:46E, h0km, 1km, ML2.7/4, Error ellipse: s-maj=1.9km s-min=1.2km az=182.0

ATH 19 04:16:06.5, 35:92N-28:44E, h21km, 1km, ML2.5/3, Error ellipse: s-maj=2.4km s-min=0.9km az=2.0

ISC 19 04:16:06.7, 35:89N-28:49E:0:02, h12km, gkm, n50, c0917/1, Eastern Mediterranean Sea

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

IDC 19 04:19:17.7-1.5, 38:16N:143:03E, h0km, mb3.3/2, mb1 3.9/3, mb1mx3.4/34, mbtmp3.3/3, ML3.1/1, MS3.8/2, Ms1 3.8/2, ms1mx2.8/32, Error ellipse: s-maj=71.5km s-min=27.8km az=125.0

JMA 19 04:19:20.6-0.1, 38:93N:142:36E, h31km, 2km, M3.4 ISC 19 04:19:16.3-2.1, 38:80N:0:05:142:48E:0:08, h2km, 12km, n22, c162/24, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like OFUJ Ofunato, OFUJ Ofunato, JIO Ouro, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JTH Tanohata, JOU Okura, JRG Rokugo, etc.

NINC 19 04:23:35.3-3.4, 44:19N:83:22E, h0km, mb3.0, mpv2.6, Error ellipse: s-maj=28.8km s-min=12.2km az=125.0

SOME 19 04:23:41.6, 44:33N:82:75E, h10km ISC 19 04:23:29.5-4.6, 43:93N:0:2:83:8E:0:02, h17km, n6, c0987/9, 3C-30, Northern Xinjiang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KTMS Ketmen, DJR Jarkent, DJR Jarkent, etc.

IDC 19 04:32:00.5-0.9, 12:55N:143:90E, h0km, mb3.4/5, mb1 3.7/5, mb1mx3.5/47, mbtmp3.4/5, MS2.9/1, Ms1 3.1/1, ms1mx2.5/36, Error ellipse: s-maj=39.5km s-min=18.7km az=15.0

ISCJB 19 04:32:02.3-0.8, 12:56N:0:2:144:0E:0:2, h27km, mb3.4/5, MS2.9/1, Error ellipse: s-maj=36.7km s-min=9.7km az=34.2

ISC 19 04:32:04.0-1.0, 12:55N:0:2:144:1E:0:03, h27km, n14, c117/8, mb3.6/5, South of Marathia, Indus

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

BEO 19 04:40:26.3-1.2, 39:83N:19:39E, h1km, 6km, ML2.8/6 TIR 19 04:40:29.8, 40:03N:19:86E, h18km, Md3.2/5

THE 19 04:40:30.4, 40:06N:19:90E, h2km, 1km, ML2.6/7, Error ellipse: s-maj=1.6km s-min=0.5km az=238.0

ATH 19 04:40:30.1, 40:06N:19:88E, h16km, ML2.7/13, Error ellipse: s-maj=1.1km s-min=0.8km az=195.0

PDG 19 04:40:31.4-0.3, 40:13N:19:88E, h3km, ML3.0/11, Error ellipse: s-maj=0.5km s-min=0.9km az=0.0

ISC 19 04:40:30.1-0.8, 40:06N:0:01:19:86E:0:02, h14km, 6km, n98, c192/153, 8C-5D, Albania

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

Table with columns: JAN, comp=N, 1592um, 0.4s, AML, AML, 04 41 03.5, etc. Lists various stations and their parameters.

Table with columns: Dyr, Agios Nikonas, 3.82 149 P, Pn, 04 41 30.6 +2.1, etc. Lists various stations and their parameters.

Table with columns: KURBB, Kurchatov Arra, 8.93 331 P, Pn, 04 43 50.7 +0.7, etc. Lists various stations and their parameters.

Table with columns: Station, Name, Frequency, Mode, Power, and other details. Includes stations like MBWA Marble Bar, SBA Scott Base, VVND Vanda, etc.

Table with columns: Station, Name, Frequency, Mode, Power, and other details. Includes stations like SZCU Shurtz Canyon, WUAZ Wupatki, PKCU Pin Creek, etc.

Table with columns: Station, Name, Frequency, Mode, Power, and other details. Includes stations like SNAW Sanae, SNAU Sanae, SNAV Sanae, etc.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details for stations in the 19d 5h range.

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details for stations in the 2012 OCT range.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details for stations in the 890 range.

Table with columns: WHZ, Wether Hill Ro, 9.29 217, ePn, Pn, 06 44 23.1 -3.4, etc. Includes various station codes and coordinates.

Table with columns: TOA1, CLL, Collm, 162.70 322, ePKPab, PKPab, 07 02 14.7 -0.7, etc. Includes station codes and coordinates.

Table with columns: OPAM, TEL3, Telica 3, 1.64 738, eS, Sn, 07 43 12.9 -1.3, etc. Includes station codes and coordinates.

19d 10h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s, ISC. Includes stations like ASAR Alice Springs, Vanda, ILAR, CPUP, LPAZ.

ISCJB 19 09:48:23.5:0.9, 1.8N, 0.2E, 127.9E:0.2, h69km, mb3.8/7, Error ellipse: s-maj=33.3km s-min=10.8km az=43.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s, ISC. Includes stations like STKA Stephens Creek, MKAR Makanchi Array, KURBS Kurchatov Arra, VANDA, MAW Mawson.

ISC 19 10:10:00.8:1.5, 3.52S, 140.61E, h0km, mb3.5/2, mb1 3.6/3, mb1mx3.3/37, mbtmp3.4/3, ML3.1/1, Error ellipse: s-maj=117.0km s-min=15.9km az=97.0, Irian Jaya

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s, ISC. Includes stations like JAY Jayapura, WRA Warrungarra Arr, ASAR Alice Springs, STKA Stephens Creek.

SIK 19 10:13:28.0:27.0, 42.1N, 1.2E, h0km, ML2.7, Error ellipse: s-maj=476.2km s-min=294.2km az=121.0

SAR 19 10:13:43.1:0.6, 43.06N, 20.18E, h6km, 3km, ML2.0/9, PDG 19 10:13:43.9:0.1, 43.02N, 20.08E, h5km, 3km, ML2.0/11, Error ellipse: s-maj=0.3km s-min=0.7km az=0.0

BE0 19 10:13:43.0:0.5, 43.07N, 20.26E, h0km, ML2.0/9, ISC 19 10:13:40.6:1.0, 43.03N, 20.02E, h69km, 9km, n54, c087/91, 8C-15D, Northwestern Balkan Peninsula

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s, ISC. Lists numerous stations in the Balkan Peninsula region like Sjenica, Berane, Iva, Pejje, Plav, Smrekonice, Ivanjica, Kolasin, Zatriq, ZATK, Selova, Pilevija, Gruza, Podgorica, Niksic, Unac-Piva, etc.

2012 OCT

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s, ISC. Includes stations like MDRV Moldovita, FRGS Fruska Gora, VTS Vitosh, BZS Buzias, GZR Gura Zlata, DRGR.

BUI 19 10:13:52.3:9.3, 37S, 66.56E, h8km, mb4.8/36, mB5.0/25, Ms5.0/23, Ms7.4/24

ISCJB 19 10:13:52.9:0.2, 9.30S, 0.04E, 67.06E:0.03, h10km, mb4.7/19, MS4.9/137, Error ellipse: s-maj=5.8km s-min=4.6km az=177.0

IDC 19 10:13:53.0:4.9, 31S, 67.00E, h0km, mb4.4/40, mb1 4.5/40, mb1mx4.4/62, mbtmp4.4/40, MS4.6/28, Ms1.4/628, ms1mx4.6/28, Error ellipse: s-maj=12.0km s-min=11.0km az=26.0

MOS 19 10:13:53.3:1.4, 9.24S, 66.98E, h9km, mb5.1/33, MS4.7/15, Error ellipse: s-maj=10.2km s-min=6.6km az=104.7

NEIC 19 10:13:55.0:0.2, 9.29S, 67.06E, h10km, mb4.8/42, MS5.0/92, Error ellipse: s-maj=6.9km s-min=6.3km az=175.0

GCMT 19 10:13:58.0:0.1, 9.28S, 0.01E, 66.94E:0.01, h18km, MW5.6/137, Moment Tensor Solution, s110 c188, i137 c344, Duration: 1s, Moment tensor: Scale 1017 Nm, M1: -0.30E, M2: -2.88E, M3: 1.8E, M4: 0.64E, M5: 0.51E, M6: 0.64E, M7: 0.64E, M8: 0.64E, M9: 0.64E, M10: 0.64E, M11: 0.64E, M12: 0.64E, M13: 0.64E, M14: 0.64E, M15: 0.64E, M16: 0.64E, M17: 0.64E, M18: 0.64E, M19: 0.64E, M20: 0.64E, M21: 0.64E, M22: 0.64E, M23: 0.64E, M24: 0.64E, M25: 0.64E, M26: 0.64E, M27: 0.64E, M28: 0.64E, M29: 0.64E, M30: 0.64E, M31: 0.64E, M32: 0.64E, M33: 0.64E, M34: 0.64E, M35: 0.64E, M36: 0.64E, M37: 0.64E, M38: 0.64E, M39: 0.64E, M40: 0.64E, M41: 0.64E, M42: 0.64E, M43: 0.64E, M44: 0.64E, M45: 0.64E, M46: 0.64E, M47: 0.64E, M48: 0.64E, M49: 0.64E, M50: 0.64E, M51: 0.64E, M52: 0.64E, M53: 0.64E, M54: 0.64E, M55: 0.64E, M56: 0.64E, M57: 0.64E, M58: 0.64E, M59: 0.64E, M60: 0.64E, M61: 0.64E, M62: 0.64E, M63: 0.64E, M64: 0.64E, M65: 0.64E, M66: 0.64E, M67: 0.64E, M68: 0.64E, M69: 0.64E, M70: 0.64E, M71: 0.64E, M72: 0.64E, M73: 0.64E, M74: 0.64E, M75: 0.64E, M76: 0.64E, M77: 0.64E, M78: 0.64E, M79: 0.64E, M80: 0.64E, M81: 0.64E, M82: 0.64E, M83: 0.64E, M84: 0.64E, M85: 0.64E, M86: 0.64E, M87: 0.64E, M88: 0.64E, M89: 0.64E, M90: 0.64E, M91: 0.64E, M92: 0.64E, M93: 0.64E, M94: 0.64E, M95: 0.64E, M96: 0.64E, M97: 0.64E, M98: 0.64E, M99: 0.64E, M100: 0.64E, M101: 0.64E, M102: 0.64E, M103: 0.64E, M104: 0.64E, M105: 0.64E, M106: 0.64E, M107: 0.64E, M108: 0.64E, M109: 0.64E, M110: 0.64E, M111: 0.64E, M112: 0.64E, M113: 0.64E, M114: 0.64E, M115: 0.64E, M116: 0.64E, M117: 0.64E, M118: 0.64E, M119: 0.64E, M120: 0.64E, M121: 0.64E, M122: 0.64E, M123: 0.64E, M124: 0.64E, M125: 0.64E, M126: 0.64E, M127: 0.64E, M128: 0.64E, M129: 0.64E, M130: 0.64E, M131: 0.64E, M132: 0.64E, M133: 0.64E, M134: 0.64E, M135: 0.64E, M136: 0.64E, M137: 0.64E, M138: 0.64E, M139: 0.64E, M140: 0.64E, M141: 0.64E, M142: 0.64E, M143: 0.64E, M144: 0.64E, M145: 0.64E, M146: 0.64E, M147: 0.64E, M148: 0.64E, M149: 0.64E, M150: 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0.64E, M228: 0.64E, M229: 0.64E, M230: 0.64E, M231: 0.64E, M232: 0.64E, M233: 0.64E, M234: 0.64E, M235: 0.64E, M236: 0.64E, M237: 0.64E, M238: 0.64E, M239: 0.64E, M240: 0.64E, M241: 0.64E, M242: 0.64E, M243: 0.64E, M244: 0.64E, M245: 0.64E, M246: 0.64E, M247: 0.64E, M248: 0.64E, M249: 0.64E, M250: 0.64E, M251: 0.64E, M252: 0.64E, M253: 0.64E, M254: 0.64E, M255: 0.64E, M256: 0.64E, M257: 0.64E, M258: 0.64E, M259: 0.64E, M260: 0.64E, M261: 0.64E, M262: 0.64E, M263: 0.64E, M264: 0.64E, M265: 0.64E, M266: 0.64E, M267: 0.64E, M268: 0.64E, M269: 0.64E, M270: 0.64E, M271: 0.64E, M272: 0.64E, M273: 0.64E, M274: 0.64E, M275: 0.64E, M276: 0.64E, M277: 0.64E, M278: 0.64E, M279: 0.64E, M280: 0.64E, M281: 0.64E, M282: 0.64E, M283: 0.64E, M284: 0.64E, M285: 0.64E, M286: 0.64E, M287: 0.64E, M288: 0.64E, M289: 0.64E, M290: 0.64E, M291: 0.64E, M292: 0.64E, M293: 0.64E, M294: 0.64E, M295: 0.64E, M296: 0.64E, M297: 0.64E, M298: 0.64E, M299: 0.64E, M300: 0.64E, M301: 0.64E, M302: 0.64E, M303: 0.64E, M304: 0.64E, M305: 0.64E, M306: 0.64E, M307: 0.64E, M308: 0.64E, M309: 0.64E, M310: 0.64E, M311: 0.64E, M312: 0.64E, M313: 0.64E, M314: 0.64E, M315: 0.64E, M316: 0.64E, M317: 0.64E, M318: 0.64E, M319: 0.64E, M320: 0.64E, M321: 0.64E, M322: 0.64E, M323: 0.64E, M324: 0.64E, M325: 0.64E, M326: 0.64E, M327: 0.64E, M328: 0.64E, M329: 0.64E, M330: 0.64E, M331: 0.64E, M332: 0.64E, M333: 0.64E, M334: 0.64E, M335: 0.64E, M336: 0.64E, M337: 0.64E, M338: 0.64E, M339: 0.64E, M340: 0.64E, M341: 0.64E, M342: 0.64E, M343: 0.64E, M344: 0.64E, M345: 0.64E, M346: 0.64E, M347: 0.64E, M348: 0.64E, M349: 0.64E, M350: 0.64E, M351: 0.64E, M352: 0.64E, M353: 0.64E, M354: 0.64E, M355: 0.64E, M356: 0.64E, M357: 0.64E, M358: 0.64E, M359: 0.64E, M360: 0.64E, M361: 0.64E, M362: 0.64E, M363: 0.64E, M364: 0.64E, M365: 0.64E, M366: 0.64E, M367: 0.64E, M368: 0.64E, M369: 0.64E, M370: 0.64E, M371: 0.64E, M372: 0.64E, M373: 0.64E, M374: 0.64E, M375: 0.64E, M376: 0.64E, M377: 0.64E, M378: 0.64E, M379: 0.64E, M380: 0.64E, M381: 0.64E, M382: 0.64E, M383: 0.64E, M384: 0.64E, M385: 0.64E, M386: 0.64E, M387: 0.64E, M388: 0.64E, M389: 0.64E, M390: 0.64E, M391: 0.64E, M392: 0.64E, M393: 0.64E, M394: 0.64E, M395: 0.64E, M396: 0.64E, M397: 0.64E, M398: 0.64E, M399: 0.64E, M400: 0.64E, M401: 0.64E, M402: 0.64E, M403: 0.64E, M404: 0.64E, M405: 0.64E, M406: 0.64E, M407: 0.64E, M408: 0.64E, M409: 0.64E, M410: 0.64E, M411: 0.64E, M412: 0.64E, M413: 0.64E, M414: 0.64E, M415: 0.64E, M416: 0.64E, M417: 0.64E, M418: 0.64E, M419: 0.64E, M420: 0.64E, M421: 0.64E, M422: 0.64E, M423: 0.64E, M424: 0.64E, M425: 0.64E, M426: 0.64E, M427: 0.64E, M428: 0.64E, M429: 0.64E, M430: 0.64E, M431: 0.64E, M432: 0.64E, M433: 0.64E, M434: 0.64E, M435: 0.64E, M436: 0.64E, M437: 0.64E, M438: 0.64E, M439: 0.64E, M440: 0.64E, M441: 0.64E, M442: 0.64E, M443: 0.64E, M444: 0.64E, M445: 0.64E, M446: 0.64E, M447: 0.64E, M448: 0.64E, M449: 0.64E, M450: 0.64E, M451: 0.64E, M452: 0.64E, M453: 0.64E, M454: 0.64E, M455: 0.64E, M456: 0.64E, M457: 0.64E, M458: 0.64E, M459: 0.64E, M460: 0.64E, M461: 0.64E, M462: 0.64E, M463: 0.64E, M464: 0.64E, M465: 0.64E, M466: 0.64E, M467: 0.64E, M468: 0.64E, M469: 0.64E, M470: 0.64E, M471: 0.64E, M472: 0.64E, M473: 0.64E, M474: 0.64E, M475: 0.64E, M476: 0.64E, M477: 0.64E, M478: 0.64E, M479: 0.64E, M480: 0.64E, M481: 0.64E, M482: 0.64E, M483: 0.64E, M484: 0.64E, M485: 0.64E, M486: 0.64E, M487: 0.64E, M488: 0.64E, M489: 0.64E, M490: 0.64E, M491: 0.64E, M492: 0.64E, M493: 0.64E, M494: 0.64E, M495: 0.64E, M496: 0.64E, M497: 0.64E, M498: 0.64E, M499: 0.64E, M500: 0.64E, M501: 0.64E, M502: 0.64E, M503: 0.64E, M504: 0.64E, M505: 0.64E, M506: 0.64E, M507: 0.64E, M508: 0.64E, M509: 0.64E, M510: 0.64E, M511: 0.64E, M512: 0.64E, M513: 0.64E, M514: 0.64E, M515: 0.64E, M516: 0.64E, M517: 0.64E, M518: 0.64E, M519: 0.64E, M520: 0.64E, M521: 0.64E, M522: 0.64E, M523: 0.64E, M524: 0.64E, M525: 0.64E, M526: 0.64E, M527: 0.64E, M528: 0.64E, M529: 0.64E, M530: 0.64E, M531: 0.64E, M532: 0.64E, M533: 0.64E, M534: 0.64E, M535: 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Table with columns for call sign, frequency, power, and other technical details. Includes stations like MJAR, QSPA, HFS, KLR, etc.

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Table with columns for Code, Station Name, Azimuth, Phase, ID, Time, and Residual. Includes stations like SKR, PAU, KDR, etc.

ISK 19 10:55:43.9, 40:15N, 33:37E, h9km, ML 1.9/6
DDA 19 10:55:44.9, 40:11N, 33:45E, h7km, ML 2.8
ISC 19 10:55:44.1, 3, 40:15N, 0:03, 33:39E, 0.04, h2km, 12km,

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for CTAK, ILGA, ILGA, DKIM, etc.

ISCJJB 19 13:04:01.6 0.6 8.47S:0.09:159.00E:0.8km, h111km, mb3.9/10, Error ellipse: s-maj=14.6km s-min=9.4km az=39.2

IDC 19 13:04:02.4 1.3 8.52S:159.08E, h108km, 14km, mb3.9/10, mb1.4/0.1, mb1mx3.8/36, mbtmp4.2/11, MS3.4/2, Ms1.3/4.2, ms1mx2.7/32, Error ellipse: s-maj=21.8km s-min=16.5km az=138.0

ISC 19 13:04:02.7 0.7 8.55S:0.1:159.1E:0.1, h111km, n17, 0.089/20, mb4.0/10, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for HNR, HNR, HNR, HNR, etc.

IDC 19 13:17:27.2 0.7 51.78N:175.41W, h0km, mb3.8/12, mb1.4/1.4, mb1mx3.8/41, mbtmp3.9/14, ML4.0/2, MS2.7/3, Ms1.2/7.3, ms1mx2.5/42, Error ellipse: s-maj=24.6km s-min=12.4km az=146.0

ISCJJB 19 13:17:32.6 0.5 51.66N:0.08:175.21W:0.05, h47km, mb3.9/15, MS2.5/2, Error ellipse: s-maj=12.2km s-min=3.4km az=167.7

NEIC 19 13:17:32.6 0.0 51.60N:175.26W, h26km, mb3.9/2, ML4.0/1(C), MS2.5/2, Error ellipse: s-maj=24.6km, n55, 0.094/54, mb3.8/15, Andronof Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for GSMY, GSTD, GSPS, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for H1S3, NEW, NVAR, KSRS, etc.

MEX 19 13:28:23.7 0.8 18.18N:103.54W, h5km, MD3.9, Near coast of Michoacan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for MMIG, R15V, R15V, etc.

IDC 19 13:34:31.9 1.1 1.46N:93.03E, h0km, mb3.6/4, mb1.3/8.6, mb1mx3.5/49, mbtmp3.6/6, ML3.8/2, Error ellipse: s-maj=44.4km s-min=22.8km az=58.0

ISCJJB 19 13:34:35.0 1.3 1.50N:0.1:93.1E:0.1, h33km, mb3.7/4, Error ellipse: s-maj=20.6km s-min=14.2km az=11.1

ISC 19 13:34:37.0 1.6 1.50N:0.2:93.1E:0.1, h35km, n6, 0.15/17, mb3.6/4, Off west coast of northern Sumatara

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for PSI, PSI, CMAR, etc.

MEX 19 14:13:58.5 0.3 17.06N:100.17W, h39km, 2gkm, MD3.6, Guerrero

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for CAIG, CAIG, MEIG, etc.

DDA 19 14:45:09.9 38.89N:27.92E, h7km, ML2.5

ISCJJB 19 14:45:10.8 0.6 38.88N:0.03:27.92E:0.05, h16km, 14km, Error ellipse: s-maj=6.5km s-min=6.2km az=167.0

ISC 19 14:45:10.1 38.82N:27.92E, h19km, ML2.4/4

ISC 19 14:45:10.2 1.3 38.88N:0.03:27.91E:0.04, h14km, 10km, n13, 0.094/20, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for STEP, STEP, MANT, etc.

ISCJJB 19 14:52:39.5 1.5 14.3N:0.1:92.02W:0.07, h92km, 7km, mb3.8/6, Error ellipse: s-maj=26.1km s-min=8.7km az=19.2

MEX 19 14:52:42.0 0.5 14.36N:91.93W, h77km, 13km, MD4.0

IDC 19 14:52:43.2 1.1 14.56N:91.92W, h98km, 13km, mb3.6/6, mb1.3/8.8, mb1mx3.6/32, mbtmp3.9/8, MS2.8/2, Ms1.2/9.2, ms1mx2.5/23, Error ellipse: s-maj=32.9km s-min=9.3km az=21.0

ISC 19 14:52:40.9 1.3 14.44N:0.1:91.96W:0.07, h82km, 9km, n18, 0.180/27, mb4.0/6, Guatemala

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for THIG, THIG, APG, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for TXAR, TXAR, TKL, etc.

ISCJJB 19 14:55:53.6 0.9 9.20S:0.07:108.81E:0.07, h27km, mb3.6/8, Error ellipse: s-maj=12.5km s-min=6.5km az=38.5

IDC 19 14:55:53.9 1.4 8.22S:109.82E, h0km, mb3.7/5, mb1.3/8.6, mb1mx3.5/27, mbtmp3.7/6, ML3.5/1, Error ellipse: s-maj=80.0km s-min=17.3km az=42.0

DJA 19 14:55:56.9 1.4 9.5S:12.0:109.9E:1, h30km, 24km, M3.9/7, ML3.9/7

ISC 19 14:55:55.3 1.2 9.15S:0.1:108.83E:0.08, h27km, n12, 0.088/16, mb4.0/5, South of Jawa

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for CMJI, CMJI, CMIJ, etc.

MAN 19 15:10:15.9 8.94N:122.41E, h41km, mb4.3, ML3.1, MS2.8, 1C, Negros

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for GUIM, GUIM, LLP, etc.

ISCJJB 19 15:31:28.6 1.2 18.4S:0.2:168.9E:0.2, h200km, mb4.0/9, Error ellipse: s-maj=34.2km s-min=16.3km az=40.2

IDC 19 15:31:32.2 3.0 18.73S:168.99E, h226km, 33km, mb3.8/8, mb1.4/0.9, mb1mx3.5/42, mbtmp4.4/9, MS2.4/1, Ms1.2/4.1, ms1mx2.4/32, Error ellipse: s-maj=50.0km s-min=20.8km az=148.0

ISC 19 15:31:29.7 1.2 18.33S:0.2:169.0E:0.2, h200km, n11, 0.25/11, mb4.0/9, Vanuatu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for DZM, DZM, DZM, etc.

ISCJJB 19 15:34:08.2 0.1 30.82S:0.02:176.75W:0.03, h31km, mb5.9/1, MS4.8/131, Error ellipse: s-maj=4.2km s-min=1.8km az=28.9

MOS 19 15:34:09.3 1.3 30.52S:176.68W, h33km, mb3.7/37, MS4.8/22, Error ellipse: s-maj=11.4km s-min=8.8km az=114.8

NEIC 19 15:34:09.8 0.3 30.81S:176.80W, h35km, mb5.5/48, MS4.8/92, Error ellipse: s-maj=9.4km s-min=5.2km az=118.0

BUI 19 15:34:11.3 30.70S:177.60W, h35km, mb5.5/41, mb5.7/34, MS5.2/24, Ms7.4/9.20

GCMT 19 15:34:12.8 0.1 30.52S:0.01:176.51W:0.01, h46km, MW5.3/116, Moment Tensor Solution, s110c179, s116c182, Duration: 1s1 Moment tensor: Scale 1017 Nm; Mr:1.05e;02; Mr:0.54e;02; Ms:0.51e;02; Ms:0.35e;01; Ms:0.56e;01; Ms:0.38e;01; Best double cutoff: 1ml.18600x1017 NP1:~44.00000, ~58.00000, ~78.00000, NP2:~227.00000, ~32.00000, ~39.00000, Principal axes: T: 1.700, P1:77.0000, Azm:309.0000; N: 0.0320, P1:1.0000, Azm:45.0000; P: -1.2020, P1:13.0000, Azm:135.0000; nst1 refers to body waves, cutoffs=40s. nst2 refers to surface waves, cutoffs=50s. Triangular moment-rate function

IDC 19 15:34:15.9 0.5 30.46S:176.89W, h78km, 4km, mb5.1/29, Error ellipse: s-maj=12.5km s-min=6.5km az=38.5

mb1 5.1/29,mb1mx5.1/35,mbtmp5.3/29,MS4.5/26, Ms1 4.5/26,ms1mx4.4/32 Error ellipse: s-maj=11.9km s-min=10.8km az=21.0

ISC 19:15:34:10.8:0.4:30.795:0.003:176.65W:0.004:h46km,2km, h46km;pp-P,n869,r1963/813,mb5.6/89,MS4.8/131, 93C-22D, Kermadec Islands region

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time, Residual (Res), and ISC. Lists seismic stations and their recorded data.

Table with columns: Station Name, Azimuth (AZ), Phase ID, Time, Residual (Res), and ISC. Lists seismic stations and their recorded data.

Table with columns: Station Name, Azimuth (AZ), Phase ID, Time, Residual (Res), and ISC. Lists seismic stations and their recorded data.

19d 15h

Table with columns for station name, coordinates, and various parameters (PKP, PKPbc, etc.). Includes stations like ANN Anapa, URFA Urfa, ISAL Salakas, etc.

2012 OCT

Table with columns for station name, coordinates, and various parameters (DRGR, LTVH, etc.). Includes stations like DRGR L'atv'rites, LTVH Strazhica, DPC Dobruska-Polom, etc.

904

Table with columns for station name, coordinates, and various parameters (BFO, KRUS, etc.). Includes stations like BFO Black Forest, KRUS Krusevo, BLY Banja Luka, etc.

ISCJBJ 19 15:41:01.8±0.5, 49°38'N, 0°08:145E±0.2, h600km, mb3.6/14, Error ellipse: s-maj=15.9km s-min=8.8km az=21.4

IDC 19 15:41:02.1±1.4, 49°35'N, 145°35'E, h587km, 19km, mb3.1/14, mb1 3.3/19, mb1mx3.1/4, mbtm4.1/1, 19/ Error ellipse: s-maj=14.1km s-min=8.9km az=108.0

ISC 19 15:41:02.7±0.7, 49°32'N, 0°10:145E±0.1, h600km, n23, ±0°73'24, mb3.8/14, Sea of Okhotsk

Table with columns for Code, Station Name, A, AZ, P, phase ID, Time, Res, h, m, s, ISC. Includes stations like ASAJ Asahikawa, SEY Seymchan, MJAR Matsushiro Arr, etc.

NEIC 19 15:42:47.0±0.0, 7°48'S, 80°20'W, h30km, mb4.1/3, ML4.3(ARE), After ARE. NEIC Felt [I] at Chiclayo.

ISC 19 15:42:48.3±2.5, 7°35'01.79'S, 80°04.4, h35km, n8, ±0°13'17, After east of northern Peru

Table with columns for Code, Station Name, A, AZ, P, phase ID, Time, Res, h, m, s, ISC. Includes stations like NNA Nana, NNA Otavalo, etc.

19d 17h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like PYUN, MKAR, DANN, KOLN, GKN, AB31, AB31, DMN, KKN, KURBB, PKIN, PKI, GUN, JIRN, RAMN, AKTO, ZALV, ARCES, NB2, NOA, TORD, WRA, ASAR, etc.

2012 OCT

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like ISCJB, NEIC, ISC, etc. Includes detailed station information and coordinates.

906

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like NEIC, GCMT, etc. Includes detailed station information and coordinates.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SUMG Summit, LRM Limekiln Ridge, NV01 Mina Array Sit, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Panayurishte, Moldovita, Rozhen, Kasperske Hory, etc.

Code Station Name Az Az' Phase ID Time Res ISC
URZ Urewera 6.79 208 Pn Pn 17 32 48.2 -0.1
ASAR Alice Springs 42.30 269 P P 17 39 03.0 0.0

MEX 19 18:07:12.2, 0.7, 16.17N:98.17W, h16km, 64km, MD3.9, Near coast of Guerrero

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AAGR Agrelo, ROCH El Roble, RCTV Cerro Valdivia, etc.

SJA 19 18:27:34.7, 0.4, 32.42S:70.17W, h106km, 4km, ML2.8, MW3.4
ISCJBJ 19 18:27:35.5, 1.5, 32.47S:70.04W:0.05, h111km, 14km, Error ellipse: s-maj=7.4km s-min=6.3km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Uspallata, Peidehue, Farellones, Cerro Calan, etc.

IDC 19 18:37:30.4, 1.3, 23.07S:114.76W, h0km, mb3.9/5, mb1.4/2.5, mb1mx3.9/30, mbmt3.9/5, MS3.9/8, M1 3.9/8, ms1mx3.6/2.1, Error ellipse: s-maj=40.3km s-min=36.9km

ISCJBJ 19 18:37:32.0, 1.1, 22.8S:0.2:114.45W:0.10, h10km, mb4.8/48, MS3.8/7, Error ellipse: s-maj=23.6km s-min=12.7km az=10.9

NEIC 19 18:37:32.4, 0.5, 23.09S:114.47W, h10km, mb4.7/35, Error ellipse: s-maj=12.8km s-min=10.4km az=189.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Rapa Nui, Rikitea, RTOE Nuku Hiva Island, etc.

IDC 19 18:45:42.4, 1.4, 29.13S:73.32W, h0km, mb1.3/7.2, mb1mx3.4/22, mbmt3.5/2.3, 4/2, Error ellipse: s-maj=62.5km s-min=45.4km az=97.0

ISCJBJ 19 18:45:46.4, 1.2, 29.56S:0.04W:0.06, h11km, 7km, Error ellipse: s-maj=9.3km s-min=6.6km az=10.9

SJA 19 18:45:48.0, 0.8, 29.65S:71.32W, h5km, 6km, ML3.8, MW3.8

GUC 19 18:45:48.1, 0.6, 29.60S:71.39W, h2km, 4km, ML4.0

ISC 19 18:45:43.2, 2.1, 29.53S:0.04W:1.78W:0.07, h4km, 11km, n3, 2/16/42, 1C-2D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like La Serena, Las Campanas, Combarbala, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like UWE Uwekahuna, AMTX Amarillo, DAC Darwin (Calif), etc.

IDC 19 18:42:53.9, 9.8, 14.88S:177.96W, h0km, mb3.7/3, mb1.4/0.3, mb1mx3.6/27, mbmt3.7/3, Error ellipse: s-maj=440.8km s-min=37.1km az=140.0, Fiji Islands region

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

IDC 19 18:45:42.4, 1.4, 29.13S:73.32W, h0km, mb1.3/7.2, mb1mx3.4/22, mbmt3.5/2.3, 4/2, Error ellipse: s-maj=62.5km s-min=45.4km az=97.0

ISCJBJ 19 18:45:46.4, 1.2, 29.56S:0.04W:0.06, h11km, 7km, Error ellipse: s-maj=9.3km s-min=6.6km az=10.9

SJA 19 18:45:48.0, 0.8, 29.65S:71.32W, h5km, 6km, ML3.8, MW3.8

GUC 19 18:45:48.1, 0.6, 29.60S:71.39W, h2km, 4km, ML4.0

ISC 19 18:45:43.2, 2.1, 29.53S:0.04W:1.78W:0.07, h4km, 11km, n3, 2/16/42, 1C-2D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like La Serena, Las Campanas, Combarbala, etc.

19d 20h

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like TDCB, EGS, ESL, CHGB, etc.

2012 OCT

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like TWK, WLBG, CHN1, etc.

912

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like KIZT, CHBY, ERBA, etc.

19d 21h

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NRN Naryn, VSR Storzhevoye, TLCR Topalu, etc.

2012 OCT

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MOA Mollin, DGZ Jazator, KBA Koelnbreinsper, etc.

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Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CHIC comp=Z,39nm,0.1s, ROSC El Rosal, HELC Santa Helena, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KPKS, TKM2, DGS, KTBS, SHLS, CHKK, PDGK, etc.

WEL 19 21:45:37.7, 39 S; 12 x 17 9E; h33km, ML3.5/19, Off east coast of North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CNGZ, PUZ, TWGZ, TKGZ, WMGZ, etc.

ISC/JB 19 22:00:15.9, 0.6, 37.27N, 0.04, 37.12E; h4km, 6km, Error ellipse: s-maj=6.7km s-min=4.0km az=28.7

ISK 19 22:00:15.2, 37.29N, 37.11E, h5km, ML2.3/8 DDA 19 22:00:16.0, 37.28N, 37.15E, h7km, ML3.1

ISC 19 22:00:15.7, 1.0, 37.28N, 0.03, 37.10E; h9km, 8km, n20, c086/30, Turkey

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

Table with columns: KMRS, KUZU, ANDN, etc. Includes stations like Kahramanmaras, Kuzuni, Andirin, etc.

PRU 19 22:00:15.4, 0.0, 50.10N, 19.26E, h0km, Poland

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

IPEC 19 22:01:04.0, 0.2, 49.83N, 18.49E, h0km, ML1.2/3, Error ellipse: s-maj=2.1km s-min=1.1km az=161.0

PRU 19 22:01:05.0, 0.0, 49.83N, 18.39E, h0km, Czech and Slovak Republics

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

BUI 19 22:10:45.5, 29.01N, 51.93E, h6km, mb4.6/25, mb4.8/15, Ms4.4/5, Ms7.4/2

TEH 19 22:10:51.6, 29.30N, 52.48E, h10km, ML4.2 ISC/JB 19 22:10:52.0, 0.1, 29.28N, 0.02, 52.48E, 0.02, h15km, mb4.5/85, Error ellipse: s-maj=3.1km s-min=2.1km az=139.4

NEIC 19 22:10:52.0, 0.0, 29.38N, 52.50E, h8km, mb4.5/42, ML4.2(THR), MN4.2(TEH), After TEH.

OMAN 19 22:10:52.7, 0.3, 29.21N, 52.27E, h10km, Error ellipse: s-maj=17.5km s-min=3.6km az=51.0

THR 19 22:10:54.0, 0.6, 29.20N, 52.40E, h43km, 9km, ML4.2, 7.29 Error ellipse: s-maj=7.6km s-min=4.9km az=112.8

DSN 19 22:10:54.7, 0.5, 29.21N, 52.50E, h15km, mb4.5/4, ML4.5/11, Error ellipse: s-maj=12.5km s-min=4.4km az=44.0

IDC 19 22:10:54.2, 2.9, 29.34N, 52.47E, h21km, 18km, mb4.2/26, mb1.4/3/30, mb1mx4.2/38, mbtmp4.3/30, ML3.7/4, MS3.3/9, Ms1.3/3/9, ms1mx3.0/39, Error ellipse: s-maj=12.5km s-min=10.7km az=163.0

ISC 19 22:10:53.3, 0.3, 29.31N, 0.04, 52.49E, 0.03, h15km, n373, c1969/370, mb4.5/94, 25C-14D, Southern Iran

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

Table with columns: IRAM, IMEH, ISAD, etc. Includes stations like Meh-z, Sadrabad, Brojen, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CPUP, LPAZ, NNA, USHA, SPB, SAML, BDFB, PTGA, SABA, VNA3, VNA1, VNA2, SNA, SNA, TEIG, QSPA, QSPA, VANDA, TXAR, SYO, SYO, LIC, TIC, KIC, DBIC, MAW, MAW, MAW, MAW, SMCO, KNB, SHPR, R11A, BOSA, PDAR, NV01, NVAR, KVN, PVRH, TORO, TORO, TORO, HLID, HLD, JOBA, LRS, WRA, ZALV, MKAR, WMQ, HMC, NJ2, LZH, LZH.

ISCJB 19 23:28:16.9:0.4, 6.84N:0.04:73.15W:0.05, h150km, mb2.8/1, Error ellipse: s-maj=6.5km s-min=6.0km az=25.2

RSNC 19 23:28:17.9:1.0, 6.81N:73.16W, h148km, 6km, ML3.5, MW4.5

ISC 19 23:28:21.2:2.7, 3.476N:76.62W, h104km, 78km, mb2.7/1, mb1.3/2, mb1mx3.0/25, mbtmp3.3/2, ML2.6/1, Error ellipse: s-maj=104.8km s-min=38.4km az=41.0

ISC 19 23:28:16.8:1.0, 6.84N:0.05:73.15W:0.05, h150km, n20, 0.080/30, 3C-1D, North Colombia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GIRON, BARC, BRRC, PAMC, RUSC, OCAC, TAMC, YOPC, ZARCO, NORC, CHIC, ROSC, ROSC, HELC, GUYC, RREF.

Table with columns: RREF, Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DBBC, TXAR, WRA, IDC, ISCJB, NEIC, ISC.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HNR, CTAO, DZM, WRAB, WRA, ASAR, ASAR, STKA, FITZ, TAU, MJAR, CMAR, SONA, VANDA, MKAR, ZALV, ILAR, QSPA, MAW, GERES, TORO, TORO.

DJA 19 23:57:26.8:1.3, 3.1N:10.12E:1.4, h260km, 17km, M4.6/6, mb4.4/4, mb5.1/3, MLV4.7/6, Mw(mb)4.4/3

ISC 19 23:57:27.9:3.7, 2.52N:128.45E, h232km, 32km, mb3.3/6, mb1.3/5, mb1mx3.2/30, mbtmp3.9/6, Error ellipse: s-maj=57.9km s-min=13.4km az=63.0

ISCJB 19 23:57:28.9:0.8, 2.40N:0.08:128.2E:0.1, h250km, mb3.8/5, Error ellipse: s-maj=19.2km s-min=9.6km az=157.6

ISC 19 23:57:30.3:1.1, 2.4N:0.1:128.2E:0.2, h250km, n17, 0.15/18, mb3.8/5, Halmahera

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SGSI, SANI, LUWI, FITZ, WRA, WRA, ASAR, CMAR, STKA, JURJ, GUN, PKI, KOLN, KOLDAN, DANN, PYUN, MKAR.

ISCJB 00 00:02:41.9:0.6, 37.30N:0.04:37.11E:0.05, h4km, 7km, Error ellipse: s-maj=8.3km s-min=4.4km az=38.3

DDA 20 00:02:41.9, 37.31N:37.15E, h7km, M12.5

ISC 20 00:02:41.3, 37.32N:37.11E, h7km, ML1.7/4

ISC 20 00:02:41.9:1.0, 37.31N:0.04:37.11E:0.03, h9km, 8km, n11, 0.08/39, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GAZ, KMRS, KUZU, ANDN, KOZT, SAIM, AKCD, TAHT, SURC, SURC, URFA, SVRC.

SJA 20 00:25:45.6:1.1, 32.62S:72.85W, h63km, 23km, ML4.4, MW4.5

ISC 20 00:25:46.6:0.8, 32.19S:72.17W, h0km, mb4.3/3, mb1.4/3, mb1mx4.0/27, mbtmp4.1/11, ML4.0/3, MS3.3/5, Ms1.3/2.5, ms1mx3.1/23, Error ellipse: s-maj=28.5km s-min=18.6km az=98.0

NEIC 20 00:25:48.0:0.0, 32.22S:72.14W, h22km, mb4.4/5, MW4.3, ML4.1(5C), Moment Tensor Solution. s11 Moment tensor: Scale 10^15Nm; Mr:0.19; Mw:0.31; Mw:0.50; Mn:0.92; Mb:0.55; Ms:3.05; Best double couple: M:3.00000x10^15 Np1:67.00000; 612.00000; 1.73.00000; Np2:164.00000; 889.00000; 1.78.00000; Principal axes: T:3.280; P:5.000; Az:62.00000; N:-0.0500; P12:0000; Azm:164.0000; After GUC; P1a2:0000; Azm:265.0000; After GUC

ISC 20 00:25:48.7:0.4, 32.25S:72.14W, h22km, 8km, ML4.1

GUC 20 00:25:48.1:1.3, 32.28S:72.20W:0.05, h7km, 7km, MW4.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ROCC, ROCI, ROCI, CMCH, PEL, PEL, CLCH, CLCH, ANTU, ANTU, FCH, FCH, LMEL, LMEL, AUSP, G004, G004, RTLS, RTLS, G005, ARCO, ARCO, ASAL, ASAL, AAGR, ZON, ACCO, ACCO, ACOG, ACOG, LMO, LMO, ACAN, G003, G006, PLCA, PLCA, PLCA, CPUP, CPUP, CPUP, LPAZ, LPAZ, NNA, NNA, SAML, SAML, BDFB, BDFB, BDFB, PTGA, PTGA, CBYP, CBYP, VNA3, VNA1, VNA2, SNA, SNA, SNA, QSPA, QSPA, TXAR, TXAR, DBIC, DBIC, NVAR, NVAR, TOAO, TORO, TORO, TORO, KKKAKAKI, BYO, RIM, HATHI, SBHL, SDHH, NPH, UWB, OBL, WRMH, UWE, WRA, H1S2, H1S1, H1S3, ZALV, MKAR, LZH, LZH, LZH, GAZ, GAZ, KMRS, KUZU, KUZU, ANDN.

ISK 20 00:31:52.9, 37.31N:37.10E, h5km, ML1.8/6

ISCJB 20 00:31:53.0:4.0, 37.30N:0.04:37.12E:0.04, h7km, 6km, Error ellipse: s-maj=8.1km s-min=4.2km az=36.4

DDA 20 00:31:53.1, 37.32N:37.14E, h7km, M12.5

ISC 20 00:31:53.1:1.0, 37.31N:0.03:37.12E:0.03, h10km, 8km, n14, 0.04/42, Turkey

Table of astronomical observations for 20c 2h, listing stations like Ostrava-Krasne, LANS, MORC, etc., with columns for station name, coordinates, and observation details.

Main table of astronomical observations for 2012 OCT, listing stations like FINES FINESS Array B, ARCES ARCESS Array B, etc., with columns for station name, coordinates, and observation details.

Table of astronomical observations for 920, listing stations like KOLON, DANN, DANN, etc., with columns for station name, coordinates, and observation details.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KIV Kislovodsk, NEY Neytrino, DLBC Dease Lake, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA 1.6nm,0.6s, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DAV Davao City, DMPH Davao City-Mi, etc.

ISRB Sarab	1.03 129	ePg	Pg	03 42 13.1	-1.9
ISRB	comp=N,32um,0.3s	IAMB	IAMB	03 42 31.1	
ISRB	comp=Z,20um,0.2s	IAMB	IAMB	03 42 32.4	
ISRB	comp=E,41um,0.3s	IAMB	IAMB	03 42 32.6	
NAX Nakhchivan	1.14 307	IP	Pb	03 42 16.9	-1.0
NAX	SNR=86				
NAX Nakhchivan	1.14 307	ePg	Sn	03 42 34.0	-0.7
NAX				03 42 16.9	-1.0
SBZ Shahbuz	1.26 317	IP	Pn	03 42 19.2	-0.9
SBZ				03 42 37.7	+1.1
SBZ Shahbuz	1.26 317	ePg	Pn	03 42 19.1	-0.9
SBZ				03 42 20.2	-0.8
LRK Lerik	1.32 83	ePg	Sg	03 42 40.2	+2.3
LRK	SNR=18			03 42 20.1	-0.8
GLBA Cililab	1.55 60	IP	Pg	03 42 25.1	+0.1
GLBA	SNR=23				
GLBA Cililab	1.55 60	ePn	Pg	03 42 47.5	+2.5
GLBA				03 42 25.0	+0.1
ASTR Astarta	1.67 87	IP	Pb	03 42 26.4	-0.4
ASTR	SNR=80				
ASTR Astarta	1.67 87	ePn	Pg	03 42 50.1	+1.2
ASTR				03 42 26.4	-0.4
LKRn Lenkeran, Azer	1.67 82	IP	Pg	03 42 27.0	-0.4
LKRn	SNR=4.9				
LKRn Lenkeran, Azer	1.67 82	ePn	Sg	03 42 50.0	+0.9
LKRn				03 42 26.6	-0.6
MAKU Maku	1.77 300	ePn	Pn	03 42 26.6	-0.6
BRDA Brd	1.82 13	IP	Pb	03 42 28.7	-0.6
BRDA	SNR=4.9				
BRDA Brd	1.82 13	ePn	Sg	03 42 56.5	+2.7
BRDA				03 42 29.2	-1.1
HYR Heyderabad	1.87 312	IP	Pb	03 42 55.6	+0.1
HYR				03 42 29.2	-1.1
HYR Heyderabad	1.87 312	ePn	Pb	03 42 31.6	-0.2
HYR					
ZRD Zardab	1.96 23	IP	Pb	03 43 00.2	+1.9
ZRD	SNR=0.0				
ZRD Zardab	1.96 23	ePn	Pb	03 42 31.5	-0.2
ZRD				03 42 32.7	-1.2
YOVA Hakkari_Y...kse	2.08 245	IP	Pb	03 43 11.5	+9.5
YOVA				03 42 34.7	-0.8
GANJ Ganja	2.18 353	IP	Sg	03 43 04.2	-1.0
GANJ	SNR=22				
GANJ Ganja	2.18 353	ePn	Pb	03 42 34.9	-0.5
GANJ				03 42 36.3	+0.1
KDMR Kurdemir	2.23 31	ePn	Pb	03 42 36.3	+0.1
CLDR Caldaran	2.25 288	IP	Pb	03 42 37.7	-2.3
CLDR				03 42 39.9	-1.3
MNGR Mingechevir, A	2.31 8	ePn	Pb	03 42 23.3	+6.3
ALIB Äli-Bayra	2.34 50	IP	Pb	03 42 40.3	-1.1
ALIB	SNR=6.6				
ALIB Äli-Bayra	2.34 50	ePn	Pb	03 42 40.3	-1.1
ALIB				03 42 37.7	-0.5
GDB GEDABAY	2.34 343	IP	Pb	03 42 37.1	-1.2
GDB	SNR=6.2				
GDB GEDABAY	2.34 343	ePn	Sg	03 42 37.7	-0.7
GDB				03 42 36.0	-0.1
ZNB Zanjan	2.42 138	ePn	Pb	03 42 37.7	-2.3
IGDI IGDIR	2.44 305	IP	Pb	03 42 35.9	+1.8
IGDI				03 42 40.1	-2.4
HAKT HAKKARI	2.51 249	IP	Sg	03 42 39.9	-1.3
HAKT				03 42 23.3	+6.3
DYDN Diyadin	2.55 295	IP	Sg	03 42 40.3	-1.1
DYDN				03 42 43.7	-0.6
TVAN Van	2.56 272	IP	Pb	03 42 43.7	-0.6
TVAN				03 42 40.1	-2.4
IML Ismayilli	2.59 26	IP	Sb	03 43 16.0	+1.3
IML				03 42 41.3	-1.2
IML Ismayilli	2.59 26	ePn	Pb	03 42 40.4	-2.6
IML					
QBL Gabala	2.62 20	IP	Sg	03 43 18.1	-1.4
QBL	SNR=4.3				
QBL Gabala	2.62 20	ePn	Pb	03 42 41.7	-1.3
QBL				03 42 41.7	-2.8
QBS Qobustan	2.70 40	IP	Sb	03 43 17.9	-0.2
QBS	SNR=6.1				
QBS Qobustan	2.70 40	ePn	Pb	03 42 44.1	-0.3
QBS				03 42 44.2	-0.5
CUK Cukurca	2.71 244	IP	Pb	03 42 44.2	-0.5
PQL Pirkuli	2.74 32	IP	Pb	03 42 44.2	-2.8
PQL	SNR=12				
POL Pirkuli	2.74 32	ePn	Sb	03 43 20.2	+1.0
SEKA Sheki	2.75 8	ePn	Pb	03 42 44.1	-1.1
QZX Qazax, Azerbai	2.76 339	IP	Pb	03 42 42.5	-2.8
QZX	SNR=26			03 42 44.4	-1.0
OZZ Qazax, Azerbai	2.76 339	ePn	Sg	03 43 23.9	0.0
OZZ				03 42 44.3	-1.0
XTG Khinaliq	2.92 22	ePn	Pb	03 42 44.5	+1.6
ATNJ Altıngaj	2.95 36	IP	Pb	03 42 47.9	-0.9
ATNJ	SNR=5.5				
ATGJ Altıngaj	2.95 36	ePn	Pb	03 42 47.8	-0.9
DDFL Dedoflitskaro	2.99 352	S	Pb	03 42 47.9	-0.9
DDFL				03 42 28.6	+2.4
DDFL Dedoflitskaro	2.99 352	P	Sg	03 42 52.4	-0.2
DDFL				03 43 35.9	+4.6
SIZA Siyaz	3.11 33	IP	Sg	03 42 48.4	-3.0
SIZA				03 42 50.4	-1.0
DGRG David-gareji	3.13 342	P	Sg	03 42 53.2	+1.5
DGRG				03 43 34.8	-0.9
DGRG David-gareji	3.13 342	P	Pg	03 42 53.5	-1.7
DGRG				03 43 37.1	+1.4
TUTA Tutak	3.14 288	IP	Pb	03 42 54.4	-1.1
ZKTA Zakatala	3.15 359	IP	Sb	03 42 50.9	-1.1
ZKTA				03 42 51.3	-1.2
ZKTA Zakatala	3.15 359	ePn	Pb	03 42 50.9	-1.1
ZKTA				03 42 51.9	-1.0
QUB Quba	3.17 24	ePn	Pb	03 42 51.9	-1.0
DIQO Digo	3.19 308	IP	Sg	03 42 46.0	+8.1
DIQO				03 42 41.5	+1.9
EAK Akyakar	3.23 314	IP	Sg	03 43 42.4	+3.4
EAK				03 42 49.9	+2.3
QSAR Qusar	3.27 22	IP	Sb	03 43 31.3	-3.0
QSAR				03 42 52.0	-2.0
QSAR Qusar	3.27 22	ePn	Pb	03 42 56.9	+0.9
KZRT Kazreti	3.38 330	P	Pn	03 43 33.3	+0.6
KZRT				03 42 52.6	+1.4
IGZV Ghazvin	3.52 125	ePn	IAMB	03 43 56.5	
IGZV	comp=E,1um,0.3s	IAMB	IAMB	03 44 01.6	
IGZV	comp=Z,998nm,0.9s	IAMB	IAMB	03 44 01.9	
IGZV	comp=N,2um,0.6s	IAMB	IAMB	03 42 59.3	+0.7
EATA Eleskirt	3.52 294	IP	Pb	03 43 01.0	+1.9
TBLG Delisi	3.56 336	P	Sg	03 43 47.9	-1.9
TBLG				03 42 58.2	-0.8
TBLG Delisi	3.56 336	P	Pn	03 42 54.5	+2.6
ILIN Lien	3.57 176	ePn	IAMB	03 43 52.2	
ILIN	comp=Z,575nm,0.9s	IAMB	IAMB	03 42 53.5	+1.4
HKZM Kohzaman	3.58 149	ePn	Pn	03 43 04.0	
HKZM	comp=Z,0.0nm,0.4s	IAMB	IAMB	03 43 38.9	
HKZM	comp=E,0.0nm,0.7s	IAMB	IAMB	03 43 39.0	
HKZM	comp=N,0.0nm,0.6s	IAMB	IAMB	03 42 53.1	+0.5
QABG Abgarm-Qazvin	3.62 139	ePn	IAMB	03 45 02.5	
QABG	comp=Z,0.0nm,4.8s	IAMB	IAMB	03 43 01.5	+1.2
TRLG Trialeti	3.63 328	P	Sg	03 43 01.5	+1.2
TRLG				03 43 50.0	-2.0
TRLG Trialeti	3.63 328	S	Sg	03 43 01.5	+1.2
TRLG				03 43 03.2	+2.5
EKAR Karacaban	3.67 284	IP	Pb	03 42 59.7	-2.8
SRTM Siirt_Merkez	3.77 122	IP	Pn	03 42 56.3	+1.6
QALM Qalmar, Qazvin	3.77 122	ePn	IAMB	03 44 04.8	
QALM	comp=N,0.0nm,0.6s	IAMB	IAMB	03 44 17.0	
QALM	comp=Z,0.0nm,1.1s	IAMB	IAMB	03 44 21.6	
QALM	comp=E,0.0nm,0.9s	IAMB	IAMB	03 44 09.4	
IDHR Dehrash	3.78 183	IAMB	IAMB	03 43 05.3	+2.9
IDHR	comp=N,954nm,0.9s	IAMB	IAMB	03 44 11.9	
AKH Akhalkalaki	3.81 321	P	Pb	03 44 12.0	
IVIS Veiks	3.95 178	IAMB	IAMB	03 44 20.9	
IVIS	comp=Z,482nm,0.9s	IAMB	IAMB	03 44 20.9	
IVIS	comp=E,380nm,0.7s	IAMB	IAMB	03 42 58.9	+0.6
IVIS	comp=N,466nm,1.0s	IAMB	IAMB		
IRAZ Razeghan	4.04 139	ePn	Pn	03 42 58.9	+0.6

IRAZ	comp=N,285nm,0.5s	IAMB	IAMB	03 43 17.9	
IRAZ	comp=Z,716nm,0.6s	IAMB	IAMB	03 43 20.3	
IRAZ	comp=E,826nm,0.7s	IAMB	IAMB	03 44 12.3	
HAGD Aghdash	4.16 151	ePn	Pn	03 43 01.1	+1.1
IMHD IMHD	4.25 130	IAMB	IAMB	03 43 16.7	
IMHD	comp=Z,378nm,0.4s				
IMHD	comp=N,1um,0.3s				
IMHD	comp=E,790nm,0.2s				
GUDG Gudauri	4.31 338	P	Pb	03 43 10.7	-1.2
GUDG				03 44 10.2	-3.6
HSAM Samen	4.54 159	IAMB	IAMB	03 44 20.4	
HSAM	comp=E,0.0nm,0.6s	IAMB	IAMB	03 44 41.7	
HSAM	comp=N,0.0nm,0.5s	IAMB	IAMB		

IDC 20 03:41:58.6i,0.5,10:92Nk:74:25W,h0km,mb4.1/19,
 mb1.4,3/24,mb1mx4.2/32,mbtmp4.1/24,ML4.0/5,MS3.3/9,
 Ms1.3,4/9,ms1mx3.1/32,Error ellipse: s-maj=16.6km
 s-min=11.3km az=41.0
 ISCJB 20 03:42:01.3i,0.6,10:96Ne:0:02:74:20W:0:03,h23km,4km,
 mb4.3/67,MS3.3/5,Error ellipse: s-maj=4.7km
 s-min=3.0km az=161.1
 RSNC 20 03:42:01.5i,0.4,11:22Nk:74:08W,h28km,4km,ML3.9,
 Mw4.0
 NEIC 20 03:42:02.6i,1.5,10:94Nk:74:16W,h24km,11km,mb4.4/52,
 Error ellipse: s-maj=6.0km s-min=4.7km az=47.0
 NEIC Felt at San Pedro.
 ISC 20 03:42:02.2i,0.9,10:99Ne:0:04:74:23W:0:04,h24km,6km,
 n247,σ1993/275,mb4.3/67,MS3.3/5,1D,NE,near north coast
 of Colombia

Code	Station Name	Δ°	AZ°	Phase ID	ISC	h	Time	Res
SMRC	Santa Marta, M	0.17	1	eS	Pb	03	42 07.0	-0.4
SMRC				eS	Sb	03	42 10.6	-0.4
SMRC				eS	Pb	03	42 11.3	
SMRC	comp=E,10um,0.3s			i			03 42 11.3	
SMRC	comp=Z,12um,0.5s			i				
MOTC	Monteria, Cord	2.61	213	eP	Pn	03	42 45.1	+2.1
MOTC				eS	Sb	03	43 18.6	-1.5
OCAC	Ocana	2.88	162	eP	Pn	03	42 46.8	+0.1
OCAC				eS	Pb	03	42 52.0	
OCAC	comp=Z,247nm,0.4s			i				
OCAC	San Jos" de U	3.47	202	eP	Sn	03	42 28.8	+2.0
UREC				eS	Pn	03	43 56.0	+1.8
UREC				eS	Pn	03	43 39.0	+3.9
UREC				i		03	43 52.4	
ZARC	Zaragoza, Cau	3.53	190	eP	Pn	03	42 57.4	+1.8
ZARC				eS	Pb	03	43 11.0	
ZARC	comp=Z,114nm,0.3s			i				
CAPC	Capurgana	3.87	233j	eP	Pn	03	42 59.4	-0.8
CAPC				eS	Pn	03	43 41.2	-3.8
CAPC				eS	Pn	03	43 48.7	
BRRR	Barranca, Sant	3.89	172	eP	Pn	03	43 01.0	+0.3
BRRR				eS	Pb	03	43 58.9	
BRRR	comp=Z,244nm,0.3s			i				
PAMC	Pampiona, Colo	3.93	157	eP	Pn	03	43 01.7	+0.2
PAMC				eS	Pb	03	43 15.2	
PAMC	comp=Z,194nm,0.4s			i				
PAMC	Giron, Santand	4.02	165	eP	Pn	03	43 49.5	+2.4
GIRC	Santo Domingo	4.11	120	Pn	Pn	03	43 03.6	+1.1
SDV		4.12	120	Pn	Pn	03	43 04.3	+0.5
SDV	comp=Z,51nm,0.3s,baz=318,slow=7.2,SNR=79			i				
UPD2	Meteti	4.45	237	eP	Pn	03	43 51.2	-0.2
UPD2				eS	Pn	03	43 08.8	+0.4
UPD2				eS	Pn	03	43 59.9	+0.5
HELX	Santa Helena	4.94	195	eP	Pn	03	43 17.2	+1.9
HELX				eS	Pn	03	43 23.3	
HELX	comp=Z,49nm,0.3s			i		03	44 37.6	

Table of station data for 20d 4h, including station names, coordinates, and various parameters like SNR and phase ID.

Table of station data for 2012 OCT, including station names, coordinates, and various parameters like SNR and phase ID.

Table of station data for IDC 20 03:59:10.0, 0.6, 44:82S:35:37E, h0km, mb4.3/12, including station names, coordinates, and various parameters like SNR and phase ID.

20d 8h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PMAFR Mafra, MORF Marmelete, MESJ Mesesjana, ALMR Almeirim, PBDV Barranco-do-Ve, EGRO El Grano, PCAS Casimiro, PESTR Estremoz, PMRV Marv??o, EBAD Badajoz, EMIN Mina Concepcio, PCBR Castelo Branco, ECAB El Cabril, ELOB Lobios, EADA Adamuz.

IDC 20 08:24:46.4.5.5,1672Sx176.41W,h0km,mb3.6/3, mb1 3.7/3,mb1mx3.5/21,mbtmp3.6/3,Error ellipse: s-maj=207.0km s-min=56.3km az=135.0,Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, BRTR Keskin Array B.

NNC 20 08:48:34.3.2.0,38'95N-70'11E,h0km,mb3.6,mpv3.3, 5C-4D,Error ellipse: s-maj=17.8km s-min=11.0km az=20.0,Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SFK Sufi-Kurgan, MNAS Manas, KK31 Karatay Array, AAK Ala-Archa, TKM2 Tokmak 2.

NIED 20 08:49:00,24'30N,122'50E,h74km,Mw4.3 Best double couple: M3.24000x1015 NP1.3312.00000,323.00000, 7.47.00000, NP2.1177.00000,874.00000,1.106.00000, BUI 20 08:49:36.9,24'38N,122'50E,h74km,M4.4/29,mb4.4/18, Ms4.0/4,Ms7 3.8/5

ISCJB 20 08:49:37.0,1.24,34N,122'50E,h75km,2km,M4.4 mb4.4/105,Error ellipse: s-maj=2.3km s-min=1.7km az=156.0 JMA 20 08:49:38.4,0.1,24'34N,122'50E,h75km,2km,M4.4 NEIC 20 08:49:38.7,0.3,24'48N,122'51E,h79km,2km,mb4.7/72, ML5.1(TAP),Error ellipse: s-maj=4.4km s-min=3.7km az=112.0

NEIC Felt [I] at Taipei. Recorded [2 TAP] in Hualien and Yunlin; [1 TAP] in Changhua, Taoyuan and Yunlin. TAP 20 08:49:39.4,24'42N,122'45E,h79km,ML5.3,B IDC 20 08:49:40.1,2.5,24'55N,122'62E,h97km,2km,mb4.0/29, mb1 4.1/32,mb1mx4.0/59,mbtmp4.3/32,MS3.1/7, Ms1 3.2/7,ms1mx2.9/33,Error ellipse: s-maj=14.5km s-min=9.3km az=69.0

ISC 20 08:49:38.5,0.5,24'43N,122'54E,0.02,h79km,4km, n331,133/478,mb4.5/105,48C-21D,Taiwan region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JYNG Yonagunijimaku, EOS1 EOS1, YOJ Yonaguni jima, YOJ Yonaguni jima, TWC Suao, ENAH Nanao, ENAH Nanao.

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Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EGS baz=303, NANB baz=303, ENA Nanao, TWB1 Santiao Chiao, NTC Toucheng, ILA Ilan, TIPB Shuangxi, TWP Neicheng, NACB Ninganchiao, NACB Ninganchiao, ENTT Nioudou, TWD Chiawan, NWF Wu-fen Shan, WFSB Wu-fen Shan, HWA Hwaiian, NWLT Wuai, TWA Mucha, NNSB Datong, NNS Nan Shan, YHNB Yeheng, YHNB Yeheng, IRIF Iriomote-Funau, TATO Taipei, TATO Taipei, NSK Sanguang, NSK Sanguang, YM07 YM07, YM07 YM07, TAP Taipei, TAP Taipei, YM01 YM01, YM01 YM01, YM11 YM11, YM11 YM11, YM08 YM08, YM08 YM08, YM10 YM10, YM10 YM10, YM05 YM05, YM05 YM05, YM04 YM04, YM04 YM04, YM03 YM03, YM03 YM03, ESL Shilin, ESL Shilin, TWY Chenhua, TWY Chenhua, WHF Heluan Shan, WHF Heluan Shan, HATJ Hateruma jima, HATJ Hateruma jima, TWS1 Kuangyinshan, TWS1 Kuangyinshan, TWST Danshui, TWST Danshui, NTST NTST, WLTB Tachien, WLTB Tachien, TWT Tachien, TWT Tachien, EGFH Guangfu, EGFH Guangfu, TDCB Tech, TDCB Tech, CHGB Renai, CHGB Renai.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CHGB baz=247, NCU National Center, NCU National Center, MORF Marmelete, JKRS Kuro-shima, HGSD Ruisui, LIOB Emei, NIOB Emei, NSTT Nanjiang, NSTT Nanjiang, NHTT Hungye, NHTT Hungye, EHY Hungye, EHY Hungye, SBCB Hsinchu, SBCB Hsinchu, SBCB Hsinchu, JIJ Ishigaki jima, HSN Hsinchu, HSN Hsinchu, YULB Yu-li, YULB Yu-li, YULB Yu-li, TWF1 Yuli, TWF1 Yuli, SSSLB Suanglung, SSSLB Suanglung, SSSLB Suanglung, SSSLB Suanglung, SMLT Sun Moon Lake, SMLT Sun Moon Lake, NMLH Miao-li, NMLH Miao-li, TWQ1 Liyutan, TWQ1 Liyutan, JISG Ishigakijimahi, JISG Ishigakijimahi, NSY Sanyi, NSY Sanyi, FULB Fuli, FULB Fuli, CHKT Chengkung, CHKT Chengkung, TCU Taichung, TCU Taichung, TCU Taichung, YUS Yu-Shan, WJS Zhushan, WJS Zhushan, WNT Mingjing, WNT Mingjing, WNT Mingjing, ALS Alishan, ALS Alishan, WCHH Zhanghua, WCHH Zhanghua, ELDTW Lidau, ELDTW Lidau, ELDTW Lidau, CHN5 Tsauling, CHN5 Tsauling, WGG Gukeng, WGG Gukeng, WDLH Douliu, WDLH Douliu, JTJ Tarama, JTJ Tarama, RLNB Erin, RLNB Erin, STYT Tauyuan, STYT Tauyuan, STYT Tauyuan, TPUB Taupu, TPUB Taupu, TPUB Taupu, TPUB Taupu, CHN4 Tsausan, CHN4 Tsausan, CHN4 Tsausan, CHN2 Minshiang, CHN2 Minshiang, CHN2 Minshiang, TWGBT Beinan, TWGBT Beinan, TWGBT Beinan, TWG Pinlang, TWG Pinlang, TWT Taitung, TWT Taitung, TWT Taitung, WTP Ta-pu, WTP Ta-pu, WTP Ta-pu, WTCT Ta-ch'eng, WTCT Ta-ch'eng, WTCT Ta-ch'eng, CHY Chiyai, CHY Chiyai, CHY Chiyai, TWK Hsinying, TWK Hsinying, TWK Hsinying, CHN1 Nanshi, CHN1 Nanshi, CHN1 Nanshi, SGST Jashian, SGST Jashian, SGST Jashian, WLGW Puzi, WLGW Puzi, WLGW Puzi.

Table with columns: Station, Frequency, Class, Power, and other technical details. Includes stations like WLBG, WSF, ECL, CHN3, CHN3, SSD, JIRB, SCLT, etc.

Table with columns: Station, Frequency, Class, Power, and other technical details. Includes stations like KMI, MAJO, HHC, SKNT, NONG, CN2, LZH, CHAI, USA0, USRK, PHRA, PAYA, PBKT, SRAK, LAMP, NAYO, CMMT, CHTO, CHTO, CM01, CM31, CMAR, CMAR, UTHA, UTHA, UMPA, GUMO, SBUM, SRDT, GTA, GTA, YAK, ASAJ, ASAJ, KLR, KLR, SONA, SONA, SONA, PSI, WMQ, WMQ, WMQ, WMQ, YAK, YAK, YAK, MTN, PETK, PETK, PE1A, MK01, MK01, MK31, MK31, MK32, MK32, MKAR, MKAR, MKAR, MKAR, MAZK, ZAAO, ZAAO, ZALV, ZALV, ZALV, ZAA1, ZAA1, KSH, KSH, KSH, KSH, FITZ, FITZ, KURK, KURK, KURB, COEN, SEY, WRAB, WRAB, WR1, WR1, WR1, WRA, WRA, WB2, WB2, WB2.

Table with columns: Station, Frequency, Class, Power, and other technical details. Includes stations like TIXI, BVAR, AS31, ASAR, ASAR, ASO1, ASO1, CTA, CTAR, ABKAR, ABKAR, EIDS, BBOO, STKA, STKA, DZM, DZM, IM3, CAST, PPLA, OHAK, TOLK, TOLK, MLY, BPAY, TRF, CNPM, BRKL, MCK, MDM, RND, WRH, TCOL, CCB, POKR, IL1, ILAR, ILAR, ILB, HDA, HDA, HDY, FYU, KEV, FID, SPAO, RIDG, KLU, HARP, ARAO, ARCS, ARCS, SCRK, EGAG, BALM, DAWY, FIA1, FIAO, FINES, INK, INK, AKAS, BR10, BR10, DLBC, NC405, NC201, NB2, NB20, NOA, NOA, NC602, NC204, URZ, RPZ, YKA, YKBS, GERES, GEAO, ITM, MEM, NLWA, WLF, D03D, E03A, D05A, LON, LTY, B08A, C09A, HAWA, G06A, NEW.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like NEW Newport, HUMO Hull Mountain, KRMB Red Mountain, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 20 08:53:07.8, AFI Afiamalu, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DDA 20 08:55:38.3, VANB Van, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like NIED 20 08:58:00.36, IDC 20 08:58:10.0, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SONM Songo Array, H1N2 WAKE ISLAND, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 20 09:02:12.0, JMA 20 09:02:13.0, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DDA 20 09:13:11.5, GULE Gulek, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PDGK Podgromoye, DJR Jarkent, etc.

ISCJB 20 09:37:09.9, 0.5, 6.86N, 0.04, 73.13W, 0.04, h162km, 4km, mb3.3/5, Error ellipse: s-maj=7.4km s-min=5.5km az=142.0

IDC 20 09:37:10.3, 0.8, 6.85N, 73.12W, h159km, 16km, mb3.1/5, mb1 3.5/7, mb1mx3.7, mb1mx3.7, mb1mx3.7, Error ellipse: s-maj=40.7km s-min=8.4km az=132.0

RSNC 20 09:37:12.3, 0.8, 6.80N, 73.15W, h148km, 4km, ML3.6, Mw3.7

ISC 20 09:37:10.4, 0.8, 6.84N, 0.04, 73.13W, 0.04, h158km, 6km, mb3.0, 0.82/38, mb3.1/5, Northern Colombia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GIRC Giron, Santand, BARC Barichara, etc.

V42A	Cord	baz=170,SNR=6.4	34.72	343	P	P	11 03 30.1	-0.4	CCM	comp=Z,22nm,0.8s	36.79	345	P	P	11 03 47.2	-1.1	JFWS	comp=Z,1.0nm,0.8s	41.18	348	eP	P	11 04 23.3	-1.8
T48A	Bowling Green	baz=159,SNR=12	34.85	351	P	P	11 03 31.2	-0.4	CCM	Cathedral Cave	36.79	345	P	P	11 03 47.2	-1.1	JFWS	Jewell Farm	41.18	348	eP	P	11 04 23.3	-1.8
T47A	Sharon Grove	baz=168,SNR=5.1	34.85	350	eP	P	11 03 31.2	-0.5	R42A	Luebbering	36.88	346	P	P	11 03 48.0	-1.1	JFWS	Jewell Farm	41.18	348	P	P	11 04 23.3	-1.8
T47A	Sharon Grove	comp=Z,16nm,0.7s	34.85	350	P	P	11 03 31.1	-0.6	BLO	Bloomington	36.89	351	eP	P	11 03 47.9	-1.2	K39A	Oelwein	41.34	346	P	P	11 04 24.1	-2.3
W39A	Magazine	baz=167,SNR=6.8	34.91	340	eP	P	11 03 32.3	0.0	BLO	Bloomington	36.89	351	eP	P	11 03 47.9	-1.2	TUC	Tucson	41.46	319	eP	P	11 04 27.9	+0.3
W39A	Magazine	comp=Z,120nm,2.0s	34.91	340	eP	P	11 03 32.2	0.0	BLO	Bloomington	36.89	351	eP	P	11 03 47.9	-1.2	TUC	Tucson	41.46	319	eP	P	11 04 27.9	+0.3
V41A	Mountain View	baz=155,SNR=10.0	34.92	342	P	P	11 03 31.8	-0.6	Q45A	Warren Harvey	36.90	349	P	P	11 03 48.0	-1.2	TUC	Tucson	41.46	319	eP	P	11 04 29.2	+1.6
TXAR	Lajitas Array	baz=158,SNR=24	34.93	322	P	P	11 03 33.2	+0.6	P50A	Jamstown	36.99	355	P	P	11 03 49.4	-0.6	TUC	Tucson	41.46	319	eP	P	11 04 29.2	+1.6
TXAR	Lajitas Array	comp=Z,1.8nm,0.8s,slow=7.5,SNR=21	34.93	322	P	P	11 06 06.0	+0.9	P49A	Miami Univ. Ec	37.01	354	P	P	11 03 48.8	-1.4	J41A	Loganville	41.57	349	P	P	11 04 26.6	-1.7
TXAR	Lajitas Array	comp=Z,1.6nm,0.8s,slow=7.2,SNR=10.0	34.93	322	P	P	11 06 06.0	+0.9	P48A	Milroy	37.02	353	P	P	11 03 48.9	-1.3	I43A	Langenfeld Bro	41.74	351	P	P	11 04 27.9	-1.8
TXAR	Lajitas Array	comp=Z,2.65nm,18.3s,slow=0.0,slow=38	34.93	322	eP	P	11 03 33.9	+1.2	S39A	Bolivar	37.04	342	eP	P	11 03 49.7	-0.8	J40A	Soldiers Grove	41.75	348	P	P	11 04 27.6	-2.0
TX31	Lajitas Ar. Si	34.93	322	eP	P	11 03 33.9	+1.2	S39A	Bolivar	37.04	342	eP	P	11 03 49.7	-0.8	K39A	Oelwein	41.34	346	P	P	11 04 24.1	-2.3	
X37A	Clayton	34.95	337	eP	P	11 03 32.2	-0.4	R41A	Rosebud	37.05	345	P	P	11 03 49.5	-1.1	TUC	Tucson	41.46	319	eP	P	11 04 27.9	+0.3	
S51A	Beattyville	35.02	355	eP	P	11 03 33.1	0.0	Q44A	Meyer Farm, Va	37.07	348	P	P	11 03 49.3	-1.4	TUC	Tucson	41.46	319	eP	P	11 04 27.9	+0.3	
S51A	Beattyville	comp=Z,15nm,0.8s	35.02	355	P	P	11 03 33.0	-0.2	P47A	Hamersville	37.16	352	P	P	11 03 50.3	-1.1	I42A	Drager Farm	41.88	350	eP	P	11 04 29.5	-1.2
T46A	Princeton	35.05	349	P	P	11 03 32.8	-0.6	S38A	Stockton	37.17	341	P	P	11 03 50.5	-1.0	I42A	Drager Farm	41.88	350	eP	P	11 04 29.5	-1.2	
S50A	Richmond	35.14	354	P	P	11 03 34.0	-0.2	MVL	Millersville	37.33	4	eP	P	11 03 53.6	+0.8	J39A	Decorah	41.90	347	P	P	11 04 28.8	-2.1	
V40A	Witts Springs	35.15	341	eP	P	11 03 33.4	-1.0	O52A	Adamsville	37.36	357	P	P	11 03 52.9	-0.3	K36A	Gilmore City	41.94	344	P	P	11 04 29.9	-1.3	
V40A	Witts Springs	comp=Z,39nm,1.5s	35.15	341	P	P	11 03 33.9	-0.4	Q42A	Golden Eagle	37.42	346	P	P	11 03 52.7	-1.0	SDCO	Great Sand Dun	42.16	329	eP	P	11 04 35.4	+1.9
ABTX	Abilene, Hawle	35.18	330	eP	P	11 03 34.7	+0.1	P46A	Rosedale	37.43	351	P	P	11 03 52.3	-1.4	SDCO	Great Sand Dun	42.16	329	eP	P	11 04 35.4	+1.9	
ABTX	Abilene, Hawle	baz=144	35.18	330	P	P	11 03 34.9	+0.2	P45A	Graceland, Par	37.43	350	eP	P	11 03 52.6	-1.1	I39A	Houston	42.35	347	eP	P	11 04 33.1	-1.5
U42A	Reviden	35.18	344	P	P	11 03 33.7	-0.8	P45A	Graceland, Par	37.43	350	eP	P	11 03 52.6	-1.1	I39A	Houston	42.35	347	eP	P	11 04 33.1	-1.5	
S48A	Wiedeman Farm,	35.33	351	P	P	11 03 34.8	-1.0	O51A	Pataskala	37.44	356	P	P	11 03 52.7	-1.1	X18A	Snowflake	42.37	322	eP	P	11 04 35.5	+0.4	
S49A	Springfield	35.35	352	P	P	11 03 35.5	-0.5	O50A	Gal Pipe Nat	37.51	355	P	P	11 03 53.7	-0.7	214A	Great Pipe Nat	42.60	317	P	P	11 04 38.3	+1.4	
PBMO	Poplar Bluff	35.37	345	eP	P	11 03 35.4	-0.7	ACSO	Alum Creek Sta	37.54	356	eP	P	11 03 54.0	-0.7	W18A	Petrified Fore	42.63	323	eP	P	11 04 39.4	+2.1	
U41A	Viola	35.37	343	P	P	11 03 35.2	-1.0	ACSO	Alum Creek Sta	37.54	356	eP	P	11 03 54.0	-0.7	W18A	Petrified Fore	42.63	323	eP	P	11 04 39.4	+2.1	
S47A	Hartford	35.40	350	P	P	11 03 35.3	-1.1	O49A	Covington	37.62	354	P	P	11 03 54.2	-1.1	GO06	Curarehue	42.70	170	eP	P	11 04 39.0	+0.5	
V39A	Pettigrew	35.45	340	P	P	11 03 36.4	-0.5	Q41A	Truxton	37.63	345	P	P	11 03 54.3	-1.1	S22A	4UR Ranch, Cre	42.85	328	eP	P	11 04 39.9	+0.8	
T43A	Greenville	35.62	346	P	P	11 03 37.6	-0.8	MNTX	Cornudas Mount	37.64	323	eP	P	11 03 56.0	+0.4	S22A	4UR Ranch, Cre	42.85	328	eP	P	11 04 40.5	+1.4	
S46A	Don Dixon Farm	35.64	349	P	P	11 03 37.3	-1.2	MNTX	Cornudas Mount	37.64	323	eP	P	11 03 56.0	+0.4	Q43A	Divide	42.92	331	P	P	11 04 40.9	+1.2	
U40A	Yellville	35.66	342	P	P	11 03 38.5	-0.3	O48A	Farmland	37.77	353	P	P	11 03 55.4	-1.2	G24A	Wallace	42.92	352	P	P	11 04 38.3	-1.6	
R51A	Hillsboro	35.67	355	P	P	11 03 38.5	-0.2	MSTX	Muleshoe	37.84	328	eP	P	11 03 58.2	+0.7	H39A	Augusta	43.09	348	P	P	11 04 39.1	-1.5	
R50A	Paris	35.73	354	P	P	11 03 39.1	-0.2	MSTX	Muleshoe	37.84	328	eP	P	11 03 58.2	+0.7	OGNE	Paralia	43.10	335	eP	P	11 04 41.6	+0.8	
T42A	Van Buren	35.78	344	eP	P	11 03 38.8	-0.9	S5P	Standing Stone	37.88	2	P	P	11 03 57.4	-0.1	OGNE	Ogallala	43.10	335	eP	P	11 04 41.6	+0.8	
T42A	Van Buren	comp=Z,18nm,0.8s	35.78	344	eP	P	11 03 38.8	-0.9	O47A	Sherridan	37.88	352	P	P	11 03 57.1	-1.8	G42A	Mountain	43.11	351	eP	P	11 04 39.1	-1.6
S45A	Carrier Mills	35.80	348	P	P	11 03 38.6	-1.1	P43A	Skaggs, Pawnee	37.89	348	P	P	11 03 56.3	-1.3	G42A	Mountain	43.11	351	eP	P	11 04 39.1	-1.6	
R49A	Shelbyville	35.83	353	P	P	11 03 39.6	-0.5	U32A	Winter Ranch,	37.98	334	eP	P	11 03 58.1	-0.4	X16A	Lo Mia Camp, P	43.22	321	eP	P	11 04 43.2	+1.1	
U39A	Green Forest	35.89	341	P	P	11 03 39.9	-0.8	AMTX	Amarillo	38.00	330	eP	P	11 03 58.8	0.0	H38A	Maiden Rock	43.30	347	P	P	11 04 40.5	-1.7	
USIN	University of	35.90	349	eP	P	11 03 39.8	-0.9	AMTX	Amarillo	38.00	330	eP	P	11 03 58.8	0.0	MVCO	Mesa Verde	43.37	326	eP	P	11 04 44.3	+1.1	
WCI	Wyandotte Cave	35.93	351	eP	P	11 03 40.3	-0.6	LUPA	Lehigh Unvers	38.01	5	eP	P	11 03 59.5	+1.8	MVCO	Mesa Verde	43.37	326	eP	P	11 04 44.3	+1.1	
WCI	Wyandotte Cave	35.93	351	eP	P	11 03 40.3	-0.6	P42A	Winchester	38.02	347	eP	P	11 03 57.3	-1.4	G40A	Rib Lake	43.44	349	eP	P	11 04 41.8	-1.7	
WCI	Wyandotte Cave	comp=Z,21nm,0.9s	35.93	351	eP	P	11 03 40.0	-0.9	P42A	Winchester	38.02	347	eP	P	11 03 57.3	-1.4	G40A	Rib Lake	43.44	349	eP	P	11 04 41.8	-1.7
HHAR	Hobbs	35.95	340	eP	P	11 03 40.4	-0.8	N50A	Nevada	38.09	356	P	P	11 03 58.4	-0.9	F43A	Flat Rock, Esc	43.51	353	P	P	11 04 41.8	-2.1	
S44A	Carbondale	35.96	347	P	P	11 03 40.3	-0.9	O44A	Manfield	38.17	349	P	P	11 03 58.6	-1.4	F44A	Big Day de Noc	43.56	353	P	P	11 04 42.9	-1.4	
SIUC	Southern Ilin	35.97	347	eP	P	11 03 40.5	-0.9	P41A	Barry, Barry	38.27	346	P	P	11 03 59.5	-1.3	ECSD	EROS Data Cent	43.57	342	eP	P	11 04 42.6	-1.9	
T41A	Mountain View	35.98	344	P	P	11 03 40.5	-0.9	N59A	State Game Lan	38.29	5	eP	P	11 04 02.4	+1.4	ECSD	EROS Data Cent	43.57	342	eP	P	11 04 42.6	-1.9	
R47A	Wooly Knot Far	36.03	351	P	P	11 03 40.7	-1.1	N59A	State Game Lan	38.29	5	P	P	11 04 02.4	+1.4	G39A	Holcombe	43.65	348	P	P	11 04 43.3	-1.7	
R48A	Norridge Ran	36.03	352	P	P	11 03 41.4	-0.4	N49A	Columbus Grove	38.33	355	P	P	11 04 00.5	-0.8	G38A	Ridgeland	43.68	348	P	P	11 04 43.6	-1.7	
S43A	Fulton Ridge,	36.03	346	P	P	11 03 40.8	-1.1	N48A	Decatur	38.35	354	P	P	11 04 00.5	-1.0	F41A	Three Lakes	43.71	351	eP	P	11 04 43.8	-1.8	
CPUP	Villa Florida	36.06	144	P	P	11 03 40.8	-1.4	O43A	Sugar Creek Fa	38.47	348	P	P	11 04 00.8	-1.7	F41A	Three Lakes	43.71	351	eP	P	11 04 43.8	-1.8	
CPUP	Villa Florida	comp=Z,6.3nm,0.9s,slow=8.9,SNR=8.2	36.06	144	P	P	11 20 17.5		O42A	Bath	38.54	347	P	P	11 04 01.4	-1.7	TRQA	Tornquist	43.71	160	eP	P	11 04 46.0	+0.3
CPUP	Villa Florida	comp=Z,2.93nm,18.6s,slow=283,slow=39																						

20d 12h

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Paradox Valley, Wakefield, Carpenter Ridg, etc.

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Table with columns: Call Sign, Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Grapevine Rang, Auburn Hatcher, Cottonwood Cree, etc.

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Table with columns: Call Sign, Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Eielson Array, Reindeer, Murphy Dome, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Paritu Road, Rimuhua, Mahia Peninsula, Pakihiroa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Mawson, Syowa Base, PSI, NVAR, etc.

MAN 12:13:28.7, 9.35m, 121.32E, h32km, mb4.4, ML3.2, MS3.0, 1C, Sulu Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Jordan, GUM, IPIL, etc.

ISCJB 20:12:19:54.8, 1.0, 38.51S, 0.003:178.86E, 0.07, h32km, 9km, mb3.7/3, Error ellipse: s-maj=8.7km s-min=5.0km az=175.2

WEL 20:12:19:55.7, 39.5, 17.9E, h33km, ML4.1/31, IDC 20:12:03:09.1, 9.38, 90S, 176.65E, h0km, mb3.8/3, mb1.4, 0.3, mb1mx3.751, mb1mp3.6/3, Error ellipse: s-maj=14.2km s-min=15.4km az=136.0

ISC 20:12:19:56.6, 1.4, 38.51S, 0.003:178.64E, 0.07, h18km, 4km, n79, s-17/89, mb3.6/3, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Carnagh Statio, Pukeiti, Tauwhareparae, etc.

URZ Urewera 1.23 281 P Pn 12 20 18.2 -0.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Waihua, Arahi, Ruatuhuna, etc.

ASAR Alice Springs 40.67 276 P P 12 27 34.5 -1.5

TORD Torodi Arr. Bea 154.60 187 PKPab PKPab 12 40 18.4 +7.2

ISK 20:12:44:42.5, 37.46N, 28.10E, h10km, 1km, ML2.2/5, ISCJB 20:12:44:43.0, 5.37, 46N, 0.03:28.09E, 0.03, h4km, 10km, Error ellipse: s-maj=5.5km s-min=4.0km az=27.9

DDA 20:12:44:43.2, 37.44N, 28.09E, h7km, ML2.5, IDC 20:12:44:43.1, 0.37, 46N, 0.03:28.10E, 0.03, h11km, 8km, n16, s-05/24, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Tasoluk, Milas, Yerkesik, etc.

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

SOME 20:12:40:38.6, 41.18N, 70.95E, h10km, KRNET 20:12:40:42.3, 0.1, 41.31N, 71.17E, h16km, mb2.1, NNC 20:12:40:42.5, 0.1, 41.29N, 71.10E, h0km, mb2.5, mpv2.3, Error ellipse: s-maj=50.2km s-min=14.1km az=54.0

ISC 20:12:40:41.8, 1.4, 41.32N, 71.07E, 0.04, h6km, 11km, n13, s-17/25, 17C-4D, Kyrgyzstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Arkit, Karatay Array, Arslanbob, etc.

WEL 20:12:49:09.0, 39.5, 17.9E, h12km, ML3.6/23, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Carnagh Statio, Pukeiti, Tauwhareparae, etc.

ISCJB 20:12:52:49.0, 7.6, 6.83S, 0.07:126.0E, 0.1, h488km, mb3.6/5, Error ellipse: s-maj=19.9km s-min=9.0km az=6.0

IDC 20:12:52:51.2, 0.9, 6.92S, 125.9E, h501km, 16km, mb3.2/5, mb1.3, 2.1, mb1mx2.9, 40, mb1mp4.10, Error ellipse: s-maj=25.5km s-min=18.7km az=81.0

ISC 20:12:52:50.7, 0.8, 6.93S, 0.08:126.0E, 0.2, h488km, n10, s-16/12, mb3.6/5, Banda Sea

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

Table with 4 columns: Station Name, Time, Res, and other details. Includes stations like MKAR Makanchi Array and ZALV Zalesovo Beam.

ISC 20 12:55:18.6:1.4, 39.19S:177.78E, h0km, mb3.8/5, mb1 4.0/5, mb1mx3.8/30, mbtmp3.8/3, MS3.6/6, Ms1 3.6/6, ms1mx3.2/32, Error ellipse: s-maj=41.3km s-min=18.3km az=64.0.

ISCJB 20 12:55:21.8:2.0, 39.3S:0.1:177.7E:0.4, h32km, mb3.8/5, MS3.5/5, Error ellipse: s-maj=47.8km s-min=13.6km az=166.8.

ISC 20 12:55:23.3:1.5, 39.2S:0.2:177.8E:0.3, h32km, n13, r1521.0, mb3.9/5, MS3.6/5, Off east coast of North Island

Table with 4 columns: Code, Station Name, Time, Res. Lists various stations like URZ Urewera, DZM Mont Dzumac, STKA Stephens Creek, etc.

ISC 20 13:09:22.6:3.2, 35.39N:140.20E, h0km, mb3.5/3, mb1 3.7/3, mb1mx3.4/35, mbtmp3.5/3, MS2.7/1, Ms1 2.7/1, ms1mx2.3/29, Error ellipse: s-maj=114.9km s-min=24.9km az=57.0.

ISCJB 20 13:09:25.0:5.7, 35.88N:0.0:140.56E:0.0, h28km, 7km, mb3.4/5, Error ellipse: s-maj=14.1km s-min=1.6km az=142.2.

JMA 20 13:09:25.0:0.1, 35.84N:140.53E, h36km, 1km, M2.9 JMA Felt J1.

ISC 20 13:09:25.3:1.1, 35.84N:0.0:140.49E:0.0, h26km, 10km, n16, r1546/14, mb3.6/3, Near east coast of eastern Honshu

Table with 4 columns: Code, Station Name, Time, Res. Lists stations like JIHU Itakohorinouch, CHOU Choshi, JYT Yasato, etc.

ISC 20 13:10:31.4:1.6, 33.22S:130.11E, h0km, mb3.3/2, mb1 3.4/4, mb1mx3.3/27, mbtmp3.3/4, ML3.1/2, Error ellipse: s-maj=56.1km s-min=23.8km az=89.0, Seram

Table with 4 columns: Code, Station Name, Time, Res. Lists stations like SJU Sorong, FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

MEX 20 13:10:57.8:0.3, 16.29N:93.34W, h154km, 6km, MD3.7, Chiapas

Table with 4 columns: Code, Station Name, Time, Res. Lists stations like PCIG Comitan, CCGI Comitan, etc.

ISCJB 20 13:15:40.4:0.5, 29.41N:104.51:27E:0.0, h20km, Error ellipse: s-maj=6.6km s-min=5.2km az=32.0.

TEH 20 13:15:40.7, 29.48N:51.36E, h17km, ML3.4

ISC 20 13:15:40.9:1.1, 29.42N:104.51:29E:0.0, h20km, n26, r1523/27, Southern Iran

Table with 4 columns: Code, Station Name, Time, Res. Lists stations like IKAZ Kazeroun, SHI Shiraz, IPAR Pars, etc.

Large table with 4 columns: Code, Station Name, Time, Res. Lists numerous stations including ISRV, KLNJ, GHIR, IBRJ, IRAM, ZNGN, ROKH, IGAR, KFKJ, ISAD, IPIR, IZEF, ICHK, IKLH, BOOSS, YZDZ, ANAR, KRSH, KRHB, NORK, TVBK, HSAM, HSAM, HSAM, BTHS, etc.

DDA 20 13:28:10.3, 37.21N:30.93E, h7km, ML2.4

ISK 20 13:28:11.9, 37.21N:30.89E, h27km, ML2.6/5

ISC 20 13:28:12.1, 0.1, 37.28N:0.0:30.84E:0.0, h30km, 8km, n16, r1533/26, Turkey

Table with 4 columns: Code, Station Name, Time, Res. Lists stations like SUTC Sutluce-Ispart, ANT B Antalya, KORT Korkueli, BAGO Egridir - ISPA, BRDR BURDUL-Merkez, ELL Elmali, GOLH Golhisar, DOGA KONYA_Doganhis, KONT Konya-Tatoy, AKAS Kas, LADK Ladik-KONYA, KHAL Karahalli, TAVA DENIZLI_Tavas, BERE Bereket-Mersin, TEVE Tevekalti-Mersin, etc.

ISK 20 13:31:10.9, 37.17N:36.75E, h24km, ML2.1/3

DDA 20 13:31:11.4, 37.13N:36.63E, h7km, ML2.5

ISC 20 13:31:11.9, 1.7, 37.16N:0.0:36.73E:0.0, h21km, 4km, n9, r1521/15, Turkey

Table with 4 columns: Code, Station Name, Time, Res. Lists stations like KMRS Kahramanmaraş, GAZ Gaziantep, KUZU Kuzuni, ANDN Andirin, KOZT Kozan, TAHT Tahtakopru-Hat, SAIM ADANA, AKUD Akcadag, GULE Gulek, etc.

MEX 20 13:34:20.5:0.4, 15.52N:93.53W, h106km, 4km, MD3.7, Near coast of Chiapas

Table with 4 columns: Code, Station Name, Time, Res. Lists stations like PCIG Comitan, THIG Comitan, CCGI Comitan, etc.

MAN 20 13:42:16.4, 8.99N:122.65E, h30km, mb4.2, ML3.0, MS2.7, Mindanao

Table with 4 columns: Code, Station Name, Time, Res. Lists stations like GUIM Jordan, BUKP Mordan, BUKP Mordan, etc.

ISCJB 20 14:07:45.6:0.4, 56.38N:0.0:159.1W:0.1, h155km, 4km, mb3.6/9, Error ellipse: s-maj=15.5km s-min=4.2km az=144.7.

ISC 20 14:07:47.0:2.4, 56.81N:159.29W, h132km, 22km, mb3.5/9, mb1 3.5/12, mb1mx3.2/52, mbtmp3.8/12, Error ellipse: s-maj=28.0km s-min=18.6km az=174.0.

NEIC 20 14:07:48.2:0.0, 56.35N:159.10W, h143km, ML3.3(AEIC), After AEIC.

ISC 20 14:07:46.6:0.7, 56.49N:0.0:159.26W:0.0, h144km, 6km, n46, r1543/56, mb3.8/9, Alaska Peninsula

Large table with 4 columns: Code, Station Name, Time, Res. Lists numerous stations including VNFG Veniaminof 2, VNSS Veniaminof 8, CHGN Chignik, ANPB Aniakhchak Plen, AZAC Aniakhchak, ANPK Aniakhchak Peak, ANPW Aniakhchak Nort, ANNE Aniakhchak Nort, SDPT Sand Point, PSAA Pavlov South-4, PLK1 Peulik 1, PLK4 Peulik 4, PLK3 Peulik 3, DTI Dutton Round H, DRIA Deer Island, CAHL Cahill, ANCK Angle Creek, KABU Katmai Buttes, SII Sitkinai Island, KBM Katmai Bkd Mtn, KVTA Katmai Vly 10, KAWH Katmai, OHAK Old Harbor, KDKA Kodiak Island, KDAK Kodiak, AKSA Akutan Strait, UNV Unalaska Valle, UNKS Unalaska Swift, CNPM China Point, BRLK Bradley Lake, OTKU Okmok Mt. Tuli, OTT1 Tatalina, PWT Port Wells, KNK Knik Glacier, SCM Sheep Creek Mo, KLU Klutina, ILAR Eielson Array, ILAR Eielson Array, INK Inuvik, PETK Petrovsklovsk, TXAR Lajitas Array, SONM Sonoma Array, FINES Finest Array B, HFS Hagfors, MKAR Makanchi Array, EKA Eskdalemuir Ar, AKASG Malin Array Be, CMAR Chiang Mai Arr, etc.

MOS 20 14:40:37.0:0.0, 42.52N:45.67E, h24km, MPVA3.5, Eastern Caucasus

Table with 4 columns: Code, Station Name, Time, Res. Lists stations like BTLR Botlikh, BTLR Vedeno, DVE Vedeno, GROC Groznyy, GNBR Gunib, LACR Lac, LACR Kora, KORR Tsey, DIGR Digorskoe uzhe, DIGR Neytrino, NEY Neytrino, etc.

ISC 20 14:57:41.6:2.5, 14.06S:167.24E, h0km, mb3.7/3, mb1 4.0/4, mb1mx3.6/39, mbtmp3.9/4, ML4.2/1, Error ellipse: s-maj=55.0km s-min=42.4km az=113.0, Vanuatu Islands

Table with 4 columns: Code, Station Name, Time, Res. Lists stations like DZM Mont Dzumac, DZM Warramunga Arr, STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, ARCES Arches Array B, etc.

MEX 20 15:32:58.1:0.8, 14.30N:92.10W, h120km, 32km, MD3.8, Near coast of Chiapas

Table with 4 columns: Code, Station Name, Time, Res. Lists stations like PCIG Comitan, CCGI Comitan, etc.

20d 16h

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, Azimuth, Elevation, SNR, and other technical details. Includes stations like GEYT, GYA0B, ZALV, etc.

2012 OCT

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, Azimuth, Elevation, SNR, and other technical details. Includes stations like R51A, R52A, V39A, etc.

936

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, Azimuth, Elevation, SNR, and other technical details. Includes stations like 151A, 249A, 250A, etc.

Table with columns: PRNI, MBRI, Station Name, Az, Phase, ID, Time, Res. Includes data for Mex 20 17:12:12.8, 0.4, 14.89N, 92.62W, h100km, 4km, MD3.9.

SOME 20 17:28:14.6, 46.75N, 85.82E, h5km
NMC 20 17:28:20.3, 3.4, 46.67N, 85.72E, h0km, mb3.1, mpv2.6, Error ellipse: s-maj=26.8km s-min=19.0km az=94.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes data for ZSN, MAK31, MAZ, KAPS, PDGK.

BUI 20 17:31:57.3, 37.74N, 69.50E, h5km, mb4.6/39, mb4.8/28, ML4.3/3, MSL4.3/26, MSL7.4/12, IDC 20 17:31:58.7, 6.6, 37.37N, 69.26E, h23km, 43km, mb4.0/31, mb1.4/1.37, mb1mx4.0/5.9, mbtmp4.2/37, ML4.2/5, MS3.6/16, MSL3.6/16, ms1mx3.4/5.2, Error ellipse: s-maj=16.9km, s-min=9.8km az=6.0

ISCJB 20 17:31:58.5, 0.1, 37.51N, 0.02, 69.25E, 0.02, h29km, mb4.5/111, MS3.7/17, Error ellipse: s-maj=2.7km, s-min=2.6km az=5.5

MOS 20 17:31:58.3, 1.3, 37.54N, 69.30E, h26km, mb4.9/37, Error ellipse: s-maj=5.4km s-min=4.2km az=89.0

NEIC 20 17:31:59.5, 1.6, 37.54N, 69.26E, h23km, 11km, mb4.7/52, Error ellipse: s-maj=5.1km s-min=3.8km az=190.0

NMC 20 17:31:59.0, 0.9, 37.56N, 69.30E, h26km, 5km, mb5.1, mpv4.9, Error ellipse: s-maj=6.4km s-min=5.2km az=2.0

ISC 20 17:31:59.7, 0.3, 37.44N, 0.03, 69.17E, 0.03, h29km, n333, az204/341, mb4.5/114, MS3.8/18, 43C-33D, Afghanistan-Tajikistan border region

Main table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Lists various stations like Kabul, Tashkent, Chirah Chowk, etc.

Main table with columns: FRU, Bishkek, Karagaybulak, Chumysh, Ospenovka, Ulahl, Tokmak 2, etc. Lists various stations in the Bishkek region.

Main table with columns: BRVK, Bhopal, Gorkha, Daman, KKK, UOSS, PKIN, Pulchoki, GUN, AKT, DGZ, NGP, GROG, GNI, ZAAO, ZAAO, ZALV, ZALV, ZALV, ZALV, ZAA1, BOK, LSA, LSA, NVS, NVS, ZEI, LATR, SVE, SVE, SVE, ARU, ARU, ARU, ARU, ARU, ARU, NCK, NCK, KBZ, KBZ, NEY, NEY, KVAR, KVAR, KIV, KIV, KIV, KIV, HYB, HYB, HYB, HYB, GOA, BWNR, SHL, SHL, SHL, SHL, VRRH, VRRH, VRRH, VRRH, GTA, GTA, GTA, GTA, GTA, KNGR, RAYN, RAYN, RAYN, ANN, ANN, ANN, VORD, VORD, VSR, VSR, LPSR, LPSR, MDRS, SIM, SIM, ZAK, ZAK, ILGA, LZH, LZH, LZH.

20d 18h

Table of astronomical observations for 20d 18h, listing station names (e.g., LZH, BR101, MOS), object names (e.g., Keskin Array S, Moscow), coordinates, and various parameters like RA, Dec, and signal-to-noise ratio.

2012 OCT

Table of astronomical observations for 2012 OCT, listing station names (e.g., VSU, SANT, SANTORINI), object names (e.g., Vasula, Santorini), coordinates, and various parameters like RA, Dec, and signal-to-noise ratio.

938

Table of astronomical observations for 938, listing station names (e.g., YAK, YAK, YAK), object names (e.g., comp=N,3.0nm,1.0s), coordinates, and various parameters like RA, Dec, and signal-to-noise ratio.

Summary information for observation 2012 OCT 18:00:35.0, including coordinates, object name (mb1mx2.7/5.1), and a table of station names and their respective parameters.

Table with columns: JHU, Hachioji jima 2, 1.84 320 P, Pn, 18 01 06.2 +0.7, etc.

IDC 20 18:08:54.0-0.8, 55.70S:28.02W, h0km, mb3.9/4, mb1 4.1/5, mb1mx3.8/21, mbtmp4.0/5, ML4.6/1, Error ellipse: s-maj=39.1km s-min=21.6km az=71.0

ISC/JB 20 18:08:58.1-0.6, 55.70S:0.09-27.8W:0.1, h35km, mb4.1/5, Error ellipse: s-maj=14.3km s-min=8.5km az=40.0

NEIC 20 18:09:22.2-0.2, 55.97S:27.90W, h07km, 21km, mb4.2/4, Error ellipse: s-maj=25.0km s-min=17.1km az=67.0

ISC 20 18:08:59.0-0.8, 55.75S:0.1-27.7W:0.1, h35km, n28, c1504/22, mb4.2/5, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, HOPE Hope Point, 5.23 282 eP, etc.

IDC 20 18:27:05.6-0.8, 28.27N:91.74E, h0km, mb3.8/9, mb1 4.0/11, mb1mx3.7/60, mbtmp3.8/11, ML3.7/2, MS3.1/2, Ms1 3.2/2, ms1mx2.6/37, Error ellipse: s-maj=34.8km s-min=15.9km az=57.0

ISC/JB 20 18:27:06.8-0.3, 28.48N:0.03-91.95E:0.03, h10km, mb3.9/13, MS3.3/1, Error ellipse: s-maj=4.4km s-min=3.1km az=145.0

NEIC 20 18:27:09.8-2.6, 28.32N:91.84E, h26km, 20km, mb4.2/7, Error ellipse: s-maj=12.0km s-min=6.2km az=66.0

NDI 20 18:27:10.6-2.6, 28.42N:91.95E, h15km, ML1.4, mb4.2/10C

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, TAWA Tawang, 0.84 185 eP, etc.

Table with columns: GUWA GUWAHATI, 2.25 186 eP, Pn, 18 27 46.1 +1.1, etc.

JMA 20 18:31:33.6, 23.73N:121.70E, h34km, 1km, M2.6, ISC/JB 20 18:31:34.1-0.3, 23.76N:0.02-121.71E:0.02, h31km, 2km, Error ellipse: s-maj=3.4km s-min=2.1km az=38.1

TAP 20 18:31:34.1, 23.76N:121.66E, h37km, ML2.3, C, ISC 20 18:31:34.2-1.0, 23.77N:0.02-121.68E:0.02, h32km, 3km, n61, c0575/109, 5C-4D, Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, HWA Hwalien, 0.22 342 eP, etc.

Table with columns: TDCB Techii, 0.68 316 eP, Pn, 18 31 47.7 0.0, etc.

ISC/JB 20 18:37:32.5-0.4, 2.11N:0.03-127.36E:0.05, h112km, mb4.0/11, Error ellipse: s-maj=7.5km s-min=3.9km az=163.4

IDC 20 18:37:33.8-0.8, 1.92N:127.28E, h93km, 7km, mb3.7/9, mb1 3.8/10, mb1mx3.5/34, mbtmp4.0/10, MS3.2/1, Ms1 3.2/1, ms1mx2.5/30, Error ellipse: s-maj=29.5km s-min=9.9km az=54.0

DJA 20 18:37:38.2-0.7, 2.1N:3.12E:1.2, h40km, 10km, M4.3/5, mb4.7/5, MLV4.2/2

ISC 20 18:37:35.2-0.6, 1.98N:0.04-127.33E:0.06, h112km, n37, c254/43, mb3.9/11, 2C, Halmahera

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, TNTI Ternate, 1.20 178 P, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KMSI Cibinong, SANI Sanana, DMPM Don Marcelino, etc.

ISK 20 18:38:20.6, 37.32N, 101.14E, h10km, ML1.8/4
ISCJB 20 18:38:21.3, 0.7, 37.31N, 101.04E, 37.17E, 0.05, h4km, gm, km
Error ellipse: s-maj=9.0km s-min=4.5km az=135.1

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like GAZ Gaziantep, KMRS Kahramanmaras, KUZU Kuzuni, etc.

MOS 20 18:48:29.0, 1.2, 52.41N, 106.89E, h9km, mb4.2/1, Error ellipse: s-maj=24.2km s-min=17.5km az=47.6
BYKL 20 18:48:31.1, 0.1, 52.39N, 106.62E, h18km, 2km, 6C-1D, Lake Baykal region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KAB Kabansk, ZRH Zarechye, TRG Tyrgan, etc.

Main table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KELR Listvyanka, OGRG Ongureny, IRK Irkutsk, etc.

M 1 3.3/1, m1mx2.3/39, Error ellipse: s-maj=41.9km
s-min=20.5km az=79.0
JMA 20 19:31:50.0, 0.2, 36.31N, 142.21E, h73km, M3.2
ISC 20 19:31:49.5, 0.9, 36.29N, 142.04E, 106.16, h9km, n27,
r181/26, mb3.7/5, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CHQJ Choshi, JHYU Hitachinakyam, JHYU Hitachi, etc.

ISCJB 20 19:33:49.0, 0.6, 34.90N, 103.71E, 0.08, h10km, mb3.7/4, MS3.2/1, Error ellipse: s-maj=8.9km s-min=5.0km az=172.1

IDC 20 19:33:35.7, 1.0, 35.07N, 103.91E, h0km, mb3.6/5, mb1.3/4, mb1mx3.4/64, mbtmp3.5/7, ML3.2/1, MS3.3/1, M3.1 3.3/1, m1mx2.5/4.1, Error ellipse: s-maj=54.9km s-min=18.2km az=61.0

BUI 20 19:33:38.4, 34.94N, 103.76E, h6km, ML3.5/15, MS3.2/3, M5.7/3.2

ISC 20 19:33:36.9, 0.8, 34.98N, 103.62E, 0.07, h10km, n13, r181/16, mb3.8/4, Gansu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like LZH Lanzhou, CD2 Chengdu, XAN Xi'an, etc.

ISCJB 20 19:43:47.7, 0.8, 36.36N, 106.46E, 0.04, h74km, 14km, Error ellipse: s-maj=9.5km s-min=5.0km az=177.6

INMG 20 19:43:48.5, 1.1, 36.26N, 105.45E, h5km, ML1.7, Error ellipse: s-maj=3.0km s-min=2.5km az=8.0

MDD 20 19:43:48.6, 1.1, 36.24N, 105.57E, h59km, 30km, mb3.6/4, Error ellipse: s-maj=12.6km s-min=6.1km az=1.0, PRXIMO

IGIL 20 19:43:49.2, 36.26N, 106.46E, h31km, ML1.4

ISC 20 19:43:47.1, 1.8, 36.26N, 106.45E, h58W, 0.04, h71km, 22km, n29, r136/54, 1D, Strait of Gibraltar

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like EGOR Sierra Gorda, ELGU Los Guajares, EBER Berja, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

ISCJB 20 19:54:04.0,4.0,3.44:54N,01:21:64E,0.02,6hkm,2km, Error ellipse: s-maj=2.3km s-min=1.6km az=138.4

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations in the Balkan Peninsula region.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

ISCJB 20 19:54:04.0,4.0,3.44:54N,01:21:64E,0.02,6hkm,2km, Error ellipse: s-maj=2.3km s-min=1.6km az=138.4

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations in the Balkan Peninsula region.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

NEIC 20 19:54:16.7,0.0,17.47N,101:57W,h78km,MD4.0(MEX), After MEX.

MEX 20 20:04:16.7,0.0,17.47N,101:57W,h78km,6km,MD4.0, Near coast of Guerrero

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations in the MEX region.

ISC 20 20:06:51.3,0.8,51.47N,173:20W,h0km,mb3.5,9, mb1.3,8/11,mb1mx3.6/42,mbtmp3.5/11,ML3.8/1, MS1.2,8/11,ms1mx2.3/32,Error ellipse: s-maj=31.0km s-min=16.7km az=173.0

NEIC 20 20:06:53.7,4.3,51.58N,173:08W,h16km,28km,ML3.3, Error ellipse: s-maj=11.2km s-min=6.5km az=168.0

ISCJB 20 20:06:54.7,0.4,51.63N,105:173:04W,0.05,h37km, mb3.5,9,MS2.6/1,Error ellipse: s-maj=7.5km s-min=4.7km

ISC 20 20:06:56.6,0.7,51.6N,01:173:04W,0.05,h37km,n50, c1541/49,mb3.4/9, Andeanoff Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations in the Andeanoff Islands region.

Table with columns: Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like IPOC Station P, Patallajta, IPOC Station P, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like PTGA Pitinga, COCHRANE, MDRN, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like TAMANRASSET, TAMANRASSET, TAMANRASSET, etc.

ISCJB 20:51:09.6i.0.2, 6.83N:0.03:73.09W:0.03, h160km, 2km, mb4.4/83, Error ellipse: s-maj=5.2km s-min=3.7km az=35.5

ISC 20:51:10.4i.0.6, 6.79N:72.96W, h162km, 6km, mb3.6/11, mb1.3/9.16, mb1mx3.7/34, mb2mp4.2/16, Error ellipse: s-maj=15.1km s-min=2.2km az=136.0

NEIC 20:51:10.7i.0.5, 6.78N:73.06W, h159km, 5km, mb4.4/74, Error ellipse: s-maj=10.8km s-min=1.8km az=133.0

RSNC 20:51:11.6i.0.9, 6.82N:73.14W, h150km, 4km, ML4.4, Mw4.4

ISC 20:51:10.5i.0.6, 6.83N:0.03:73.08W:0.04, h158km, 4km, n283, e596/309, mb4.4/83, 1C-5D, Northern Colombia

Table with columns: Code, Station Name, Azimuth, Elevation, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like BARC Barichara, GIRC Giron, etc.

20d 21h

CBYP	Canovanas	13.38	31	ePn	Pn	21 54 14.8 +0.4
MTP	Monte Pirata	13.39	33	ePn	Pn	21 54 15.1 +0.6
STVI	Saint Thomas	18.71	247	ePn	Pn	21 55 17.8 +0.6
PAYG	Puerto Ayora					
	comp=Z,1.0nm,1.6s					
AVG	El Apolote	18.89	297	P	Pn	21 55 21.6 -0.1
	comp=Z,0.3nm,0.3s,baz=35,slow=6.7,SNR=4.9					
TEIG	Tepech	19.87	314	eP	P	21 55 30.9 +1.3
	comp=Z,16nm,0.6s					
MDP	Montagnas des	20.40	94	P	P	21 55 35.2 -0.1
	comp=Z,2.2nm,0.9s,baz=264,slow=1.0,SNR=4.0					
251A	Midway	27.65	337	P	P	21 56 45.2 +1.8
	baz=153					
152A	Waverly Hall	27.90	339	P	P	21 56 47.6 +1.8
	baz=153					
253A	Monticello	28.07	341	P	P	21 56 48.9 +1.7
	baz=158					
GOGA	Godfrey	28.16	341	P	P	21 56 49.7 +1.8
	baz=158					
347A	Saraland	28.41	331	P	P	21 56 52.1 +1.9
	baz=146					
149A	Jones	28.64	335	P	P	21 56 53.9 +1.6
	baz=151					
Y52A	Libur	28.76	341	P	P	21 56 55.3 +1.9
	baz=157					
Z50A	Ashland	28.87	337	eP	P	21 56 55.6 +1.2
	comp=Z,8.0nm,0.6s					
Z50A	Ashland	28.87	337	P	P	21 56 56.1 +1.7
	baz=153,SNR=5.4					
Z49A	Columbiana	29.06	336	P	P	21 56 57.8 +1.8
	baz=152,SNR=6.4					
LRAL	Lakeview Retre	29.11	335	P	P	21 56 58.2 +1.7
	baz=151					
Y50A	Piedmont	29.37	338	P	P	21 57 00.3 +1.6
	baz=154					
X52A	Dahlonaga	29.39	342	P	P	21 57 00.6 +1.6
	baz=158					
344A	Westbrook Farm	29.54	328	eP	P	21 57 01.4 +1.1
	comp=Z,1.3nm,0.8s					
344A	Westbrook Farm	29.54	328	P	P	21 57 02.3 +2.0
	baz=142					
Y49A	Blount Mountain	29.60	337	P	P	21 57 02.2 +1.4
	baz=152					
146A	Union	29.68	332	eP	P	21 57 01.7 +0.2
	comp=Z,48nm,1.6s					
Z47A	Carrollton	29.70	334	P	P	21 57 03.2 +1.5
	baz=149					
Y48A	Jasper	29.94	336	P	P	21 57 05.0 +1.2
	baz=151					
244A	Avery, Jackson	29.99	329	P	P	21 57 05.5 +1.3
	baz=145					
Z46A	Louisville	30.09	333	P	P	21 57 07.1 +2.0
	baz=147					
X49A	Woodville	30.14	338	P	P	21 57 06.7 +1.1
	baz=153					
Y47A	UCPARC, Winfie	30.21	335	P	P	21 57 07.7 +1.5
	baz=150					
X48A	Hartselle	30.37	337	eP	P	21 57 08.2 +0.7
	comp=Z,3.3nm,0.8s					
X48A	Hartselle	30.37	337	P	P	21 57 08.8 +1.3
	baz=152					
CPCT	Cooper Cave	30.37	341	eP	P	21 57 08.7 +1.2
	comp=Z,6.8nm,0.9s					
W50A	Signal Mountain	30.40	340	eP	P	21 57 08.0 +0.1
	comp=Z,8.2nm,0.8s					
W50A	Signal Mountain	30.40	340	P	P	21 57 09.6 +1.7
	baz=156					
Y46A	Houston	30.63	334	P	P	21 57 11.2 +1.3
	baz=148					
V51A	Loudon	30.64	342	eP	P	21 57 10.9 +0.9
	comp=Z,1.2nm,1.0s					
V51A	Loudon	30.64	342	P	P	21 57 11.5 +1.6
	baz=158					
X47A	Russelville	30.75	336	P	P	21 57 12.0 +1.1
	baz=150					
V50A	Pikeville	30.76	341	P	P	21 57 12.6 +1.6
	baz=147					
W48A	Pulaski	30.93	338	P	P	21 57 13.8 +0.3
	baz=153					
LNIG	Linares	30.99	308	eP	P	21 57 13.3 +0.2
	comp=Z,3.9nm,1.0s					
V49A	McMillinville	31.11	340	P	P	21 57 15.5 +1.4
	baz=155					
PLAL	Pickwick Lake	31.24	336	eP	P	21 57 16.5 +1.3
	comp=Z,1.2nm,1.1s					
W47A	Westpoint	31.28	337	P	P	21 57 16.8 +1.2
	baz=152,SNR=5.6					
W48A	Smith Brothers	31.42	338	eP	P	21 57 18.5 +1.7
	comp=Z,1.5nm,0.4s					
W48A	Smith Brothers	31.42	338	P	P	21 57 18.3 +1.5
	baz=153,SNR=8.5					
T51A	Gray	31.60	343	P	P	21 57 20.0 +1.7
	baz=159,SNR=5.6					
W47A	Nunnely	31.76	337	P	P	21 57 20.9 +1.1
	baz=152,SNR=8.6					
U48A	Cassie Pea, Po	32.01	339	P	P	21 57 23.4 +1.5
	baz=154,SNR=5.4					
CCAR	Cane Creek	32.03	330	eP	P	21 57 23.4 +1.3
	comp=Z,7.7nm,1.5s					
WVT	Waverly	32.14	337	eP	P	21 57 24.0 +0.9
	comp=Z,1.2nm,1.0s					
WVT	Waverly	32.14	337	P	P	21 57 23.8 +0.7
	baz=152					
T49A	Edmonton	32.21	341	P	P	21 57 24.8 +1.2
	baz=156					
T48A	Wooling Green	32.50	340	P	P	21 57 27.5 +1.3
	baz=155					
T47A	Sharon Grove	32.64	339	eP	P	21 57 28.6 +1.3
	comp=Z,1.0nm,0.7s					
T47A	Sharon Grove	32.64	339	P	P	21 57 28.4 +1.0
	baz=154,SNR=5.2					
S49A	Springfield	32.75	342	P	P	21 57 29.6 +1.1
	baz=157					
Y44A	Okolona	32.88	328	P	P	21 57 30.4 +0.9
	baz=141					
S48A	Wiedeman Farm,	32.88	341	P	P	21 57 30.6 +1.0
	baz=156					
R50A	Paris	32.93	344	P	P	21 57 30.9 +0.9
	baz=159					
T46A	Princeton	32.97	338	P	P	21 57 31.2 +0.9
	baz=152					
X40A	Basin Creek Fa	33.02	329	eP	P	21 57 31.5 +0.8
	comp=Z,4.4nm,0.6s					
X40A	Basin Creek Fa	33.02	329	P	P	21 57 31.3 +0.6
	baz=142					
S47A	Hartford	33.10	340	P	P	21 57 32.3 +0.9
	baz=154,SNR=5.5					
W41B	Gary Mavity, V	33.27	331	P	P	21 57 33.5 +0.6
	baz=144					
Q50A	Georgetown	33.36	344	P	P	21 57 35.2 +1.5
	baz=159					
Q51A	Peebles	33.37	345	P	P	21 57 34.9 +1.1
	baz=161					
V42A	Cord	33.38	332	P	P	21 57 34.5 +0.7
	baz=146,SNR=5.8					
WHAR	Woolly Snow	33.38	331	eP	P	21 57 34.7 +0.8
	comp=Z,9.2nm,0.9s					
S46A	Don Dixon Farm	33.48	339	P	P	21 57 35.4 +0.7
	baz=153					
WCI	Wyandotte Cave	33.48	341	eP	P	21 57 36.1 +1.4
	comp=Z,7.6nm,0.7s					
WCI	Wyandotte Cave	33.48	341	P	P	21 57 35.7 +1.0
	baz=156					
R48A	Northridge Ran	33.50	342	P	P	21 57 36.4 +1.5
	baz=157					
R47A	Woolly Knot Far	33.62	341	P	P	21 57 36.8 +1.0
	baz=155					
O56A	Blue Knob Stat	33.66	352	P	P	21 57 37.5 +1.2
	baz=170					
P52A	Corning	33.66	347	P	P	21 57 37.4 +1.1
	baz=164					
W40A	Ferguson Farm,	33.69	330	eP	P	21 57 37.8 +1.2
	comp=Z,1.7nm,0.8s					
W40A	Ferguson Farm,	33.69	330	P	P	21 57 37.2 +0.6
	baz=142,SNR=5.3					
USIN	University of	33.71	339	eP	P	21 57 37.1 +0.5
	comp=Z,16nm,0.8s					
V41A	Mountainview	33.72	331	P	P	21 57 37.1 +0.2
	baz=144,SNR=13					
U42A	Revend	33.76	333	P	P	21 57 37.6 +0.4
	baz=146					
PBMO	Poplar Bluff	33.76	334	eP	P	21 57 37.8 +0.6
	comp=Z,2.2nm,0.7s					
R46A	Gibon Southern	33.87	339	P	P	21 57 39.2 +1.1
	baz=154					
T43A	Greenville	33.96	335	P	P	21 57 39.6 +0.8
	baz=148,SNR=5.9					
P50A	Jamestown	34.03	345	P	P	21 57 40.7 +1.2

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V40A	Witts Springs	34.05	331	eP	P	21 57 40.4 +0.6
	comp=Z,8.6nm,0.6s					
V40A	Witts Springs	34.05	331	P	P	21 57 40.3 +0.5
	baz=143,SNR=9.3					
W39A	Magazine	34.06	329	eP	P	21 57 40.7 +0.9
	comp=Z,10.0nm,0.8s					
W39A	Magazine	34.06	329	P	P	21 57 40.3 +0.6
	baz=141,SNR=5.8					
S44A	Carbondale	34.06	337	P	P	21 57 40.4 +0.6
	baz=150					
U41A	Viola	34.06	332	P	P	21 57 40.3 +0.5
	baz=145,SNR=9.9					
O52A	Adairville	34.06	348	P	P	21 57 41.1 +1.4
	baz=164					
SIUC	Southern Illin	34.07	337	eP	P	21 57 40.8 +1.0
	comp=Z,1.3nm,0.6s					
Q47A	Bedord North L	34.16	341	P	P	21 57 41.7 +1.1
	baz=156,SNR=5.3					
R45A	Skyilar, Fairri	34.22	338	P	P	21 57 41.8 +0.7
	baz=152,SNR=5.8					
T42A	Van Buren	34.26	334	eP	P	21 57 41.9 +0.5
	comp=Z,1.4nm,1.1s					
T42A	Van Buren	34.26	334	P	P	21 57 42.0 +0.6
	baz=147,SNR=7.8					
S43A	Fulton Ridge,	34.29	336	P	P	21 57 42.1 +0.4
	baz=148					
BLO	Bloomington	34.41	341	eP	P	21 57 44.3 +1.5
	comp=Z,1.6nm,0.6s					
R44A	Waltonville	34.48	337	P	P	21 57 44.0 +0.7
	baz=151					
V39A	Pettigrew	34.49	330	P	P	21 57 43.7 +0.2
	baz=142,SNR=6.9					
O50A	Cable	34.50	346	P	P	21 57 44.6 +1.1
	baz=161					
U40A	Yellville	34.51	331	P	P	21 57 44.3 +0.6
	baz=144,SNR=16					
Q46A	CEJHS Indians,	34.55	340	P	P	21 57 44.7 +0.8
	baz=154					
T41A	Mountain View	34.57	333	P	P	21 57 44.7 +0.5
	comp=Z,1.4nm,1.1s					
P47A	Martinsville	34.62	342	P	P	21 57 45.4 +0.9
	baz=157					
Q45A	Warren Harvey,	34.71	339	P	P	21 57 45.8 +0.5
	baz=153					
S42A	Caledonia	34.75	335	P	P	21 57 45.8 +0.1
	baz=148,SNR=5.8					
FVM	French Village	34.78	336	eP	P	21 57 47.0 +1.1
	comp=Z,2.6nm,1.3s					
R43A	Stuedgen	34.83	336	P	P	21 57 46.8 +0.5
	baz=150					
U39A	Green Forest	34.84	330	P	P	21 57 46.6 +0.1
	baz=143,SNR=5.2</					

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

DDA 20:22:04:50.4, 36:74N, 28:20E, h16km, M1.3
ISC 20:22:04:50.7, 36:56N, 28:30E, h7km, M1.2, 7/11
ISCJB 20:22:04:51.0, 0.5, 36:55N, 0.0, 0.3, 28:25E, 0.0, 0.3, h7km, 5km, Error ellipse: s-maj=5.3km s-min=4.1km az=165.7

Main table for 2012 OCT section, listing station codes, names, coordinates, and observation details.

MEX 20:22:11:44.8, 0.9, 18:72N, 103:91W, h58km, 22km, MD3.7, Near coast of Michoacan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like R15V, MMIG, EZSV.

IDC 20:22:14:55.6, 1.3, 17:72S, 178:81W, h516km, 15km, mb3.6/9, mb1.3/8/11, mb1mx3.5/28, mbtmp4.4/11, Error ellipse: s-maj=25.3km s-min=11.0km az=146.0
ISCJB 20:22:14:57.0, 0.3, 17:61S, 0:08, 178:97W, 0.46, h539km, mb4.3/41, Error ellipse: s-maj=12.4km s-min=5.4km az=151.5

NEIC 20:22:14:56.2, 0.5, 17:50S, 178:97W, h513km, 6km, mb4.3/26, Error ellipse: s-maj=9.4km s-min=4.2km az=151.0
ISC 20:22:14:57.5, 0.5, 17:64S, 0:10, 178:85W, 0:07, h539km, n66, r134/74, mb4.3/41, 1C-1D, Fiji Islands region

Main table for 2012 OCT section, listing station codes, names, coordinates, and observation details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like FORT Forrest, SOEI, LUWI.

ISCJB 20:22:45:19.7, 0.2, 47:01N, 0:01, 17:14E, 0:02, h12km, 1km, Error ellipse: s-maj=1.9km s-min=1.6km az=44.9
ZUR 20:22:45:21.7, 47:00N, 7:22E, h8km, 1km, MLH2.3/14, Error ellipse: s-maj=3.4km s-min=0.8km az=220.0
STR 20:22:45:23.0, 0.3, 47:14N, 2:2, h12km, 2km, M2.6/9, MLV2.6/9

Main table for 2012 OCT section, listing station codes, names, coordinates, and observation details.

LDG 20:22:45:22.1, 0.1, 47:00N, 7:17E, h8km, Md2.7/3, M1.2, 6/18, Error ellipse: s-maj=1.1km s-min=1.0km az=64.0
BGR 20:22:45:23.0, 0.4, 47:05N, 7:18E, h10km, ML2.3/9, Error ellipse: s-maj=7.8km s-min=4.4km az=31.2
PRU 20:22:45:25.3, 0.0, 45:58N, 9:18E, h17km, Error ellipse: s-maj=1.0km s-min=0.7km az=176.0

Main table for 2012 OCT section, listing station codes, names, coordinates, and observation details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like CABF, FIESA, BNALP.

ISCJB 20:22:45:21.0, 0.9, 47:02N, 0:01, 17:16E, 0:01, h17km, 7km, n81, r1508/172, 17C-10D, Switzerland

Main table for 2012 OCT section, listing station codes, names, coordinates, and observation details.

Table with columns for station name, coordinates, time, and status. Includes stations like Sheshan, Korea Array, Wujun Array, etc.

Table with columns for station name, coordinates, time, and status. Includes stations like Wuhuan, Pattaya, Petropavlovsk, etc.

Table with columns for station name, coordinates, time, and status. Includes stations like Enshi, Pattaya, Chaiyaphum, etc.

KUU	Kurty	comp=Z,32nm,1.8s	99.47 313	i/P	Pdf	23 14 10.4	-0.9
KUU	Berezinski	comp=Z,172nm,2.5s			PP	23 18 13.6	-1.8
KUU					PP	23 26 0.0	-0.4
KUU					SKSac	23 58 52.6	ZEI
JCT	Junction City	comp=Z,3um,20.6s	99.80 61	e/Pdf	Pdf	23 14 14.8	+1.7
JCT	Junction City	comp=Z,12nm,1.0s	99.80 61	P	Pdf	23 14 13.5	+0.4
NIL	Nilore		100.14 302	e/Pdf	Pdf	23 14 14.5	0.0
NIL	Nilore		100.14 302	e/P	Pdf	23 14 14.5	0.0
FRU	Bishkek		100.54 312	e	Pdf	23 14 15.0	-1.1
FRU				e		23 32 40.0	
FRU				e		23 32 40.0	
BRZ	Bhuj	comp=Z,86nm,2.2s	101.53 291	e/P	Pdf	23 14 21.9	+1.0
BRZ	Berezinski	comp=Z,50nm,2.6s	102.78 319	e/P	Pdf	23 14 25.3	-0.5
BRZ				i/PP	PP	23 18 38.2	-1.9
BRZ				e/S	SKSac	23 25 02.3	+0.3
BRZ				LR	LR	00 02 49.8	
KK31	Karatay Array	comp=Z,1um,19.5s	103.56 311	e/Pdf	Pdf	23 14 29.4	-0.1
KK31	Karatay Array		103.56 311	e/P	Pdf	23 14 29.4	-0.1
KKAR	Karatay Array		103.56 311	e/Pdf	Pdf	23 14 29.4	-0.1
KKAR	Karatay Array		103.56 311	e/Pdf	Pdf	23 14 29.4	-0.1
IUG	Iuzhnyy		103.81 310	e/Pdf	Pdf	23 14 30.5	-0.2
IUG				i/PP	PP	23 18 47.1	-1.1
IUG				i/S	SKSac	23 25 07.7	+0.3
BRVK	Borovyoye		104.51 322	e/Pdf	Pdf	23 14 32.9	-0.5
BRVK	Borovyoye		104.51 322	e/P	Pdf	23 14 32.9	-0.5
ULM	Lac du Bonnet		105.10 41	PKKPbc	PKKPbc	23 30 16.4	-2.7
RES	Resolute Bay	comp=Z,1.6nm,0.7s,baz=242,slow=1.7,SNR=4.8	105.25 16	PKKPbc	PKKPbc	23 30 15.8	-3.4
ARU	Arti		111.18 325	i/PP	PKIKP	23 19 01.3	-0.4
ARU				PPP	PPP	23 19 42.2	-0.3
ARU				PPP	PPP	23 22 04.3	
ARU				SS	SS	23 26 10.5	
ARU				SS	SS	23 29 06.4	-0.9
ARU				SS	SS	23 35 04.4	-6.4
ARU				MLR	MLR	23 39 16.7	
ABPO	Ambohimpanom	comp=Z,5um,23.0s	112.08 243	e/PP	PKIKP	23 19 03.9	-0.8
ABPO	Ambohimpanom		112.08 243	e/PP	PKIKP	23 19 03.9	-0.8
GEYT	Alibek	comp=Z,3.3nm,0.9s,baz=101,slow=4.5,SNR=12	112.75 306	PKIKP	PKIKP	23 19 04.1	-1.1
SOHO	SOHO	SNR=19	113.56 291	i/P	PKIKP	23 19 05.5	-1.7
TKL	Tuckaleechee C		113.65 57	PKKPab	PKKPab	23 29 55.8	-1.2
SPA0	Spitsbergen Ar	comp=Z,3.8nm,0.9s,baz=125,slow=5.0,SNR=4.6	113.72 354	e/PP	PKIKP	23 19 05.8	-0.2
UOSS	Minazif	SNR=5.6	113.93 291	P	PKIKP	23 19 07.4	-0.5
UOSS	Minazif	SNR=7.7	113.93 291	i/P	PKIKP	23 19 06.0	-1.9
HATD	Hatta, Dubai	SNR=7.3	113.98 291	P	PKIKP	23 19 08.0	0.0
HATD	Hatta, Dubai	SNR=11	113.98 291	i/P	PKIKP	23 19 06.9	-1.1
MSFE	Esma-Masafi	SNR=5.8	114.00 292	i/P	PKIKP	23 19 07.4	-0.6
ASHO	Ashtiyah	SNR=6.2	114.04 291	P	PKIKP	23 19 07.3	-0.8
ASHO	Ashtiyah	SNR=10	114.04 291	i/P	PKIKP	23 19 07.3	-0.8
SHME	Shamm		114.06 293	P	PKPdf	23 19 07.6	-0.5
ALNE	Al Ain		114.27 290	P	PKPdf	23 19 07.5	-1.0
NAZ	Nazwa, Dubai	SNR=3.1	114.42 291	P	PKPdf	23 19 09.0	+0.2
NAZ	Nazwa, Dubai	SNR=7.0	114.42 291	i/P	PKPdf	23 19 08.6	-0.2
ASUD	Al Ashush, Dub		114.76 391	P	PKPdf	23 19 09.0	-0.3
PRGR	Permogore		116.30 333	e/PP	PKIKP	23 19 10.2	-1.2
PRGR				e/PP	PKIKP	23 19 10.2	-1.2
LAGR	Danmarks Havn	comp=Z,29nm,0.9s	116.74 1	i/P	PKKPbc	23 29 36.5	-4.9
LAGR	Danmarks Havn	comp=Z,10nm,0.9s			PKKPbc	23 29 36.5	-4.9
APA	Apacity		118.09 342	i/PP	PKIKP	23 19 16.2	+1.6
APA				e/PP	PKIKP	23 19 16.2	+1.6
LPAZ	La Paz	comp=Z,29nm,0.8s	118.30 117	PKP	PKPdf	23 19 15.7	-1.6
LPAZ	La Paz	comp=Z,2.4nm,0.5s,baz=103,slow=1.7,SNR=11			PKKPbc	23 29 34.2	-1.0
LPAZ	La Paz	comp=Z,2.8nm,0.8s,baz=185,slow=1.1,SNR=6.8			PKKPbc	23 29 34.2	-1.0
LPAZ	La Paz	comp=Z,2.3nm,0.7s,baz=307,slow=8.6,SNR=4.3			PKKPbc	23 29 58.8	-5.5
LPAZ	La Paz		118.30 117	e/PP	PKIKP	23 19 16.0	-1.3
LPAZ	La Paz			e/PP	PKIKP	23 29 34.2	-1.0
LPAZ	La Paz			e/PP	PKIKP	23 29 58.8	-5.5
KEV	Kevo		118.45 345	e/PP	PKIKP	23 19 16.9	+1.7
ARCES	ARCCESS Array B	comp=Z,35nm,0.6s,baz=55,slow=1.8,SNR=44	118.98 345	PKP	PKPdf	23 19 14.4	-1.9
ARCES	ARCCESS Array B	comp=Z,12nm,0.8s,baz=228,slow=1.6,SNR=22	118.98 345	e/PP	PKIKP	23 29 29.0	-3.5
ARCES	ARCCESS Array B		118.98 345	e/PP	PKIKP	23 19 15.0	-1.3
ARCES	ARCCESS Array B		118.98 345	e/PP	PKIKP	23 29 29.0	-3.5
ARCES	ARCCESS Array B		118.98 345	e/PP	PKIKP	23 19 15.0	-1.3
AREO	ARCCESS Array S		118.98 345	e/PP	PKIKP	23 19 16.9	+0.5
AREO	ARCCESS Array S		118.98 345	e/PP	PKIKP	23 19 16.9	+0.5
SUMG	Summit		119.19 8	e/PP	PKIKP	23 19 17.2	+0.1
SUMG	Summit		119.19 8	i/P	PKIKP	23 29 30.5	-1.5
SUMG	Summit	comp=Z,92nm,0.9s	119.19 8	e/PP	PKIKP	23 19 17.2	+0.1
KT1K	Kautokoino		119.19 346	e/PP	PKIKP	23 19 17.2	+0.8
MAK	Makhachkala		120.37 312	e	Pdf	23 15 32.4	-1.2
MAK				e		23 19 18.6	
MAK				e		23 26 10.9	
MAK				e/SS	SS	23 37 13.1	+1.2
MAK				e/SS	SS	23 37 13.1	+1.2
TRO	Tromso	comp=Z,273nm,1.3s	120.41 347	e/PP	PKIKP	23 19 18.2	-0.8
AKT	Akty		120.45 310	i/PP	PKIKP	23 19 20.2	+0.1
AKT				e/PP	PKIKP	23 20 49.3	
SFJD	Kangerlussuaq	comp=Z,36nm,1.0s	121.25 16	PKKPbc	PKKPbc	23 29 21.2	-3.6
SFJD	Kangerlussuaq	comp=Z,7.4nm,0.6s,baz=163,slow=8.5,SNR=5.2	121.25 16	P	PKKPab	23 29 21.6	-1.0
LGD	Lagodekhi		121.49 311	e/PP	PKIKP	23 19 21.3	-0.6
GROC	Groznyy		121.56 313	i/P	Pdf	23 15 49.0	-0.5
GROC				i		23 19 21.4	
GROC				e/PS	PS	23 20 54.4	
GROC				e/PS	PS	23 30 49.8	+1.6
GROC				e/PP	PKIKP	23 30 49.8	+1.6
DDFL	Dedoflistskaro	comp=Z,72nm,1.4s	121.65 310	P	PKPdf	23 19 24.3	+2.0
CDUP	Villa Florida		121.70 133	PKP	PKPdf	23 19 20.1	-2.8
CPUP	Villa Florida	comp=Z,10nm,1.1s,baz=252,slow=2.1,SNR=13			PKKPbc	23 29 21.7	-0.5
CPUP	Villa Florida	comp=Z,1.5nm,0.7s,baz=157,slow=7.4,SNR=3.5			PKKPbc	23 29 21.7	-0.5
CPUP	Villa Florida		121.70 133	e/PP	PKIKP	23 19 21.4	-1.4
CPUP	Villa Florida		121.70 133	e/PP	PKIKP	23 29 21.7	-0.5
CPUP	Villa Florida		121.70 133	e/PP	PKIKP	23 19 21.4	-1.4
VRH	Novokhopovskoy		122.09 322	e/PP	PKIKP	23 20 54.3	
VRH				e/PS	SS	23 30 47.6	-4.9
VRH				e/SS	SS	23 37 33.3	+0.7
VRH				e/SS	SS	23 37 33.3	+0.7
DGRG	David-gareji	comp=Z,50nm,1.0s	122.20 311	P	PKPdf	23 19 21.8	-1.6
DGRG	David-gareji		122.20 311	e/PP	PKIKP	23 19 21.8	-1.6
MOS	Moscow		122.27 329	e/PP	PKIKP	23 19 19.9	-3.6
MOS				e/PP	PKIKP	23 29 59.3	
MOS				e/PP	PKIKP	23 30 46.6	
MOS				e/PS	PS	23 30 50.1	-6.4
MOS				e/PPS	SS	23 32 13.6	
MOS				e/SS	SS	23 37 43.1	+4.2
MOS				e/PP	PKIKP	23 37 43.1	+4.2
STEI	Steigen	comp=Z,52nm,1.4s	122.58 348	e/PP	PKIKP	23 19 23.5	+0.3
TBLG	Delisi		122.61 311	P	PKPdf	23 19 22.3	-1.8
TBLG	Delisi		122.61 311	e/PP	PKIKP	23 19 22.3	-1.8
LOF	Lofoten		122.75 348	e/PP	PKIKP	23 19 24.0	+0.4
SCO	Scorebysund		122.88 3	e/PP	PKIKP	23 19 23.4	+0.3
SCO	Scorebysund		122.88 3	e/PP	PKIKP	23 19 23.4	+0.3
GNI	Garni		122.91 309	e/PP	PKIKP	23 19 25.7	+0.8
GNI	Garni	SNR=7.7	122.91 309	P	PKPdf	23 19 25.7	+0.8

GNI	Garni		122.91 309	i/P	PKPdf	23 19 25.8	+0.8
GNI	Garni	SNR=7.5	122.91 309	i/PP	PKIKP	23 19 24.3	-0.6
GNI	Garni			MLR	MLR	23 19 24.3	-0.6
TRLG	Trialeti	comp=Z,7um,22.0s			PKIKP	23 19 24.3	-0.8
ZEI	Tsey		123.00 312	i/PP	PKIKP	23 19 24.3	-0.8
NCK	Naichik	comp=Z,24nm,1.1s	123.06 313	i/PP	PKIKP	23 19 25.0	+0.1
LPSR	Galich ya Gora		123.19 325	e/PP	PKIKP	23 19 24.6	-0.2
LPSR		comp=Z,90nm,1.3s			PKIKP	23 19 24.6	-0.2
ONI	Oni		123.37 312	P	PKPdf	23 19 25.2	-0.4
ONI	Oni		123.37 312	P	PKPdf	23 19 25.2	-0.4
VORR	Voronezh		123.39 324	i/PP	PKIKP	23 19 23.0	-2.2
VORR	Voronezh			e/PP	PKIKP	23 19 23.0	-2.2
OBN	Obninsk	comp=Z,300nm,1.2s	123.39 328	e/PP	PKIKP	23 19 24.6	-0.4
OBN	Obninsk		123.39 328	i/PP	PKIKP	23 19 24.5	-0.6
OBN				i/SS	SS	23 21 03.3	
OBN				i/SS	SS	23 37 05.0	+5.8
OBN				e/PP	PKIKP	23 37 05.0	+5.8
KBZ	Khabaz	comp=Z,35nm,0.9s	123.50 314	PKP	PKPdf	23 19 24.9	-0.7
KBZ	Khabaz	comp=Z,9.7nm,0.9s,baz=116,slow=0.6,SNR=11	123.50 314	PKP	PKPdf	23 19 25.0	-0.7
BGD	Bogdanova		123.55 311	P	PKPdf	23 19 26.1	-0.1
VSR	Storozhevo		123.58 323	e/PP	PKIKP	23 19 23.4	-2.2
VSR				e/PS	SS	23 26 32.4	
VSR				e/PS	SS	23 31 01.0	-4.7
VSR				e/SS	SS	23 37 49.7	-2.4
VSR				e/SS	SS	23 37 49.7	-2.4
KIV	Kislovodsk	comp=Z,50nm,1.1s	123.59 314	e/PP	PKIKP	23 19 25.2	-0.8
KIV	Kislovodsk		123.59 314	P	PKPdf	23 19 26.4	+0.4
KIV	Kislovodsk	SNR=6.1	123.59 314	i/P	PKIKP	23 19 25.9	-0.1
KIV	Kislovodsk			e/P	Pdf	23 15 57.0	-1.6
KIV				SP	SP	23 19 25.3	
KIV				SS	SS	23 21 06.3	
KIV				e/PS	SS	23 26 23.2	
KIV				e/SS	SS	23 31 03.6	-2.8
KIV				e/SS	SS	23 37 51.9	-1.1
AKH	Akhalkalaki	comp=Z,32nm,1.1s	123.59 311	i/P	PKIKP	23 19 26.3	+0.1
AKH	Divnogorie		123.60 323	e/PP	PKIKP	23 19 24.7	-0.9
WORD				e/PP	PKIKP	23 21 03.8	
WORD				e/PP	PKIKP	23 21 03.8	
RAYN	Ar Rayn	comp=Z,50nm,1.6s	123.62 289	e/PP	PKIKP	23 19 25.9	-0.7
RAYN	Ar Rayn		123.62 289	i/P	PKIKP	23 19 26.0	-0.6
RAYN	Neytrino		123.74 313	i/PP	PKIKP	23 19 27.2	+0.8
SDV	Santo Domingo		123.76 88	e/PP	PKIKP	23 19 26.6	-0.7
SUR	Sutherland		123.80 215	e/PP	PKIKP	23 19 27.5	+0.5
BOSA	Boshof		123.83 221	PKP	PKPdf	23 19 25.6	-1.5

Table with columns: RES, Name, Date, Time, Az, El, Dist, Az, El, Dist, Az, El, Dist. Includes entries like KLNR Kaliningrad, LANS Langenberg, CDF Champ du Feu, etc.

Table with columns: RES, Name, Date, Time, Az, El, Dist, Az, El, Dist, Az, El, Dist. Includes entries like RES Resolute Bay, RES Resolute Bay, RES Resolute Bay, etc.

Table with columns: DRGR, Name, Date, Time, Az, El, Dist, Az, El, Dist, Az, El, Dist. Includes entries like DRGR Bucovina Ar. S, BUR04 Bucovina Ar. S, BUR04 Bucovina Ar. S, etc.

21d Oh

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like GEYT Alibeck, SEY Seymour, and many others.

2012 OCT

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like HLID Hailey, KBK Karagaybulak, and many others.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like CCUT Cedar City, R11A Troy Canyon, and many others.

Table with columns: CFR, Carcali, 4.61 352, Pn, 00 49 20.5 +2.2, etc.

IDC 21 00:53:15.4, 1.4, 53.64N, 163.76W, h0km, mb4, 1/19, mb1 4.2/21, mb1mx3.9/66, mbtmp4.1/21, ML3.4/2, MS4.0/1, Ms=14.0/1, ms1mx3.3/53, Error ellipse: s-maj=36.1km s-min=16.5km i=62

ISCJB 21 00:53:17.0-0.9, 53.34N, 0.0166:163.52W, 0.07, h34km, 6km, mb4, 1/18, MS4.0/1, Error ellipse: s-maj=11.4km s-min=5.2km az=153.6

NEIC 21 00:53:17.4-0.0, 53.38N, 163.59W, h33km, ML3.4(AEIC), After AEIC.

ISC 21 00:53:17.9-2.5, 53.5N, 0.1x163.65W, 0.06, h22km, 16km, n61, 0.970/59, mb4, 2/18, Unimak Island region

Main table for 21d 1h section, listing station names, coordinates, and times for various stations like WESE, AKUT, etc.

IDC 21 00:57:20.3-1.2, 14.79S, 166.78E, h0km, mb3.5/4, mb1 3.8/5, mb1mx3.7/32, mbtmp3.6/5, ML3.7/1, Error ellipse: s-maj=38.2km s-min=28.9km az=114.0, Vanuatu Islands

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

ISCJB 21 01:03:44.0-0.4, 66.15N, 0.03:18.71W, 0.05, h12km, 2km, mb3.9/26, Error ellipse: s-maj=5.6km s-min=2.9km az=12.2

REY 21 01:03:43.3, 66.29N, 18.75W, h10km, mb3.8/13, mb1 4.0/18, mb1mx3.8/46, mbtmp3.8/18, ML3.1/4, Error ellipse: s-maj=13.9km s-min=11.3km az=172.0

NEIC 21 01:03:45.0-0.2, 66.01N, 18.68W, h10km, mb4, 1/13, ML4.3(REY), Error ellipse: s-maj=8.1km s-min=4.0km az=196.0

ISC 21 01:03:44.6-1.0, 66.18N, 0.05:18.67W, 0.02, h7km, 6km, n68, 0.186/80, mb4, 0/30, Iceland region

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

Main table for 2012 OCT section, listing station names, coordinates, and times for various stations like IHLA, IBRE, etc.

IDC 21 01:09:56.4-8.2, 17.30S, 168.23E, h128km, 107km, mb3.7/4, mb1 3.8/5, mb1mx3.4/45, mbtmp4.0/5, ML3.4/1, MS3.8/1, Ms1 3.8/1, ms1mx3.1/28, Error ellipse: s-maj=126.9km s-min=47.6km az=138.0, Vanuatu Islands

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

Table with columns: DZM, RPZ, WRA, ASAR, FITZ, SONM, etc.

REY 21 01:25:15.5, 66.30N, 18.77W, h8km, Iceland region

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

MOS 21 01:25:20.6-1.0, 66.29N, 18.78W, h10km, mb5.3/123, MS5.0/50, Error ellipse: s-maj=7.0km s-min=3.8km az=107.4

IDC 21 01:25:20.7-0.3, 66.26N, 18.79W, h0km, mb4.6/39, mb1 4.7/46, mb1mx4.6/55, mbtmp4.6/46, ML3.9/6, MS5.0/39, Ms1 5.0/39, ms1mx5.0/43, Error ellipse: s-maj=9.0km s-min=8.1km az=7.0

BUI 21 01:25:21.5, 66.74N, 18.39W, h6km, mb5.0/53, mb5.5/48, Ms=5.5/52, Ms7.5/350

ISCJB 21 01:25:21.7-0.1, 66.26N, 0.01:18.76W, 0.02, h16km, mb5.2/466, MS5.2/179, Error ellipse: s-maj=2.1km s-min=1.1km az=13.1

REY 21 01:25:21.2, 66.30N, 18.71W, h11km, NEIC 21 01:25:22.6-0.1, 66.31N, 18.67W, h10km, mb5.4/299, MS5.2/109, MW5.5, ML5.3(REY), Error ellipse: s-maj=2.4km s-min=1.3km az=194.0

NEIC Felt at Akureyri and Siglufjorður.

NEIC 21 01:25:23.0-0.0, 66.23N, 19.00W, h11km, Moment Tensor Solution, s33 Moment tensor: Scale 1077Nm, Mr=1.88; Ms=0.03; Ml=0.85; Mtr=0.78; Mbr=0.59; Mtr=0.07; Best double couple: M2=10000+1017 NP1s=325.00000, s52.00000, A=115.00000, NP2s=182.00000, s44.00000, A=61.00000. Principal axes: T 2.0500, Plg4.0000, Azm72.0000, N 0.1100, Plg19.0000, Azm340.0000, P -2.1600, Plg69.0000, Azm174.0000;

GCMT 21 01:25:23.0-0.1, 66.42N, 0.01:18.74W, 0.01, h12km, MW5.6/126, Moment Tensor Solution, s85, c128; s126, c357; Duration: 1s5 Moment tensor: Scale 1017 Nm; Mr=2.44; Ms=0.03; Ml=0.06; Mtr=0.52; Mbr=0.02; Mtr=1.22; Ml=1.1; Mbr=0.93; Mtr=0.52; Mbr=0.02; Best double couple: M2=95500+1017 NP1s=322.00000, s58.00000, A=114.00000, NP2s=182.00000, s39.00000, A=57.00000. Principal axes: T 2.9520, Plg10.0000, Azm69.0000; N 0.0020, Plg20.0000, Azm335.0000; P -2.9580, Plg68.0000, Azm183.0000; nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function

NAO 21 01:25:26.2-1.0, 66.53N, 18.43W, h15km, 147km, ML5.5

ISC 21 01:25:22.3-0.4, 66.28N, 0.02:18.71W, 0.02, h7km, 2km, h8km; p-P, 11378, 0.1548/1443, mb5.3/472, MS5.1/188, 49C-27D, Iceland region

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

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

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

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

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

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

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

Table with columns for station call letters, name, frequency, and other details. Includes stations like Musomiste, Caltabellotta, SRS, VAE, KEST, etc.

Table with columns for station call letters, name, frequency, and other details. Includes stations like ULM, Lac du Bonnet, ULM, etc.

Table with columns for station call letters, name, frequency, and other details. Includes stations like J43A, Natural Harves, I41A, etc.

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Table with columns: YAK, Yakutsk, 49.91 19, eP, P, 01 34 14.2 -1.5, 01 34 18.0 0.0, 01 41 22.9 -2.5, BOD, comp=Z,30nm,1.5s, 51.28 293, eP, P, 01 34 28.9 +2.2, etc.

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Table with columns: BOD, comp=Z,30nm,1.5s, 51.28 293, eP, P, 01 34 28.9 +2.2, 151A, comp=Z,91nm,1.5s, 51.31 263, P, P, 01 34 26.2 -0.5, etc.

KSCO Kaye Shedlock' 52.65 283 P P 01 34 36.0 -0.7

Table with columns: KSCO Kaye Shedlock', 52.65 283, P, P, 01 34 36.0 -0.7, AHID Auburn Hatcher, 52.68 292, eP, P, 01 34 36.7 -0.3, 151A, comp=Z,91nm,1.5s, 51.31 263, P, P, 01 34 26.2 -0.5, etc.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like YSS, HHC, MDJ, CN2, ZAIG, USRK, SNY, BJI, BJT, LZH, MOC, PYUN, KOLN, BRRC, ZARC, KKN, DMN, PKIN, LSA, RUSC, CHIC, ROSC, XAN, TIA, KS01, KSRS, KSAR, CD2, TJN, SHL, POPC, MBAR, SOTA, MAJO, MAT, MJAR, MJAR, ENH, NJ2, NJ2, NJ2, NJ2.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like HYB, KMBO, OTAV, GYA, KMI, SAML, PAYG, CHTO, CHTO, CHTO, CHTO, CMAR, CMAR, CM01, PHRA, TATO, TATO, BDFB, BDFB, NONG, QIZ, QIZ, QIZ, QIZ, CHAI, PALK, LSZ, NNA, LPAZ, LPAZ, WAKE, LVC, LVC, CPUP, DGAR, ABPO, DAV, DAV, LCO, LCO, TRQA, TRQA, TAOE, COCO, COCO, RKT, PPT2, HNR.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like HNR, TBI, MBWA, WRAB, WRAB, WRA, WB2, CTAO, AS31, ASAR, AS01, PMSA, VNA2, SYO, STKA, MAW, SNZO, TAU, QSPA, SBA, VNSA, VNSA.

TRN 21:01:33:50.8, 14.87N-61.17W, h173km, MD3.5, 1C, Windward Islands

Table with columns: Code, Station Name, Time, Res, and various codes. Includes stations like BAMF, CXM, PCL, PML, FDF, ZAM, TRMF, LPMF, MVM, DLPL, MDN, BBL, MDPO, MDPO, MDVC, SLW, SVB, MGG, MGG, SLDE, MAGL, MAGL, CBE, CBE, DEG, DEG, SVB, SVB, ABD, ABD, MLYT, MLYT, BGGH, GRHS, ANWB, SMRT.

TRN 21:02:01:21.5, 17.49N-61.94W, h30km, MD3.8, 2C, Leeward Islands

Table with columns: Code, Station Name, Time, Res, and various codes. Includes stations like ANWB, MBWH, MLYT, SEUS, SEUS, ABD, SEG, SMRT, SMRT, SABA, LZG, SSG, FNG, DEG, CBE, CBE, CRG, TAG, TAG, TBG, TBG, MAGL, MAGL, MGG, MDPV, MDPV, MDPV, BBL, DLPL, BAMF, FDF, SVB, SVBC.

DDA 21 02:13:47.7, 37.07N-44.14E, h10km, M13.0
ISK 21 02:13:47.2, 36.97N-44.02E, h6km, M13.2/10
ISN 21 02:13:47.0, 36.63N-44.27E, h3km, M2km, M2.5
ISC 21 02:13:44.6, 2.7, 37.02N-0.09, 44.30E-0.08, h0km, M13km, n25, e088/33, Turkey-Iran border region

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like P49A Miami Univ. Ec, W039A Fountain Ranch, X51A Pataskala, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like Y52A Libburn, Y52A Libburn, 347A Saraland, etc.

IS/CJB 21 03:22:17.3:0.4,50.26N:0.03:18.71E:0.02,h0km, Error ellipse: s-maj=4.0km s-min=2.1km az=5.4, VIE 21 03:22:18.0:1.4,50.56N:18.35E,h0km,mb2.1/2,m2.4/5, Error ellipse: s-maj=15.7km s-min=10.6km az=128.0 57 km NW of Katowice Suspected Mining induced. WAR 21 03:22:19.6:50.23N:18.87E,h1km,Mw2.7, ISC 21 03:22:18.6:0.8,50.22N:0.03:18.77E:0.02,h0km,n38, c0594/62,6C-3D,Poland

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like CHZP Chorzow, CHZP Chorzow, CHZP Chorzow, etc.

IDC 21 03:24:01.6:0.9,43.74N:86.85E,h0km,mb3.9/8, mb1 3.9/12,mb1mx3.6/58,mbtms3.8/12,ML3.34,MS2.7/1, Ms1 2.7/1,ms1mx2.4/46, Error ellipse: s-maj=39.9km s-min=12.4km az=48.0

ISC/JB 21 03:24:03.7:0.4,43.98N:0.05:86.99E:0.06,h20km, mb3.9/9, Error ellipse: s-maj=9.3km s-min=4.6km az=32.4, NEIC 21 03:24:03.8:0.5,43.93N:86.96E,h10km,mb4.1/1, Error ellipse: s-maj=11.4km s-min=7.4km az=56.0

NNC 21 03:24:05.2:4.3,44.05N:86.89E,h0km,mb4.1,mpv3.7, Error ellipse: s-maj=35.6km s-min=22.6km az=116.0, BUJ 21 03:24:05.9:43.87N:87.06E,h10km,ML3.7, ISC 21 03:24:03.7:0.6,43.93N:0.07:87.20E:0.06,h20km,n26, c169/34,mb4.0,9C-7D,Northern Xinjiang

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like WMQ Urumqi, MK31 Makanchi Array, MK31 Makanchi Array, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like KURBB Kurchatov Arra, KURBB Kurchatov, KURK Kurchatov, etc.

SOME 21 03:26:54.1,40.38N:73.23E,h5km, KRNET 21 03:26:55.9:0.1,40.37N:73.32E,h16km,mb3.8, NNC 21 03:26:56.4:0.5,40.38N:73.38E,h0km,mb4.1,mpv3.7, Error ellipse: s-maj=11.4km s-min=2.4km az=78.0, ISC 21 03:26:55.9:1.1,40.39N:0.03:73.38E:0.03,h8km,n12km, n47,c1925/80,39C-13D,Kyrgyzstan

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like SFK Sufi-Kurgan, SFK Sufi-Kurgan, SFK Sufi-Kurgan, etc.

21d 3h

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

ISCJCB 21 03:32:27.5-0.2, 51.52N-01.16, 14E-0.02, h0km, Error ellipse: s-maj=2.1km s-min=1.8km az=24.7

IDC 21 03:32:30.6-0.6, 51.51N-15.99E, h0km, mb1 3.4/8, mb1mx3.2/54, mbtmp3.3/8, ML3.0/8, Error ellipse: s-maj=9.8km s-min=5.9km az=106.0

BGR 21 03:32:30.8-0.3, 51.50N-16.13E, h1km, ML3.4/16, Error ellipse: s-maj=4.4km s-min=2.2km az=16.0

VIE 21 03:32:32.9-0.9, 51.27N-16.22E, h0km, mb2 8.6, m3.2/6, Error ellipse: s-maj=8.6km s-min=7.7km az=47.0 58 km

WWN of Wrocław Suspected Mining induced, UPP 21 03:32:32.6-2.7, 51.65N-15.39E, h0km, ML2.1

ISC 21 03:32:28.0-0.6, 51.58N-0.03, 16.15E-0.02, h0km, m77, r150/149, 5C-2D, Poland

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

CLL Collim, 1.99 263 ePn Pg 03 33 07.0 +0.9

CLL Collim, 1.99 263 ePn Pg 03 33 07.0 +0.9

CLL Collim, 1.99 263 ePn Pg 03 33 07.0 +0.9

CLL Collim, 1.99 263 ePn Pg 03 33 07.0 +0.9

CLL Collim, 1.99 263 ePn Pg 03 33 07.0 +0.9

CLL Collim, 1.99 263 ePn Pg 03 33 07.0 +0.9

CLL Collim, 1.99 263 ePn Pg 03 33 07.0 +0.9

CLL Collim, 1.99 263 ePn Pg 03 33 07.0 +0.9

CLL Collim, 1.99 263 ePn Pg 03 33 07.0 +0.9

CLL Collim, 1.99 263 ePn Pg 03 33 07.0 +0.9

CLL Collim, 1.99 263 ePn Pg 03 33 07.0 +0.9

CLL Collim, 1.99 263 ePn Pg 03 33 07.0 +0.9

CLL Collim, 1.99 263 ePn Pg 03 33 07.0 +0.9

2012 OCT

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

IDC 21 03:32:37.4-2.7, 36.21N-142.33E, h0km, mb3.5/3, mb1 3.6/5, mb1mx3.4/59, mbtmp3.6/5, ML3.3/2, MS2.8/1, Ms1 2.8/1, ms1mx2.3/40, Error ellipse: s-maj=60.6km

s-min=27.5km az=67.0, JMA 21 03:32:39.8-1.4, 36.29N-104.142E, 0.10, h15km, n24, r132/21, mb3.6/3, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Includes stations like CHOU Chosi, JHO Hitachi, JHU Hitachinouchi, etc.

972

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Includes stations like H11S2 WAKE ISLAND Hy 27.99 123 T, SONM Songino Array 28.68 305 P, MKAR Makanchi Array 45.00 303 P, etc.

IDC 21 03:43:24.6-1.0, 66.09N-18.54W, h0km, mb3.6/4, mb1 3.9/5, mb1mx3.5/45, mbtmp3.7/5, ML2.6/1, MS3.5/15, Ms1 3.5/15, ms1mx3.3/44, Error ellipse: s-maj=24.8km

s-min=13.6km az=140.0, REY 21 03:43:25.7, 66.30N-18.74W, h8km, ISC 21 03:43:25.4-1.0, 66.26N-18.03, h83W, 0.03, h8km, 7km, n43, r153/47, mb3.8/6, MS3.5/6, Phase ID

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Includes stations like ISIG Siglufjorour, IBRE Brettingsstaoi, IHLA Hella, etc.

NEIC 21 03:50:56.8-1.6, 19.14S-175.81W, h160km, 16km, mb4.3/1, Error ellipse: s-maj=19.5km s-min=12.1km az=129.0

IDC 21 03:50:56.8-2.8, 19.42S-175.81W, h158km, 27km, mb4.6/4, mb1 4.4/8, mb1mx3.8/35, mbtmp4.8/8, Error ellipse: s-maj=24.3km s-min=16.2km az=135.0

ISC 21 03:51:03.0-3.0, 19.65S-175.8W, 0.2, h219km, n18, r151/18, mb4.2/9, Tonga Islands

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include CTA Charters Tower, STKA Stephens Creek, ASAR Air Springs, etc.

NNC 21 03:52:24.0:11.0,36.90N-70.19E, h0km, mb3.5, mpv3.1, 4C-4D, Error ellipse: s-maj=83.7km s-min=72.2km az=163.0, Hindu Kush region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include SFK Sufi-Kurgan, MNAS Manas, KK31 Karatay Array, etc.

IDC 21 03:58:06.7:17.0,17.69S:178.96W, h611km, mb2.9/3, mb1 3.2/3, mb1mx2.7/43, mbtmpt3.9/3, Error ellipse: s-maj=252.3km s-min=56.6km az=171.0, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include WRA Warramunga Arr, ASAR Air Springs, TXAR Lajitas Array, etc.

ISCJB 21 04:01:24.6:0.5,37.29N:0.03:37.11E:0.03, h7km, 6km, Error ellipse: s-maj=6.6km s-min=3.6km az=32.8

DDA 21 04:01:24.6:0.37,28N:37.15E, h7km, M12.8

ISK 21 04:01:24.1,37.32N:37.11E, h6km, ML2.6/6

ISC 21 04:01:24.7:1.0,37.31N:0.03:37.13E:0.03, h9km, 8km, n20, <0558/1, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include GAZ Gaziantep, KMRS Kahramanmaraş, KUZU Kuzuni, etc.

IDC 21 04:02:17.6:1.4,16.36S:178.56W, h0km, mb4.1/7, mb1 4.4/7, mb1mx4.0/37, mbtmpt4.1/7, Error ellipse: s-maj=101.9km s-min=19.6km az=150.0, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include STKA Stephens Creek, WRA Warramunga Arr, ASAR Air Springs, etc.

BUI 21 04:09:04.6,43.45N:89.29E, h6km, mb4.5/16, mb4.6/14, ML4.9/12, Ms4.3/14, Ms7.4/07

IDC 21 04:09:04.5:0.6,43.30N:89.31E, h0km, mb4.0/19, mb1 4.2/24, mb1mx4.1/51, mbtmpt4.1/24, ML4.4/5, MS3.4/12, Ms1.3/12, ms1mx3.3/39, Error ellipse: s-maj=17.0km s-min=10.7km az=33.0

NEIC 21 04:09:06.1:0.3,43.35N:89.33E, h10km, mb4.3/6, Error ellipse: s-maj=7.6km s-min=5.7km az=13.0

ISCJB 21 04:09:07.7:0.2,43.37N:0.03:89.23E:0.03, h3km, mb4.5/63, Error ellipse: s-maj=4.0km s-min=3.2km az=33.0

MOS 21 04:09:07.7:1.3,43.47N:89.18E, h28km, mb4.9/35, Error ellipse: s-maj=7.4km s-min=4.6km az=132.9

ISC 21 04:09:10.2:0.4,43.44N:0.05:89.18E:0.10, h35km, n168, <2508/182, mb4.6/72, 6C-7D, Northern Xinjiang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include WMQ Urumqi, MK01 Makanchi Array, MK31 Makanchi Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include MK31, MKAR, MKAR, MAKZ, etc.

AAA comp=E,200nm,1.0s MLR MFLR

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include GTA Gaotai, GTA, KNGR, etc.

KURBK Kurchatov 10.2319 P Pn 04 11 33.4 -0.2

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include KURBK, KURK, KURK, etc.

KZA Karagaybulak 10.34267 P Pn 04 11 38.3 0.0

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

USP Oshpenovka 10.69274 P Pn 04 11 40.5 -0.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include UCH, ZAAO, ZALV, etc.

SOMN Songino Array 12.82 64 Pn Pn 04 12 09.1 -0.9

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include SOMN, LZH, LZH, etc.

KK31 Karatay Array 13.61275 P Pn 04 12 20.6 0.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include KK31, KKAR, DANN, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include PYUN, PKIN, PKI, etc.

AKTO Aktubinsk 22.28299 P P 04 14 03.9 -0.2

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include AKTO, SVE, ARU, etc.

GEYT Alibek 24.10267 P Pn 04 14 23.1 +0.6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include GEYT, GYA0B, CHTO, etc.

CMAR Chiang Mai Arr 26.24159 P P 04 14 44.6 +2.7

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include CMAR, KLR, KSAR, etc.

NCK Naichik 32.76286 P Pmax 04 15 43.0 +3.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include NCK, GNI, GNI, etc.

AKASG Malin Array Be 40.47302 P Pmax 04 16 47.5 +0.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include AKASG, KIEV, KIEV, etc.

ARCES ARCESS Array B 40.97331 P P 04 16 50.1 +1.1

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include ARCES, BRTR, NIE, etc.

Table with columns: Code, Station Name, Az, ZTF, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like SOKA Soboth, OBKA Obr, KBA Koelnbreinsper, etc.

Table with columns: Code, Station Name, Az, ZTF, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like PB07 IPOC Station P, PB06 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, ZTF, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like VAY Valandovo, VAY VAY, LIT Litokhoron, etc.

ISCJB 21 04:37:03.0,4,21.24S:0'03:67.89W:0'04, h168km,5km, mb3.75, Error ellipse: s-maj=7.3km s-min=5.0km az=151.4

SJA 21 04:37:03.6,0.8,21.24S:67.84W, h158km,9km, ML3.4, MW3.6

GUC 21 04:37:04.5,0.6,21.21S:68.16W, h176km,9km, ML4.0

ISC 21 04:37:05.3,2.2,21.20S:67.63W, h172km,20km, mb3.6/5, mb1.3,6/9, mb1mx3.4/31, mbtmp4.0/9, Error ellipse: s-maj=22.9km s-min=17.4km az=46.0

ISC 21 04:37:04.0,0.8,21.23S:0'04:67.88W:0'05, h160km,8km, n39, e90/56, mb4.2/5, 5C-6D, Chile-Bolivia border region

IDC 21 04:43:29.1±1.2, 40'0.60N:23.19E, h0km, mb3.2/4, mb1.3,4/6, mb1mx3.3/45, mbtmp3.3/6, ML3.4/2, Error ellipse: s-maj=21.3km s-min=13.6km az=113.0

ISCJB 21 04:43:30.6,0.3,40.72N:0'01:23.27E:0.02, h12km,2km, mb3.2/4, Error ellipse: s-maj=2.4km s-min=1.9km az=180.0

SKO 21 04:43:30.4, 40'68N:23'22E, h15km

ATH 21 04:43:30.3, 40'67N:23'27E, h21km, ML3.3/21, Error ellipse: s-maj=1.2km s-min=0.8km az=351.0, ML

Amplitudes are expressed in micrometres All distances are expressed in km

THE 21 04:43:31.1, 40'70N:23'26E, h9km, ML3.3/10, Error ellipse: s-maj=0.4km s-min=0.2km az=13.0

BE0 21 04:43:31.7±1.1, 40'68N:23.19E, h16km,5km, ML3.5/9

SIR 21 04:43:35.1, 40'72N:23'01E, h25km, Md3.77

TIK 21 04:43:31.1±1.0, 42'N:1'22.0E:0.8, h0km, ML2.4, Error ellipse: s-maj=331.1km s-min=215.2km az=12.0

ISC 21 04:43:31.0,0.7, 40'69N:0'02:23.24E:0.02, h15km,4km, n185, e126/221, mb3.3/4, 19C-9D, Greece

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

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

21d 6h

WLCH		S	Sn	06 28 50.7 +1.3
TWP	HsiaoIuochiu	1.90 306	P	Pn 06 28 22.9 +0.9
TWP			S	Sn 06 28 51.0 +1.4
CHKT	Chengkung	1.95 342	eP	Pn 06 28 21.9 -0.7
CHKT			eS	Pn 06 28 49.0 -1.7
SSD	Sandimen	1.98 320	iP	Sn 06 28 22.9 -0.1
SSD			S	Sn 06 28 49.0 -2.3
SGLT	Jiouru	2.05 316	iP	Pn 06 28 25.1 +1.4
SGLT			eS	Sn 06 28 53.1 +0.5
FULB	Fuli	2.07 341	eP	Pn 06 28 24.1 +0.2
FULB			eS	Sn 06 28 52.1 -1.0
KAU	Kaohsiung	2.07 310	eP	Pn 06 28 25.1 +1.2
KAU			eS	Sn 06 28 53.8 +0.8
ELDTW	Lidau	2.15 335	eP	Pn 06 28 24.8 -0.2
SLGT	Liugui	2.16 324	eP	Pn 06 28 25.1 +0.1
SLGT			eS	Sn 06 28 52.6 -2.4
TWM1	Shoushan	2.17 317	P	Pn 06 28 26.1 +1.0
TWM1			S	Sn 06 28 57.1 +2.0
TWF1	Yuli	2.21 342	P	Pn 06 28 25.1 -0.4
TWF1			S	Sn 06 28 54.1 -1.9
STYT	Tauyuan	2.25 329	iP	Pn 06 28 26.1 +0.1
STYT			S	Sn 06 28 54.9 -1.8
YULB	Yu-ii	2.25 343	eP	Pn 06 28 25.7 -0.2
YULB			eS	Sn 06 28 54.3 -2.5
YULB	Yu-ii	2.25 343	ePn	Pn 06 28 25.4 -0.6
YULB			eSn	Sn 06 28 54.2 -2.5
SGST	Jiashian	2.27 324	P	Pn 06 28 26.3 +0.1
SGST			S	Sn 06 28 54.9 -2.2
HGSD	Ruisui	2.31 346	eP	Pn 06 28 26.3 -0.4
HGSD			eS	Sn 06 28 56.5 -1.5
EHY	Hungye	2.35 344	eP	Pn 06 28 26.7 -0.4
EHY			eS	Sn 06 28 56.9 -1.9
CHN1	Nanshi	2.38 325	P	Pn 06 28 27.4 -0.1
CHN1			S	Sn 06 28 57.5 -1.9
WTP	Ta-pu	2.39 327	P	Pn 06 28 27.3 -0.3
WTP			eS	Sn 06 28 57.9 -1.7
CHN3	Shinhua	2.39 320	eP	Pn 06 28 28.6 +1.0
CHN3			S	Sn 06 28 59.7 +0.2
TPUB	Ta-pu	2.42 328	eP	Pn 06 28 27.9 -0.2
TPUB			eS	Sn 06 28 58.0 -2.3
TPUB	Ta-pu	2.42 328	ePn	Pn 06 28 27.6 -0.4
TPUB			eSn	Sn 06 28 57.7 -2.6
TAH1	Yung-k'ang	2.45 318	P	Pn 06 28 28.7 +0.5
TAH1			S	Sn 06 28 59.9 -0.8
YUS	Yu-Shan	2.45 336	P	Pn 06 28 29.1 +0.3
YUS			S	Sn 06 29 00.6 -1.1
TWK	Hsinying	2.47 325	eP	Pn 06 28 28.2 -0.3
TWK			eS	Pn 06 28 59.2 -2.1
EGFH	Guangfu	2.48 347	eP	Pn 06 28 28.2 -0.4
EGFH			eS	Sn 06 29 01.1 -0.4
CHN4	Tsashan	2.48 328	P	Pn 06 28 28.6 -0.1
CHN4			S	Sn 06 28 59.8 -1.8
ALS	Alishan	2.53 334	P	Pn 06 28 29.6 +0.1
ALS			eS	Sn 06 29 01.8 -1.2
SCLT	Jiali	2.57 319	eP	Pn 06 28 29.7 +0.1
SCLT			eS	Sn 06 29 01.9 -1.4
ESL	Shilin	2.62 348	eP	Pn 06 28 30.2 -0.1
ESL			eS	Sn 06 29 02.3 -2.2
CHN5	Tsauling	2.66 332	P	Pn 06 28 30.6 -0.2
CHN5			eS	Sn 06 29 03.5 -1.8
ENLB	Shoufeng	2.68 352	eP	Pn 06 28 28.1 -2.9
ENLB			eS	Pn 06 29 04.1 -1.7
CHN8	Yiju	2.69 322	P	Pn 06 28 30.8 -0.2
CHN8			eS	Sn 06 29 03.9 -1.9
CHY	Chiayi	2.69 327	eP	Pn 06 28 31.1 0.0
CHY			S	Sn 06 29 04.4 -1.6
CHN2	Minshiang	2.70 328	P	Pn 06 28 31.3 +0.1
CHN2			S	Sn 06 29 04.0 -2.0
SSLB	Suanglung	2.72 339	eP	Pn 06 28 31.2 -0.3
SSLB			eS	Sn 06 29 04.8 -1.9
SSLB	Suanglung	2.72 339	ePn	Pn 06 28 31.3 -0.3
SSLB			eSn	Sn 06 29 04.9 -1.9
WLG8	Puzi	2.74 325	eS	Sn 06 29 05.6 -1.4
HWA	Hwaiien	2.75 352	eS	Sn 06 29 05.3 -2.0
WDLH	Douliu	2.80 331	eP	Pn 06 28 31.8 -0.6
WDLH			eS	Sn 06 29 06.8 -1.5
SMLT	Sun Moon Lake	2.83 339	P	Pn 06 28 32.6 -0.3
SMLT			S	Sn 06 29 08.8 -0.4
WJS	Zhushan	2.84 335	eP	Pn 06 28 33.1 +0.2
WJS			eS	Sn 06 29 08.4 -0.7
TWD	Chiawan	2.86 352	P	Pn 06 28 33.3 +0.2
TWD			eS	Sn 06 29 07.3 -2.2
WNT	Mingjian	2.91 335	P	Pn 06 28 33.7 0.0
WNT			S	Sn 06 29 09.4 -1.1
WSF	Szhu	2.91 325	eP	Pn 06 28 32.2 -1.6
WSF			S	Sn 06 29 08.5 -2.1

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CHGB	Renai	2.92 345	eP	Pn 06 28 34.6 +0.5
CHGB			eS	Sn 06 29 11.0 -0.2
NACB	Ningchiao	2.95 352	eP	Pn 06 28 32.9 -1.3
NACB			eS	Sn 06 29 08.8 -2.8
NACB	Ningchiao	2.95 352	ePn	Pn 06 28 34.1 -0.1
NACB			eSn	Sn 06 29 10.0 -1.5
WDGT	Dungji	2.97 313	eP	Pn 06 28 33.9 -0.6
WDGT			S	Sn 06 29 09.0 -3.0
WHF	Hehuan Shan	2.98 347	P	Pn 06 28 35.5 +0.4
WHF			eS	Sn 06 29 11.3 -1.6
WMLT	Mailiao	3.05 327	eS	Sn 06 29 12.2 -1.4
RLNB	Erlin	3.06 330	eP	Pn 06 28 35.2 -0.3
RLNB			eS	Sn 06 29 11.7 -2.1
WTCT	Ta-ch'eng	3.07 329	P	Pn 06 28 35.4 -0.3
WTCT			S	Sn 06 29 11.8 -2.3
VCHM	Qimei	3.10 310	eP	Pn 06 28 35.1 -1.0
VCHM			eS	Sn 06 29 12.2 -2.5
TWT	Tachien	3.10 346	eP	Pn 06 28 37.3 +1.0
TWT			eS	Sn 06 29 13.7 -1.5
TDCB	Tedong	3.11 345	eP	Pn 06 28 36.8 +0.5
TDCB			eS	Sn 06 29 14.6 -0.6
WCHH	Zhanghu	3.14 335	P	Pn 06 28 36.7 +0.2
WCHH			eS	Sn 06 29 14.9 -0.7
TCU	Taichung	3.15 337	eP	Pn 06 28 37.2 +0.4
TCU			eS	Sn 06 29 15.7 -0.3
NANB	Nanao	3.19 356	eP	Pn 06 28 36.2 -0.9
NANB			eS	Sn 06 29 13.7 -3.0
ENA	Nanau	3.19 355	eP	Pn 06 28 36.6 -0.5
ENAH	Nanau	3.20 357	eS	Sn 06 29 14.5 -2.7
PHUB	P'eng-hu	3.21 315	eP	Pn 06 28 36.1 -1.2
PHUB			S	Sn 06 29 13.2 -3.9
NNSB	Datong	3.23 350	eP	Pn 06 28 38.5 +0.6
NNSB			eS	Sn 06 29 15.7 -2.3
NNSH	Datong	3.23 350	eP	Pn 06 28 38.5 +0.7
NNSH			eS	Sn 06 29 15.7 -2.3
NNS	Nan Shan	3.24 350	eP	Pn 06 28 38.4 +0.4
NNS			eS	Sn 06 29 16.2 -2.1
PNG	Penhu	3.25 316	P	Pn 06 28 37.3 -0.6
PNG			eS	Sn 06 29 15.1 -3.1
HATJ	Haijuma jima	3.25 30	P	Pn 06 28 38.9 +0.9
EOS1	EOS1	3.30 2	eP	Pn 06 28 36.9 -1.6
EOS1			eS	Sn 06 29 15.0 -4.2
JYNG	Yongunijimaku	3.31 15	P	Pn 06 28 40.5 +1.8
YOJ	Yonaguni jima	3.34 16	ePn	Pn 06 28 40.8 +1.8
YOJ	Yonaguni jima	3.34 16	P	Pn 06 28 40.8 +1.8
TWC	Suao	3.36 357	eP	Pn 06 28 29.1 +3.0
TWC			eS	Sn 06 28 39.0 -0.2
NSY	Sanyi	3.37 340	P	Pn 06 29 17.4 -3.3
NSY			eS	Sn 06 28 39.4 -0.1
ENTT	Nioudou	3.41 353	eS	Sn 06 29 19.2 -1.7
ENTT			eS	Sn 06 29 20.1 -1.7
IRIF	Iriomote-Funau	3.46 27	P	Pn 06 28 42.0 +1.4
YHNB	Yeheng	3.47 350	eP	Pn 06 28 41.2 +0.5
YHNB			eS	Sn 06 29 20.0 -3.2
YHNB	Yeheng	3.47 350	ePn	Pn 06 28 41.6 +0.8
YHNB			eSn	Sn 06 29 24.0 +0.8
NMLH	Miaoili	3.48 341	eS	Sn 06 29 21.9 -1.3
NSK	Sanguang	3.48 350	eP	Pn 06 28 41.6 +0.8
NSK			eS	Sn 06 29 20.6 -2.7
TWE	Neicheng	3.48 355	eP	Pn 06 28 40.8 0.0
TWE			eS	Sn 06 29 21.1 -2.2
JKRS	Kuro-shima	3.51 31	P	Pn 06 28 42.8 +1.7
NSTT	Nanjuang	3.51 345	P	Pn 06 28 41.3 +0.2
NSTT			S	Sn 06 29 21.6 -2.3
LIOB	Emei	3.52 345	eP	Pn 06 28 41.3 0.0
LIOB			eS	Sn 06 29 22.1 -2.1
NWLT	Wulai	3.56 352	eP	Pn 06 28 41.8 -0.1
EGS	Sanzhi	3.59 359	eP	Pn 06 28 42.8 +0.6
SBCB	Hsinchu	3.67 345	eS	Sn 06 29 24.6 -2.9
WLTB	Daxi	3.67 349	eS	Sn 06 29 26.8 -0.7
JJJ	Ishigaki jima	3.68 32	P	Pn 06 28 44.2 +0.9
JJJ			eS	Sn 06 29 26.1 -1.7
TWA	Hsinchu	3.68 345	eS	Sn 06 28 44.2 0.0
TWA			eS	Sn 06 29 27.6 -1.8
TATO	Taipei	3.75 353	ePn	Pn 06 28 45.0 +0.7
TATO			eSn	Sn 06 29 30.5 +1.0
NCUH	Zhongli	3.79 348	eS	Sn 06 29 29.1 -1.4
NWF	Wu-fen Shan	3.82 357	eP	Pn 06 28 46.0 +0.8
NWF			eS	Sn 06 29 28.6 -2.7
WFSB	Wu-fen Shan	3.82 357	eP	Pn 06 28 45.3 +0.2
WFSB			eS	Sn 06 29 28.1 -3.0
TWS1	Kuangyinshan	3.89 352	eS	Sn 06 29 30.5 -2.1
YM04	YM04	3.92 354	eP	Pn 06 28 46.0 -0.4
YM04			eS	Sn 06 29 29.1 -4.4
YM11	YM11	3.93 354	eS	Sn 06 29 30.6 -3.2
YM07	YM07	3.94 355	eP	Pn 06 28 47.3 +0.6
YM07			eS	Sn 06 29 30.6 -3.2
JISG	Ishigakijimahi	3.95 32	P	Pn 06 28 47.6 +0.9
TWY	Chenhu	4.04 355	eS	Sn 06 29 33.0 -3.0
JTJ	Tarama	4.19 36	P	Pn 06 28 50.6 +0.7
YWUC	YWUC	4.42 328	eP	Pn 06 28 52.0 -0.8

KNM	Kimmen	4.58 314	eP	Pn 06 28 55.7 +0.8
JIRB	Irabujima	4.61 38	P	Pn 06 28 56.4 +1.2
PTMZ	Houxiangcun	4.63 325	eP	Pn 06 28 55.5 0.0
KNMB	Chin-men Tao	4.64 314	eP	Pn 06 28 57.1 +1.5
PTTC	Pingtang	4.72 334	eP	Pn 06 28 56.0 -0.7
ZPLA	Ao Xicun	4.77 305	eP	Pn 06 28 58.1 +0.8
QZH	Quanzhou	4.86 320	P	Pn 06 28 57.8 -0.6
QZH			S	Sn 06 29 51.4 -3.5
QZH	comp=N,300nm,0.3s		Smax	Smax
VDOS	Pratas Island	4.97 265	eP	Pn 06 29 00.1 +0.1
ZZJH	Jiuzhen	5.17 309	eP	Pn 06 29 02.9 +0.3
ZZJH			eS	Sn 06 30 01.2 -1.1
AXDP	Jialang	5.22 315	eP	Pn 06 29 03.1 0.0
AXDP			eS	Sn 06 30 00.5 -2.8
MATB	Miao-tsu	5.25 339	eP	Pn 06 29 02.6 -0.9
MATB			eS	Sn 06 30 00.7 -3.4
MHZQ	Yeshan	5.56 331	eP	Pn 06 29 07.0 -0.6
MHZQ			eS	Sn 06 30 07.4 -4.1
LYJJ	Jianjiangzhen	5.68 339	eP	Pn 06 29 08.0 -1.1
LYJJ			eS	Sn 06 30 11.3 -2.9
MCO	TaiPa Grande	7.92 278	P	Pn 06 29 40.0 +1.3
JOW	Kunigami	7.96 45	P	Pn 06 29 39.5 0.0
NJ2	Nanjing	11.14 346	eP	Pn 06 30 21.4 +0.6
NJ2			Pmax	Pmax
JNU	Nakatsu	14.21 32	P	Pn 06 31 01.2 +1.2
JNU			S	Sn 06 31 28.0 +1.1
GYA	Guyiang	14.98 293	P	P 06 31 28.0 +1.1
GYA			PP	S 06 33 53.6 -3.2
GYA			Smax	Smax
KSR5	Korea Array	16.95 16	P	Pn 06 31 34.8 +1.4
XAN	Xi'an	17.22 321	P	Pn 06 31 37.3 +0.6
XAN			eP	Pn 06 32 21.3 -5.7
XAN			Smax	Smax
XAN			Pmax	Pmax
SKNT	Nongkai	17.57 259	P	Pn 06 31 44.1 +3.2
NONG	Nongkai	18.05 263	P	Pn 06 31 50.1 +3.5
CD2	Chengdu	19.00 304	eP	P 06 31 55.6 +0.6
BJI	Beijing	19.40 346	P	Pn 06 32 03.8 +1.6
BJI			Pmax	Pmax
PHRA	Phrae	20.67 266	P	Pn 06 32 16.8 -1.1
SBUM	Sibu	20.97 208	eP	P 06 32 13.4 -2.7
HHC	Hu-ho-hao-te	21.47 338	eP	P 06 32 21.4 0.0
HHC			S	S 06 35 59.3 -9.2
HHC			Smax	Smax
HHC			Pmax	Pmax
LZH	Lanzhou	21.70 317	eP	P 06 32 25.8 +1.9
LZH			eP	P 06 32 58.6 +4.3
LZH			eS	P 06 33 18.0 +1.7
LZH			Pmax	Pmax
LZH			Pmax	Pmax
CMMT	Chiang Mai	21.81 268	P	P 06 32 27.6 +2.6
CHTO	Chiang Mai	21.81 268	e	

OHAK	Old Harbor	69.57	35	eP	P	06 38 37.2	+1.0
MLY	Manley	69.81	27	eP	P	06 38 39.4	+1.7
BPAW	Bear Paw Mtn.	69.82	28	eP	P	06 38 39.5	+1.8
TOLK	Toolik Lake Re	69.84	23	eP	P	06 38 39.9	+2.0
TRF	Thorofore Moun	70.21	29	eP	P	06 38 42.1	+1.8
MCK	McKinley	70.77	28	eP	P	06 38 44.7	+1.2
RND	Reindeer	70.85	28	eP	P	06 38 45.3	+1.2
MDM	Murphy Dome	70.88	27	eP	P	06 38 45.7	+1.6
WRH	Wood River Hill	71.02	27	eP	P	06 38 46.3	+1.4
IL1	Eielson Array	71.47	27	eP	P	06 38 48.0	+0.3
ILAR	Eielson Array	71.47	27	eP	P	06 38 47.6	+0.1
SCM	Sheep Creek Mo	71.82	30	eP	P	06 38 51.2	+1.3
ARCES	ARCES Array B	72.55	339	P	P	06 38 52.5	-1.5
RIDG	Independ ² R1d	72.55	28	eP	P	06 38 54.4	+0.2
EGAK	Eagle	73.86	26	eP	P	06 39 03.1	+1.4
FIAT	FINESSE Array S	74.37	330	eP	P	06 39 05.2	+0.5
FINES	FINESSE Array B	74.37	330	eP	P	06 39 04.6	-0.1
DAWY	Dawson	74.80	27	eP	P	06 39 08.7	+1.5
AKASG	Malin Array Be	75.59	319	P	P	06 39 12.8	+0.9
INK	Inuvik	75.66	22	eP	P	06 39 12.5	+0.5
NO2	NORSAR Subarra	81.18	333	P	P	06 39 41.9	-0.6
NOA	NORSAR Array B	81.18	333	P	P	06 39 41.8	-0.6
CLL	Collin	84.86	323	eP	P	06 40 02.0	+0.5
YKA	Yellowknife Ar	85.37	323	eP	P	06 40 04.2	+0.4
GERES	GERESS Array B	85.61	321	P	P	06 40 03.7	-1.7
TXAR	Lajitas Array	113.17	43	PKPKP	PKPKP	06 46 03.1	-0.7
VNA2	Neumayer-Watz	122.33	197	PKP	PKP	06 46 19.3	-0.7
VNA3	Neumayer Olymp	122.78	197	PKP	PKP	06 46 19.2	-1.6

SAIM	ADANA	0.72	159	iP	Pg	06 52 41.7	-0.5
SAIM	AVNS	0.73	282	iP	Sb	06 52 40.0	+1.1
YOZ	Yozgat	1.04	341	PG	Pg	06 52 42.9	-0.2
KOZT	Kozan	1.17	177	PN	Sg	06 52 47.5	-0.9
DARE	Darende-Malaty	1.35	93	PN	Pg	06 52 47.5	-0.7
CDAG	Cicekdag	1.45	312	P	Pg	06 52 55.8	-0.3
CDAG	Kahramanmaraş	1.46	141	PN	Sg	06 53 17.5	+2.6
KMRS	kangal_SIVAS	1.49	63	iP	Pg	06 52 55.5	-0.8
CUKAN	YAYL	1.55	281	PN	Sg	06 52 55.5	-0.5
GULE	Gulek	1.57	210	P	Sg	06 52 55.9	-1.1
SVSK	Karacayir	1.59	37	PN	Pg	06 52 57.0	-0.4
AKCD	AKCAD	1.74	101	iP	Pg	06 53 01.1	-0.5
KAMT	Kaman	1.75	295	PN	Pg	06 52 58.7	+0.1
CORUM	Corum	1.76	331	PN	Pg	06 52 59.1	+0.3
KEMA	Kemaliye	2.22	73	iP	Sg	06 53 07.4	-1.1
KEMA				iP	Sg	06 53 40.9	+1.2

Buji 21 06:55:07.6, 36°30'N, 120°90'W, h9km, mb5.2/32, mB5.6/18, Ms5.4/23, Ms7.5/122
NEIC 21 06:55:09.0, 0.0, 36°31'N, 120°86'W, h9km, mb5.3/187, MW5.4, MW5.3(BRK), After NCEC.
NEIC felt [V] at Big Sur, Bradley, Coalinga, Friant, Greenfield, Huron, Monterey, Paso Robles, San Jose, San Miguel, Soledad, Stateray, Templeton and Wasco. Felt widely from north of the San Francisco Bay area to Bishop and Ridgecrest and to parts of the Los Angeles area. Also felt at Gardenville and Reno, Nevada.
NEIC 21 06:55:09.0, 0.0, 36°31'N, 120°88'W, h11km, Moment Tensor Solution, s=74, Moment tensor: Scale 1017Nm; Mn:0.15; Mw:-1.18; Ms1:0.03; Ms0:0.42; Ms0:0.78; Mw:0.48; Best double couple: M1:5.0000e-07, NP1:8.65.0000e-07, s81.0000e-07, s24.0000e-07, NP2:3.30.0000e-07, s66.0000e-07, s17.0000e-07. Principal axes: T: 1.5300, Plg23.0000°, Azm288.0000°; N: -0.0600, Plg64.0000°, Azm84.0000°; P: -1.4700, Plg100.0000°, Azm195.0000°.
ISCJb 21 06:55:09.0, 0.2, 36°26'N, 0°11', 120°91'W, 0.1, h10km, 1km, mb5.1/251, MS5.0/59, Error ellipse: s-maj=2.3km s-min=1.4km az=41.8
IDC 21 06:55:09.2, 0.4, 36°31'N, 120°79'W, h0km, mb4.9/37, mb1.4/345, mb1mx4.9/53, mbtmp4.8/45, ML4.3/8, MS4.8/42, Ms1.4/842, ms1mx4.7/48, Error ellipse: s-maj=9.3km s-min=8.2km az=91.0
MOS 21 06:55:10.3, 1.1, 36°33'N, 120°88'W, h16km, mb5.4/80, MS5.2/16, Error ellipse: s-maj=4.8km s-min=4.1km az=76.1
GCMT 21 06:55:13.5, 0.1, 36°27'N, 0°11', 120°89'W, 0.1, h12km, MSV5.4/134, Moment Tensor Solution, s99, c154; s134, c266; Duration: 1s2 Moment tensor: Scale 1017 Nm; Mn:0.13; Mw:-1.18; Ms0:0.2; Ms0:0.78; Mw:0.48; Best double couple: M1:-483002.017, NP1:154.0000e-07, s87.0000e-07, s185.0000e-07, NP2:64.0000e-07, s5.0000e-07, s185.0000e-07. Principal axes: T: 3.8660, Plg8.0000°, Azm288.0000°; N: 0.1950, Plg75.0000°, Azm166.0000°; P: -1.5790, Plg13.0000°, Azm20.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function
ISC 21 06:55:10.8, 0.7, 36°30'N, 0°12', 120°89'W, 0.1, h11km, 3km, n1205, s1f52/1196, mb5.2/267, MS5.1/60, 16C-4D, Central California

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
ULC	Ulcinj	0.06	17	iP	06 38 37.4	0.0
LLC	Llucmajor	0.06	17	iP	06 38 37.4	0.0
DRME	Dracevica, Mon	0.28	354	iP	06 38 52.5	+0.3
DRME	Dracevica, Mon	0.28	354	iP	06 38 52.5	+0.3
DRME	Dracevica, Mon	0.28	354	iP	06 38 52.5	+0.3
BUM	Brajici-Budva	0.46	328	iP	06 39 02.0	+0.6
BUM	Bum	0.52	75	iP	06 39 02.9	+0.6
PUK	Puka	0.52	75	iP	06 39 02.9	+0.6
PDG	Podgorica	0.52	3	eP	06 39 04.2	-1.1
PDG	Podgorica	0.52	3	eP	06 39 04.2	-1.1
PDG	Podgorica	0.52	3	eP	06 39 04.2	-1.1
PDG	Podgorica	0.52	3	eP	06 39 04.2	-1.1
TTG	Podgorica	0.52	3	iP	06 39 04.2	-1.1
CEME	Cevo	0.68	341	iP	06 39 04.9	+0.7
CEME	Ceme	0.68	341	iP	06 39 04.9	+0.7
TIR	Tirane	0.74	139	eSg	06 39 10.1	+1.1
HCY	Herceg Novi	0.76	315	iP	06 39 09.0	-0.9
HCY	Herceg Novi	0.76	315	iP	06 39 12.9	+0.2
HCY	Herceg Novi	0.76	315	iP	06 39 01.4	-0.4
BCI	Bajram Curri	0.78	54	iP	06 39 12.0	-0.3
PVY	Plav	0.88	381	iP	06 39 03.1	-0.9
PVY	Ply	0.88	381	iP	06 39 17.0	+0.9
NKME	Niksic	0.88	347	iP	06 39 03.2	-0.9
NKY	Niksic	0.92	350	iP	06 39 03.6	-1.2
KOME	Kolasin	0.97	131	iP	06 39 05.0	-0.7
KOME	Kome	0.97	131	iP	06 39 19.8	-0.8
TREB	Trebinje	1.04	322	iP	06 39 21.4	-0.5
TREB	Trebinje	1.04	322	iP	06 39 21.4	-0.5
TREB	Trebinje	1.04	322	iP	06 39 07.6	+0.1
IVA	Berane	1.08	27	iP	06 39 07.1	-0.8
IVA	Bratogost	1.11	333	iP	06 39 23.8	+0.5
BRY	Bratogost	1.11	333	iP	06 39 25.0	+0.9
BRY	Bratogost	1.11	333	iP	06 39 08.7	+0.2
BRY	Bratogost	1.11	333	iP	06 39 23.9	-0.2
UPM	Unac-Piva	1.32	350	iP	06 39 10.8	-0.7
UPM	Unac-Piva	1.32	350	iP	06 39 31.8	+2.1
SJES	Sjenica	1.46	22	eP	06 39 32.4	+0.2
STON	Ston	1.48	311	eP	06 39 13.9	+0.3
STON	Ston	1.48	311	eP	06 39 34.8	+0.0
STON	Ston	1.48	311	eP	06 39 13.7	+0.1
STON	Ston	1.48	311	eP	06 39 15.5	+0.0
STON	Ivanjica	1.80	22	eP	06 39 34.9	+0.1
IVAS	Selova	1.92	46	eSg	06 39 43.5	+0.8
BBLs	Lazi#263;i	1.96	4	eSg	06 39 48.5	+1.2
BBLs	Lazi#263;i	1.96	4	eP	06 39 21.6	+1.3
BBLs				eP	06 39 45.6	+0.7

MDCM	Deadman Creek	2.04	46	eP	Pn	06 55 44.8	-0.6
MLMB	Mammoth Lakes	2.04	48	eP	Pn	06 55 45.1	-0.3
ARVC	Arvin	2.05	124	P	Pn	06 55 42.1	-3.1
MLKM	Mammoth Lakes	2.05	48	eP	Pn	06 55 45.2	-0.2
MLCM	Mammoth Lakes	2.05	50	eP	Pn	06 55 44.9	-0.6
ISA	Isabella, Lake	2.06	107	eP	Pn	06 55 43.5	-2.0
ISA	Isabella, Lake	2.06	107	eP	Pn	06 55 43.5	-2.0
ISA	Isabella, Lake	2.06	107	eP	Pn	06 55 43.5	-2.0
ISA	Isabella, Lake	2.06	107	eP	Pn	06 55 43.5	-2.0
MEMM	East Mammoth H	2.07	48	eP	Pn	06 55 45.5	-0.3
MEMM	East Mammoth H	2.07	48	eP	Pn	06 55 45.5	-0.3
MCMC	Casa Benchmark	2.09	49	eP	Pn	06 55 45.7	-0.2
MCMC	Casa Benchmark	2.09	49	eP	Pn	06 55 45.7	-0.2
WLMH	Little Horse	2.09	93	eP	Pn	06 55 44.5	-1.9
SBC	Santa Barbara	2.09	152	P	Pn	06 55 43.9	-1.6
LMCR	Lookout Mounta	2.11	47	eP	Pn	06 55 46.4	+0.1
MLAC	Mammoth, Mamma	2.11	51	P	Pn	06 55 46.1	-0.2
MLAC				Sb	06 56 14.9	-0.7	
MDRNC	Dodge Ridge	2.12	50	eP	Pn	06 55 46.2	-0.2
MTUM	Tungsten Hills	2.14	60	eP	Pn	06 55 46.3	-0.4
ORC	Owens River	2.23	53	eSg	Pn	06 55 48.1	-1.0
WORM	Onyx Ranch	2.23	105	eP	Pn	06 56 16.3	-1.5
SNT	Sears Point	2.25	32	eP	Pn	06 55 46.9	-1.8
TIN	Tinemaha, Big	2.27	70	P	Pn	06 55 47.9	-0.5
TIN				S	06 56 17.1	+0.8	
CWC	Cottonwood Cre	2.27	86	P	Pn	06 55 47.2	-1.2
CWC				S	06 56 16.5	-0.1	
NADM	Danville	2.32	339	eP	Pn	06 55 47.8	-1.1
WCHM	Chimney Peak	2.32	100	eP	Pn	06 55 48.0	-1.2
MCDM	Chidago Canyon	2.32	57	eP	Pn	06 55 49.2	+0.1
BENR	Benton	2.33	52	eP	Pn	06 55 49.1	-0.2
Pocca	Poccha Canyon	2.35	62	eP	Pn	06 55 49.5	0.0
MRCM	Red Rock Canyo	2.35	54	eP	Pn	06 55 49.4	-0.1
NBRB	North Branch Br	2.36	33	eP	Pn	06 55 49.3	-1.8
NAPC	Atlas Peak	2.39	333	eP	Pn	06 55 48.1	-1.9
MLNR	Miner Canyon	2.42	57	eP	Pn	06 55 51.2	+0.8
MCCM	Marconi Center	2.43	320	eP	Pn	06 55 48.2	-2.2
EBP	Ebbetts Pass	2.44	20	eP	Pn	06 55 50.4	-0.4
OSI	Oso Audit: C	2.44	133	eP	Pn	06 55 49.3	-1.4
OSI	Oso Audit: C	2.44	133	eP	Pn	06 55 49.3	-1.4
WAKR	Walker	2.48	27	eP	Pn	06 55 51.6	+0.2
NIMB	Iron Mountain	2.50	335	eP	Pn	06 55 49.6	-1.8
VPEM	Volcano Peak E	2.52	97	eP	Pn	06 55 52.9	+1.2
SCZ2	San Cruz Isl	2.52	156	P	Pn	06 55 49.9	-2.8
AFDM	Forest Hills D	2.64	359	eP	Pn	06 55 52.3	-1.1
BLG							

TUQ	Turquoise Moun bazz=284,SNR=437	4.13 101	P	Pn	06 56 11.7 -2.2	PV14	Lion Creek, Pa	9.68 74	ePn	Pn	06 57 32.4 +2.2	HPIG	Cedar Bluff	15.97 122	ePn	P	06 58 58.1 -1.1
O02D	Mt. Diablo Mer bazz=158,SNR=43	4.14 339	P	Pn	06 56 14.3 +0.2	PV23	Carpenter Ridg	9.70 74	ePn	Pn	06 57 32.9 +2.4	TX31	Lajitas Ar. Si	16.05 111	ePn	Pn	06 58 57.8 +1.2
WDC	Whiskeytown Da	4.46 344	ePn	Pn	06 56 16.5 -1.9	PV19	Morning Glory	9.70 75	ePn	Pn	06 57 32.9 +2.4	TXAR	Lajitas Array	16.05 111	Pn	Pn	06 58 58.2 +1.6
WDC	Whiskeytown Da	4.46 344	ePn	Pn	06 56 16.5 -1.9	PV27	East Wray Mesa	9.71 75	ePn	Pn	06 57 33.1 +2.5	TXAR	comp=Z,0.6nm,0.3s,baz=292,slow=1.2,SNR=41	Lg	Lg	07 03 36.1	
KMRM	Mail Ridge	4.50 331	ePn	Pn	06 56 18.1 -0.8	PV18	Skein Mesa, Pa	9.75 75	ePn	Pn	06 57 33.2 +2.1	TXAR	comp=Z,0.0nm,0.3s,baz=297,slow=3.1,SNR=2.8	LR	LR	07 05 43.3	
FRD	Ford Ranch, An bazz=310,SNR=582	4.50 127	P	Pn	06 56 17.0 -2.4	PV16	Nyonsonger Mesa	9.75 75	ePn	Pn	06 57 33.4 +2.2	TXAR	comp=Z,6um,20.2s,baz=0.0,slow=40	LR	LR	07 05 43.3	
PFO	Pinyon Flats O	4.52 125	ePn	Pn	06 56 17.0 -2.4	PV03	Paradox Valley	9.80 75	ePn	Pn	06 57 33.8 +1.8	BBB	Bella Bella	16.68 344	Pn	Pn	06 59 07.0 +0.3
PFO	Pinyon Flats O	4.52 125	ePn	Pn	06 56 17.0 -2.4	PV13	Radium Mtn., P	9.80 76	ePn	Pn	06 57 33.8 +1.9	BBB	comp=Z,0.4nm,0.3s,baz=170,slow=8.9,SNR=3.2	LR	LR	07 05 52.6	
PFO	Pinyon Flats O	4.52 125	ePn	Pn	06 56 16.9 -2.5	PV12	Paradox Valley	9.88 75	ePn	Pn	06 57 35.0 +2.0	BBB	comp=Z,3um,18.8s,baz=168,slow=38	LR	LR	07 05 52.6	
XPFO	Plazon Flat	4.53 125	ePn	Pn	06 56 17.6 -1.7	PV22	Blue Mesa, Par	9.88 73	ePn	Pn	06 57 35.2 +2.2	CBKS	comp=Z,1.75nm,1.2s	pmax	pmax	06 59 08.5 +0.5	
GMRC	Granite Mountain bazz=291,SNR=382	4.53 108	P	Pn	06 56 16.4 -3.0	F04D	Rainier, OR	9.90 351	P	Pn	06 57 36.0 +3.0	CBKS	Cedar Bluff	16.96 75	ePn	Pn	06 59 08.5 +0.5
109C	Camp Elliot, M bazz=319,SNR=72	4.62 136	P	Pn	06 56 17.8 -2.8	AHID	Auburn Hatcher	9.94 47	ePn	Pn	06 57 36.5 +2.8	CBKS	comp=Z,1.75nm,1.2s	pmax	pmax	06 59 08.1 +0.1	
BELC	Belle Mtn. Jos bazz=302,SNR=228	4.62 118	P	Pn	06 56 17.9 -2.8	MVCO	Mesa Verde	9.99 81	ePn	Pn	06 57 36.3 +1.8	CBKS	Cedar Bluff	16.96 75	P	Pn	06 59 08.1 +0.1
CPE	Camp Elliot	4.62 136	ePn	Pn	06 56 17.7 -2.8	MVCO	Mesa Verde	9.99 81	ePn	Pn	06 57 35.8 +1.3	DGMT	Dagmar	17.27 40	ePn	Pn	06 59 13.9 +0.5
SHPR	Sheep Range	4.63 86	ePn	Pn	06 56 20.3 -0.5	PV01	Paradox Valley	10.00 76	ePn	Pn	06 57 36.2 +1.7	DGMT	Dagmar	17.27 40	P	Pn	06 59 12.5 +0.6
R11A	Troy Canyon, C	4.70 63	ePn	Pn	06 56 20.7 -1.1	HWAA	Hanford Array	10.13 19	ePn	Pn	06 57 39.3 +3.2	ABTX	Abilene, Hawle	17.90 96	ePn	Pn	06 59 20.1 -0.2
R11A	Troy Canyon, C	4.70 63	ePn	Pn	06 56 20.3 -1.5	E04D	Cinebar	10.32 354	P	Pn	06 57 43.3 +4.6	ABTX	Abilene, Hawle	17.90 96	ePn	Pn	06 59 20.1 -0.2
KCSM	Cold Springs	4.70 335	ePn	Pn	06 56 22.4 +0.6	REDW	Red Top Meadow	10.45 45	ePn	Pn	06 57 44.4 +3.7	ABTX	Abilene, Hawle	17.90 96	ePn	Pn	06 59 20.4 -0.0
LDFC	Landfair	4.86 103	ePn	Pn	06 56 20.9 -3.1	TPAW	Teton Pass	10.48 44	ePn	Pn	06 57 44.2 +3.1	ABTX	Abilene, Hawle	17.90 96	ePn	Pn	06 59 20.4 -0.0
N02D	Trinity Center	4.88 344	P	Pn	06 56 23.5 -0.6	MCMT	McKenzie Canyo	10.53 43	ePn	Pn	06 57 44.6 +3.7	WMOK	Wichita Mountain	18.07 88	ePn	Pn	06 59 22.2 0.0
MONPZ	Monument Peak bazz=314,SNR=201	5.02 131	P	Pn	06 56 24.3 -1.9	FKWY	Fox Creek	10.53 43	ePn	Pn	06 57 45.5 +3.6	WMOK	Wichita Mountain	18.07 88	ePn	Pn	06 59 22.2 0.0
BAR	Barrett	5.02 135	ePn	Pn	06 56 24.1 -2.0	SNOW	Snow King Moun	10.57 44	ePn	Pn	06 57 45.5 +3.1	WMOK	Wichita Mountain	18.07 88	ePn	pmax	06 59 22.2 0.0
BMN	Battle Mountai 568nm,0.3s	5.03 34	ePn	Pn	06 56 25.2 -1.1	O20A	White River Ci	10.66 65	ePn	Pn	06 57 47.3 +3.7	WMOK	Wichita Mountain	18.07 88	ePn	pmax	06 59 22.2 0.0
BMN	Battle Mountai	5.03 34	ePn	Pn	06 56 25.2 -1.1	O20A	White River Ci	10.66 65	ePn	Pn	06 57 47.3 +3.7	WMOK	comp=Z,80nm,1.3s	pmax	pmax	06 59 22.2 0.0	
BMN	Battle Mountai	5.03 34	ePn	pmax	06 56 25.2 -1.1	IMW	Indian Meadow	10.75 42	ePn	Pn	06 57 48.8 +3.9	WMOK	Wichita Mountain	18.07 88	P	Pn	06 59 22.3 +0.1
KHMM	Horse Mountain	5.08 335	ePn	Pn	06 56 27.2 +0.3	LOHW	Low Hollow	10.75 44	ePn	Pn	06 57 48.0 +3.1	BGNE	Belgrade	18.41 67	ePn	Pn	06 59 26.3 +0.3
JCC	Jacob Creek,	5.13 332	ePn	Pn	06 56 27.0 -0.5	MOOW	Moose Ponds	10.76 43	ePn	Pn	06 57 48.3 +3.3	BGNE	Belgrade	18.41 67	P	Pn	06 59 25.4 -0.6
IRM	Iron Mountain	5.17 113	P	Pn	06 56 24.9 -3.2	319A	Boulder	10.83 114	ePn	Pn	06 57 44.6 -1.3	JCT	Junction City	18.53 102	ePn	Pn	06 59 28.2 +0.7
BC3	Big Chuckawall bazz=302,SNR=111	5.19 119	P	Pn	06 56 25.2 -3.3	BW08	Boulder Array	10.87 50	ePn	Pn	06 57 49.2 +2.7	JCT	Junction City	18.53 102	ePn	pmax	06 59 28.3 +0.7
M02C	Callahan	5.31 344	P	Pn	06 56 31.0 +0.9	BW06	Boulder	10.87 50	P	Pn	06 57 49.7 +3.2	JCT	Junction City	18.53 102	pmax	pmax	06 59 28.3 +0.7
NEE2	Needles Airpor bazz=162,SNR=67	5.34 105	P	Pn	06 56 27.9 -2.6	PD31	Pinedale Array	10.87 50	P	Pn	06 57 49.2 +2.7	JCT	Junction City	18.53 102	pmax	pmax	06 59 28.3 +0.7
SWSC	Sam W. Stewart bazz=310,SNR=16	5.37 127	P	Pn	06 56 28.3 -2.6	PDAR	Pinedale Array	10.87 50	Pn	PKIKP	07 11 41.9 -3.3	JCT	Junction City	18.53 102	P	Pn	06 59 28.1 +0.6
IKP	In-Ko-Pah, Jac bazz=314,SNR=46	5.38 131	P	Pn	06 56 29.3 -1.7	PDAR	Pinedale Array	10.87 50	ePn	Lg	07 00 47.7	JCT	Junction City	18.53 102	P	Pn	06 59 28.1 +0.6
M04C	Macdoel	5.52 353	P	Pn	06 56 35.0 +1.9	PDAR	Pinedale Array	10.87 50	ePn	Lg	07 00 47.7	JCT	Junction City	18.53 102	P	Pn	06 59 28.1 +0.6
YB4	Yreka Blue Hor comp=Z,1.7nm,0.3s,baz=180,slow=9.1,SNR=33	5.60 346	Pn	Pn	06 56 36.3 +2.2	PDAR	Pinedale Array	10.87 50	ePn	Lg	07 00 47.7	JCT	Junction City	18.53 102	P	Pn	06 59 28.1 +0.6
YBH	comp=Z,3.8nm,0.3s,baz=240,slow=6.1,SNR=4.7	5.60 346	Pn	06 56 36.3 +2.2	PDAR	Pinedale Array	10.87 50	ePn	Lg	07 00 47.7	JCT	Junction City	18.53 102	P	Pn	06 59 28.1 +0.6	
YBH	comp=Z,9um,18.3s,baz=116,slow=39	5.60 346	ePn	Pn	06 56 35.0 +0.9	PDAR	Pinedale Array	10.87 50	ePn	Lg	07 00 47.7	JCT	Junction City	18.53 102	P	Pn	06 59 28.1 +0.6
YBH	Yreka Blue Hor	5.60 346	ePn	Pn	06 56 35.0 +0.9	PDAR	Pinedale Array	10.87 50	ePn	Lg	07 00 47.7	JCT	Junction City	18.53 102	P	Pn	06 59 28.1 +0.6
YBH	Yreka Blue Hor	5.60 346	ePn	Pn	06 56 35.0 +0.9	PDAR	Pinedale Array	10.87 50	ePn	Lg	07 00 47.7	JCT	Junction City	18.53 102	P	Pn	06 59 28.1 +0.6
MOD	Modoc Plateau	5.61 5	ePn	Pn	06 56 34.7 +0.5	PDAR	Pinedale Array	10.87 50	ePn	Lg	07 00 47.7	JCT	Junction City	18.53 102	P	Pn	06 59 28.1 +0.6
Y12C	Blythe	5.81 114	ePn	Pn	06 56 32.9 -4.0	PDAR	Pinedale Array	10.87 50	ePn	Lg	07 00 47.7	JCT	Junction City	18.53 102	P	Pn	06 59 28.1 +0.6
Y12C	Blythe	5.81 114	P	Pn	06 56 33.9 -3.1	PDAR	Pinedale Array	10.87 50	ePn	Lg	07 00 47.7	JCT	Junction City	18.53 102	P	Pn	06 59 28.1 +0.6
W13A	Hualapai Mount bazz=298,SNR=90	5.83 100	ePn	Pn	06 56 35.5 -1.8	PDAR	Pinedale Array	10.87 50	ePn	Lg	07 00 47.7	JCT	Junction City	18.53 102	P	Pn	06 59 28.1 +0.6
PDMCI	Parker Dam Lak bazz=292,SNR=142	5.87 108	P	Pn	06 56 34.8 -2.9	PDAR	Pinedale Array	10.87 50	ePn	Lg	07 00 47.7	JCT	Junction City	18.53 102	P	Pn	06 59 28.1 +0.6
GLA	Glamis	5.96 121	ePn	Pn	06 56 36.4 -2.6	PDAR	Pinedale Array	10.87 50	ePn	Lg	07 00 47.7	JCT	Junction City	18.53 102	P	Pn	06 59 28.1 +0.6
GLA	Glamis	5.96 121	ePn	Pn	06 56 36.4 -2.6	PDAR	Pinedale Array	10.87 50	ePn	Lg	07 00 47.7	JCT	Junction City	18.53 102	P	Pn	06 59 28.1 +0.6
GLA	Glamis	5.96 121	ePn	Pn	06 56 36.0 -2.9	PDAR	Pinedale Array	10.87 50	ePn	Lg	07 00 47.7	JCT	Junction City	18.53 102	P	Pn	06 59 28.1 +0.6
L04D	Klamath Falls bazz=305,SNR=55	6.01 350	P	Pn	06 56 41.6 +1.9	PDAR	Pinedale Array	10.87 50	ePn	Lg	07 00 47.7	JCT	Junction City	18.53 102	P	Pn	06 59 28.1 +0.6
PSUT	Pine Spring	6.03 66	ePn	Pn	06 56 40.2 +0.1	PDAR	Pinedale Array	10.87 50	ePn	Lg	07 00 47.7	JCT	Junction City	18.53 102	P	Pn	06 59 28.1 +0.6
SCUT	Cedar City	6.15 76	ePn	Pn	06 56 42.2 +0.2	PDAR	Pinedale Array	10.87 50	ePn	Lg	07 00 47.7	JCT	Junction City	18.53 102	P	Pn	06 59 28.1 +0.6
LCMT	Little Creek M	6.19 81	ePn	Pn	06 56 42.6 +0.3	PDAR	Pinedale Array	10.87 50	ePn	Lg	07 00 47.7	JCT	Junction City	18.53 102	P	Pn	06 59 28.1 +0.6
L02E	Cave Junction bazz=159,SNR=14	6.21 341	P	Pn	06 56 45.0 +2.6	PDAR	Pinedale Array	10.87 50	ePn	Lg	07 00 47.7	JCT	Junction City	18.53 102	P	Pn	06 59 28.1 +0.6
K04D	Chiloquin, OR bazz=173,SNR=14	6.35 354	P	Pn	06 56 46.3 +1.9	PDAR	Pinedale Array	10.87 50	ePn	Lg	07 00 47.7	JCT	Junction City	18.53 102	P	Pn	06 59 28.1 +0.6
WVOR	Wild Horse Val	6.37 15	ePn	Pn	06 56 45.0 +0.3	PDAR	Pinedale Array	10.87 50	ePn	Lg	07 00 47.7	JCT	Junction City	18.53 102	P	Pn	06 59 28.1 +0.6
WVOR	Wild Horse Val	6.37 15	ePn	Pn	06 56 45.0 +0.3	PDAR	Pinedale Array	10.87 50	ePn	Lg	07 00 47.7	JCT	Junction City	18.53 102	P	Pn	06 59 28.1 +0.6
SZCU	Shurtz Canyon	6.38 76	ePn	Pn	06 56 46.3 +1.3	PDAR	Pinedale Array	10.87 50	ePn	Lg	07 00 47.7	JCT	Junction City	18.53 102	P	Pn	06 59 28.1 +0.6
K05A	Summer Lake	6.41 0	ePn	Pn	06 56 46.3 +2.2	PDAR	Pinedale Array	10.87 50	ePn	Lg	07 00 47.7	JCT	Junction City	18.53 102	P	Pn	06 59 28.1 +0.6
K05A	Summer Lake	6.41 0	ePn	Pn	06 56 46.3 +2.2	PDAR	Pinedale Array	10.87 50	ePn	Lg	07 00 47.7	JCT	Junction City	18.53 102	P	Pn	06 59 28.1 +0.6
K05A	Summer Lake	6.41 0	ePn	Pn	06 56 46.3 +1.1	PDAR	Pinedale Array	10.87 50	ePn	Lg	07 00 47.7	JCT	Junction City	18.53 102	P	Pn	06 59 28.1 +0.6
HUMO																	

ULM	Lac du Bonnet	22.80	44	eP	P	07 00 11.9	-1.4
ULM	comp=Z,53nm,1.0s						
240A	Hunter Patters	22.82	93	P	P	07 00 14.2	+0.5
M39A	Webster	22.89	68	P	P	07 00 13.5	-0.9
X40A	Basin Creek Fa	22.92	86	eP	P	07 00 15.4	+0.6
X40A	comp=Z,85nm,1.4s						
X40A	Basin Creek Fa	22.92	86	P	P	07 00 14.1	-0.6
DLBC	Dease Lake	22.95	348	P	P	07 00 15.7	+0.7
DLBC	comp=Z,31nm,0.9s,baz=163,slow=7,1,SNR=33						
DLBC	comp=Z,6um,20.3s,baz=159,slow=37					07 09 16.4	
DLBC	Dease Lake	22.95	348	eP	P	07 00 16.9	+2.0
SPMM	Marine on St.	22.97	58	eP	P	07 00 14.5	-0.7
SPMM	comp=Z,77nm,1.1s						
SPMM	Marine on St.	22.97	58	P	P	07 00 13.8	-1.5
L39A	Vinton	23.07	67	P	P	07 00 15.3	-0.9
X41A	Kaden, Bauxite	23.17	86	P	P	07 00 17.1	-0.3
WHAR	Woolly Hollow	23.19	84	eP	P	07 00 18.7	+1.1
K39A	comp=Z,189nm,1.5s						
K39A	Oelwer	23.21	65	P	P	07 00 15.1	-2.5
V41A	Mountainview	23.21	83	P	P	07 00 17.8	+0.1
F37A	Hinrichs Farm,	23.21	57	P	P	07 00 16.9	-0.8
H38A	Maiden Rock	23.22	60	P	P	07 00 16.4	-1.4
Y41A	Eglette Beard	23.24	88	P	P	07 00 18.1	+0.1
Z41A	Richland Creek	23.24	89	eP	P	07 00 18.9	+0.8
Z41A	Richland Creek	23.24	89	P	P	07 00 18.8	+0.8
W41B	Gary Mavity, V	23.25	84	eP	P	07 00 19.2	+1.1
W41B	comp=Z,202nm,1.8s						
W41B	Gary Mavity, V	23.25	84	P	P	07 00 18.5	+0.5
UALR	University of	23.25	85	eP	P	07 00 19.9	+1.7
S41A	Jillo Farms,	23.29	78	P	P	07 00 19.4	+0.8
N40A	Mertke, Sal	23.31	70	P	P	07 00 17.3	-1.4
U41A	Viola	23.31	81	P	P	07 00 18.5	-0.3
141A	Papa Simpson,	23.34	91	P	P	07 00 20.5	+1.4
T41A	Mountain View	23.34	79	P	P	07 00 19.3	+0.2
M40A	Post Highland	23.38	68	P	P	07 00 18.1	-1.3
J39A	Decorah	23.41	64	P	P	07 00 19.9	-0.8
241A	Mo Tay, Golden	23.50	92	P	P	07 00 22.8	+2.1
R41A	Rosebud	23.52	76	P	P	07 00 20.4	-0.4
341A	Kurthwood	23.52	94	P	P	07 00 20.1	-0.8
Q41A	Truxton	23.59	75	P	P	07 00 20.5	-1.1
G38A	Ridgeland	23.62	59	P	P	07 00 20.1	-1.7
I39A	Houston	23.62	62	eP	P	07 00 20.5	-1.3
I39A	Houston	23.62	62	P	P	07 00 21.0	-0.8
L40A	Anamosa	23.64	67	P	P	07 00 20.4	-1.6
L40A	Anamosa	23.64	67	P	P	07 00 20.0	-2.0
CCM	Cathedral Cave	23.65	77	eP	P	07 00 21.5	-0.6
CCM	Cathedral Cave	23.65	77	eP	P	07 00 21.5	-0.6
CCM	comp=Z,197nm,1.5s						
CCM	Cathedral Cave	23.65	77	P	P	07 00 21.3	-0.8
P41A	Barry, Barry	23.70	73	P	P	07 00 21.6	-1.0
K40A	Colesburg	23.75	65	P	P	07 00 21.0	-2.1
F38A	Pierce, Schro	23.78	57	P	P	07 00 22.9	-0.4
W42A	Bald Knob	23.81	84	P	P	07 00 25.1	+1.4
V42A	Cord	23.82	82	P	P	07 00 23.6	-0.1
O41A	Passleys Farm,	23.83	72	P	P	07 00 22.9	-0.9
N41A	Harden Midland	23.85	70	eP	P	07 00 23.4	-0.6
N41A	Harden Midland	23.85	70	P	P	07 00 22.9	-1.2
U42A	Reviden	23.85	81	P	P	07 00 23.9	-0.2
T42A	Van Buren	23.88	79	eP	P	07 00 23.7	-0.6
T42A	Van Buren	23.88	79	P	P	07 00 23.9	-0.4
X42A	Stuttgart	23.88	86	P	P	07 00 25.8	+1.5
CCAR	Cane Creek	23.91	87	eP	P	07 00 25.6	+1.0
Y42A	Garnett, Star	23.91	87	P	P	07 00 24.7	0.0
H39A	Augusta	23.92	60	P	P	07 00 22.9	-1.8
Z42A	Norrel Spur, H	23.93	89	P	P	07 00 25.9	+1.1
R42A	Lubbering	23.98	76	P	P	07 00 24.6	-0.6
S42A	Caledonia	24.03	77	P	P	07 00 25.4	-0.4
242A	Grayson	24.11	92	P	P	07 00 27.1	+0.6
M41A	Milan	24.11	69	P	P	07 00 25.4	-1.0
G39A	Holcomb	24.11	59	P	P	07 00 25.6	-0.9
J40A	Soldiers Grove	24.12	64	P	P	07 00 25.5	-1.1
142A	Monroe	24.13	90	P	P	07 00 27.8	+1.1
Q42A	Golden Eagle	24.14	75	P	P	07 00 26.2	-0.6
E38A	The Farm, Brul	24.15	56	eP	P	07 00 25.9	-1.0
E38A	The Farm, Brul	24.15	56	P	P	07 00 25.8	-1.0
L41A	Preston	24.18	67	P	P	07 00 25.7	-1.4
342A	Flagon Creek P	24.19	93	eP	P	07 00 28.8	+1.5
342A	Flagon Creek P	24.19	93	P	P	07 00 27.3	+0.1
P42A	Winchester	24.26	73	eP	P	07 00 27.1	-0.8
I40A	Norwalk	24.27	62	P	P	07 00 27.5	-0.4
FVM	French Village	24.30	77	eP	P	07 00 28.4	+0.2
FVM	French Village	24.30	77	eP	P	07 00 28.4	+0.2
FVM	comp=Z,41nm,1.3s						
K41A	Shullsburg	24.36	66	P	P	07 00 27.9	-0.9
F39A	Loretta	24.42	58	P	P	07 00 28.2	-1.1
JFWS	Jewell Farm	24.43	65	eP	P	07 00 28.8	-0.6
JFWS	Jewell Farm	24.43	65	eP	P	07 00 28.8	-0.6
JFWS	comp=Z,274nm,1.5s						
JFWS	Jewell Farm	24.43	65	P	P	07 00 28.0	-1.4
PBMO	Poplar Bluff	24.43	80	eP	P	07 00 28.8	-0.7

O42A	Bath	24.45	71	P	P	07 00 28.6	-0.9
N42A	Yates City,	24.48	70	P	P	07 00 29.1	-0.8
X43A	Marvell	24.48	85	P	P	07 00 31.6	+1.7
V43A	Jonesboro	24.50	82	P	P	07 00 31.4	+1.3
W43A	Forest City	24.50	84	P	P	07 00 31.4	+1.5
T43A	Greenville	24.51	79	P	P	07 00 30.4	+0.3
Z43A	Armstrong Fami	24.51	88	P	P	07 00 31.8	+1.6
U43A	Rector	24.52	81	P	P	07 00 30.4	+0.2
143A	Socs Landing,	24.52	90	P	P	07 00 32.0	+1.7
H40A	Chili	24.54	61	P	P	07 00 30.2	-0.2
EYMM	Ely	24.56	53	eP	P	07 00 29.3	-1.3
EYMM	comp=Z,240nm,1.9s						
EYMM	Ely	24.56	53	P	P	07 00 28.9	-1.7
Y43A	Makayla and Ka	24.59	87	P	P	07 00 32.5	+1.7
S43A	Fulton Ridge,	24.61	78	P	P	07 00 31.1	-0.1
J41A	Loganville	24.64	64	P	P	07 00 30.3	-1.0
M42A	Sheffield	24.70	68	P	P	07 00 31.4	-0.4
243A	Waterproof	24.71	92	P	P	07 00 35.6	+3.7
E39A	Mellen	24.77	57	P	P	07 00 31.3	-1.1
G40A	Rib Lake	24.78	59	eP	P	07 00 32.4	-0.2
G40A	Rib Lake	24.78	59	P	P	07 00 32.6	0.0
Q43A	New Douglas	24.79	74	P	P	07 00 31.5	-1.2
L42A	Oliver, Polo	24.79	67	eP	P	07 00 31.6	-1.1
L42A	Oliver, Polo	24.79	67	P	P	07 00 32.0	-0.7
I41A	Arkdale	24.83	62	eP	P	07 00 31.6	-1.4
I41A	Arkdale	24.83	62	P	P	07 00 32.0	-1.0
P43A	Skaggs, Pawnee	24.89	73	P	P	07 00 33.0	-0.6
F40A	Park Falls	24.96	58	P	P	07 00 33.6	-0.5
H41A	Junction City	25.01	61	eP	P	07 00 33.8	-1.3
H41A	Junction City	25.06	61	P	P	07 00 34.1	-1.0
T44A	Benton	25.06	79	P	P	07 00 35.2	+0.1
U44A	Portageville	25.07	80	P	P	07 00 34.6	-0.6
K42A	Prairie Point,	25.08	65	P	P	07 00 35.1	-0.1
X44A	Crenshaw	25.08	85	P	P	07 00 36.1	+0.8
Z44A	Pea Ridge, Bel	25.15	88	P	P	07 00 38.6	+2.7
Y44A	Strider, Charl	25.15	86	P	P	07 00 38.5	+2.5
E40A	Wakefield	25.22	57	P	P	07 00 36.0	-0.5
S44A	Carbondale	25.25	77	P	P	07 00 36.5	-0.3
SIUC	Southern Ilin	25.28	77	eP	P	07 00 37.1	+0.1
J42A	Colbus	25.29	64	P	P	07 00 37.1	0.0
244A	Avery, Jackson	25.30	91	P	P	07 00 38.2	+0.8
Q44A	Meyer Farm, Va	25.32	74	P	P	07 00 36.4	-1.1
R44A	Waltonville	25.33	76	P	P	07 00 38.3	+0.7
144A	Alexander Plac	25.34	89	P	P	07 00 39.9	+2.3
U44B	Burton Farm, H	25.36	80	P	P	07 00 39.9	+2.1
VBMS	Vicksburg	25.38	90	P	P	07 00 39.7	+1.7
344A	Westbrook Farm	25.45	92	eP	P	07 00 40.6	+1.9
344A	Westbrook Farm	25.45	92	P	P	07 00 40.1	+1.4
G41A	Antio	25.48	60	P	P	07 00 38.8	-0.1
L43A	Garden Prairie	25.49	67	P	P	07 00 38.9	0.0
I42A	Draefer Farm,	25.49	63	eP	P	07 00 37.4	-1.7
I42A	Draefer Farm,	25.49	63	P	P	07 00 37.6	-1.4
544A	White Castle	25.57	95	P	P	07 00 39.6	-0.2
P44A	Sand Creek, Wi	25.59	73	P	P	07 00 39.2	-0.7
F41A	Three Lakes	25.63	59	eP	P	07 00 39.6	-0.6
F41A	Three Lakes	25.63	59	P	P	07 00 41.0	+0.7
OXF	Oxford	25.67	85	eP	P	07 00 42.5	+1.8
OXF	Oxford	25.67	85	eP	P	07 00 42.5	+1.8
OXF	comp=Z,232nm,1.2s						
OXF	Oxford	25.67	85	P	P	07 00 42.0	+1.3
COWI	Conover	25.67	58	eP	P	07 00 40.2	-0.4
O44A	Mansfield	25.68	72	P	P	07 00 41.3	+0.6
444A	Pin Grove	25.69	94	P	P	07 00 43.1	+2.3
X45A</							

21d 6h

Table with columns: ID, Name, Time, Date, Status, and other details. Includes entries like Wiedeman Farm, Cromwell, Howard City, Northridge Ran, etc.

2012 OCT

Table with columns: ID, Name, Time, Date, Status, and other details. Includes entries like Pataskala, Hallie, Ashland, Bidwell, etc.

980

Table with columns: ID, Name, Time, Date, Status, and other details. Includes entries like KIP, LUPA, PSUB, TRQ, TOLK, etc.

Table with columns: Station, Name, Frequency, Power, Mode, and other parameters. Includes stations like TBUAI, H1S1, H1S2, etc.

Table with columns: Station, Name, Frequency, Power, Mode, and other parameters. Includes stations like SNY, PCBR, KRSR, etc.

Table with columns: Station, Name, Frequency, Power, Mode, and other parameters. Includes stations like PRU, GPOC, KHC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Kiev, Paso Flores, Mont Dzumac, Kurchatov, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, MKAR Makanchi Array, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NSK, CHN5, WNT, etc.

SOME 21 07:35:59.8, 42.08N-71.60E, h15km
KRNET 21 07:35:59.0, 1.42, 04N-71.65E, h1km, mb2.6
NCC 21 07:35:59.7, 1.6, 42.14N-71.59E, h0km, mb3.1, mpv2.8
Error ellipse: s-maj=15.4km s-min=10.0km az=159.0
ISCJB 21 07:36:00.3, 0.5, 42.08N-0.03, 71.56E-0.03, h10km, Error
ellipse: s-maj=4.6km s-min=3.4km az=21.9
ISC 21 07:35:59.2, 0.8, 42.03N-0.03, 71.51E-0.03, h10km, n29,
c182/54, 35C-7D, Kyrgyzstan

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
ISC	h m s	ISC	ISC	ISC	ISC	ISC	ISC
ARK	Arkit	0.41	124	↑P	Pg	07 36 06.3	-1.0
ARK	baz=36			↑S	Sg	07 36 11.7	-1.1
MNAS	Manas	0.87	58	↑P	Pg	07 36 14.0	-1.9
MNAS	21nm,0.4s			↑S	Sg	07 36 24.5	-2.7
MNAS	Manas	0.87	58	↑P	Pg	07 36 14.0	-1.9
MNAS	baz=55			↑S	Sg	07 36 24.6	-2.7
KK31	Karayat Array	1.30	326	P	Pn	07 36 23.0	-0.4
KK31	4.0nm,0.2s,baz=136,slow=17,SNR=249			↓S	Sb	07 36 39.5	-1.0
ARSB	Arslanbob	1.31	122	↑P	Pg	07 36 22.4	-1.3
ARSB	baz=25			↑S	Sb	07 36 39.2	-1.7
MRKS	Merke	1.46	60	eP	Pn	07 36 25.7	0.0
MRKS	7.9nm,0.1s			eS	Pn	07 36 42.6	-2.3
BRLS	Boroday	1.59	309	eP	Pn	07 36 28.6	0.0
BRLS	4.0nm,0.2s			eS	Sg	07 36 49.4	-0.8
AML	Almayashu	1.63	86	↑P	Pn	07 36 27.8	-0.5
AML	baz=86			↑S	Sn	07 36 49.1	-0.5
EKS2	Erkin-Say	1.80	69	eP	Pn	07 36 30.7	+0.4
EKS2	baz=68			↑S	Sb	07 36 53.8	-1.1
BTK	Batken	2.04	195	↑P	Pb	07 36 37.1	+0.7
BTK	baz=98			↑S	Sg	07 37 04.7	0.0
ARLS	Aral	2.11	94	↑P	Pn	07 36 35.9	+1.2
ARLS	baz=94			↑S	Sb	07 37 01.7	+0.7
UCH	Uchter	2.25	84	↑P	Pn	07 36 38.4	-1.7
UCH	baz=84			↑S	Sb	07 37 07.0	-1.1
AAK	Ala-Archa	2.30	74	↑P	Pb	07 36 39.9	-0.9
AAK	4.7nm,0.5s			Lg	Lg	07 37 10.7	
AAK	7.4nm,0.5s			↑P	Pb	07 36 38.8	-2.0
AAK	Ala-Archa	2.30	74	↑P	Pb	07 37 07.7	-1.6
AAK	baz=73			↑S	Sb	07 37 07.7	-1.6
SFK	Sufi-Kurgan	2.52	143	↑P	Pn	07 36 43.4	-1.2
SFK	0.7nm,0.2s			↑L	Lg	07 37 18.0	
SFK	6.6nm,0.3s			↑P	Pn	07 36 42.5	+2.1
SFK	Sufi-Kurgan	2.52	143	↑P	Pn	07 37 14.3	-1.5
SFK	baz=45			↑S	Sb	07 36 42.2	+1.9
USP	Oszenovka	2.53	60	↑P	Pn	07 37 13.4	-2.5
USP	baz=59			↑S	Sb	07 36 42.6	+1.5
CHMS	Chumysh	2.59	67	eP	Pn	07 37 14.6	+2.0
CHMS	baz=66			↑S	Sn	07 36 45.5	+1.3
KZA	Kyzart	2.79	88	↑P	Pn	07 37 20.1	+2.0
KZA	baz=88			↑S	Sn	07 36 59.9	+0.3
TKM2	Tokmak 2	3.15	72	↑P	Pg	07 37 33.6	
TKM2	1.9nm,0.5s			↑L	Lg	07 37 33.6	
BOOM	Boomsokoye usch	3.32	81	↑P	Pn	07 36 52.9	+1.5
BOOM	baz=81			↑S	Sn	07 37 32.0	+1.0
DGS	Degeres	3.37	68	eP	Pb	07 36 57.6	-1.4
DGS	1.7nm,0.4s			eS	Sb	07 37 39.7	-0.5
NRN	Naryn	3.42	99	↑P	Pn	07 36 54.2	+1.4
NRN	baz=99			↑S	Sn	07 37 34.4	+0.9
ULHL	Ulaho	3.53	85	↑P	Pn	07 36 55.7	+1.5
ULHL	baz=85			↑S	Sn	07 37 37.1	+1.0
IZV	Izvestkoviy	3.91	73	eP	Pb	07 37 09.4	+1.2
IZV	1.3nm,0.3s			eS	Sb	07 37 58.9	+3.3
KUU	Kurty	4.00	61	eP	Pb	07 37 10.4	+0.6
KUU	0.7nm,0.4s			eS	Sb	07 38 00.7	+2.4
KTBS	Karabote	4.16	64	eP	Pb	07 37 13.0	+0.6
KTBS	1.7nm,0.6s			eS	Sb	07 38 05.2	+2.5
ARXS	Arharly	5.11	63	eP	Pb	07 37 30.7	+1.9
ARXS	1.9nm,0.6s			eS	Sb	07 38 35.7	+5.5
PDGK	Podgornoye	6.03	75	↑P	Pn	07 37 32.6	+4.1
PDGK	0.2nm,0.3s			↓L	Lg	07 39 07.5	

IDC 21 07:37:46.9±2.0,36:27N±120:82W,h0km,mb3.4/1,
 mb1 3.5/5,mb1mx3.3/40,mbtmp3.1/5,ML3.3/4,MS3.5/2,
 Ms1 3.5/2,ms1mx2.9/29,Error ellipse: s-maj=4.5km
 s-min=18.0km az=168.0
 ISCJB 21 07:37:47.1±0.2,36:27N±120:93W±0.03,h15km±2km,
 mb3.4/1,MS4.4/1,Error ellipse: s-maj=4.5km s-min=2.3km
 az=146.9
 NEIC 21 07:37:47.4±0.0,36:31N±120:85W,h10km,MW3.6(BRK),
 After NCDC.
 NEIC Felt (IV) at King City; [III] at Clovis and Lindsay; [II] at
 Fresno, Los Osos and Nipomo.
 ISC 21 07:37:47.6±0.9,36:29N±120:86W±0.02,h13km±6km,
 n128,±1920/129, Central California

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
ISC	h m s	ISC	ISC	ISC	ISC	ISC	ISC
PMPB	Monarch Peak	0.09	147	Op	Pg	07 37 50.0	0.0
LRC	Lone Oak Road	0.15	255	eP	Pg	07 37 51.1	-0.2
LRV	Little Rabbit	0.19	317	eP	Pg	07 37 52.0	+0.1
PJUM	Juniper Ridge	0.22	106	eP	Pg	07 37 52.4	+0.4
PCCM	Crazy Canyon	0.32	231	eP	Pg	07 37 54.4	+0.3
BBG	Big Mountain B	0.33	333	eP	Pg	07 37 54.5	+0.2
SHG	Shirtiloff Blvd	0.34	292	eP	Pg	07 37 54.1	-0.5
PHM	Phone Ranch	0.37	146	eP	Pg	07 37 55.1	-0.9
BVL	Bear Valley	0.39	317	eP	Pg	07 37 55.2	-0.3
PSTM	Stockdale Moun	0.46	141	eP	Pg	07 37 56.7	-0.9
PPO	Portuguese Can	0.46	155	eP	Pg	07 37 57.4	-0.3
BSSM	Soledad Missio	0.47	282	eP	Pg	07 37 56.6	-0.3
PHSB	Hesperia Broad	0.49	199	eP	Pg	07 37 57.0	-0.4
JHC	Johnson Canyon	0.50	301	eP	Pg	07 37 56.9	-0.6
PANM	San Antonio Re	0.51	184	eP	Pg	07 37 58.0	-0.5
BRMM	Rolling Bench	0.55	3	eP	Pg	07 37 59.0	-0.2
PHFM	Heflinger Ranc	0.55	137	eP	Pg	07 37 59.1	-0.1
WKR	Work Ranch	0.55	149	eP	Pg	07 37 58.8	-0.3
PAPM	Alder Peak	0.55	228	eP	Pg	07 37 58.6	+0.2
BCWM	Chews Ridge	0.57	272	eP	Pg	07 37 58.5	-0.3
GHC	Gold Hill	0.61	138	eP	Pg	07 38 01.5	-0.6
PSRM	Scobie Ranch	0.64	32	eP	Pg	07 38 00.4	-0.2
BVYM	Vineyard	0.64	136	eP	Pg	07 37 59.4	-0.8
PHCM	Hearth Castle	0.65	202	eP	Pg	07 38 00.4	-0.2
BSRM	Sallinas Radio	0.65	306	eP	Pg	07 37 59.6	-0.8
PKLM	Kerr Lake	0.66	140	eP	Pg	07 38 00.7	-0.3
SAO	San Andreas Ge	0.67	315	eP	Pg	07 37 59.8	-0.9
SAO	baz=25			eS	Sg	07 38 08.8	-0.8
BPGNC	Pine Canyon	0.68	295	eP	Pg	07 38 00.5	-0.4

FRP	Fremont Peak	0.69	313	eP	Pg	07 38 00.0	-1.0
PMMR	Macey Ranch	0.71	135	eP	Pb	07 38 01.7	-0.2
HSMF	Sty Francis	0.73	316	eP	Pg	07 38 01.6	-0.2
BPOM	Post Ranch	0.74	266	eP	Pg	07 38 01.3	-0.6
PAGE	Antelope Grade	0.74	138	eP	Pg	07 38 02.2	-0.3
PCBN	Cambridge	0.75	193	eP	Pg	07 38 02.1	-0.1
HSLM	San Luis Dam	0.81	347	eP	Pg	07 38 02.5	-0.8
ARDC	Alexander Ranc	0.83	187	eP	Pb	07 38 03.8	-0.1
HTUM	Tustin Road	0.83	311	eP	Pg	07 38 02.6	-1.1
SLD	San Luis Dam	0.84	340	eP	Pg	07 38 03.6	-0.3
HPCM	Pacheco Lake	0.84	337	eP	Pg	07 38 03.5	-0.4
PIRM	Parson Ranch	0.90	145	eP	Pg	07 38 05.9	-0.6
PTAM	Tassajara Cree	0.90	172	eP	Pb	07 38 04.9	-0.3
HCOM	Corn Cob Canyo	0.91	311	eP	Pg	07 38 04.5	-0.7
CBC	Chamberlain	0.91	315	eP	Pg	07 38 05.7	+0.4
PBPM	Bitterwater Pu	0.95	138	eP	Pn	07 38 06.6	-0.1
HLPM	Lions Peak	0.97	321	eP	Pg	07 38 05.9	-0.6
HSPM	Sheep	0.98	328	eP	Pg	07 38 06.0	-0.5
JELB	Ellicott, Sant	1.01	310	eP	Pg	07 38 06.0	-1.1
JLAB	Laurel Hill	1.11	321	eP	Pg	07 38 08.1	-1.0
MHDM	Hidden Dam	1.13	43	eP	Pg	07 38 07.5	-1.9
MYLM	Yosemite Lake	1.15	18	eP	Pg	07 38 07.8	-2.0
JUCM	University of S	1.19	307	eP	Pg	07 38 09.1	-0.1
SMCM	Simmler	1.20	144	P	Pg	07 38 09.4	-1.3
JJOM	Saint Joseph's	1.28	316	eP	Pn	07 38 10.2	-1.1
MMIM	Miami Mountain	1.44	38	eP	Pn	07 38 12.8	-0.8
YES	Vestal Richg	1.50	107	P	Pn	07 38 13.0	-1.3
YES	baz=289			S	Sn	07 38 32.5	-1.3
PKM	Mcpherson Peak	1.64	148	P	Pn	07 38 15.7	-0.6
MCUB	Copperopolis B	1.69	6	eP	Pn	07 38 15.8	-1.1
CMB	Columbia Colle	1.78	12	eP	Pn	07 38 17.8	-0.4
CMB	Columbia Colle	1.78	12	eP	Sn	07 38 39.0	-1.8
MNHB	New Hogan Dam	1.85	1	eP	Sn	07 38 18.4	-0.8
MIRM	Red Cones	1.95	47	Op	Pn	07 38 19.7	0.4
MDPB	Devils Postpil	1.96	46	eP	Sn	07 38 21.3	+0.5
MDPB	Devils Postpil	1.96	46	eP	Sn	07 38 45.8	+0.4
ARVC	Arvin	2.02	124	P	Pn	07 38 21.0	-0.3
ISA	Isabella, Lake	2.03	107	eP	Pn	07 38 21.3	-0.4
ISA	Isabella, Lake	2.03	107	eP	Sn	07 38 47.0	+0.1
ISA	Isabella, Lake	2.03	107	P	Pn	07 38 21.1	-0.5
WLHM	Little Horse	2.06	93	eP	Pn	07 38 22.7	+0.4
SBC	San Barbara	2.07	153	P	Pn	07 38 21.9	-0.1
MLAC	Mammoth, Mammo	2.10	50	P	Pn	07 38 23.8	+1.1
MLAC	baz=231,SNR=71			S	Sg	07 38 53.1	-2.2
MDRNC	Doe Ridge	2.11	50	eP	Pn	07 38 24.2	+1.3
CWC	Cottonwood Cre	2.25	85	P	Pn	07 38 25.8	+1.1
CWC	baz=268			S	Sn	07 38 54.1	+1.7
TIN	Tinemaha, Big	2.25	69	P	Pn	07 38 26.1	+1.5
TIN	baz=251,SNR=70			S	Sb	07 38 54.6	-1.4
OSI	Osito Audit: C	2.41	133	eP	Pn	07 38 27.3	+0.5
MCCM	Marconi Confer	2.46	320	eP	Pn	07 38 26.4	-0.9
WAKR	Walker	2.49	27	eP	Pn	07 38 29.7	+1.7
BLG	Laguna Peak, P	2.62	145	P	Pn	07 38 29.3	-0.4
DAC	Darwin (Calif)	2.64	89	eP			

21d 7h

Table with columns for station call letters, frequency, mode, and signal strength. Includes stations like XAN, DDI, WHN, SMLA, etc.

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Table with columns for station call letters, frequency, mode, and signal strength. Includes stations like KURK, OTUK, ZAAO, etc.

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Table with columns for station call letters, frequency, mode, and signal strength. Includes stations like DRGR, HERR, KWP, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like BWN Browne, RND Reindeer, MCK McKinley, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like LZH Chengdu, CD2 Chengdu, WMQ Urumqi, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like DEIG Mezcala, MEIG Mezcala, ARIG Puente Sto Nin, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PS4A, SDPT, KDAD, KDAK, KLU, INK, PETK, NVAR, H112, H113, H111, H115, H112, H113, TXAR, SONM, ARCES, FINES, AFI.

MEX 21 10:03:15.3:0.5, 16.67N:99.61W, h2km, MD3.9, Near coast of Guerrero. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC.

IDC 21 10:10:33.0:3.4, 20.50S:178.47W, h582km, 32km, mb3.2/6, mb1.3/4.7. Error ellipse: s-maj=50.2km az=144.0. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC.

IDC 21 10:33:26.2:0.2, 2.57N:92.48E, h0km, mb3.7/4, mb1.3/8.6, mb1mx3.5/44, mbmp3.7/6, ML3.8/2. Error ellipse: s-maj=62.7km s-min=22.9km az=56.0. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC.

IDC 21 10:42:46.3:0.9, 76.12N:0.04:24.5E:0.2, h10km, Error ellipse: s-maj=7.9km s-min=5.1km az=176.6. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ZF12, ARAO, ARAO, ARAO.

ISCJB 21 10:46:54.5:1.0, 31.12S:0.09:178.7W:0.2, h350km, mb2.9/2, Error ellipse: s-maj=27.9km s-min=9.9km az=174.4. IDC 21 10:46:55.2:7.5, 31.00S:179.61W, h325km, 76km, mb2.7/2, mb1.3/2.3, mb1mx2.9/28, mbmp3.8/3, Error ellipse: s-maj=79.2km s-min=33.3km az=8.0. WEL 21 10:46:57.0:0.8, 31.5:8.7:17.9W:1.8, h308km, 15km. ISC 21 10:46:53.2:1.1, 31.13S:0.09:178.7W:0.2, h350km, n51, a187/56, Kermadec Islands region.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like GLKZ, WMGZ, HAZ, HAZ, PKUZ, PUKI, RUGZ, WCZ, TWGZ, OPRZ, CNKG, TKGZ, MWZ, ETAZ, URZ, URZ, URZ, RIVAZ, RIGZ, TOZ, MUGZ, PRGZ, SHNZ, KNGZ, ALRZ, MHGZ, RAHZ, MTHZ, WHZ, KUTZ, MRHZ, NMHZ, NMHZ, AROAZ, BKZ, HIZ, MCHZ, CKHZ, KWHZ, TWVZ, KAHZ, BOVZ, PKXZ, VNRZ, PNHZ, WPHZ, PRHZ, TSZ, ASAR, ASAR, WRA, FINES, NOA, BRTR.

IGQ 21 10:54:14.6:0.9, 4.9S:12.2:81W:11, h12km, MLV4.8/6, Peru-Ecuador border.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MILO, MILO, COHC, RIOE, RIOE, BMAS, ARRY, PATI, BBIL, BPAT, RETU, JUJU, POND, BULB, RUNS, BRUN, SAGO, PUYO, PISO, ILLI, BMOR, BNAS, GREF, NASZ, BTAM, BVCC, PITA, NINA, ANTG, ANTS, PACI, CUIC, URCU.

IDC 21 10:58:25.9:2.9, 38.04N:74.09E, h130km, 26km, mb3.9/22, mb1.4/28, mb1mx3.9/53, mbmp4.3/28, MS3.8/2, Ms1.3.8/2, ms1mx2.6/51, Error ellipse: s-maj=15.7km s-min=10.1km az=16.0. ISCJB 21 10:58:27.2:0.2, 38.14N:0.02:74.13E:0.03, h152km, mb4.3/92, Error ellipse: s-maj=3.9km s-min=2.4km az=163.5. MOS 21 10:58:28.0:1.0, 38.23N:74.18E, h155km, mb4.3/33, Error ellipse: s-maj=8.2km s-min=4.4km az=87.8. NEIC 21 10:58:30.0:3.4, 38.19N:74.14E, h145km, 3km, mb4.5/65, Error ellipse: s-maj=4.1km s-min=3.5km az=201.0. BUI 21 10:58:29.2, 38.31N:74.24E, h153km, mb4.5/18, MB4.6/15. NJI 21 10:58:32.7:1.9, 38.61N:73.99E, h173km, 10km, mb3.9, mpv4.8, Error ellipse: s-maj=18.7km s-min=13.6km az=166.0. ISC 21 10:58:28.3:0.3, 38.16N:0.04:74.04E:0.04, h152km, n256, a174/274, mb4.4/91, 18C-8D, Tajikistan-Xinjiang border region.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SFK, SFK, SFK, NRR, NRR, NRR, KZA, UCH, ULHL, MNAS, MNAS, MNAS, AAK, AAK, AAK, EKSZ, CHCP, KBK, NIL, NIL, NIL, CEPT, FRU, FRU, FRU, FRU, FRU, TAS, TAS, CHMS, TKM2, TKM2, USP, PRZ, PRZ, AAA, AAA, AAA, KNDC, KK31, KK31, KK31, KKAR, KKAR, KKAR, DHRM, DHRM, DHRM, SARP, PDGK, PDGK, SMLA, SMLA, SMLA, DDI, DDI, NDI, NDI, OTU, MAKZ, MAKZ, MAKZ, MK01, MK01, MK01, MK31, MK31, MK31, WMQ, PYUN, GEYT, GEYT, GYA0B, DANN, KURBB, KURBB, KURK, KURK, KURK, KOLN, GKN, KKN, DMN, DMN, PKI, PKI, GUN, JIRN, DGZ, AB31, AB31.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other technical details. Includes stations like AB31, ABKAR, BVA0, BVA0, BVA0, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other technical details. Includes stations like TIXI, GERES, KHC, KHC, KHC, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other technical details. Includes stations like OHAK, DBIC, DBIC, DBIC, etc.

IDC 21 11:05:08.1-1.5, 4.32S-145.85E, h0km, mb3.5/5, mb1 4.1/4, mb1mx3.5/8, mbtmp3.5/6, ML3.4/1, Error ellipse: s-maj=52.5km s-min=26.8km az=120.0, Near north coast of New Guinea.

IDC 21 11:05:09.4:11.0, 15.23S-166.67E, h0km, mb4.0/3, mb1 4.1/4, mb1mx3.6/42, mbtmp3.5/5, ML3.6/1, MS2.8/1, Ms1 2.8/1, ms1mx2.4/31, Error ellipse: s-maj=195.0km s-min=38.3km az=62.0, Vanuatu Islands.

IDC 21 11:15:01.8:3.4, 35.14N:6.03W, h0km, mb3.5/2, mb1 3.6/5, mb1mx3.3/48, mbtmp3.5/5, ML3.8/3, Error ellipse: s-maj=92.6km s-min=17.9km az=86.0.

CNRM 21 11:15:04.1, 35.23N:6.18W, h33km, ML4.0 IGL1 21 11:15:08.6, 35.07N:5.75W, h20km, ML3.2 SFS 21 11:15:09.0, 35.12N:5.71W, h29km, ML3.3, KSAR EL KEBIR (MARRUECCOS).

MDD 21 11:15:09.3:0.5, 35.07N:5.71W, h67km:12km, mb3.9/31, Error ellipse: s-maj=5.1km s-min=3.8km az=64.0, PRXIMO INMG 21 11:15:09.1, 1.6, 35.11N:5.71W, h31km, 9km, ML3.1, Error ellipse: s-maj=4.7km s-min=3.4km az=5.0.

LDG 21 11:15:10.3:0.2, 35.15N:5.72W, h20km, ML3.6/5, Error ellipse: s-maj=4.9km s-min=2.6km az=4.0. IDC 21 11:15:07.0:0.8, 35.08N:0.04:5.75W:0.03, h66km, 9km, n132, s255/216, 4C-2D, Strait of Gibraltar.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other technical details. Includes stations like RSA, RSA, RSA, RSA, etc.

KSH	S	S	12 12 45.6 +5.5
KSH	ScS	ScS	12 12 50.1 +1.7
KSH	pmax	pmax	
comp-Z,39nm,1.1s			
KSH	pmax	pmax	
comp-Z,450nm,3.6s			
KSH	LR	LR	
comp-Z,3um,9.1s			
KSH	LR	LR	
comp-Z,2um,10.2s			
KSH	LR	LR	
comp-Z,2um,13.4s			
MNAS	Manas	46.42 286 P	12 05 55.0 +0.5
MNAS	comp-Z,14nm,1.7s		
RES	Resolute Bay	46.54 18 P	12 05 55.6 +0.8
RES	comp-Z,12nm,0.8s,baz=294,slo=7.4,SNR=19		
RES	Resolute Bay	46.54 18 P	12 05 55.3 +0.4
RES	comp-Z,16nm,0.8s		
SHL	Shillong	46.75 254 eP	12 05 56.2 -1.1
SHL	comp-Z,13nm,1.0s		
SHL	Shillong	46.75 254 eP	12 05 56.2 -1.1
SHL	comp-Z,13nm,1.0s		
SHL	Shillong	46.75 254 eP	12 05 47.0 -1.0
KK31	Karatay Array	47.17 288 eP	12 06 00.0 -0.2
KK31	Karatay Array	47.17 288 eP	12 06 00.0 -0.1
KKAR	Karatay Array	47.17 288 eP	12 06 00.1 -0.1
KKAR	Karatay Array	47.17 288 eP	12 06 03.5 +1.0
SFK	Sufi-Kurgan	47.42 283 P	
SFK	comp-Z,6.0nm,1.2s		
PRGR	Permogore	47.98 320 eP	12 06 06.0 -0.2
PRGR	comp-Z,5.1nm,0.8s		
CHTO	Chiang Mai	48.24 241 eP	12 06 08.3 -0.5
CHTO	comp-Z,9.3nm,0.9s		
CHTO	Chiang Mai	48.24 241 eP	12 06 08.3 -0.5
CHTO	comp-Z,9.0nm,0.9s		
ODAN	Odare	48.38 259 eP	12 06 09.1 -0.9
ODAN	comp-Z,5.1nm,0.9s		
GUN	Gumba	48.48 262 eP	12 06 09.9 -1.1
GUN	comp-Z,22nm,0.8s		
JIRN	Jiri	48.48 261 eP	12 06 09.2 -1.8
JIRN	comp-Z,38nm,0.9s		
CMAR	Chiang Mai Arr	48.54 241 P	12 06 10.7 +0.6
CMAR	comp-Z,0.5nm,0.3s,baz=24,slo=8.2,SNR=6.4		
CMAR	Chiang Mai Arr	48.54 241 eP	12 06 11.1 0.0
CMAR	comp-Z,2.0nm,0.8s,baz=7.1,slo=2.6,SNR=7.8		
CMAR	Chiang Mai Arr	48.54 241 eP	12 06 10.6 -0.7
CM01	Chiang Mai Arr	48.56 241 eP	12 07 38.3 +1.4
CM01	comp-Z,2.0nm,0.8s		
KKN	Kakani	48.93 262 eP	12 06 12.0 -2.3
KKN	comp-Z,20nm,0.9s		
PKIN	Phulchoki	49.02 262 eP	12 06 12.7 -2.3
PKIN	comp-Z,1.1nm,0.8s		
ABKAR	Akbulak array	49.07 301 eP	12 06 14.5 -0.3
ABKAR	comp-Z,2.0nm,0.8s		
ARCES	ARCCESS Array B	49.11 336 P	12 06 15.7 +0.7
ARCES	comp-Z,8.3nm,1.2s,baz=40,slo=8.5,SNR=4.5		
ARCES	Daman	49.17 262 eP	12 06 14.1 -2.0
ARCES	comp-Z,17nm,19.5s,baz=2.0,slo=40		
DMN	Dangsing	49.41 264 eP	12 06 17.3 -0.8
DMN	comp-Z,37nm,0.8s		
DAG	Danmarks Havn	49.47 354 i P	12 06 16.3 -1.2
DAG	comp-Z,24nm,0.8s		
DAG	Danmarks Havn	49.47 354 i P	12 06 16.3 -1.2
DAG	comp-Z,24nm,0.6s		
YKA	Yellowknife Ar	49.52 37 P	12 06 18.0 -0.1
YKA	comp-Z,1.3nm,0.6s,baz=305,slo=7.8,SNR=4.8		
YKA	Koldanda	49.94 263 eP	12 06 20.5 -1.5
YKA	comp-Z,45nm,18.3s,baz=310,slo=40		
KOLN	Koldanda	49.94 263 eP	12 06 22.5 -0.4
KOLN	comp-Z,24nm,1.0s		
PYUN	Pluthu	50.06 264 eP	12 06 36.4 +8.7
PYUN	comp-Z,55nm,0.8s		
SRK	Srakaw	50.73 235 P	12 06 37.0 +3.4
SRK	comp-Z,22nm,1.2s		
MSF	Maaseika	50.75 331 P	12 06 36.0 -0.3
MSF	comp-Z,26nm,0.9s		
NIL	Nilore	51.88 277 eP	12 06 36.0 -0.3
NIL	comp-Z,15nm,0.8s		
NIL	Nilore	51.88 277 eP	12 06 38.2 +0.1
NIL	comp-Z,15nm,0.8s		
JOF	Joensuu	52.18 327 P	12 06 38.9 +0.3
JOF	comp-Z,96nm,1.4s		
OUL	Oulu	52.25 331 P	12 06 51.3 +0.2
OUL	comp-Z,32nm,1.8s		
SUF	Suomien	53.95 329 P	12 06 53.3 -0.3
SUF	comp-Z,46nm,0.7s		
SUMG	Summit	54.23 0 eP	12 06 54.0 +0.5
SUMG	comp-Z,39nm,1.0s		
SUMG	Summit	54.23 0 i P	12 06 54.0 +0.5
SUMG	comp-Z,91nm,1.0s		
SUMG	Summit	54.23 0 i P	12 06 57.5 +0.7
SUMG	comp-Z,91nm,1.0s		
VAF	Vlistaro	54.73 331 P	12 06 58.3 0.0
VAF	comp-Z,34nm,1.4s		
FAI1	FINESS Array S	54.93 328 eP	12 07 58.9 -1.0
FAI1	comp-Z,43nm,0.8s		
FAI1	FINESS Array B	54.93 328 eP	12 07 59.4 -0.5
FAI1	comp-Z,43nm,0.8s		
FINES	FINESS Array B	54.93 328 eP	12 06 58.4 +0.1
FINES	comp-Z,23nm,0.5s,baz=31,slo=6.4,SNR=173		
FINES	FINES	54.93 328 eP	12 07 59.0 -1.0
FINES	comp-Z,3.8nm,0.6s,baz=96,slo=5.6,SNR=2.3		
FINES	Moscow	55.01 318 eP	12 06 57.3 -1.6
FINES	comp-Z,48nm,20.5s,baz=37,slo=39		
MOS	Moscow	55.01 318 eP	12 07 56.2
MOS	comp-Z,27nm,0.8s		
MOS	Obninsk	55.88 318 P	12 07 05.5 +0.4
MOS	comp-Z,3.0nm,0.4s,baz=262,slo=1.7,SNR=7.1		
MOS	Obninsk	55.88 318 eP	12 07 05.5 +0.4
MOS	comp-Z,13nm,0.5s		
MOS	Obninsk	55.88 318 d i P	12 07 05.2 0.0
MOS	comp-Z,13nm,0.5s		
MOS	Obninsk	55.88 318 eS	12 14 53.3 +1.6
MOS	comp-Z,15nm,1.2s		
OBN	Obninsk	55.88 318 P	12 07 05.9 +0.3
OBN	comp-Z,294nm,15.0s		
D03D	Eldon	55.95 55 P	12 07 07.1 +1.3
D03D	comp-Z,314		
B06A	Marblemount	56.04 53 eP	12 07 07.2 +0.8
B06A	comp-Z,1.1nm,0.5s		
VRH	Novokhopryovs	56.52 312 eP	12 07 08.6 -1.2
VRH	comp-Z,10.0nm,0.4s		
LPSR	Galich ya Gora	56.72 315 eP	12 07 10.4 -0.8
LPSR	comp-Z,30nm,1.6s		
VSU	Vasula	57.00 326 i P	12 07 13.2 +0.1
VSU	comp-Z,49nm,0.8s		
VSU	comp-Z,7.30nm,16.0s		
GEYT	Alibeck	57.62 291 P	12 07 18.4 +0.5
GEYT	comp-Z,3.6nm,0.6s,baz=60,slo=8.8,SNR=11		
GEYT	ALIBECK ARRAY	57.62 291 eP	12 07 17.8 -0.1
GEYT	comp-Z,213nm,18.5s,baz=215,slo=36		
GEYT	Storozhevoje	57.62 314 eP	12 07 15.8 -1.8
GEYT	comp-Z,10.0nm,0.6s		
VORD	Divnogorie	57.75 313 eP	12 07 17.9 -0.6
VORD	comp-Z,7.0nm,0.5s		
NEW	Newport	58.27 51 P	12 07 24.4 +2.2

NEW	Newport	58.27 51 eP	12 07 22.5 +0.2
FCC	Fort Churchill	59.09 31 eP	12 07 27.9 +0.2
FCC	Fort Churchill	59.09 31 eP	12 07 27.9 +0.2
FCC	Fort Churchill	59.09 31 eP	12 07 27.9 +0.2
FCC	Fort Churchill	59.09 31 eP	12 07 27.9 +0.2
KBO	Bosley Butte	59.15 60 eP	12 07 30.4 +1.8
KBO	comp-Z,46nm,1.1s		
WALA	Waterton Lakes	59.15 48 eP	12 07 29.2 +0.7
WALA	comp-Z,11nm,1.0s		
WALA	Waterton Lakes	59.15 48 eP	12 07 29.2 +0.7
WALA	comp-Z,5.2nm,0.9s		
IZAR	Zarasai	59.28 324 eP	12 07 28.8 -0.3
IZAR	comp-Z,2.0nm,0.8s		
NC303	NORSAR Array S	59.28 335 eP	12 07 29.2 +0.2
NC303	comp-Z,2.0nm,0.8s		
NC405	NORSAR Array S	59.29 335 eP	12 07 29.3 +0.5
NC405	comp-Z,2.0nm,0.8s		
NC204	NORSAR Array S	59.42 6 P	12 07 29.8 -0.2
NC204	comp-Z,1.4nm,0.7s,baz=352,slo=6.8,SNR=6.7		
SFJD	Kangerlussuaq	59.42 6 eP	12 07 30.3 +0.4
SFJD	comp-Z,20nm,0.8s		
SFJD	Kangerlussuaq	59.42 6 i P	12 07 29.7 -0.2
SFJD	comp-Z,17nm,0.8s		
SFJD	Kangerlussuaq	59.42 6 eP	12 07 30.3 +0.4
SFJD	comp-Z,2.0nm,0.8s		
IDID	Didzalasai	59.44 323 eP	12 07 29.9 -0.3
IDID	comp-Z,2.0nm,0.8s		
NB201	NORSAR Array S	59.45 335 eP	12 07 30.4 +0.1
NB201	comp-Z,2.0nm,0.8s		
ISAL	Salakas	59.46 324 eP	12 07 30.0 -0.3
ISAL	comp-Z,2.0nm,0.8s		
NB2	NORSAR Subarra	59.48 335 P	12 07 30.4 -0.1
NB2	comp-Z,2.0nm,0.8s		
NB2	NORSAR Subarra	59.48 335 P	12 07 30.4 -0.1
NB2	comp-Z,2.0nm,0.8s		
NOA	NORSAR Array B	59.48 335 P	12 07 30.4 -0.1
NOA	comp-Z,8.2nm,0.7s,baz=32,slo=6.9,SNR=54		
NOA	Hull Mountain	59.51 59 eP	12 07 32.8 +1.8
NOA	comp-Z,2.74nm,21.2s,baz=30,slo=38		
HUMO	Hull Mountain	59.51 59 eP	12 07 31.1 -0.2
HUMO	comp-Z,5.7nm,0.9s		
HIGN	Ignina	59.60 324 eP	12 07 31.4 +0.1
HIGN	comp-Z,2.0nm,1.1s		
NB000	NORSAR Array S	59.61 333 P	12 07 31.2 -0.1
NB000	comp-Z,2.5nm,0.6s,baz=35,slo=5.4,SNR=153		
HFS	Hagfors	59.61 333 P	12 07 31.7 0.0
HFS	comp-Z,2.5nm,0.6s		
NC602	NORSAR Array S	59.66 335 eP	12 07 33.7 +1.4
NC602	comp-Z,2.0nm,1.1s		
PINE	Pine Mountain	59.67 56 eP	12 07 32.5 +0.3
PINE	comp-Z,2.0nm,1.1s		
FFC	Flin Flon	59.68 37 eP	12 07 32.5 +0.6
FFC	comp-Z,2.0nm,1.0s		
FFC	Flin Flon	59.68 37 i P	12 07 32.8 +0.9
FFC	comp-Z,2.0nm,1.0s		
NAO01	NORSAR Array S	59.73 335 eP	12 07 32.5 +0.3
NAO01	comp-Z,2.0nm,1.1s		
NACGM	Naroch	59.75 323 eP	12 07 28.0 -4.4
NACGM	comp-Z,2.0nm,1.1s		
F10A	Beach Ranch, E	59.89 53 eP	12 07 33.9 +0.3
F10A	comp-Z,3.4nm,0.8s		
J05D	Fort Rock, OR	59.90 57 eP	12 07 34.9 +1.1
J05D	comp-Z,3.0nm,1.1s		
JTMT	Jette	59.95 49 eP	12 07 34.8 +0.8
JTMT	comp-Z,5.6nm,0.9s		
L04D	Klamath Falls	60.13 59 P	12 07 35.9 +0.5
L04D	comp-Z,3.0nm,1.1s		
YBH	Yreka Blue Hor	60.27 59 P	12 07 38.2 +1.9
YBH	comp-Z,5.2nm,2.0s		
YBH	Blue Mountains	60.68 53 eP	12 07 39.9 +0.9
YBH	comp-Z,3.0nm,1.1s		
BMO	Blue Mountains	60.68 53 eP	12 07 39.9 +0.9
BMO	comp-Z,3.0nm,1.1s		
BMO	Macdoel	60.68 59 P	12 07 39.3 +0.2
BMO	comp-Z,3.0nm,1.1s		
M04C	Macdoel	60.68 59 P	12 07 42.0 +1.7
M04C	comp-Z,2.2nm,1.1s		
KMRM	Mali Ridge	60.86 61 eP	12 07 41.9 +0.5
KMRM	comp-Z,1.7nm,0.8s		
KONO	Kongsberg	61.09 335 eP	12 07 40.8 -0.7
KONO	comp-Z,5.2nm,1.7s		
KONO	Kongsberg	61.09 335 eP	12 07 43.2 +0.5
KONO	comp-Z,3.0nm,1.1s		
J08A	Circle Bar Ranch	61.21 55 eP	12 07 43.2 +0.5
J08A	comp-Z,3.0nm,1.1s		
NCK	Nalchik	61.24 305 i P	12 07 41.5 -1.2
NCK	comp-Z,6.0nm,0.7s		
NCK	Kislovodsk	61.34 306 eP	12 07 44.1 +0.5
NCK	comp-Z,1.8nm,0.9s		
KIV	Kislovodsk	61.34 306 eP	12 07 44.0 +0.5
KIV	comp-Z,1.7nm,1.0s		
KIV	comp-Z,1.7nm,1.0s		
KIV	Mt. Diablo Mer	61.37 60 P	12 07 43.9 +0.1
KIV	comp-Z,368nm,17.0s		
O02D	Mt. Diablo Mer	61.37 60 P	12 07 44.0 +0.2
O02D	comp-Z,3.0nm,1.1s		
MOD	Modoc Plateau	61.38 58 eP	12 07 44.8 +1.0
MOD	comp-Z,3.5nm,0.8s,baz=42,slo=11,SNR=6.8		
KBZ	Khabaz	61.41 306 P	12 39 57.0
KBZ	comp-Z,228nm,18.1s,baz=54,slo=62		
KBZ	Tsey	61.61 304 eP	12 07 44.2 -1.3
KBZ	comp-Z,4.0nm,0.6s		
EGMT	Eagleton	61.75 47 eP	12 07 46.2 0.0
EGMT	comp-Z,14nm,1.1s		
EGMT	Eagleton	61.75 47 eP	12 07 47.3 +0.6
EGMT	comp-Z,14nm,1.1s		
O03E	Paynes Creek	61.79 60 P	12 07 46.3 -0.5
O03E	comp-Z,6.3nm,1.0s		
WVOR	Wild Horse Val	61.82 56 eP	12 07 46.3 -0.5
WVOR	comp-Z,6.0nm,1.0s		
WVOR	Wild Horse Val	61.82 56 eP	12 07 47.9 +0.6
WVOR	comp-Z,6.0nm,1.0s		
HRY	Holter Researc	61.83 49 eP	12 07 47.8 +1.8
HRY	comp-Z,1.0nm,0.6s		
NEY	Netyrino	61.85 305 i P	12 07 47.0 -1.1
NEY	comp-Z,2.6nm,0.8s		
NEY	Prapat	61.97 232 eP	12 07 47.0 -1.1
NEY	comp-Z,6.0nm,0.8s		
PSI	Prapat	61.97 232 eP	12 07 49.3 +1.5
PSI	comp-Z,6.0nm,0.8s		
PSI	Del	61.98 303 eP	12 07 47.7 -0.9
PSI	comp-Z,3.3nm,0.7s,baz=36,slo=7.8,SNR=14		
TBLG	Del	61.98 303 eP	12 35 53.0
TBLG	comp-Z,3.4nm,21.2s,baz=40,slo=37		
AKASG	Mainl Array Be	62.13 319 P	12 07 47.2 -1.4
AKASG	comp-Z,6.6nm,0.8s		
AKASG	Mainl Array Si	62.14 319 eP	12 07 47.2 -1.4
AKASG	comp-Z,7.2nm,0.		

T25A	comp=Z,8.4nm,1.1s baz=325	72.77	50	P	P	12 08 56.1	-0.4
TUE	Stuetta	72.78	328	eP	P	12 08 56.2	-0.1
FITZ	comp=Z,11nm,0.8s Fitzroy Crossi	72.79	197	LR	LR	12 09 30.00	
FITZ	comp=Z,58nm,21.2s,baz=91,slow=34 Fitzroy Crossi	72.79	197	eP	P	12 08 55.7	-0.5
I40A	comp=Z,6.0nm,0.9s Norwalk	72.80	37	P	P	12 08 55.4	-0.8
PDG	Podgorica	72.83	320	iP	P	12 08 55.3	-1.1
PDG	Podgorica	72.83	320	eP	P	12 08 55.5	-0.9
TTG	Podgorica	72.83	320	eP	P	12 08 55.9	-0.4
TTG	comp=Z,17nm,0.9s Podgorica	72.83	320	eP	P	12 08 55.9	-0.4
J39A	comp=Z,17nm,0.9s Deceur	72.88	38	P	P	12 08 55.3	-1.4
I41A	comp=Z,8.8nm,0.8s Arkdale	72.92	37	eP	P	12 08 56.2	-0.7
I41A	comp=Z,8.8nm,0.8s Arkdale	72.92	37	P	P	12 08 56.1	-0.8
H42A	comp=Z,2.1nm,0.9s Shiocton	73.00	36	eP	P	12 08 56.6	-0.7
STON	Ston	73.05	321	eP	P	12 08 55.0	-2.6
DRIME	Dracynia, Mon	73.06	320	eP	P	12 08 57.1	-0.7
F46A	Macinaw City C	73.15	33	P	P	12 08 57.0	-1.2
J40A	Soldiers Grove	73.18	38	P	P	12 08 57.0	-1.4
VLDQ	comp=Z,1.9nm,1.0s Val d'Or	73.20	27	eP	P	12 08 57.2	-1.3
H43A	comp=Z,1.8nm,0.8s Windswept, Lux	73.30	35	eP	P	12 08 58.3	-0.8
H43A	comp=Z,1.8nm,0.8s Windswept, Lux	73.30	35	P	P	12 08 58.0	-1.1
K39A	comp=Z,1.7nm,0.8s Delwein	73.35	39	P	P	12 08 57.8	-1.7
FNA	comp=Z,1.0nm,0.8s Florina	73.39	317	eP	P	12 08 59.7	-0.1
FNA	comp=Z,1.0nm,0.8s Florina	73.39	317	P	P	12 08 59.6	-0.2
MMAI	comp=Z,10.0nm,0.8s Mount Meron A1	73.41	303	P	P	12 09 00.1	+0.1
I42A	comp=Z,2.2nm,0.5s,baz=57,slow=6.1 Draeger Farm,	73.41	36	eP	P	12 08 59.0	-0.8
I42A	comp=Z,2.1nm,0.9s Draeger Farm,	73.41	36	P	P	12 08 59.0	-0.8
WRAB	comp=Z,1.0nm,1.1s Tennant Creek	73.47	188	eP	P	12 08 59.5	-0.7
WRAB	comp=Z,1.0nm,1.1s Tennant Creek	73.47	188	eP	P	12 08 58.0	-2.2
J41A	comp=Z,1.7nm,1.7s Loganville	73.47	37	P	P	12 08 59.1	-1.0
CBK5	comp=Z,1.7nm,0.8s Cedar Bluff	73.48	46	eP	P	12 08 59.6	-0.7
CBK5	comp=Z,1.7nm,0.8s Cedar Bluff	73.48	46	eP	P	12 08 59.6	-0.7
CBK5	comp=Z,1.7nm,0.8s Cedar Bluff	73.48	46	P	P	12 08 59.6	-0.7
WB2	comp=Z,1.7nm,0.8s Warramunga Arr	73.48	188	eP	P	12 08 59.0	-1.3
WRA	comp=Z,4.3nm,0.7s,baz=6.2,slow=6.6,LR=58 Warramunga Arr	73.48	188	P	P	12 08 59.0	-1.3
WRA	comp=Z,1.18nm,21.1s,baz=170,slow=35 Warramunga Arr	73.48	188	P	P	12 08 59.0	-1.3
TIR	comp=Z,5.0nm,0.7s Tirane	73.51	319	eP	P	12 08 59.7	-0.7
TIR	comp=Z,2.6nm,0.7s Tirane	73.51	319	eP	P	12 08 59.7	-0.7
SCIA	comp=Z,2.26nm,0.7s State Center	73.53	40	eP	P	12 09 00.3	-0.2
TUC	comp=Z,2.4nm,1.0s Tucson	73.59	58	eP	P	12 09 01.9	+0.7
TUC	comp=Z,2.7nm,0.9s Tucson	73.59	58	P	P	12 09 02.1	+1.0
TUC	comp=Z,4.0nm,0.9s Tucson	73.59	58	P	P	12 09 01.4	+0.3
ANMO	comp=Z,2.2nm,0.9s Albuquerque	73.59	53	eP	P	12 09 01.2	-0.1
ANMO	comp=Z,2.2nm,0.9s Albuquerque	73.59	53	eP	P	12 09 00.8	-0.5
ANMO	comp=Z,10.0nm,1.7s Albuquerque	73.59	53	P	P	12 09 01.5	+0.2
K40A	comp=Z,3.0nm,0.8s Colesburg	73.64	38	P	P	12 08 59.8	-1.3
CABF	comp=Z,7.0nm,1.0s La Chapelle	73.65	330	eP	P	12 09 03.9	+2.6
I43A	comp=Z,7.0nm,1.0s Langefeld Bro	73.68	36	P	P	12 09 00.4	-1.0
LOR	comp=Z,6.0nm,0.7s Lornes	73.69	332	eP	P	12 08 59.3	-1.1
LOR	comp=Z,6.0nm,0.7s Lornes	73.71	54	eP	P	12 09 02.9	+0.9
LAZ	comp=Z,1.1nm,0.6s Jewell Farm	73.78	38	eP	P	12 09 01.5	-0.5
JFWS	comp=Z,1.1nm,0.6s Jewell Farm	73.78	38	eP	P	12 09 01.5	-0.5
JFWS	comp=Z,1.1nm,0.6s Jewell Farm	73.78	38	eP	P	12 09 01.5	-0.5
JFWS	comp=Z,1.1nm,0.6s Jewell Farm	73.78	38	P	P	12 09 00.7	-1.3
L39A	comp=Z,3.0nm,0.8s Vinton	73.81	39	P	P	12 09 01.1	-1.1
J42A	comp=Z,3.0nm,0.8s Columbus	73.83	37	P	P	12 09 01.4	-0.9
GRR	comp=Z,3.1nm,0.8s Gorron	73.90	336	eP	P	12 09 01.8	-0.8
SSF	comp=Z,10.0nm,0.9s Saint Saule	73.98	332	eP	P	12 09 02.0	-1.1
SSF	comp=Z,7.0nm,0.7s Shullsburg	74.02	38	P	P	12 09 02.2	-1.2
J43A	comp=Z,3.0nm,0.8s Natural Harves	74.03	36	P	P	12 09 02.5	-0.9
D53A	comp=Z,3.0nm,0.8s Lac Vacive, Po	74.08	27	P	P	12 09 02.8	-0.9
L40A	comp=Z,3.0nm,0.8s Anamosa	74.15	39	P	P	12 09 02.8	-1.4
BNN	comp=Z,3.0nm,0.8s Barren Site	74.16	54	eP	P	12 09 05.4	+0.8
K42A	comp=Z,3.1nm,0.8s Prairie Point	74.22	37	P	P	12 09 04.3	-1.2
SMF	comp=Z,4.4nm,1.8s Avril sur Loir	74.27	332	eP	P	12 09 03.8	-1.0
AVF	comp=Z,4.4nm,1.8s Avril sur Loir	74.27	332	eP	P	12 09 03.8	-1.0
M39A	comp=Z,8.0nm,0.8s Webster	74.30	40	P	P	12 09 04.0	-1.1
L41A	comp=Z,3.0nm,0.8s Preston	74.41	38	P	P	12 09 04.3	-1.3
SGMF	comp=Z,3.0nm,0.8s Saint Giles	74.44	337	eP	P	12 09 05.2	-0.5
LPL	comp=Z,5.2nm,1.7s La Plagne	74.45	330	eP	P	12 09 05.9	-0.2
LPG	comp=Z,2.9nm,1.6s La Plagne	74.46	329	eP	P	12 09 06.7	+0.4
KSU1	comp=Z,9.0nm,0.8s Kansas State U	74.56	44	eP	P	12 09 05.9	-0.7
KSU1	comp=Z,1.5nm,0.8s Kansas State U	74.56	44	P	P	12 09 05.3	-1.3
M40A	comp=Z,3.0nm,0.8s Post Highland	74.61	39	P	P	12 09 05.5	-1.3
K43A	comp=Z,4.0nm,1.0s Burlington	74.65	36	eP	P	12 09 06.8	-0.3
K43A	comp=Z,4.0nm,1.0s Burlington	74.65	36	P	P	12 09 05.9	-1.2
N39A	comp=Z,3.4nm,0.8s Derby Farms, D	74.69	40	eP	P	12 09 06.1	-1.2
N39A	comp=Z,3.4nm,0.8s Derby Farms, D	74.69	40	P	P	12 09 06.3	-1.0

E53A	comp=Z,2.7nm,2.0s Dumoine, Ponti	74.73	28	P	P	12 09 06.6	-0.9
L42A	comp=Z,2.7nm,0.6s Oliver, Polo	74.78	38	eP	P	12 09 06.5	-1.3
L42A	comp=Z,3.1nm,1.4s Oliver, Polo	74.78	38	P	P	12 09 06.3	-1.5
E54A	comp=Z,7.0nm,0.8s Lac Daplat, Po	74.82	27	P	P	12 09 07.6	-0.4
IGT	comp=Z,7.0nm,0.8s Iguoumitsa	74.87	317	P	P	12 09 10.2	+1.8
QUIF	comp=Z,7.0nm,0.8s Quistinic	74.90	337	eP	P	12 09 07.7	-0.7
L43A	comp=Z,1.13nm,2.0s Garden Prairie	74.96	37	P	P	12 09 07.5	-1.4
M41A	comp=Z,3.0nm,0.8s Milan	75.00	39	P	P	12 09 07.8	-1.3
N40A	comp=Z,3.0nm,0.8s Mertquake, Sal	75.04	40	P	P	12 09 08.2	-1.2
TCF	comp=Z,4.4nm,1.8s Touix Ste Croi	75.05	333	eP	P	12 09 08.6	-0.7
AQU	comp=Z,4.4nm,1.8s L'Aquila	75.07	324	eP	P	12 09 09.5	-0.1
AQU	comp=Z,4.4nm,1.8s L'Aquila	75.07	324	eP	P	12 09 09.5	-0.1
319A	comp=Z,1.3nm,0.8s Douglas	75.09	57	eP	P	12 09 10.5	+0.5
MBDF	comp=Z,1.7nm,0.8s Montbardon	75.15	329	eP	P	12 09 09.8	-0.3
M42A	comp=Z,1.3nm,0.8s Sheffield	75.22	38	P	P	12 09 08.9	-1.5
ORIF	comp=Z,2.9nm,0.8s Oris-en-Rattie	75.25	330	eP	P	12 09 11.1	+0.5
L44A	comp=Z,2.9nm,0.8s Lake County Fo	75.26	36	P	P	12 09 09.8	-0.8
J47A	comp=Z,2.9nm,0.8s Sunner	75.39	34	P	P	12 09 10.6	-0.7
N41A	comp=Z,2.5nm,0.9s Harden Midland	75.47	39	eP	P	12 09 11.2	-0.6
M43A	comp=Z,2.5nm,0.9s Waltham Townsh	75.53	38	P	P	12 09 11.1	-1.1
RAYN	comp=Z,1.8nm,1.1s Ar Rayn	75.55	290	eP	P	12 09 11.4	-1.2
RAYN	comp=Z,1.8nm,1.1s Ar Rayn	75.55	290	eP	P	12 09 11.4	-1.2
K46A	comp=Z,1.8nm,1.1s Dorr	75.55	35	P	P	12 09 11.4	-0.9
VIVF	comp=Z,3.7nm,1.9s Saint-Julien-I	75.66	331	eP	P	12 09 14.5	+1.6
N42A	comp=Z,3.1nm,0.8s Yates City	75.67	39	P	P	12 09 11.5	-1.4
AMTX	comp=Z,3.1nm,0.8s Amarillo	75.88	50	eP	P	12 09 13.9	-0.5
AMTX	comp=Z,3.1nm,0.8s Amarillo	75.88	50	P	P	12 09 13.9	-0.5
M44A	comp=Z,3.1nm,0.8s Midewin, Midew	75.91	37	eP	P	12 09 13.1	-1.2
M44A	comp=Z,3.1nm,0.8s Midewin, Midew	75.91	37	P	P	12 09 13.5	-0.8
O41A	comp=Z,3.1nm,0.8s Passey Farm,	75.97	39	P	P	12 09 13.4	-1.3
L46A	comp=Z,3.1nm,0.8s Eue Claire	75.97	35	P	P	12 09 14.2	-0.5
MSTX	comp=Z,3.1nm,0.8s Muleshoe	76.13	51	eP	P	12 09 15.8	0.0
M45A	comp=Z,3.1nm,0.8s Boilermakers S	76.19	36	P	P	12 09 14.7	-1.2
O42A	comp=Z,3.1nm,0.8s Bath	76.20	39	P	P	12 09 14.8	-1.1
ITM	comp=Z,3.1nm,0.8s Ithomi	76.21	315	eP	P	12 09 15.6	-0.5
K49A	comp=Z,3.1nm,0.8s Clarkson	76.24	33	P	P	12 09 14.6	-1.6
CUC	comp=Z,3.1nm,0.8s Castrocuoco	76.24	321	eP	P	12 09 15.7	-0.6
P41A	comp=Z,3.1nm,0.8s Barry, Barry	76.28	40	P	P	12 09 15.5	-1.0
EIL	comp=Z,3.1nm,0.8s Elat	76.33	301	P	P	12 09 16.6	-0.3
L47A	comp=Z,3.1nm,0.8s Sherwood	76.38	35	P	P	12 09 16.0	-1.0
N44A	comp=Z,3.1nm,0.8s Piper City	76.39	37	P	P	12 09 16.0	-1.0
M46A	comp=Z,3.1nm,0.8s Old House Fiel	76.49	36	eP	P	12 09 17.3	-0.3
M46A	comp=Z,3.1nm,0.8s Old House Fiel	76.49	36	P	P	12 09 17.0	-0.6
N45A	comp=Z,3.1nm,0.8s Kentland	76.57	37	P	P	12 09 17.4	-0.7
TIP	comp=Z,3.1nm,0.8s Timpagrande	76.59	320	eP	P	12 09 18.3	0.0
TIP	comp=Z,3.1nm,0.8s Timpagrande	76.59	320	iP	P	12 09 16.5	-1.8
P42A	comp=Z,3.1nm,0.8s Winchester	76.63	39	eP	P	12 09 17.6	-0.9
P42A	comp=Z,3.1nm,0.8s Winchester	76.63	39	P	P	12 09 17.2	-1.3
L48A	comp=Z,3.1nm,0.8s N Adams	76.67	34	P	P	12 09 17.9	-0.8
LF	comp=Z,3.1nm,0.8s La Frestate	76.69	333	eP	P	12 09 1	

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like X41A Kaden, Bauxite, WHTX Lake Whitney, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like X52A Dahlonaga, 147A Livingston, 344A Westrook Farm, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like MK31 Makanchi Array, MAK2 Makanchi, MAKZ, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MDP, LIC, TIC, KIC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Y52A, Y52A, Y53A, etc.

IDC 21 12:32:38.5-14.0, 15:07S-167:15E, h0km, mb3.9/3, mb1.4/0.4, mb1mx3.6/43, mbtmp3.4/0, ML3.5/1, Error ellipse: s-maj=245.1km s-min=40.2km az=65.0, Vanuatu Islands

IDC 21 13:31:56.4-5.7, 10:31N-84:06W, h33km, 39km, mb3.8/6, mb1.4/2.8, mb1mx3.7/40, mbtmp4.0/8, ML3.6/2, MS3.5/1.1, Ms1.3/5/1.1, ms1mx3.3/33, Error ellipse: s-maj=53.8km s-min=39.8km az=68.0

IDC 21 13:31:56.0-0.7, 21:83S-0:03-68:54W, h139km, 7km, mb4.5/5, Error ellipse: s-maj=14.7km s-min=5.3km az=6.5

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Y47A, Y47A, Y47A, etc.

MEX 21 13:03:54.5-0.3, 17:26N-94:34W, h160km, 4km, MD4.1, Chiapas

IDC 21 13:31:59.6-1.2, 9:97N-106:85:66W, h0.04, h27km, 8km, n159, r15/150, mb4.3/39, MS3.4/9, Off coast of Costa Rica

IDC 21 13:32:26.9-1.1, 18:27S-176:94W, h0km, mb3.3/3, mb1.3/6/3, mb1mx3.4/42, mbtmp3.3/3, Error ellipse: s-maj=403.4km s-min=41.0km az=143.0, Fiji Islands

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like X48A, X48A, X48A, etc.

MEX 21 13:07:38.0-0.7, 16:30N-98:22W, h10km, 5km, MD3.9, Near coast of Guerrero

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like X49A, X49A, X49A, etc.

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like X49A, X49A, X49A, etc.

IDC 21 13:18:26.2-9.1, 18:27S-176:94W, h0km, mb3.3/3, mb1.3/6/3, mb1mx3.4/42, mbtmp3.3/3, Error ellipse: s-maj=403.4km s-min=41.0km az=143.0, Fiji Islands

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like X49A, X49A, X49A, etc.

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like X49A, X49A, X49A, etc.

ISC/JB 21 13:31:54.9-0.4, 21:83S-0:03-68:54W, h139km, 7km, mb4.5/5, Error ellipse: s-maj=14.7km s-min=5.3km az=6.5

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like X49A, X49A, X49A, etc.

GUC 21 13:31:56.0-0.7, 21:83S-68:53W, h120km, 4km, ML3.6, NEIC 21 13:31:56.0-0.0, 21:82S-68:53W, h122km, 4km, 0.3/3, After GUC

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like X49A, X49A, X49A, etc.

IDC 21 13:32:00.1-6.4, 21:58S-67:88W, h136km, 49km, mb4.0/3, mb1.3/7.5, mb1mx3.4/35, mbtmp4.2/5, MS3.5/1, Ms1.3/5/1, ms1mx2.5/27, Error ellipse: s-maj=54.6km s-min=38.8km az=28.0

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like X49A, X49A, X49A, etc.

ISC 21 13:31:55.9-0.8, 21:83S-100:46:46W, h0.08, h125km, 8km, n40, r15/1256, mb4.5/13, 10C-3D, Chile-Bolivia border region

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like X49A, X49A, X49A, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PB09, PB09, PB09, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like X49A, X49A, X49A, etc.

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like X49A, X49A, X49A, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PB03, PB03, PB03, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like X49A, X49A, X49A, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PB01, PB01, PB01, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like X49A, X49A, X49A, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PB07, PB07, PB07, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like X49A, X49A, X49A, etc.

21d 16h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OKH Okha, NKL Nikolayevsk, TYV Tymovskoe, etc.

MAN 21 15:57:25.4, 16:13N-120:18E, h14km, mb4.4, ML3.2, MS3.0, Luzon

MAN 21 16:02:07.4, 16:15N-120:17E, h6km, mb4.1, ML2.9, MS2.6, Luzon

DSN 21 16:13:19.9-0.7, 25:36N-56:29E, h5km, ML3.8/13, Error ellipse: s-maj=6.4km s-min=3.7km az=76.0
IDC 21 16:13:19.7-0.8, 25:22N-56:14E, h0km, mb0.4/1.7, mb1.4/1.20, mb1mx3.9/5.2, mbtmp4.0/2.0, ML4.1/1.3, MS3.1/3, MS1.3/2.3, ms1mx2.8/3.4, Error ellipse: s-maj=19.8km s-min=14.8km az=9.0
ISCJB 21 16:13:20.3-0.5, 25:36N-01:02:56:24E-0.04, h9km, 3km, mb4.1/23, MS3.2/4, Error ellipse: s-maj=6.1km s-min=3.4km az=10.6
OMAN 21 16:13:20.7-0.1, 25:36N-56:25E, h4km, Error ellipse: s-maj=1.3km s-min=0.7km az=252.0
THR 21 16:13:21.2-0.3, 25:30N-56:25E, h17km, 2km, ML3.7
NEIC 21 16:13:22.9-0.8, 25:11N-56:14E, h25km, 7km, mb4.5/2, Error ellipse: s-maj=9.4km s-min=6.9km az=176.0
NEIC Felt at Al Fujayrah, United Arab Emirates and at Madha, Oman.
ISC 21 16:13:21.8-0.7, 25:31N-01:02:56:21E-0.04, h13km, 4km,

2012 OCT

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MSFE Esma-Masafi, UOSS Minazif, HATD Hatta, Dubai, etc.

MAN 21 16:36:40.3, 6:47N-123:64E, h5km, mb5.2, ML4.2, MS4.4, 3D, Mindanao

MAN 21 16:38:13.2, 27:49N-58:92E, h6km, mb4.5/22, MB4.7/15, MS4.2/6, Ms7.4/1.5

MOS 21 16:38:15.7-1.4, 27:57N-59:35E, h33km, mb4.6/30, Error ellipse: s-maj=9.1km s-min=5.7km az=70.0
NEIC 21 16:38:17.8-0.5, 27:54N-59:43E, h10km, mb4.8/18, ML4.7(THR), MN4.7(TEH), Error ellipse: s-maj=11.3km s-min=6.8km az=168.0
ISCJB 21 16:38:20.0-0.2, 27:54N-01:02:59:77E-0.02, h10km, mb4.4/52, MS3.6/2, Error ellipse: s-maj=3.3km s-min=2.3km az=139.4
TEH 21 16:38:23.2-0.7, 26N-59:54E, h10km, ML4.6
IDC 21 16:38:27.0-0.7, 27:70N-59:42E, h75km, 6km, mb3.8/18, mb1.4/0.19, mb1mx3.8/4.6, mbtmp4.1/1.9, MS3.4/4, Ms1.3/4.4, ms1mx2.4/4.2, Error ellipse: s-maj=15.8km s-min=11.7km az=92.0
OMAN 21 16:38:28.3-1.6, 27:30N-59:42E, h10km, Error ellipse: s-maj=15.2km s-min=11.7km az=57.0
DSN 21 16:38:31.0-2.1, 27:10N-59:42E, h15km, ML4.8/18, Error ellipse: s-maj=36.9km s-min=14.1km az=174.0
ISC 21 20:13:21.6-0.3, 27:60N-01:02:59:62E-0.02, h10km, n240, e220/172, mb4.5/1.7, 3C, Southern Iran

1000

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ASAR Alice Springs, H01W2 Cape Leeuwin, etc.

ISCJB 21 16:34:22.1-0.4, 27:30N-01:06:126:92E-0.07, h156km, 6km, mb3.6/7, Error ellipse: s-maj=13.9km s-min=5.4km az=44.6
IDC 21 16:34:22.4-2.0, 27:29N-126:79E, h140km, 29km, mb3.5/7, mb1.3/0.9, mb1mx3.3/4.9, mbtmp4.0/8, Error ellipse: s-maj=69.6km s-min=34.6km az=68.0
JMA 21 16:34:23.9-0.3, 27:38N-126:86E, h138km, 5km, M3.8
ISC 21 16:34:22.9-0.8, 27:36N-01:08:126:89E-0.09, h147km, 10km, n24, e131/37, mb3.8/7, Northwest of Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JAGN Aguni-jima, JIHL Iheya, etc.

MAN 21 16:36:40.3, 6:47N-123:64E, h5km, mb5.2, ML4.2, MS4.4, 3D, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SKMP Bagumbayan, Su, CTBH Cotabato-PC H, etc.

BUTP Butuan 3.17 38 eP Pb 16 37 35.6 -1.5
BUJ 21 16:38:13.2, 27:49N-58:92E, h6km, mb4.5/22, MB4.7/15, MS4.2/6, Ms7.4/1.5
MOS 21 16:38:15.7-1.4, 27:57N-59:35E, h33km, mb4.6/30, Error ellipse: s-maj=9.1km s-min=5.7km az=70.0
NEIC 21 16:38:17.8-0.5, 27:54N-59:43E, h10km, mb4.8/18, ML4.7(THR), MN4.7(TEH), Error ellipse: s-maj=11.3km s-min=6.8km az=168.0
ISCJB 21 16:38:20.0-0.2, 27:54N-01:02:59:77E-0.02, h10km, mb4.4/52, MS3.6/2, Error ellipse: s-maj=3.3km s-min=2.3km az=139.4
TEH 21 16:38:23.2-0.7, 26N-59:54E, h10km, ML4.6
IDC 21 16:38:27.0-0.7, 27:70N-59:42E, h75km, 6km, mb3.8/18, mb1.4/0.19, mb1mx3.8/4.6, mbtmp4.1/1.9, MS3.4/4, Ms1.3/4.4, ms1mx2.4/4.2, Error ellipse: s-maj=15.8km s-min=11.7km az=92.0
OMAN 21 16:38:28.3-1.6, 27:30N-59:42E, h10km, Error ellipse: s-maj=15.2km s-min=11.7km az=57.0
DSN 21 16:38:31.0-2.1, 27:10N-59:42E, h15km, ML4.8/18, Error ellipse: s-maj=36.9km s-min=14.1km az=174.0
ISC 21 20:13:21.6-0.3, 27:60N-01:02:59:62E-0.02, h10km, n240, e220/172, mb4.5/1.7, 3C, Southern Iran

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details. Includes stations like WMQ, DGZ, ZAAO, ZALV, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like TXAR, Lajitas Array, etc.

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details. Includes stations like UOSS, Minazif, HATD, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like SJI Sorong, MJAR Matsushiro Arr, ILAR Eielson Array, CMAR Chiang Mai Arr, etc.

ISCJB 21 18:01:37.0.0.7, 11°85'N, 0°08'43.11"E, 0.08, h17km, 13km, Error ellipse: s-maj=1.7km s-min=0.8km az=137.7

ARO 21 18:01:37.8, 11°8N, 0°3'43.1E, 0.4, h8km, 2km, M1.9

ISC 21 18:01:37.0.1.2, 11°84'N, 0°07'41.1E, 0.06, h18km, 7km, n8, 0°33'10, Ethiopia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like MCAD Moucha, TDD Tadjujara, OBO Obock, etc.

DJA 21 18:11:40.1, 0.7, 3°55'N, 12°8'E, h29km, 11km, M3.6/6, ML3.6/6, Seram

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like AAI Ambon, BNDI Bandanaira, SANI Sanana, etc.

IDC 21 18:13:05.3, 5.4, 6.55S, 151°40'E, h0km, mb3.6/3, mb1 3.8/3, mb1mx3.4/3, mb2mx3.6/3, Error ellipse: s-maj=125.8km s-min=48.2km az=119.0, New Britain region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, FITZ Fitzroy Crossi, etc.

ISCJB 21 18:21:04.7, 0.5, 37°50'N, 0°03'35.75E, 0.04, h1km, 4km, Error ellipse: s-maj=5.6km s-min=5.2km az=39.2

DDA 21 18:21:04.1, 37°51'N, 35°75'E, h7km, M1.7

ISK 21 18:21:04.1, 37°47'N, 35°88'E, h13km, ML2.6/2

ISC 21 18:21:03.7, 0.9, 37°49'N, 0°04'35.77E, 0.03, h17km, 6km, n11, 0°57'42, Turkey

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like KOZT Kozaan, ANDN Andirin, SAIM ADANA, etc.

IDC 21 18:21:23.4, 4.0, 15°27'S, 69°93'W, h237km, 25km, mb3.2/2, mb1 3.4/4, mb1mx3.0/3, mb2mx3.8/4, Error ellipse: s-maj=56.0km s-min=23.5km az=110.0, Peru-Bolivia border region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like LPAZ La Paz, PTGA Pitinga, PLCA Paso Flores, etc.

GUC 21 18:21:32.3, 0.5, 22°19'S, 68°68'W, h117km, 4km, ML2.6, 3C-1D, Northern Chile

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like PB09 IPOC Station P, PB06 IPOC Station P, PB03 IPOC Station P, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like mb1 4.3/4, mb1mx3.8/2, mb2mx4.0/4, MS2.9/3, Ms1 2.9/3, ms1mx2.7/2, Error ellipse: s-maj=234.7km s-min=32.0km az=162.0, Tonga Islands

ISCJB 21 19:03:22.5, 0.3, 38°70'N, 0°01'28.04E, 0.02, h5km, 3km, Error ellipse: s-maj=2.2km s-min=2.2km az=22.6

DDA 21 19:03:22.5, 38°71'N, 28°05'E, h23km, M1.3

ISK 21 19:03:22.4, 38°69'N, 28°04'E, h7km, ML3.5/3

ATH 21 19:03:23.1, 38°65'N, 27°95'E, h23km, 3km, ML1.1/3, Error ellipse: s-maj=3.4km s-min=1.4km az=181.0

THE 21 19:03:24.0, 38°65'N, 27°99'E, h6km, 1km, ML3.2/3, Error ellipse: s-maj=1.7km s-min=0.4km az=60.0

ISC 21 19:03:22.9, 0.9, 38°69'N, 0°02'28.04E, 0.02, h8km, 7km, n97, 0°56'42, Turkey

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like GOMA Goltarmara-Man, AKS Akhisar, AKNT Manisa, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like LIA Limnos Island, APE Apeiranthos, APE Apeiranthos, etc.

IDC 21 19:07:49.4, 1.3, 37°01'N, 55°32'E, h0km, mb3.6/10, mb1 3.9/14, mb1mx3.7/46, mb2mx3.6/14, ML3.4/4, Error ellipse: s-maj=31.8km s-min=13.2km az=3.0

ISCJB 21 19:07:50.2, 0.2, 37°07'N, 0°03'55.53E, 0.03, h10km, mb3.5/12, Error ellipse: s-maj=3.9km s-min=2.8km az=157.8

TEH 21 19:07:50.0, 37°01'N, 55°57'E, h10km, ML4.0

THR 21 19:07:50.1, 0.4, 36°97'N, 55°62'E, h6km, 4km, ML3.7

NHC 21 19:07:58.7, 3.5, 37°67'N, 56°17'E, h0km, mb3.9, Error ellipse: s-maj=38.9km s-min=24.2km az=56.0

ISC 21 19:07:49.8, 0.5, 37°05'N, 0°03'55.53E, 0.03, h10km, n91, 0°24'19, mb3.6/12, 11C-3D, Iran-Turkmenistan border region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like MRVT Maraveh tapeh, MRVT Maraveh tapeh, SHRO Shahrood, etc.

Table with columns: IAHB, IAMB, Iamb, Time, Res, and various station names like IMYA, QALM, QALM, etc.

Table with columns: ISHB, IAMB, Iamb, Time, Res, and various station names like DDFL, DDFL, DDFL, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station names like KSR5, HHC, HHC, etc.

Table with columns for ID, Name, Date, Time, and other details. Includes entries like Flagon Creek P, Kurthwood, Tifton, Pearson, Camden, Jackson Lee, B, Quitman, Grady, etc.

Table with columns for Name, Date, Time, and other details. Includes entries like GOGA, GOGA Godfrey, GOGA, GOGA, GOGA Godfrey, Y46A Houston, etc.

Table with columns for Name, Date, Time, and other details. Includes entries like W50A Signal Mountain, W51A Cleveland, W52A Murphree, W41B Gary Mavity, etc.

21d 20h

T48A	Bowling Green	24.37	4	P	P	20 33 31.3	-0.1
T42A	Van Buren	24.37	354	eP	P	20 33 31.1	-0.4
T42A	Van Buren	24.37	354	P	P	20 33 31.4	0.0
T50A	Nancy	24.41	7	P	P	20 33 32.3	+0.5
T49A	Edmonton	24.43	5	P	P	20 33 32.4	+0.5
GD12	Guadalupe Moun	24.43	325	eP	P	20 33 33.1	+0.9
T41A	Mountain View	24.46	353	P	P	20 33 32.5	+0.3
T51A	Gray	24.47	8	P	P	20 33 33.4	+1.0
SABA	Saba	24.58	75	eP	P	20 33 40.7	+7.2
MNTX	Cornudas Mount	24.65	323	eP	P	20 33 34.1	+0.1
MNTX	Cornudas Mount	24.65	323	P	P	20 33 34.1	+0.1
T40A	Mansfield	24.66	352	P	P	20 33 34.5	+0.4
T39A	Clever	24.67	350	P	P	20 33 34.8	+0.6
T52A	Halle	24.76	10	P	P	20 33 35.9	+0.9
SMRT	St. Maarten	24.80	74	eP	P	20 33 34.0	-1.5
SEUS	St. Eustatius	24.81	76	eP	P	20 33 40.0	+4.5
S47A	Hartford	24.83	3	P	P	20 33 35.2	-0.3
S43A	Fulton Ridge	24.83	356	P	P	20 33 35.4	-0.2
T38A	Diamond	24.85	348	P	P	20 33 36.2	+0.4
S45A	Carrier Mills	24.88	359	P	P	20 33 35.8	-0.2
S46A	Don Dixon Farm	24.89	1	P	P	20 33 36.0	-0.1
S44A	Carbonate	24.91	358	P	P	20 33 36.8	+0.5
SIUC	Southern Illin	24.93	358	eP	P	20 33 36.9	+0.4
S48A	Wiedeman Farm,	24.93	4	P	P	20 33 36.4	-0.2
MSTX	Mushoes	24.99	330	P	P	20 33 37.7	+0.4
S41A	Jillico Farms,	24.99	353	P	P	20 33 37.2	+0.2
S42A	Caledonia	25.08	355	P	P	20 33 37.4	-0.4
S50A	Richmond	25.11	7	P	P	20 33 38.8	+0.6
S49A	Springfield	25.12	5	P	P	20 33 38.3	+0.1
S51A	Beattyville	25.18	9	eP	P	20 33 39.8	+1.0
S51A	Beattyville	25.18	9	P	P	20 33 39.5	+0.7
AMTX	Amarillo	25.25	333	eP	P	20 33 40.3	+0.8
AMTX	Amarillo	25.25	333	P	P	20 33 40.2	+0.7
S52A	Salyersville	25.30	10	P	P	20 33 40.8	+1.0
S39A	Bolivar	25.31	350	eP	P	20 33 40.5	+0.5
S39A	Bolivar	25.31	350	P	P	20 33 40.4	+0.5
S38A	Stockton	25.35	349	P	P	20 33 40.6	+0.3
BLA	Blacksburg	25.39	15	eP	P	20 33 42.3	+1.5
BLA	Blacksburg	25.39	15	P	P	20 33 42.3	+1.5
CCM	Cathedral Cave	25.40	354	eP	P	20 33 40.9	+0.1
CCM	Cathedral Cave	25.40	354	P	P	20 33 40.9	+0.1
R46A	Gibson Southern	25.42	1	P	P	20 33 41.2	+0.3
R44A	Waltonville	25.46	358	P	P	20 33 41.5	+0.2
MLYT	Lee's Yard	25.47	78	eP	P	20 33 36.6	-5.0
MLYT	Lee's Yard	25.47	78	P	P	20 33 54.0	+1.2
WCI	Wyandotte Cave	25.49	3	eP	P	20 33 41.7	+0.2
WCI	Wyandotte Cave	25.49	3	P	P	20 33 41.7	+0.2
WCI	Wyandotte Cave	25.49	3	P	P	20 33 41.5	0.0
R45A	Skyilar, Fairri	25.50	360	P	P	20 33 41.9	+0.3
R43A	Red Bud	25.52	357	P	P	20 33 42.1	+0.3
R47A	Wooly Knot Far	25.54	3	P	P	20 33 41.9	-0.1
R42A	Luebbering	25.59	355	P	P	20 33 42.4	-0.1
R49A	Shelbyville	25.64	6	P	P	20 33 42.9	0.0
R41A	Rosebud	25.66	354	P	P	20 33 43.1	0.0
R48A	Northridge Ran	25.69	4	P	P	20 33 43.3	0.0
R50A	Paris	25.72	7	P	P	20 33 44.2	+0.6
R51A	Hillsboro	25.83	8	P	P	20 33 45.4	+0.7
TBG	Guadalupe-3	25.92	80	eP	P	20 33 47.0	+1.3
OL1L	Olney	25.94	0	eP	P	20 33 46.0	+0.4
ANWB	Willie Bob	25.96	76	PFAKE	LR	20 34 00.0	+1.4
ANWB	Willie Bob	25.96	76	eP	P	20 33 43.2	-2.8
R52A	Catlettsrg	26.02	10	P	P	20 33 46.9	+0.6
BBL	Barber's Block	26.07	81	eP	P	20 33 46.1	-1.0
MDPO	Dominica; Chan	26.09	81	eP	P	20 33 49.1	+1.8
Q45A	Warren Harvey,	26.10	0	P	P	20 33 47.3	+0.3
Q44A	Meyer Farm, Va	26.11	359	P	P	20 33 47.4	+0.2
MDPV	Dominica, Penn	26.12	80	eP	P	20 33 50.3	+2.7
MDVC	Morne-Daniel	26.14	81	eP	P	20 33 48.4	+0.7
Q43A	New Douglas	26.18	357	P	P	20 33 47.7	0.0
Q47A	Bedord North L	26.18	3	P	P	20 33 47.9	0.0
Q42A	Golden Eagle	26.20	356	P	P	20 33 48.0	+0.1
Q48A	North Vernon	26.22	4	P	P	20 33 48.1	-0.1
Q46A	CEJHS Indians,	26.23	1	P	P	20 33 48.6	+0.3
MGG	Marie-Galante	26.24	80	eP	P	20 33 50.4	+1.8
SVB	Belmont	26.27	86	eP	P	20 33 49.7	+0.8
DLP	La Plaine	26.28	81	eP	P	20 33 52.9	+3.9
Q41A	Truxton	26.29	355	P	P	20 33 48.9	+0.1
Q50A	Georgetown	26.31	7	P	P	20 33 49.2	+0.2
FDL	Fort de France	26.36	82	eP	P	20 33 49.1	-0.7
FDL	Fort de France	26.36	82	P	P	20 33 47.2	-2.5
Q49A	Aurora	26.37	6	P	P	20 33 49.8	+0.2
SVCV	St. Vincent, C	26.37	86	eP	P	20 33 52.1	+2.3
Q51A	Peebles	26.58	8	P	P	20 33 51.6	+0.2
Q51A	Peebles	26.58	8	P	P	20 33 52.3	+0.8
Q51A	Peebles	26.58	8	P	P	20 33 52.3	+0.8
P44A	Sand Creek, Wi	26.67	359	P	P	20 33 52.2	-0.1
TBH	Brigand Hill	26.67	92	eP	P	20 33 54.3	+1.8
121A	Cookes Peak, D	26.68	321	P	P	20 33 54.3	+1.7
Q52A	Bidwell	26.69	10	P	P	20 33 53.2	+0.8

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P45A	Graceland, Par	26.73	1	eP	P	20 33 52.8	0.0
P45A	Graceland, Par	26.73	1	P	P	20 33 52.8	0.0
P47A	Mansville	26.74	3	P	P	20 33 52.7	-0.2
P48A	Milroy	26.77	5	P	P	20 33 52.8	-0.4
R58B	Mineral	26.80	18	P	P	20 33 54.7	+1.3
P46A	Rosedale	26.83	2	P	P	20 33 53.6	-0.1
P42A	Winchester	26.85	356	P	P	20 33 53.5	-0.4
P43A	Skaggs, Pawnee	26.87	358	P	P	20 33 53.9	-0.1
P49A	Miami Univ. Ec	26.91	6	P	P	20 33 54.1	-0.3
BOT	Bacolet	26.93	90	eP	P	20 33 54.2	-0.6
NNA	Nana	26.99	155	P	P	20 33 57.3	+1.9
NNA	Nana	26.99	155	P	P	20 33 57.3	+1.9
NNA	Nana	26.99	155	P	P	20 33 57.3	+1.9
NNA	Nana	26.99	155	P	P	20 33 57.3	+1.9
P51A	Williamsport	27.07	9	eP	P	20 33 56.3	+0.5
P51A	Williamsport	27.07	9	P	P	20 33 56.3	+0.5
P50A	Jamestown	27.09	7	P	P	20 33 56.1	+0.1
TOSP	Speyside	27.10	90	eP	P	20 33 55.9	-0.4
BNM	Barren Site	27.15	325	eP	P	20 33 58.2	+1.3
CBN	Corbin Frederi	27.18	19	PFAKE	LR	20 34 10.0	+1.3
CBN	Corbin Frederi	27.18	19	P	P	20 33 58.4	+1.6
Y2D	IRIS PASCALL I	27.26	324	P	P	20 34 00.3	+2.5
LPM	Los Pinos Moun	27.27	325	eP	P	20 33 59.3	+1.4
KSU1	Kansas State U	27.34	346	eP	LR	20 33 58.5	+0.3
KSU1	Kansas State U	27.34	346	P	P	20 33 58.3	+0.1
O44A	Mansfield	27.35	360	P	P	20 33 58.2	-0.1
LENM	Lemitar	27.36	325	eP	P	20 34 00.0	+1.3
P53A	Whipple	27.36	12	eP	P	20 33 59.6	+1.1
P53A	Whipple	27.36	12	P	P	20 33 59.6	+1.1
P52A	Corning	27.37	10	P	P	20 33 59.1	+0.6
O41A	Pasleys Farm,	27.42	356	P	P	20 33 58.3	-0.6
O42A	Bath	27.45	357	P	P	20 33 58.7	-0.5
O45A	Potomac	27.45	1	P	P	20 33 59.1	-0.1
O47A	Sheridan	27.49	3	P	P	20 33 59.1	-0.6
O43A	Creek Fa	27.50	358	P	P	20 33 59.8	+0.1
O48A	Farmland	27.59	5	P	P	20 33 60.0	-0.5
SFIN	Lafayette	27.60	2	eP	P	20 33 59.9	-0.6
SFIN	Lafayette	27.60	2	P	P	20 34 00.0	-0.5
O49A	Covington	27.60	6	eP	P	20 34 00.6	+0.1
O49A	Covington	27.60	6	P	P	20 34 00.4	-0.1
O50A	Cable	27.64	8	P	P	20 34 01.4	+0.4
ANMO	Albuquerque	27.65	326	P	P	20 34 03.1	+1.8
ANMO	Albuquerque	27.65	326	P	P	20 37 18.9	+1.2
ANMO	Albuquerque	27.65	326	P	P	20 37 32.6	
ANMO	Albuquerque	27.65	326	P	P	20 46 43.0	
ANMO	Albuquerque	27.65	326	eP	P	20 34 02.7	+1.4
ANMO	Albuquerque	27.65	326	eP	P	20 37 18.9	+1.2
ANMO	Albuquerque	27.65	326	eP	P	20 34 00.6	-0.7
O51A	Pataksala	27.79	9	P	P	20 34 02.8	+0.5
ACSO	Alum Creek Sta	27.82	9	eP	P	20 34 02.5	+0.1
ACSO	Alum Creek Sta	27.82	9	LR	LR	20 34 03.0	+0.6
MCWV	Mont Chateau	27.86	14	P	P	20 34 04.0	+1.1
MCWV	Mont Chateau	27.86	14	P	P	20 34 03.9	+1.1
O52A	Adamsville	27.89	10	eP	P	20 34 03.6	+0.5
O52A	Adamsville	27.89	10	P	P	20 34 03.8	+0.7
BBGH	Gun Hill	27.92	86	PFAKE	LR	20 34 20.0	+1.6
CBKS	Cedar Bluff	27.96	341	eP	P	20 34 04.5	+0.6
CBKS	Cedar Bluff	27.96	341	LR	LR	20 34 04.5	+0.6
CBKS	Cedar Bluff	27.96	341	eP	P	20 34 04.5	+0.6
CBKS	Cedar Bluff	27.96	341	eP	P	20 34 04.5	+0.6
CBKS	Cedar Bluff	27.96	341	P	P	20 34 04.5	+0.6
N44A	Piper City	27.99	0	P	P	20 34 03.5	-0.5
N41A	Harden Midland	28.0					

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BRNJ	Basking Ridge	30.35	21	eP	P	20 34 26.5 +1.6
K50A	Casco	30.36	8	P	P	20 34 25.0 0.0
MVCO	Mesa Verde	30.43	327	eP	P	20 34 27.3 +1.2
MVCO	Mesa Verde				LR	LR
MVCO	Mesa Verde	30.43	327	P	P	20 34 27.2 +1.2
J42A	Columbus	30.52	359	P	P	20 34 25.9 -0.6
J47A	Summer	30.58	5	P	P	20 34 26.0 -0.9
J43A	Natural Harves	30.58	360	P	P	20 34 26.1 -0.8
J41A	Loganville	30.60	357	P	P	20 34 26.9 -0.3
J46A	Howard City	30.62	4	P	P	20 34 27.5 +0.2
OGNE	Ogallala	30.64	339	eP	P	20 34 29.3 +1.6
OGNE	Ogallala				LR	LR
OGNE	Ogallala	30.64	339	P	P	20 34 28.8 +1.1
CPNY	Central Park	30.66	21	eP	P	20 34 29.1 +1.4
J40A	Soldier Grove	30.67	356	P	P	20 34 27.2 -0.6
J39A	Decorah	30.68	355	P	P	20 34 27.0 -0.9
ODNJ	Ogdensburg	30.69	20	eP	P	20 34 29.2 +1.2
J48A	Bridge Port	30.73	6	P	P	20 34 27.6 -0.7
KSPA	Keystone Colle	30.74	18	eP	P	20 34 29.9 +1.5
PAL	Palisades	30.86	21	eP	P	20 34 30.7 +1.2
PAL	Palisades	30.86	21	eP	pmx	20 34 30.7 +1.2
PAL	Palisades	30.86	21	P	P	20 34 30.4 +0.9
J49A	Marlette	30.87	7	P	P	20 34 28.8 -0.7
WUAZ	Wupatki	30.89	321	eP	P	20 34 31.5 +1.5
WUAZ	Wupatki				ePcP	20 37 27.2 +1.3
WUAZ	Wupatki	30.89	321	P	P	20 34 31.3 +1.3
Y14A	Wickenburg	30.93	317	eP	P	20 34 31.7 +1.4
Y14A	Pitina	31.03	113	P	PcP	20 37 27.1 +1.3
PTGA	Pitina	31.03	113	P	P	20 34 29.5 -1.8
PTGA	Pitina	31.03	113	P	P	20 37 26.8 +0.5
PTGA	Pitina	31.03	113	P	P	20 34 29.5 -1.8
PTGA	Pitina	31.03	113	P	PcP	20 37 27.4 +1.0
ISCO	Idaho Springs	31.07	333	eP	P	20 34 32.9 +1.2
ISCO	Idaho Springs	31.07	333	eP	pmx	20 34 32.9 +1.2
ISCO	Idaho Springs	31.07	333	P	P	20 34 33.0 +1.3
I43A	Langenfeld Bro	31.08	0	P	P	20 34 30.7 -0.7
I42A	Dräger Farm	31.09	359	eP	P	20 34 31.2 -0.3
I42A	Dräger Farm	31.09	359	P	P	20 34 31.2 -0.3
I40A	Norwalk	31.16	357	P	P	20 34 31.5 -0.6
SMCO	Snowmass	31.18	331	eP	P	20 34 34.2 +1.4
I39A	Houston	31.18	355	eP	P	20 34 31.8 -0.6
I39A	Houston	31.18	355	P	P	20 34 31.7 -0.6
MMNY	Mt. Morris Dam	31.23	15	eP	P	20 34 33.6 +0.8
BINY	Binghamton	31.26	18	eP	P	20 34 34.0 +1.0
BINY	Binghamton				LR	LR
BINY	Binghamton	31.26	18	P	P	20 34 34.0 +1.0
I41A	Arkdale	31.29	358	eP	P	20 34 32.9 -0.3
I41A	Arkdale	31.29	358	P	P	20 34 32.9 -0.3
PV13	Radium Mtn., P	31.31	328	eP	P	20 34 35.6 +1.8
PV03	Paradox Valley	31.40	328	eP	PcP	20 34 35.3 +0.8
PV03	Paradox Valley	31.48	7	P	P	20 37 28.1 +0.9
I49A	Point Hope	31.48	7	P	P	20 34 34.2 -0.6
YLE	Yale	31.49	22	eP	P	20 34 36.5 +1.6
ACTO	Acton	31.60	11	P	P	20 34 36.1 +0.2
GLA	Glamis	31.66	314	P	P	20 34 38.0 +1.4
H43A	Windswept, Lux	31.67	1	P	P	20 34 35.8 -0.8
H42A	Shiocton	31.71	360	P	P	20 34 36.2 -0.7
ECSD	EROS Data Cent	31.77	348	eP	P	20 34 37.1 -0.4
ECSD	EROS Data Cent				LR	LR
ECSD	EROS Data Cent	31.77	348	P	P	20 34 36.9 -0.6
H41A	Junction City	31.84	358	P	P	20 34 37.3 -0.7
Y12C	Blythe	31.84	316	P	P	20 34 40.0 +1.8
H40A	Chili	31.87	357	P	P	20 34 37.9 -0.4
BWLO	Walkerton	31.90	10	P	P	20 34 38.5 -0.1
PDMCI	Parker Dam, Lak	31.90	17	P	P	20 34 40.2 +1.5
BRCO	Bruce Peninsula	31.97	9	P	P	20 34 39.5 +0.3
H39A	Augusta	31.98	356	P	P	20 34 38.7 -0.6
U15A	North Rim	32.05	322	eP	P	20 34 42.0 +1.7
H38A	Maiden Rock	32.06	355	P	P	20 34 39.5 -0.5
N23A	Red Feather La	32.11	334	eP	P	20 34 42.1 +1.3
N23A	Red Feather La	32.11	334	P	P	20 34 42.0 +1.1
GLMI	Graying	32.17	5	eP	P	20 34 40.5 -0.4
GLMI	Graying				LR	LR
GLMI	Graying	32.17	5	P	P	20 34 40.1 -0.9
W13A	Hualapai Mount	32.21	318	eP	P	20 34 43.4 +1.7
W13A	Wesleyville	32.24	13	P	PcP	20 37 31.2 +1.7
WLVO	Wesleyville	32.24	13	P	P	20 34 41.8 +0.2
PHWY	Pilot Hill	32.25	335	eP	P	20 34 43.1 +1.0
PHWY	Sam W. Stewart	32.28	313	P	PcP	20 37 29.8 +0.2
SWSC	Sam W. Stewart	32.28	313	P	P	20 34 43.9 +1.7
IKP	In-Ko-Pah, Jac	32.35	312	P	P	20 34 44.3 +1.4
CLWO	Collingwood	32.36	11	P	P	20 34 42.8 +0.1
G41A	Antigo	32.42	359	P	P	20 34 42.2 -1.0
BC3	Big Chuckawall	32.43	315	P	P	20 34 45.0 +1.5

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G42A	Mountain	32.44	360	P	P	20 34 42.3 -1.1
G43A	Wallace	32.46	1	eP	P	20 34 42.5 -0.9
G43A	Wallace	32.46	1	P	P	20 34 42.4 -1.1
TRY	Troy	32.48	20	eP	P	20 34 45.3 +1.7
IRM	Iron Mountain	32.49	316	P	P	20 34 45.3 +1.3
G40A	Rib Lake	32.51	357	eP	P	20 34 43.1 -0.8
G40A	Rib Lake	32.51	357	P	P	20 34 43.5 -0.4
G38A	Ridgeland	32.52	355	P	P	20 34 43.1 -0.9
O20A	White River Ci	32.54	331	eP	P	20 34 46.1 +1.7
O20A	White River Ci	32.54	331	ePcP	PcP	20 37 31.2 +0.9
O20A	White River Ci	32.54	331	P	P	20 34 46.1 +1.7
QUAZ	Belchertown	32.54	22	eP	P	20 34 45.3 +1.1
G39A	Holcombe	32.58	356	P	P	20 34 43.8 -0.8
SPMN	Marine on St.	32.66	354	eP	P	20 34 44.7 -0.6
SPMN	Marine on St.	32.66	354	P	P	20 34 44.6 -0.6
MONPZ	Monument Peak	32.70	313	P	P	20 34 47.5 +1.4
PKCU	Pink Cliffs	32.74	323	eP	P	20 34 48.9 +2.5
SAML	Samuel	32.87	130	eP	P	20 34 46.9 -0.5
SAML	Samuel				LR	LR
SAML	Samuel	32.87	130	eP	pmx	20 34 46.9 -0.5
SAML	Samuel				pmx	pmx
SAML	Samuel				MLR	MLR
SADO	Sadowa	32.89	12	P	P	20 34 47.2 -0.1
SADO	Sadowa	32.89	12	P	P	20 35 00.5 0.0
SADO	Sadowa				LR	LR
SADO	Sadowa				LR	LR
SADO	Sadowa	32.89	12	P	P	20 34 46.8 -0.5
SRU	San Rafael Sev	32.91	327	eP	P	20 34 49.3 +1.5
SRU	San Rafael Sev	32.91	327	eP	pmx	20 34 49.3 +1.5
SRU	San Rafael Sev	32.91	327	P	P	20 34 46.7 -1.0
F41A	Three Lakes	32.94	359	P	P	20 34 46.8 -1.0
SUSD	Miller	32.95	346	P	P	20 34 47.4 -0.4
F42A	Maple Grove Fa	32.96	0	P	P	20 34 46.7 -1.1
F45A	CMU Biological	32.96	3	P	P	20 34 47.0 -0.8
DELO	Deloro Mine	32.99	14	P	P	20 34 48.7 +0.6
BELC	Belle Mtn. Jos	32.99	315	P	P	20 34 49.9 +1.4
LDFC	Landfair	33.00	317	eP	P	20 34 51.4 +2.9
LCMT	Little Creek M	33.01	322	eP	P	20 34 50.4 +1.9
LCMT	Little Creek M				ePcP	20 37 32.9 +1.3
LCMT	Little Creek M				PcP	20 34 49.8 +1.3
HRV	Adam Dzielowski	33.03	23	P	P	20 34 49.9 +1.4
BCX	Boston College	33.04	23	eP	P	20 34 49.9 +1.4
F43A	Flat Rock, Esc	33.04	1	P	P	20 34 47.2 -1.3
ACCN	Adirondack Comp	33.06	20	eP	P	20 34 49.8 +1.1
MTPU	Mount Pierson	33.07	324	eP	P	20 34 50.9 +1.5
MTPU	Mount Pierson				ePcP	20 37 33.6 +1.5
F46A	Macinaw City C	33.10	4	P	P	20 34 48.3 -0.7
TPFO	Pinon Flats	33.10	314	P	P	20 34 50.7 +1.3
XPFO	Pinon Flats O	33.11	314	eP	PcP	20 37 33.3 +1.4
PFO	Pinon Flats O	33.11	314	eP	LR	20 34 51.3 +1.8
PFO	Pinon Flats O				LR	LR
PFO	Pinon Flats O	33.11	314	eP	pmx	20 34 51.3 +1.8
PFO	Pinon Flats O				MLR	MLR
PFO	Pinon Flats O	33.11	314	P	P	20 34 51.0 +1.5
F37A	Hirrichs Farm,	33.13	354	P	P	20 34 48.7 -0.7
FRD	Four Ranch, An	33.15	313	P	P	20 34 51.2 -1.4
P18A	Preston Nutter	33.15	328	eP	P	20 34 51.2 +1.3
P18A	Park Falls	33.16	358	P	PcP	20 37 33.7 +1.6
F40A	Loretta	33.19	357	P	P	20 34 49.0 -0.9
GMRC	Granite Mounta	33.20	316	P	P	20 34 51.7 +1.4
F44A	Big Bay de Noc	33.20	2	P	P	20 34 49.1 -0.9
P17A	Butcher Ranch,	33.29	327	eP	P	20 34 52.2 +1.2
SZCU	Shurtz Canyon	33.30	322	eP	P	20 34 53.2 +2.0
F38A	Pierce - Schro	33.30	355	P	P	20 34 50.1 -0.7
COWI	Conover	33.31	359	eP	P	20 34 50.0 -1.0
COWI	Rawlins	33.31	334	eP	LR	20 34 53.3 +2.0
MSU	Marysville	33.39	325	eP	P	20 34 53.6 +1.6
MSU	Marysville	33.39	325	eP	PcP	20 34 53.6 +1.6
MSU	Marysville				eP	20 37 34.6
NCB	Newcomb	33.41	18	eP	P	20 34 53.0 +1.2
TMUT	Trail Mountain	33.41	327	eP	P	20 34 53.7 +1.5
TMUT	Mellen	33.43	322	eP	PcP	20 37 34.1 +1.2
CCUT	Cedar City	33.43	322	eP	P	20 34 54.3 +2.0
BUKO	Buck Lake	33.49	11	P	P	20 34 52.3 -0.1
E43A	Lone Tree Farm	33.59	2	eP	P	20 34 52.4 -0.9
E43A	Lone Tree Farm	33.59	2	P	P	20 34 52.5 -0.8
PLVO	Plevna	33.61	14	eP	P	20 34 53.9 +0.4
E42A	Champion	33.63	0	P	P	20 34 52.9 -0.8
E39A	Mellen	33.63	357	P	P	20 34 53.2 -0.5
E45A	Wooded Hills,	33.65	4	P	P	20 34 54.0 +0.1
E41A	Kenton	33.67	359	P		

2120h

Table with columns: ID, Name, Value, Unit, Status, Direction, Date, Time, etc. Includes entries like Isabella Lake, Lac Fusel, CWC Cottonwood Cre, etc.

2012 OCT

Table with columns: BOZ, Name, Value, Unit, Status, Direction, Date, Time, etc. Includes entries like Bozeman (W), IROC Station P, etc.

1010

Table with columns: LCO, Name, Value, Unit, Status, Direction, Date, Time, etc. Includes entries like Schefferville, Aurore, etc.

1011

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like HARP HAARP, DOT Dot Lake, SCRC Sand Creek, etc.

2012 OCT

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like BGF BGF, BAIF Baives, TIC Toumodi, etc.

21d 20h

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like FINES, OKC Ostrava-Krasno, SEY Sevmechan, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMAR, CM01, NWAO, NWAO, NWAO, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like surface waves, cutoff=50s, LCNLD, LCNLD, LCNLD, etc.

1013

958A	Wauchula	16.07 21 P	P	20 48 02.0 +1.7
LNIG	Linares	16.13 321 ePn	P	20 47 59.9 -1.0
PAMC	Pampiona, Colo	16.23 1071eP	Pn	20 48 01.1 +0.8
857A	Zephyrhills	16.54 19 P	P	20 48 06.9 +1.5
FLOC	Florence	16.66 130 eP	P	20 48 08.4 +1.5
859A	Kempfer Cattle	16.82 23 P	P	20 48 10.3 +1.7
757A	Oxford	17.22 19 P	P	20 48 15.4 +2.4
YOPC	Yopal	17.26 113 eP	Pn	20 48 12.4 -0.4
655A	Horseshoe Beach	17.42 15 P	P	20 48 18.7 +3.5
656A	Williston	17.48 17 P	P	20 48 19.1 +3.3
758A	Lake Helen	17.53 21 P	P	20 48 20.0 +3.6
552A	Lynn Haven	17.62 9 P	P	20 48 22.0 +4.6
SDV	Santo Domingo	17.74 100 P	P	20 48 16.2 -2.7
553A	Crawfordville	17.82 11 P	P	20 48 25.3 +5.7
451A	Vernon	18.04 7 P	Pn	20 48 25.2 +3.1
447A	Lucedale	18.07 359 eP	Pn	20 48 25.6 +3.1
447A	Lucedale	18.07 359 P	Pn	20 48 26.1 +3.7
555A	McAlpin	18.08 15 P	Pn	20 48 25.9 +3.3
446A	Poplarville	18.09 357 P	Pn	20 48 26.8 +4.1
556A	Lake Butler	18.11 17 P	Pn	20 48 26.5 +3.4
557A	Orange Park	18.32 18 P	Pn	20 48 28.7 +3.1
452A	Marianna	18.34 9 P	Pn	20 48 29.1 +3.3
442A	Mamou	18.38 349 P	Pn	20 48 32.3 +6.0
BRAL	Brewton	18.47 3 P	Pn	20 48 30.1 +2.7
453A	Whigham	18.49 11 P	Pn	20 48 31.2 +3.6
441A	DeRidder	18.58 347 P	Pn	20 48 32.7 +4.0
HKT	Hockley	18.59 339 eP	Pn	20 48 31.1 +2.4
HKT	Hockley	18.59 339 eSn	Sn	20 51 54.9 -0.9
HKT	Hockley	18.59 339 e	Pn	20 48 31.2 +2.4
HKT	Hockley	18.59 339 e	Pn	20 51 54.9
349A	Repton	18.64 3 P	Pn	20 48 32.1 +2.7
455A	Stateville	18.66 14 P	Pn	20 48 32.0 +2.4
347A	Saraland	18.67 359 P	Pn	20 48 31.8 +2.1
348A	Jackson	18.68 1 P	Pn	20 48 32.3 +2.4
346A	Big Creek Wild	18.68 357 eP	Pn	20 48 29.6 -0.4
346A	Big Creek Wild	18.68 357 P	Pn	20 48 32.9 +2.9
361A	Pinckard	18.70 7 P	Pn	20 48 32.4 +2.2
833A	Chaparral WMA	18.73 328 eP	Pn	20 48 31.1 +0.5
833A	Chaparral WMA	18.73 328 P	Pn	20 48 31.1 +0.5
350A	Dozier	18.77 5 P	Pn	20 48 32.9 +1.9
344A	Westbrook Farm	18.85 354 eP	Pn	20 48 35.1 +3.2
344A	Westbrook Farm	18.85 354 P	Pn	20 48 34.7 +2.7
456A	Hilliard	18.90 17 eP	Pn	20 48 34.9 +2.3
456A	Hilliard	18.90 17 P	Pn	20 48 34.3 +1.7
457A	Yulee	18.94 18 P	Pn	20 48 35.5 +2.5
354A	Camilla	18.99 11 P	Pn	20 48 35.7 +2.1
352A	Blakely	19.00 9 eP	Pn	20 48 35.4 +1.7
352A	Blakely	19.00 9 P	Pn	20 48 35.9 +2.2
342A	Flagon Creek P	19.01 349 P	Pn	20 48 36.3 +2.4
341A	Kurthwood	19.14 347 eP	Pn	20 48 37.2 +1.9
341A	Kurthwood	19.14 347 P	Pn	20 48 36.9 +1.6
TIGA	Tifton	19.20 12 P	Pn	20 48 37.6 +1.4
249A	Camden	19.27 3 P	Pn	20 48 38.3 +1.4
246A	Jackson Lee, B	19.29 358 P	Pn	20 48 38.6 +1.4
247A	Quitman	19.32 359 P	Pn	20 48 38.8 +1.3
250A	Grady	19.33 5 P	Pn	20 48 38.7 +1.0
245A	Little AP, Sta	19.35 356 P	Pn	20 48 39.3 +1.4
248A	Dixon Mills	19.36 1 P	Pn	20 48 39.4 +1.3
244A	Avery, Jackson	19.43 354 P	Pn	20 48 40.6 +1.7
356A	Blackshear	19.44 16 P	Pn	20 48 40.6 +1.7
252A	Lumpkin	19.54 9 P	Pn	20 48 41.3 +1.1
251A	Midway	19.54 7 P	Pn	20 48 41.2 +1.1
VBMS	Vicksburg	19.59 354 P	Pn	20 48 42.2 +1.5
242A	Grayson	19.65 350 P	Pn	20 48 42.8 +1.4
253A	Americus	19.70 11 eP	Pn	20 48 43.1 +1.0
253A	Americus	19.70 11 P	Pn	20 48 42.6 +0.6
241A	Mo Tay, Golden	19.75 348 P	Pn	20 48 43.9 +1.2
254A	Abbeville	19.75 13 P	Pn	20 48 43.2 +0.6
149A	Jones	19.91 4 P	Pn	20 48 44.9 +0.4
NATX	Nacogdoches	19.91 344 eP	Pn	20 48 44.7 +0.2
NATX	Nacogdoches	19.91 344 P	Pn	20 48 44.6 +0.1
146A	Union	19.91 358 eP	Pn	20 48 44.9 +0.3
146A	Union	19.91 358 P	Pn	20 48 45.1 +0.5
148A	Greensboro	19.92 2 P	Pn	20 48 45.1 +0.4
255A	Hazlehurst	19.92 15 P	Pn	20 48 45.0 +0.4
145A	Houston Renfro	19.92 356 P	Pn	20 48 45.5 +0.8
147A	Livingston	19.93 0 eP	Pn	20 48 45.5 +0.6
147A	Livingston	19.93 0 P	Pn	20 48 45.4 +0.6
240A	Hunter Patters	19.95 346 P	Pn	20 48 45.3 +0.4
151A	Opelika	19.97 7 P	Pn	20 48 46.0 +0.7
150A	Eclectic	19.98 6 P	Pn	20 48 46.1 +0.8
435B	Jarrell	19.99 336 eP	P	20 48 44.4 +1.0
435B	Jarrell	19.99 336 P	P	20 48 44.4 +1.0
142A	Monroe	20.09 351 P	Pn	20 48 47.1 +0.5
256A	Glennville	20.12 16 P	Pn	20 48 47.6 +0.6
152A	Waverly Hall	20.20 9 P	Pn	20 48 48.2 +0.3

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141A	Papa Simpson,	20.31 349 P	Pn	20 48 49.5 +0.2
153A	Fort Valley	20.33 11 P	Pn	20 48 49.2 -0.2
LRAL	Lakeview Retre	20.33 3 eP	Pn	20 48 49.7 +0.2
LRAL	Lakeview Retre	20.33 3 P	Pn	20 48 49.4 -0.1
154A	Montrose	20.43 13 eP	Pn	20 48 50.8 +0.1
154A	Montrose	20.43 13 P	Pn	20 48 50.6 -0.2
Z47A	Carleton	20.46 1 P	Pn	20 48 50.6 -0.4
Z46A	Louisville	20.46 358 P	Pn	20 48 51.3 +0.2
140A	Carn and Jess,	20.48 347 P	Pn	20 48 51.7 +0.4
Z49A	Columbiana	20.52 4 P	Pn	20 48 51.5 -0.2
155A	Kite	20.59 14 P	Pn	20 48 52.4 -0.2
Z50A	Ashland	20.63 6 eP	Pn	20 48 52.5 -0.5
Z50A	Ashland	20.63 6 P	Pn	20 48 52.4 -0.6
Z44A	Pea Ridge, Bel	20.63 355 P	Pn	20 48 52.9 -0.2
Z48A	Northport	20.65 2 P	Pn	20 48 52.4 -0.8
JCT	Junction City	20.70 331 eP	P	20 48 52.2 +1.1
JCT	Junction City	20.70 331 eP	Pmax	20 48 52.2 +1.1
JCT	Junction City	20.70 331 P	Pmax	20 48 52.0 +0.8
Z52A	Williamson	20.75 9 P	Pn	20 48 53.9 -0.6
156A	Sylar	20.87 16 P	P	20 48 54.3 +1.5
Z41A	Richland Creek	20.93 349 P	Pn	20 48 55.5 -1.0
Z53A	Monticello	20.99 11 P	Pn	20 48 56.3 -1.0
WHTX	Lake Whitney,	21.02 338 eP	P	20 48 56.0 +1.6
WHTX	Lake Whitney,	21.02 338 P	P	20 48 56.4 +1.9
Z40A	Long Farm, Mag	21.04 348 P	P	20 48 58.0 +3.3
Z9A	Sparta	21.09 13 P	P	20 48 57.1 +1.9
GOGA	Godfrey	21.14 11 eP	P	20 48 57.8 +2.1
GOGA	Godfrey	21.14 11 eP	Pmax	20 48 57.8 +2.1
GOGA	Godfrey	21.14 11 P	Pmax	20 48 57.8 +2.1
Y46A	Houston	21.15 359 P	P	20 48 57.7 +1.9
Y45A	Long Farm, C	21.15 357 P	P	20 48 58.2 +2.2
Y47A	UCPARC, Winif	21.16 1 P	P	20 48 57.8 +1.8
Y49A	Blount Mountain	21.18 4 eP	P	20 48 58.2 +1.9
Y49A	Blount Mountain	21.18 4 P	P	20 48 58.0 +1.7
Y48A	Jasper	21.20 3 P	P	20 48 58.0 +1.7
Z55A	Blythe	21.24 14 P	P	20 48 59.3 +2.5
Y50A	Piedmont	21.28 6 P	P	20 48 58.9 +1.6
Y42A	Garnett, Star	21.33 352 P	P	20 48 60.0 +2.1
Y51A	Rockmart	21.36 7 P	P	20 49 00.1 +2.0
Y52A	Liburn	21.47 10 eP	P	20 49 01.4 +2.0
Y52A	Liburn	21.47 10 P	P	20 49 01.3 +2.0
Y41A	Eaglebeard	21.50 350 P	P	20 49 02.2 +2.5
Y53A	Monroe	21.55 11 P	P	20 49 02.0 +1.9
HPIG	comp=Z,30nm,0.7s	21.62 314 eP	P	20 49 03.2 +1.9
NHSC	New Hope	21.68 19 eP	P	20 49 02.5 +1.0
X45A	UM Field Stati	21.70 358 P	P	20 49 03.1 +1.3
Y54A	Tignall	21.73 13 P	P	20 49 04.0 +2.0
X48A	Hartselle	21.74 3 P	P	20 49 03.2 +1.1
Y40A	Okona	21.75 349 P	P	20 49 04.3 +2.0
X47A	Russellville	21.78 1 P	P	20 49 03.6 +1.0
OXF	Oxford	21.79 358 eP	P	20 49 03.8 +1.1
OXF	Oxford	21.79 358 P	P	20 49 03.7 +0.9
X46A	Booneville	21.81 359 P	P	20 49 04.2 +1.2
X49A	Woodville	21.84 4 P	P	20 49 04.5 +1.2
X50B	Fort Payne	21.85 6 P	P	20 49 04.6 +1.2
TXAR	Lajitas Array	21.91 322 P	P	20 49 05.5 +1.4
TXAR	comp=Z,4.5nm,0.9s,baz=141,slow=7.8	PcP	PcP	20 53 03.1 +1.2
TXAR	comp=Z,4.5nm,0.9s,baz=141,slow=4.3,SNR=7.1	ppCP	ppCP	20 53 18.6
TXAR	comp=Z,0.5nm,0.6s,baz=151,slow=5.8,SNR=4.0	ScP	ScP	20 56 36.1 +1.4
TX31	Lajitas Ar, Si	21.91 322 eP	P	20 49 05.7 +1.5
SJG	San Juan	22.02 73 P	P	20 49 03.2 -2.2
SJG	comp=Z,13nm,0.8s,baz=320,slow=5.2,SNR=4.1	PcP	PcP	20 53 02.9 +0.8
X51A	Galun	22.04 8 P	P	20 49 06.8 +1.4
X41A	Kaden, Bauxite	22.09 351 P	P	20 49 08.0 +2.1
X40A	Basin Creek Fa	22.13 350 P	P	20 49 09.0 +2.6
HODGE	Hodges	22.18 13 eP	P	20 49 09.0 +2.1
X52A	Dalhousie	22.22 10 P	P	20 49 08.8 +1.4
X53A	Eatonlee	22.23 11 P	P	20 49 08.6 +1.3
PLAL	Pickwick Lake	22.24 0 eP	P	20 49 08.3 +0.7
HUMP	Col San Antoni	22.30 73 eP	P	20 49 08.1 -0.4
MIAR	Mount Ida	22.32 348 eP	P	20 49 09.8 +1.3
MIAR	Mount Ida	22.32 348 eP	Pmax	20 49 09.8 +1.3
MIAR	Mount Ida	22.32 348 P	P	20 49 09.5 +1.0
U46R	University of	22.34 351 eP	P	20 49 10.1 +1.5
W46A	Michie	22.39 360 P	P	20 49 09.6 +0.5
X39A	Fourteen Ranch	22.40 347 P	P	20 49 10.1 +0.8
W45A	Hickory Valley	22.43 358 P	P	20 49 10.3 +0.7
W48A	Pulaski	22.43 3 P	P	20 49 10.4 +0.8
ABTX	Abilene, Hawle	22.44 334 eP	P	20 49 09.0 +0.0
ABTX	Abilene, Hawle	22.44 334 P	P	20 49 10.0 +0.2
W49A	Belvidere	22.45 4 P	P	20 49 10.7 +0.8
JSC	Jenkinsville	22.47 15 eP	P	20 49 11.9 +1.9
JSC	Jenkinsville	22.47 15 eP	P	20 49 11.9 +1.9

21d 20h

JSC	comp=Z,75nm,0.7s	22.52 1 P	Pmax	Pmax	20 49 10.9 +0.4
W47A	Westpoint	22.52 5 eP	P	P	20 49 11.8 +0.6
SWET	Seawane	22.57 73 eP	P	P	20 49 11.3 -0.1
MTP	Monte Pirata	22.62 6 eP	P	P	20 49 12.2 +0.6
W50A	Signal Mountai	22.62 6 P	P	P	20 49 12.2 +0.6
W50A	Signal Mountai	22.62 6 P	P	P	20 49 13.1 +1.2
W51A	Cleveland	22.64 8 P	P	P	20 49 13.7 +1.3
W52A	Murphy	22.70 9 P	P	P	20 49 13.7 +1.1
W41B	Gary Mavity, V	22.71 352 eP	P	P	20 49 13.6 +0.9
W41B	Gary Mavity, V	22.71 352 P	P	P	20 49 15.2 +2.0
BG3	Lake Jocassee	22.77 34			

H40A	Chili	31.92 357	P	P	20 50 35.4 -0.3
H39A	Augusta	32.03 356	P	P	20 50 36.0 -0.6
U15A	North Rim	32.03 322	eP	P	20 50 39.4 +2.2
H38A	Maiden Rock	32.10 355	P	P	20 50 36.3 -1.0
N23A	Red Feather La	32.12 334	eP	P	20 50 39.0 +1.2
N23A	Red Feather La	32.12 334	eP	P	20 50 39.0 +1.2
W13A	Hualapai Mount	32.19 318	eP	P	20 50 40.7 +2.2
WLVO	Wesleyville	32.23 13	P	P	20 50 38.8 -0.3
BC3	Big Chuckawall	32.40 315	P	P	20 50 41.8 +1.6
CLWO	Collingwood	32.42 11	P	P	20 50 39.9 -0.2
G41A	Antigo	32.46 359	P	P	20 50 39.2 -1.3
IRM	Iron Mountain	32.47 316	P	P	20 50 42.1 +1.3
G42A	Mountain	32.48 360	P	P	20 50 39.3 -1.3
G43A	Wallace	32.51 1	eP	P	20 50 39.5 -1.3
G43A	Wallace	32.51 1	eP	P	20 50 39.3 -1.5
O20A	White River Cr	32.54 331	eP	P	20 50 43.0 +1.5
O20A	White River Cr	32.54 331	eP	P	20 50 42.9 +1.5
G40A	Rib Lake	32.55 357	P	P	20 50 40.3 -1.0
G38A	Ridgeland	32.55 355	P	P	20 50 40.1 -1.2
G39A	Holcombe	32.62 356	P	P	20 50 40.8 -1.1
MONP2	Monument Peak	32.67 313	P	P	20 50 44.5 +1.7
SPMN	Marine on St.	32.70 354	eP	P	20 50 41.7 -0.8
SPMN	Marine on St.	32.70 354	eP	P	20 50 41.6 -0.9
SAML	Samuel	32.90 129	eP	P	20 50 44.3 -0.4
SAML	Samuel	32.90 129	eP	P	20 50 44.3 -0.4
SRU	San Rafael Swe	32.91 327	eP	P	20 50 46.1 +1.5
SRU	San Rafael Swe	32.91 327	eP	P	20 50 46.1 +1.5
SADO	Sadovaw	32.96 12	eP	P	20 50 44.7 -1.1
SADO	Sadovaw	32.96 12	eP	P	20 50 44.5 -0.3
BELC	Belle Mtn. Jos	32.97 315	P	P	20 50 46.9 +1.7
SUSD	Miller	32.98 346	P	P	20 50 44.3 -0.8
F41A	Three Lakes	32.99 359	P	P	20 50 43.5 -1.6
MTPU	Mount Pierson	33.06 324	eP	P	20 50 48.2 +2.0
F43A	Flat Rock, Esc	33.02 1	P	P	20 50 44.2 -1.7
GMRC	Granite Mounta	33.18 316	P	P	20 50 48.7 +1.7
F40A	Park Falls	33.20 358	P	P	20 50 45.7 -1.2
F39A	Loretta	33.23 357	P	P	20 50 45.9 -1.3
F44A	Big Bay de Noc	33.26 2	P	P	20 50 46.0 -1.3
P17A	Butcher Ranch,	33.28 327	eP	P	20 50 49.3 +1.4
RWWY	Rawlins	33.31 334	eP	P	20 50 50.2 +1.9
F38A	Pierce - Schro	33.34 355	P	P	20 50 47.1 -1.0
COWI	Conover	33.35 359	P	P	20 50 47.0 -1.2
MSU	Marysvalle	33.38 325	eP	P	20 50 50.8 +1.9
MSU	Marysvalle	33.38 325	eP	P	20 50 50.8 +1.9
E43A	Lone Tree Farm	33.64 2	P	P	20 50 49.8 -0.9
E43A	Lone Tree Farm	33.64 2	P	P	20 50 49.3 -1.4
E42A	Champion	33.67 0	P	P	20 50 49.9 -1.2
E39A	Mellera	33.68 357	P	P	20 50 50.2 -0.9
E41A	Kenton	33.71 359	P	P	20 50 49.7 -1.6
E40A	Wakarusa	33.72 358	P	P	20 50 50.4 -1.0
K22A	Casper	33.82 335	P	P	20 50 53.5 +0.9
E44A	Grand Marais A	33.92 3	P	P	20 50 52.7 -0.4
LONY	Lake Ozonia	33.96 18	P	P	20 50 53.5 0.0
E38A	The Farm, Brul	33.96 356	P	P	20 50 52.4 -1.2
MPU	Maple Canyon	34.15 327	eP	P	20 50 57.1 +1.5
RSSD	Black Hills	34.16 340	eP	P	20 50 56.8 +1.3
RSSD	Black Hills	34.16 340	eP	P	20 50 56.8 +1.3
RSSD	Black Hills	34.16 340	eP	P	20 50 56.6 +1.1
D41A	Chassel	34.30 360	eP	P	20 50 55.6 -0.8
D41A	Chassel	34.30 360	eP	P	20 50 55.3 -1.2
ALGO	Algonqu Park	34.32 13	P	P	20 50 56.0 -0.6
PSUT	Pine Spring	34.36 323	eP	P	20 50 59.4 +2.0
JLU	Jordanes	34.48 328	eP	P	20 50 59.9 +1.5
E53A	DuMoine, Ponti	34.48 13	P	P	20 51 00.0 -0.8
TPNV	Topopah Spring	34.83 319	P	P	20 51 01.6 +0.2
EDW2	Edwards Air Fo	34.83 314	P	P	20 51 02.8 +1.5
TCUT	Toone Canyon	34.84 329	eP	P	20 51 03.2 +1.7
DUG	Dugway, Tooele	34.91 326	eP	P	20 51 03.7 +1.7
DUG	Dugway, Tooele	34.91 326	eP	P	20 51 03.7 +1.7
DUG	Dugway, Tooele	34.91 326	eP	P	20 51 03.2 +1.2
FURC	Furnace Creek,	34.95 318	P	P	20 51 04.3 +2.2
E54A	Lac Daplat, Po	34.96 13	P	P	20 51 01.4 -0.8
LPZA	La Paz	34.98 145	P	P	20 51 04.3 +0.9
MPMC	Mannual Prospec	35.13 317	P	P	20 51 05.2 +1.2
C40A	Isle Royale Na	35.17 359	eP	P	20 51 03.0 -0.9
C40A	Isle Royale Na	35.17 359	eP	P	20 51 02.5 -1.4
PD31	Pinedale Array	35.22 332	eP	P	20 51 05.5 +0.7
PD32	Pinedale Array	35.22 332	eP	P	20 51 05.1 +0.4
PDAR	Pinedale Array	35.22 332	eP	P	20 53 34.5 -0.3
BW06	Boulder Array	35.22 332	eP	P	20 51 05.0 +0.3
BW06	Boulder Array	35.22 332	eP	P	20 51 05.1 +0.3
R11A	Troy Canyon, C	35.27 321	P	P	20 51 07.3 +2.1
R11A	Troy Canyon, C	35.27 321	P	P	20 51 06.5 +1.3

HWUT	Hardware Ranch	35.28 329	eP	P	20 51 06.5 +1.2
EYMN	Ely	35.29 356	eP	P	20 51 03.1 -1.9
EYMN	Ely	35.29 356	eP	P	20 51 03.4 -1.6
D53A	Lac Vavie, Po	35.46 13	P	P	20 51 06.2 -0.3
SPUT	South Promonto	35.52 328	eP	P	20 51 08.8 +1.6
ARVC	Arvin	35.54 314	P	P	20 51 09.1 +1.8
BGU	Big Grassy Moun	35.55 327	eP	P	20 51 09.0 +1.5
GRAC	Grapevine Rang	35.58 318	P	P	20 51 10.1 +2.4
D54A	Lac Fusel, La	35.76 14	P	P	20 51 08.5 -0.5
AHID	Auburn Hatcher	35.93 331	eP	P	20 51 11.9 +1.1
HVU	Hansel Valley	36.02 328	eP	P	20 51 12.8 +1.2
HVU	Hansel Valley	36.02 328	eP	P	20 51 12.8 +1.2
YES	Vestal, Richgr	36.09 315	P	P	20 51 13.7 +1.7
AGMN	Agassiz Nation	36.10 351	eP	P	20 51 11.2 -0.7
AGMN	Agassiz Nation	36.10 351	eP	P	20 51 11.2 -0.7
REDW	Red Top Meadow	36.27 332	eP	P	20 51 14.9 +1.2
SNOW	Snow King Moun	36.31 332	eP	P	20 51 15.5 +1.4
PKME	Peaks-Kenny Pk	36.31 23	P	P	20 51 14.6 +0.8
MDND	Maddock	36.35 347	P	P	20 51 14.3 +0.3
LOHW	Long Hollow	36.35 332	eP	P	20 51 15.5 +1.0
TPW	Teton Pass	36.42 332	eP	P	20 51 16.1 +1.0
SMMC	Simmler	36.46 314	P	P	20 51 17.5 +2.2
MOOW	Moose Ponds	36.52 332	eP	P	20 51 16.7 +0.8
MNMC	Minnye Minnye	36.56 149	eP	P	20 51 18.7 +2.3
FXWY	Fox Creek	36.57 332	eP	P	20 51 17.1 +0.8
IMW	Indian Meadow	36.73 332	eP	P	20 51 18.0 +0.3
FLWY	Flagg Ranch	36.76 333	eP	P	20 51 19.2 +1.2
PAGB	Antelope Grade	36.85 314	eP	P	20 51 21.1 +2.6
NV11	Minna Array Sit	36.92 319	eP	P	20 51 21.5 +2.2
H17A	Grant Village	36.95 333	eP	P	20 51 21.4 +1.8
H17A	Grant Village	36.95 333	eP	P	20 51 20.9 +1.3
YPP	Pitchstone Pla	36.96 333	eP	P	20 51 21.7 +2.0
RLMT	Red Lodge	36.98 335	eP	P	20 51 20.5 +0.7
RLMT	Red Lodge	36.98 335	eP	P	20 51 20.4 +0.7
NV01	Minna Array Sit	37.02 319	eP	P	20 51 21.6 +1.4
NVAR	Minna Array Bea	37.02 319	eP	P	20 51 21.9 +1.7
NVAR	Minna Array Bea	37.02 319	eP	P	20 53 41.8 +1.6
NVAR	Minna Array Bea	37.02 319	eP	P	20 53 57.0
NVAR	Minna Array Bea	37.02 319	eP	P	20 57 24.6 +1.8
NVAR	Minna Array Bea	37.02 319	eP	P	21 07 48.1
LAO	LASA Array	37.15 339	eP	P	20 51 21.8 +0.8
LAO	LASA Array	37.15 339	eP	P	20 51 21.4 +0.5
KVN	Kaiserville	37.26 320	eP	P	20 51 23.9 +1.7
KVN	Kaiserville	37.26 320	eP	P	20 51 23.9 +1.7
RYN	Ryan	37.27 319	eP	P	20 51 24.2 +1.9
YMR	Madison River	37.34 333	eP	P	20 51 24.9 +2.1
YHH	Holmes Hill	37.39 333	eP	P	20 51 24.9 +1.6
YHH	Holmes Hill	37.39 333	eP	P	20 51 26.1 +1.9
QLMT	Earthquake Lak	37.67 333	eP	P	20 51 27.5 +1.9
GCMT	Greycliff	37.69 335	eP	P	20 51 26.2 +0.6
WAKR	Walker	37.79 319	eP	P	20 51 29.4 +2.7
ULM	Lac du Bonnet	38.01 352	P	P	20 51 26.8 -1.2
ULM	Lac du Bonnet	38.01 352	P	P	20 53 41.8 -0.9
ULM	Lac du Bonnet	38.01 352	P	P	21 09 44.9
ULM	Lac du Bonnet	38.01 352	P	P	20 51 26.9 -1.2
ULM	Lac du Bonnet	38.01 352	P	P	20 53 41.8 -0.9
ULM	Lac du Bonnet	38.01 352	P	P	20 53 41.8
DMGT	Dagmar	38.09 343	eP	P	20 51 29.7 +0.8
DMGT	Dagmar	38.09 343	eP	P	20 51 29.3 +0.5
HLID	Hailey	38.15 329	eP	P	20 51 30.6 +1.0
HLID	Hailey	38.15 329	eP	P	20 51 30.4 +0.8
PNTR	Pine Nut	38.23 319	eP	P	20 51 32.8 +2.4
MCMT	McKenzie Canyo	38.32 332	eP	P	20 51 33.1 +2.0
BOZ	Bozeman (W)	38.36 333	eP	P	20 51 32.7 +1.4
BOZ	Bozeman (W)	38.36 333	eP	P	20 51 32.7 +1.4
BOZ	Bozeman (W)	38.36 333	eP	P	20 51 32.5 +1.2
PAHR	Pat Rah Range	38.45 320	eP	P	20 51 34.6 +2.5
DLMT	Dillon	38.61 332	eP	P	20 51 34.8 +1.4
LMN	Caledonia Moun	38.62 26	eP	P	20 51 33.8 +0.4
LCCM	Lewis and Clar	38.66 333	eP	P	20 51 35.2 +1.3
LRM	Limekiln Ridge	38.90 333	eP	P	20 51 37.0 +1.0
BEKR	Beckwith	39.15 320	eP	P	20 51 39.9 +1.9
BATG	Bathurst New B	39.24 24	eP	P	20 51 39.0 +0.6
HRY	Holter Researc	39.32 334	eP	P	20 51 40.3 +1.0
EGMT	Eagleton	39.55 337	eP	P	20 51 42.0 +0.8
EGMT	Eagleton	39.55 337	eP	P	20 51 41.9 +0.8
WVOR	Wild Horse Val	39.66 324	eP	P	20 51 43.2 +1.0
WVOR	Wild Horse Val	39.66 324	eP	P	20 51 43.2 +1.0
ORV	Oroville	39.71 318	eP	P	20 51 44.4 +1.9
ORV	Oroville	39.71 318	eP	P	20 51 44.4 +1.9
ORV	Oroville	39.71 318	eP	P	20 51 44.4 +1.9
J08A	Circle Bar Ran	40.16 325	eP	P	20 51 47.2 +0.9
MOD	Middle Plateau	40.19 322	eP	P	20 51 48.1 +0.5
MSO	Missoula	40.33 333	eP	P	20 51 48.3 +0.6
MSO	Missoula	40.33 333	eP	P	20 51 48.2 +0.6
BMO	Blue Mountains	40.53 328	eP	P	20 51 49.1 -0.2

BMO	Blue Mountains	40.53 328	eP	P	20 51 49.1 -0.2
M04C	Maclean	41.17 321	P	P	20 51 54.9 +0.3
JTMT	Jette	41.18 333	eP	P	20 51 55.5 +0.8
I07A	Izee	41.18 325	eP	P	20 51 55.6 +0.8
YBH	Yreka Blue Hor	41.62 320	LR	LR	21 11 07.7
G08A	Pilot Rock	41.70 327	eP	P	20 51 58.0 -1.0
L04D	Klamath Falls	41.70 321	P	P	20 51 59.1 0.0
PINE	Pine Mountain	41.83 324	eP	P	20 52 00.5 +0.4
WALA	Waterton Lakes	41.82 335	eP	P	20 52 02.4 +0.8
E08A	Dider Farm, El	42.55 328	eP	P	20 52 06.6 +0.9
I04A	Tendick Farm,	42.68 323	P	P	20 52 07.0 +0.1
HAWA	Hanford	42.73 328	eP	P	20 52 07.3 +0.1
NEW	Newport	42.85 332	eP	P	20 52 08.3 +0.1
NEW	Newport	42.85 332	eP	P	20 52 08.3 +0.1
NEW	Newport	42.85 332	eP	P	20 52 08.0 -0.2
G05D	Wamic, OR	42.94 326	P	P	20 52 10.1 +1.1
E07A	Sunnyside	43.00 328	eP	P	20 52 10.1 +0.7
H04A	Detroit Lake	43.08 324	eP	P	20 52 09.3 -0.8
I03D	Drain, OR	43.18 322	P	P	20 52 11.7 +0.9
J01E	Myrtle Point	43.22 321	P	P	20 52 12.0 +0.8
H04D	Lebanon	43.30 324	P	P	20 52 12.1 +0.3
FFC	Flin Flon	43.34 348	eP	P	20 52 11.9 0.0

21d 20h

Table with columns for station name, time, and other details. Includes stations like KDak Kodiak Island, RND Reindeer, CCB Clear Creek, etc.

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Table with columns for station name, time, and other details. Includes stations like ASAR comp=Z,1.1nm,0.6s, etc.

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Table with columns for station name, time, and other details. Includes stations like WRA Warramunga Arr, WRA WRA, KOLN Koldana, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KBK Karagaybulak, CHMS Chumysh, USP Osenovka, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, URZ Urewera, STKA Stephens Creek, etc.

SJA 21 21:04:35.8:0.7, 32.17S:71.95W, h40km, 234km, ML2.7, MW3.2

GUC 21 21:04:39.2:0.5, 32.60S:71.31W, h40km, 3km, ML2.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ROCH El Roble, PEL Peldehue, CLCH Cerro Calan, etc.

DJA 21 21:04:42.5:0.4, 3.3S:14.12E, h38km, 26km, M3.6/7, mb3.9/1, MLv3.5/7, Seram

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like AAI Ambon, SANI Sanana, SWI Sorong, FAKI Fak Fak.

IDC 21 21:06:04.1:5.6, 16.84S:172.79W, h0km, mb3.9/2, mb1.4/3, mb1mx3.6/48, mbtmp4.1/3, ML4.5/1, Error

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like AFI Afiamalu, WRA Warramunga Arr, ASAR Alice Springs, etc.

RSNC 21 21:09:19.1:1.2, 6.50N:72.49W, h7km, 7km, ML3.3, Mw3.7, 1C-2D, Northern Colombia

ISCJJB 21 21:11:41.2:0.6, 13.65S:0.07, 166.56E:0.08, h39km, mb4.4/22, Error ellipse: s-maj=11.6km s-min=8.8km

NEIC 21 21:11:43.9:1.7, 13.66S:166.66E, h50km, 14km, mb4.5/14, Error ellipse: s-maj=12.7km s-min=11.1km az=102.0

IDC 21 21:11:43.7:3.1, 13.66S:166.62E, h47km, 26km, mb3.8/11, mb1.4/13, mb1mx3.8/46, mbtmp4.2/13, ML4.6/2, Error

ISC 21 21:11:42.7:0.6, 13.55S:0.07, 166.59E:0.09, h39km, n44, az=45.0, mb4.2/22, Vanuatu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, EIDS Eidsvold, CTA Charters Tower, etc.

IGIL 21 21:38:31.6, 39.59N:13.05W, h40km, ML2.4

ellipse: s-maj=16.7km s-min=12.1km az=96.0, PRXIMO INMG 21 21:38:33.8:1.3, 39.48N:13.25W, h10km, ML2.2, Error

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

22d Oh

Table with columns: Code, Station Name, A, AZ, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like Dobruska-Polom, Ostrava-Krasne, ARCES Array S, etc.

IDC 22.00:06:35.2:12.0, 17.40S:173.67W, h0km, mb3.5/3, mb1 3.8/3, mb1mx3.5/29, mbtmp3.5/3, MS3.2/1, Ms1 3.2/1, ms1mx2.7/15, 1C, Error ellipse: s-maj=555.4km s-min=40.2km az=142.0, Tonga Islands

Table with columns: Code, Station Name, A, AZ, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like Mont Dzumac, Paea, Papeete, etc.

ISCJB 22.00:32:05.0:0.3, 16.52S:0.06:174.80W:0.07, h10km, mb4.8/45, MS4.0/24, Error ellipse: s-maj=10.8km s-min=6.6km az=40.1

IDC 22.00:32:04.0:5.0, 7.16:48S:174.74W, h0km, mb4.1/9, mb1 4.4/9, mb1mx4.2/31, mbtmp4.1/9, MS4.0/27, Ms1 4.0/27, ms1mx3.9/38, Error ellipse: s-maj=35.0km s-min=18.5km az=137.0

BUI 22.00:32:08.7, 16.39S:174.64W, h31km, mb5.1/19, mb5.3/10, MS4.8/1, Ms7.4/5.1

NEIC 22.00:32:09.7:2.1, 16.50S:174.76W, h31km, 14km, mb4.8/24, Error ellipse: s-maj=9.5km s-min=5.0km az=132.0

GCMT 22.00:32:10.7:0.3, 16.56S:0.03:174.45W:0.02, h12km, MW4.8/74, Moment Tensor: s23,c27; s74,c96; Duration: 0 Moment tensor: Scale 10^19Nm; Mr: 1.92e+08; Mo: 0.03e+09; Mw: 1.89e+06; Mo: 0.52e+36; Mw: 0.11e+07; Mr: 1.06e+21; Best double couple: Mo: 2.4300e+10; NP1: 0.165e+00000; 0.61e+00000; -1.01e+00000; NP2: 0.7e+00000; 0.31e+00000; -0.71e+00000; Principal axes: T 2.192e, P1g1.00000; Azm263.0000; N 0.101e, P1g10.0000; Azm171.0000; P -2.294e, P1g2.0000; Azm49.0000; nsta:1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 22.00:32:06.0:0.4, 16.36S:0.09:174.63W:0.10, h10km, n153, 0.124/120, mb4.9/45, MS4.0/24, 4C-2D, Tonga Islands

Table with columns: Code, Station Name, A, AZ, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like Afiamalu, Raoul Island, Kantoni, etc.

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Table with columns: Code, Station Name, A, AZ, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like ASAR, GUMO, FORT, FITZ, FITZ, BATS, VNDA, VNDA, VNDA, VNDA, MJAR, JOW, PETK, QSPA, KKPm, NV01, NVAR, NVAR, KRSR, SHPR, USRK, U15A, MTPU, NJ2, NJ2, DIV, DIV, BMRM, CN2, CN2, MNTX, TRF, BNM, RND, TX31, TXAR, TXAR, ANMO, WRH, DOT, REDW, FWXY, CCB, MDM, IM3, ILI, ILAR, ILAR, ILAR, BW06, PD31, PDAR, PDAR, PDAR, DAWY, MSTX, EGAK, MAW, MAW, ABTX, GYA, GYA, HHC, HHC, HHC, PLCA, KMI, KMI, CD2, CMAR, VNA3, SNA4, VNA2, VNA1, LZH, LZH, LZH, ULM, GTA, GTA, GTA, KSH, KMBO, KMBO, KSP, CLL, BRG, BRG, DPC, KRLC, MORC, MORC, PRU, KECS, MEM, VRLC, VRLC, BCLA, VYMS

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Table with columns: Code, Station Name, A, AZ, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like BR131, BRTR, KRUC, MOR, DOU, GRFO, KHC, WLF, WLF, GERS, GERS, GEA0, CONA, MOA, ARSA, ARSA, RETTE, KBA, WATA, SOKA, MOTA, SOKA, SOKA, DAVA, OBKA, MYKA, FETA, ABTA, FUORI, DIVS, TUE, BLY, TGT, ES19, ES19, TORD, TORD

CNRM 22.00:49:38.6, 36.96N:5.17W, h30km, ML2.7, ISCJB 22.00:49:45.4:0.5, 37.09N:0.04:4.96W:0.02, h11km, 3km, Error ellipse: s-maj=6.6km s-min=2.8km az=170.9

SFS 22.00:49:47.0:0.37, 09N:4.98W, h10km, ML1.7, LOS CORRALES (SEVILLA)

MDD 22.00:49:47.7:0.5, 37.09N:4.97W, h11km, 1km, mBlg1.8/14, Error ellipse: s-maj=5.5km s-min=3.0km az=11.0, PFXIMO ISC 22.00:49:45.8:1.1, 37.05N:0.04:4.95W:0.02, h7km, 10km, n29, 0.117/46, Spain

Table with columns: Code, Station Name, A, AZ, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like LJJA, LJJA, EMAL, EMAL, EGOR, EGOR, EJIF, HORN, HORN, ELGU, ELGU, ELCB, ELCB, ECAB, EADA, EADA, EQU, EQU, EMIN, EMIN, EMIN, GORA, GORA, GORA, EBER, EBER, EBER, EQES, EQES, EQES, EGRO, EGRO, EGRO, SESP, SESP, SESP, PVAQ, PVAQ, PVAQ, EBAD, EBAD, EBAD, PBDV, PBDV, PAB, PAB, PAB, ESDC, ESDC, PESTR, EVO, EVO

22d 1h

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like H11N2, H11N1, H11N3, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like CMAR, CMAR, CMAR, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like HNR, HNR, HNR, etc.

22d 1h

KHC	Kaspeške Hory	81.13	329	eP	P	01 55 29.2 +0.9
K13	Kaspeške Hory	81.13	329	eP	P	01 55 29.2 +0.9
SDCO	Great Sand Dun	81.24	48	eP	P	01 55 30.5 +1.1
SDCO	Great Sand Dun	81.24	48	P	P	01 55 30.8 +1.3
GERES	GERESS Array B	81.30	329	P	P	01 55 29.7 +0.3
GEAO	GERESS Array S	81.31	329	eP	P	01 55 29.4 0.0
EKA	Eskdalemuir Arr	81.37	341	P	P	01 55 28.9 -0.4
EKA	Eskdalemuir Arr	81.37	341	P	P	01 55 29.0 -0.4
GRF	Grafenberg Arr	81.61	330	P	P	01 55 32.0 +1.2
GRF	Grafenberg Arr	81.61	330	P	P	01 55 32.0 +1.2
TUC	Tucson	81.67	55	eP	P	01 55 33.2 +1.6
TUC	Tucson	81.67	55	eP	P	01 55 33.2 +1.6
TUC	Tucson	81.67	55	P	P	01 55 32.7 +1.2
VTS	Vitoshia	81.72	319	eP	P	01 55 32.8 +1.1
VTS	Vitoshia	81.72	319	iP	P	01 55 33.0 +1.3
VTS	Vitoshia	81.72	319	eP	P	01 55 32.8 +1.1
VTS	Vitoshia	81.72	319	P	P	01 55 32.8 +1.1
ECSD	EROS Cata Cent	81.73	39	P	P	01 55 31.8 +0.2
ARSA	Arzberg	81.80	327	iP	P	01 55 32.6 +0.7
MOA	Molin	81.86	328	iP	P	01 55 33.6 +1.4
E38A	The Farm, Brul	81.90	34	eP	P	01 55 32.4 0.0
KSCO	Kaye Shedlock	81.99	46	P	P	01 55 33.7 +0.5
DIVS	Divibare	82.18	322	eP	P	01 55 34.1 +0.1
F38A	Pierce - Schro	82.26	35	P	P	01 55 34.4 +0.2
T25A	Trinidad	82.29	48	eP	P	01 55 36.2 +1.3
T25A	Trinidad	82.29	48	P	P	01 55 35.6 +0.8
SPM	Marine on St.	82.41	36	P	P	01 55 35.1 +0.1
SOKA	Soboth	82.45	327	iP	P	01 55 36.2 +0.8
E39A	Mellen	82.51	34	P	P	01 55 35.6 0.0
LAZ	Ladron	82.55	51	eP	P	01 55 38.3 +2.1
ANMO	Albuquerque	82.59	51	eP	P	01 55 38.0 +1.5
ANMO	Albuquerque	82.59	51	eP	P	01 55 38.4 +1.9
ANMO	Albuquerque	82.59	51	P	P	01 55 38.0 +1.5
BGNE	Belgrade	82.67	41	P	P	01 55 36.5 -0.1
F39A	Loretta	82.72	34	P	P	01 55 36.6 0.0
E40A	Wakfield	82.74	33	P	P	01 55 37.5 +0.7
OBKA	Obir	82.79	327	iP	P	01 55 37.9 +0.7
D41A	Chassel	82.82	32	P	P	01 55 37.6 +0.4
KBA	Koelnbreinsper	82.85	328	iPcP	P	01 55 39.3 +1.7
KBA	Koelnbreinsper	82.85	328	P	P	01 55 39.0 +1.4
G36A	Ridgeland	82.88	35	P	P	01 55 37.4 -0.2
BNM	Barren Site	83.03	51	eP	P	01 55 40.4 +1.6
F40A	Park Falls	83.06	34	P	P	01 55 38.2 -0.2
MYKA	Terra Mystica	83.08	327	iP	P	01 55 38.7 +0.1
E19A	Kenton	83.13	33	P	P	01 55 39.0 +0.2
314A	Douglas	83.25	55	eP	P	01 55 41.5 +1.6
121A	Cookes Peak, D	83.41	53	P	P	01 55 41.8 +1.0
ABTA	Abfaltersbach	83.46	328	iP	P	01 55 41.1 +0.5
H39A	Augusta	83.51	35	P	P	01 55 40.8 0.0
G40A	Rib Lake	83.53	34	P	P	01 55 40.7 -0.2
MOTA	Moosalm	83.55	329	iPcP	P	01 55 42.7 +1.6
RETA	Reutte	83.57	329	iPcP	P	01 55 42.0 +0.9
E42A	Champion	83.59	32	P	P	01 55 41.1 -0.1
K36A	Gilmore City	83.60	38	P	P	01 55 41.3 +0.1
F41A	Three Lakes	83.64	33	eP	P	01 55 42.3 +0.8
F41A	Three Lakes	83.64	33	P	P	01 55 42.0 +0.5
CBKS	Cedar Bluff	83.71	44	P	P	01 55 42.1 0.0
PDG	Podgorica	83.79	321	iP	P	01 55 43.0 +0.7
TTG	Podgorica	83.79	321	eP	P	01 55 42.7 +0.4
TTG	Podgorica	83.79	321	eP	P	01 55 42.7 +0.4
K37A	Belmond	83.89	38	P	P	01 55 43.1 +0.4
H40A	Chili	83.96	35	P	P	01 55 43.2 +0.1
FETA	Feichten	83.96	329	iPcP	P	01 55 43.9 +0.6
E43A	Lone Tree Farm	84.02	32	P	P	01 55 43.2 -0.1
I39A	Houston	84.05	36	eP	P	01 55 44.0 +0.4
I39A	Houston	84.05	36	P	P	01 55 43.6 0.0
DAVA	Damuels	84.08	330	iPcP	P	01 55 45.0 +1.1
H41A	Junction City	84.29	34	P	P	01 55 44.9 +0.1
PMOR	Pomario Rio	84.31	114	eT	T	03 28 41.3
J39A	Decorah	84.36	36	P	P	01 55 45.0 -0.2
H40A	Norwalk	84.43	35	P	P	01 55 45.4 -0.1
FUORN	Ofenpass-Fuorn	84.47	329	eP	P	01 55 46.7 +0.7
H41A	Arkdale	84.63	35	eP	P	01 55 47.2 +0.7
H41A	Arkdale	84.63	35	P	P	01 55 46.5 0.0
SCIA	State Center	84.75	38	P	P	01 55 47.4 +0.3
K39A	Delwein	84.77	37	P	P	01 55 46.9 -0.4
PPT	Papeete	84.89	117	LR	LR	02 25 49.9
PPT2	Papeete2	84.90	117	eLR	LR	02 22 42.9
PPT2	Papeete2	84.90	117	eT	T	03 29 24.8
TUE	Stuetta	84.96	330	eP	P	01 55 48.9 +0.5
TAR	Tiarei	85.09	117	eT	T	03 29 34.8
J41A	Loganville	85.11	35	P	P	01 55 48.8 -0.2
K40A	Colesburg	85.12	37	P	P	01 55 49.0 +0.1
L39A	Vinton	85.16	37	P	P	01 55 48.9 -0.3
KSU1	Kansas State U	85.16	42	eP	P	01 55 49.5 +0.2
KSU1	Kansas State U	85.16	42	P	P	01 55 49.2 -0.1
H42A	Draeger Farm	85.19	35	P	P	01 55 49.5 +0.2
H43A	Windswept, Lux	85.22	34	P	P	01 55 49.8 +0.3

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JFWS	Jewell Farm	85.36	36	P	P	01 55 50.3 +0.1
F46A	Macinnaw City C	85.42	31	P	P	01 55 50.9 +0.5
AMTX	Amarillo	85.44	48	eP	P	01 55 52.3 +1.4
AMTX	Amarillo	85.44	48	P	P	01 55 51.9 +1.0
MSTX	Muleshoe	85.45	49	eP	P	01 55 52.0 +1.0
MSTX	Muleshoe	85.45	49	P	P	01 55 51.7 +0.7
MNTX	Coridas Mount	85.47	52	P	P	01 55 51.9 +1.0
J42A	Columbus	85.55	35	P	P	01 55 51.3 +0.2
K41A	Shullsburg	85.57	36	P	P	01 55 51.4 +0.1
L40A	Anamosa	85.58	37	P	P	01 55 51.1 -0.2
M39A	Webster	85.58	38	P	P	01 55 51.7 +0.4
J43A	Natural Harves	85.61	35	P	P	01 55 52.6 +0.2
K42A	Prairie Point,	85.88	35	P	P	01 55 52.7 -0.1
N39A	Derby Farms, D	85.88	38	eP	P	01 55 53.8 +1.0
N39A	Derby Farms, D	85.88	38	P	P	01 55 53.3 +0.4
L41A	Preston	85.90	37	P	P	01 55 52.8 -0.1
TAOE	Nuku Hiva Isla	85.92	105	eLR	LR	02 23 10.8
M40A	Post Highland	85.95	38	P	P	01 55 53.4 +0.2
N40A	Mertquake, Sal	86.32	38	P	P	01 55 55.4 +0.4
L42A	Oliver, Polo	86.34	36	P	P	01 55 55.4 +0.3
M41A	Milan	86.43	37	P	P	01 55 55.6 +0.1
L44A	Lake County Fo	87.00	35	P	P	01 55 58.1 -0.1
J46A	Howard City	87.03	33	P	P	01 55 58.9 +0.5
N42A	Yates City	87.09	37	P	P	01 55 59.1 +0.4
M43A	Walton Townsh	87.11	36	P	P	01 55 59.2 +0.4
WMOK	Wichita Mounta	87.20	46	eP	P	01 56 00.1 +0.6
WMOK	Wichita Mounta	87.20	46	eP	P	01 56 00.1 +0.6
WMOK	Wichita Mounta	87.20	46	P	P	01 55 59.7 +0.3
D54A	Lac Fused, La	87.23	26	P	P	01 55 59.1 -0.2
O41A	Passleys Farm,	87.25	38	P	P	01 55 59.4 -0.2
N43A	Stutzman Famil	87.41	36	P	P	01 56 00.5 +0.2
P41A	Barry, Barry	87.51	38	P	P	01 56 01.1 +0.3
M44A	Midewin, Midew	87.57	36	eP	P	01 56 02.2 +1.2
M44A	Midewin, Midew	87.57	36	P	P	01 56 01.1 +0.1
S38A	Stockton	87.67	41	P	P	01 56 01.8 +0.2
S39A	Bolivar	87.92	41	eP	P	01 56 03.0 +0.2
S39A	Bolivar	87.92	41	P	P	01 56 02.6 -0.2
T38A	Diamond	87.92	42	P	P	01 56 03.1 +0.3
P42A	Winchester	87.92	38	P	P	01 56 03.2 +0.4
Q41A	Truxton	87.99	39	P	P	01 56 03.9 +0.8
K48A	Perry	88.12	32	P	P	01 56 04.1 +0.5
TX31	Lajitas Ar. Si	88.17	53	eP	P	01 56 05.3 +1.1
TXAR	Lajitas Array	88.17	53	P	P	01 56 05.0 +0.7
TXAR	Lajitas Array	88.17	53	P	P	01 56 05.0 +0.7
TXAR	Lajitas Array	88.17	53	P	P	01 56 05.0 +0.7
N45A	Kentland	88.24	36	P	P	01 56 05.1 +0.8
ABTX	Abilene, Hawle	88.24	48	P	P	01 56 04.9 +0.4
P43A	Skaggs, Pawnee	88.27	37	P	P	01 56 04.9 +0.5
M46A	Old House Fiel	88.31	34	P	P	01 56 05.2 +0.6
L47A	Sherwood	88.34	33	P	P	01 56 05.3 +0.6
Q42A	Golden Eagle	88.36	39	P	P	01 56 05.4 +0.5
T39A	Clever	88.40	41	P	P	01 56 05.9 +0.8
K49A	Clarkson	88.41	32	P	P	01 56 05.4 +0.4
R41A	Roselud	88.43	39	P	P	01 56 05.6 +0.4
N46A	Monticello	88.55	35	P	P	01 56 05.8 +0.1
O45A	Potomac	88.62	36	P	P	01 56 06.4 +0.3
M47A	Cromwell	88.67	34	P	P	01 56 06.7 +0.5
HHAR	Hobbs	88.67	42	eP	P	01 56 07.0 +0.6
CCM	Cathedral Cave	88.68	40	eP	P	01 56 06.8 +0.4
CCM	Cathedral Cave	88.68	40	eP	P	01 56 06.8 +0.4
CCM	Cathedral Cave	88.68	40	P	P	01 56 06.8 +0.4
L48A	N Adams	88.70	33	P	P	01 56 07.2 +0.8
R42A	Luebbering	88.73	39	P	P	01 56 07.3 +0.7
Q43A	New Douglas	88.74	38	P	P	01 56 07.2 +0.6
T40A	Mansfield	88.74	41	P	P	01 56 06.7 0.0
K50A	Casco	88.76	31	P	P	01 56 07.1 +0.4
S41A	Jillie Farms,	88.80	40	P	P	01 56 07.2 +0.3
SFIN	Lafayette	88.81	36	eP	P	01 56 07.9 +1.0
SFIN	Lafayette	88.81	36	P	P	01 56 07.7 +0.8
P44A	Sand Creek, Wi	88.83	37	P	P	01 56 07.9 +0.8
U39A	Green Forest	88.84	42	P	P	01 56 07.2 +0.1
L49A	Milan	88.84	32	P	P	01 56 07.2 +0.2
TBI	Tubuai	88.94	121	eT	T	03 34 24.5
N47A	Urbana	89.02	34	P	P	01 56 07.9 -0.1
Q44A	Meyer Farm, Va	89.09	38	P	P	01 56 08.9 +0.6
S42A	Caledonia	89.13	39	P	P	01 56 09.1 +0.6
FVM	French Village	89.14	39	eP	P	01 56 09.5 +0.9
FVM	French Village	89.14	39	eP	P	01 56 09.5 +0.9
R43A	Red Bud	89.15	39	P	P	01 56 08.9 +0.3
V39A	Pettigrew	89.17	42	P	P	01 56 09.0 +0.2
U40A	Yellville	89.18	42	P	P	01 56 08.9 +0.1
P45A	Graceland, PR	89.19	36	P	P	01 56 09.3 +0.6

T41A	Mountain View	89.21	40	P	P	01 56 09.5 +0.6
M49A	Liberty Center	89.28	33	P	P	01 56 09.7 +0.6
N48A	DeCATUR	89.33	34	P	P	01 56 09.7 +0.3
O47A	Sheridan	89.33	35	P	P	01 56 09.6 +0.2
P46A	Rosedale	89.37	36	eP	P	01 56 10.2 +0.7
Q45A	Warren Harvey,	89.51	37	P	P	01 56 11.0 +0.8
T42A	Van Buren	89.56	40	eP	P	01 56 11.2 +0.7
T42A	Van Buren	89.56	40	P	P	01 56 11.0 +0.5
R44A	Waltonville	89.58	38	P	P	01 56 11.2 +0.6
W39A	Magazine	89.58	43	P	P	01 56 10.9 +0.3
V40A	Witts Springs	89.62	42	P	P	01 56 11.0 +0.1
S43A	Fulton Ridge,	89.64	39	P	P	01 56 11.2 +0.3
N49A	Columbus Grove	89.64				

Table with columns: OXF, comp, pmax, pmax, OXF, OXF, Y44A, X45A, O56A, MCWV, U49A, T50A, V48A, W47A, S52A, Y45A, U50A, V49A, W48A, W49A, U51A, SWET, Y50A, X49A, Y48A, Z47A, V52A, U53A, X50B, BLA, Y50A, Y51A, Z50A, Z50A, 149A, X53A, Y52A, 249A, Y54A, 152A, Z53A, Z54A, TORD, SNA, VNA3, LPAZ, VNA1, LVC, LVC, LVC, PLCA, PLCA, BDFB, CPUP, INMG, MORF, MORF, MORF, MORF, MESJ, MESJ, MESJ, MESJ, ALMR, ALMR, ALMR, PBDV, PBDV, PBDV, PBDV, PBEJ, PBEJ

Table with columns: PBEJ, PBEJ, EVO, EVO, PVAQ, PVAQ, PVAQ, PTOM, PTOM, PTOM, EGRO, EGRO, PESTR, PESTR, EBAD, EBAD, EMIN, EMIN, ECAB, ECAB, ELOB, ELOB, EPLA, EPLA, MVO, MVO, EADA, EADA, PAB, PAB, ESDC, ESDC, KIZT, KIZT, KADH, KADH, DOGA, DOGA, BOLV, BOLV, LADK, LADK, BAGO, BAGO, KONT, KONT, KMBY, KMBY, SUTC, SUTC, SUTC, SUTC, BORA, BORA, TVSB, TVSB, GAZ, GAZ, KMRS, KMRS, KUZU, KUZU, ANDN, ANDN, ATAB, ATAB, ELBS, ELBS, KOZT, KOZT, SAHM, SAHM, TAHT, TAHT, AKCD, AKCD, SURC, SURC, DARE, DARE, URFA, URFA, SANL, SANL, BNN, BNN, SVRC, SVRC, PTK, PTK, NEIC, NEIC, IDC, IDC, ISCJB, ISCJB, ISCJB, ISCJB, AFI, AFI, AFI, DZM, DZM, OUZ, OUZ, URZ, URZ, URZ, URZ, THZ, THZ

Table with columns: KHZ, KHZ, OXZ, OXZ, RPZ, RPZ, FOZ, FOZ, PPT, PPT, LBZ, LBZ, WKZ, WKZ, MLZ, MLZ, ARMA, ARMA, CTA, CTA, CTAO, CTAO, CAN, CAN, STKA, STKA, STKA, WB2, WB2, WRAB, WRAB, WRA, WRA, WRA, WRA, ASO1, ASO1, AS31, AS31, ASAR, ASAR, ASAR, ASAR, MTN, MTN, Vnda, Vnda, MJAR, MJAR, MAT, MAT, GSFA, GSFA, PETK, PETK, USRK, USRK, CMB, CMB, ISA, ISA, AFDM, AFDM, ORV, ORV, KDB, KDB, YBH, YBH, WAKR, WAKR, BEKR, BEKR, YERR, YERR, PAHR, PAHR, NV01, NV01, NVAR, NVAR, NV11, NV11, KLR, KLR, KVN, KVN, LDFC, LDFC, TPNV, TPNV, MOD, MOD, K05A, K05A, SHPR, SHPR, PINE, PINE, R11A, R11A, WVOR, WVOR, G06A, G06A, TUC, TUC, SUA, SUA, J08A, J08A, LCMT, LCMT, X16A, X16A, CCUT, CCUT, PMR, PMR, KNB, KNB, PSUT, PSUT, 319A, 319A, SZCU, SZCU, U15A, U15A, DIV, DIV, G08A, G08A, WUAZ, WUAZ, BMRM, BMRM, SCM, SCM, HAWA, HAWA, SEY, SEY, E08A, E08A, X18A, X18A, MTPU, MTPU, BMO, BMO, MSU, MSU, MAW, MAW, TRF, TRF, HARP, HARP, RND, RND

Table with columns: APE, MSLB, AKAS, etc. and rows listing various stations and their parameters.

NEIC 22 06:32:04.3-0.18'26N:100.79W, h55km, MD4.0(MEX), After MEX.

MEX 22 06:32:04.3-0.18'26N:100.79W, h55km, 5km, MD4.0, Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like ARIG, ZIIG, MEIG, etc.

ICD 22 06:56:44.3-1.5, 27.78N:87.75E, h0km, mb3.7/6, mb1 3.8/8, mb1mx3.6/39, mbtm3.7/8, ML3.9/2, Error ellipse: s-maj=62.0km s-min=17.9km az=64.0

NDI 22 06:56:50.8-2.7, 28.04N:87.78E, h36km, 22km, ML3.9

ISCJTB 22 06:56:51.9-0.3, 27.73N:105.87E:0.03, h9km, 5km, mb3.5/6, Error ellipse: s-maj=8.4km s-min=3.7km az=19.4

DMN 22 06:56:52.6-0.0, 27.93N:87.84E, h60km, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0

ISC 22 06:56:52.6-0.8, 27.79N:106.87E:0.03, h81km, 8km, mb3.5, 28.28/52, mb3.6/6, Nepal

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like TAPN, GTK, ODAN, RAMN, etc.

Table with columns: TEZP, ZIRO, KOHI, MOKO, SAIH, BHPL, CMAR, WMQO, MKAR, KURBB, SONM, ZALV, ARCES, WRA, ASAR, etc. and rows listing various stations and their parameters.

ATH 22 07:10:24.7, 34.52N:26.79E, h17km, 4km, ML2.7/3, Error ellipse: s-maj=6.6km s-min=2.0km az=330.0

ICD 22 07:10:24.1, 5.1, 34.67N:26.39E, h0km, mb3.6/4, mb1 3.7/6, mb1mx3.5/28, mbtm3.5/6, ML3.6/2, Error ellipse: s-maj=41.2km s-min=25.4km az=143.0

THE 22 07:10:25.3, 34.63N:26.91E, h7km, 4km, ML2.7/2, Error ellipse: s-maj=14.5km s-min=2.9km az=48.0

GII 22 07:10:35.1-0.0, 33.87N:27.16E, h1km

ISC 22 07:10:25.7, 1.4, 34.87N:10.07:26.87E:0.05, h19km, 4km, n28, -1820/33, mb3.5/4, Crete

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like ZKR, NPS, LAST, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like I44RU, I39PW, I53US, I18DK, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BRVK Borovoye, Kashi, Manas, Sufi-Kurgan, etc.

NIED 22 09:32:00.37.00N:143.80E, h5km, Mw3.9 Best double couple: M8.880000*1014 NP1=32.000000, delta.000000, lambda.95.000000. NP2=218.000000, 369.000000, lambda.88.000000.
IDC 22 09:32:07.9.0.36.70N:144.06E, h0km, mb3.8/7, mb1 4.0/12, mb1mx3.8/53, mbtmp4.0/12, ML4.0/4, h33km, ellipse: s-maj=26.0kn s-min=17.2kn az=92.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, h, m, s, ISC. Includes stations like JFK Kawauchi, ONAJ Iwakimizuishiy, OURI, etc.

ISCJB 22 09:34:55.2.0.4.39.98N:102.33.61E:0.04, h0km, Error ellipse: s-maj=4.5km s-min=3.0km az=7.5
DDA 22 09:34:55.4.40.00N:33.58E, h7km, ML2.6, Suspected Mining explosion.
ISK 22 09:34:55.2.39.98N:33.57E, h13km, ML2.7
ISC 22 09:34:54.7.0.8.39.93N:103.33.57E:0.03, h0km, n18, +050.25, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BBAL Bala, ELDT Eldivan, KAMT Kaman, etc.

IDC 22 09:39:20.8.4.9.13.28N:142.83E, h174km, 4.1km, mb3.5/4, mb1 3.8/5, mb1mx3.8/39, mbtmp3.9/5, MS2.8/2, Ms1 2.8/2, ms1mx2.4/25, Error ellipse: s-maj=88.6km s-min=16.3km az=116.0, South of Mariana Islands
MOS 22 09:55:55.9.1.2.56.42S:25.92W, h25km, mb5.2/11, Error ellipse: s-maj=21.6km s-min=10.6km az=108.5
ISCJB 22 09:55:56.6.0.3.56.31S:01.05:25.68W, h29km, mb5.1/42, MS4.1/18, Error ellipse: s-maj=8.2km s-min=5.4km az=138.4
NEIC 22 09:55:55.1.3.2.56.30S:25.59W, h14km, 1.9km, mb5.2/31, Error ellipse: s-maj=8.9km s-min=5.6km az=222.0
GCMT 22 09:56:00.2.0.3.56.38S:01.03:25.31W:0.03, h21km, 1.1km, MW5.0/78, Moment Tensor Solution. s31, c36; s78, c20; Duration: 0 Moment tensor: Scale 1016Nm; Mm2:72.104; Mm0:0.06t; 14; Mm2:2.78t; 13; Mm0:58.25t; Mm0:83t; 07; Mm2:13t; 20. Best double couple: M6.325000/1016 NP1=32.000000, delta.000000, lambda.107.000000. NP2=218.000000, 369.000000, lambda.88.000000. Principal axes: T 3.6400, Plg6.0000, Azm304.0000; N -0.0310, Plg16.0000, Azm175.0000; P -3.6090, Plg18.0000, Azm80.0000; nsta1 refers to body waves, cutoff=40s.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, h, m, s, ISC. Includes stations like HOPE Hope Point, VNA1 Neumayer-Stat, VNA3 Neumayer Olymp, etc.

Table with columns: LPZ, Name, Frequency, Power, Phase, Time, Res. Includes stations like LA Paz, SAMIL, NNA, etc.

Main table with columns: Code, Station Name, Frequency, Power, Phase, Time, Res. Includes stations like GYA, MK32, MKAR, etc.

Table with columns: Code, Station Name, Frequency, Power, Phase, Time, Res. Includes stations like n65, AKS, AKH, etc.

IDC 22 10:54:26.9-1.8,0:10N:125.78E, h0km, mb3.9/4, mb1 4.1/4, mb1mx3.7/32, mbtm3.9/4, Error ellipse: s-min=174.8km s-min=24.2km az=64.0, Northern Molucca Sea

Table with columns: Code, Station Name, Frequency, Power, Phase, Time, Res. Includes stations like WRA, ASAR, STKA, etc.

NIED 22 11:05:00.24:40N:125.30E, h35km, Mw4.1 Best double couple: M1:43000x1015 NP1:268.00000, 821.00000, 1.127.00000, NP2:48.00000, 873.00000, 1.77.00000

Table with columns: Code, Station Name, Frequency, Power, Phase, Time, Res. Includes stations like JMA, JMS, etc.

ISLANDS 22 11:05:11.8-1.7, 24.31N:125.27E, h53km, Mw4.3, n23.0:671/27, mb3.8/6, MS2.8/3, Southwestern Ryukyu

Table with columns: Code, Station Name, Frequency, Power, Phase, Time, Res. Includes stations like WRA, ASAR, STKA, etc.

Table with columns for station call letters, frequency, and other technical details. Includes stations like YAK, MDJ, INU, JHU, KRSRS, etc.

Table with columns for station call letters, frequency, and other technical details. Includes stations like WHN, INK, LZH, LNH, etc.

Table with columns for station call letters, frequency, and other technical details. Includes stations like AAK, PHRA, SHL, SHL, etc.

22d 11h

Table with columns for station name, frequency, power, and other technical details. Includes stations like LOHW Long Hollow, DGMT Dagmar, LAO LASA Array, etc.

2012 OCT

Table with columns for station name, frequency, power, and other technical details. Includes stations like EYMN Ely, YVSR Storzhevoje, X18A Snowflake, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like WMOK Wichita Mounta, W43A Stutzman Famil, WRAB Tennant Creek, etc.

RRRZ	Republican Roa	1.34 270	P	Pb	12 47 08.9 +0.6
TARZ	Mount Tarawera	1.36 274	P	Pg	12 47 09.3 +0.7
MKRZ	Makaiti	1.40 278	P	Pg	12 47 11.2 +0.6
OPRZ	Ohinepanea	1.41 291	P	Pb	12 47 08.8 +0.3
PRRZ	Plateau Road	1.44 294	P	Pb	12 47 10.4 +0.3
HLRZ	Highlands Stat	1.45 295	P	Pb	12 47 11.5 +0.0
OMRZ	Omania	1.48 279	P	Pb	12 47 10.7 +0.1
ALRZ	Allen Road	1.49 261	P	Pb	12 47 11.6 +0.7
LIRZ	Lichensteins R	1.49 283	P	Pb	12 47 11.2 +0.4
MHRZ	Matea Rd	1.49 251	P	Pb	12 47 11.6 +0.7
HRZ	Handcock Road	1.52 298	P	Pb	12 47 11.7 +0.2
HSRZ	Hossack Road	1.55 308	P	Pb	12 47 12.3 +0.0
BKZ	Black Stump Fm	1.58 239	P	Pb	12 47 12.3 +0.0
CKHZ	Cape Kidnapper	1.58 214	P	Pb	12 47 12.3 +0.0
KARZ	Kaharoa	1.59 281	P	Pn	12 47 11.9 +0.9
UTJ	Utuhia	1.61 276	P	Pb	12 47 13.6 +0.8
MCHZ	McNeals Hill	1.62 227	P	Pb	12 47 12.2 -0.2
NGRZ	Ngongotaha	1.62 276	P	Pb	12 47 13.5 +0.4
WPRZ	Whakapapatarin	1.63 264	P	Pb	12 47 13.7 +0.5
GRZ	Galatos Road	1.66 270	P	Pb	12 47 13.5 -0.2
TGRZ	Tauranga	1.67 291	P	Pb	12 47 12.5 +0.4
HATZ	Hiremaiaia	1.75 252	P	Pb	12 47 15.2 -0.1
KWHZ	Kaweka Forest	1.76 322	P	Pn	12 47 14.6 +1.2
KAHZ	Kahuranaki	1.78 216	P	Pn	12 47 14.2 +0.6
WHZ	Whakaora	1.80 259	P	Pn	12 47 14.6 +0.1
KRMZ	Kaimai	1.80 285	P	Pn	12 47 15.8 +1.0
KUTZ	Kaahu Road	1.85 265	P	Pn	12 47 16.8 -0.9
MWRZ	Murray Island	1.93 223	P	Pn	12 47 16.5 +0.0
KRHZ	Kereru	1.98 225	P	Pn	12 47 16.7 +1.0
RHZ	Rihia Road	1.98 251	P	Pb	12 47 17.8 -0.9
PXZ	Pawanui	1.98 212	P	Pb	12 47 15.9 -0.4
WATZ	Wairara	1.98 259	P	Pb	12 47 19.3 +0.0
RNGZ	Rangitiki	1.99 234	P	Pb	12 47 18.2 -1.0
BHZ	Black Hill Sta	2.00 235	P	Pb	12 47 18.3 +1.2
KATZ	Kakarama	2.07 252	P	Pb	12 47 20.4 -0.5
TLZ	Tolley Road	2.11 270	P	Pb	12 47 19.0 +0.9
KRVZ	Karewarewa	2.15 249	P	Pn	12 47 20.2 +1.5
MOVZ	Mowhango	2.19 241	P	Pn	12 47 21.1 +1.7
WTVZ	West Tongariro	2.20 218	P	Pb	12 47 20.5 +1.9
WPHZ	Waipukurau	2.20 218	P	Pb	12 47 19.5 +0.2
TUVZ	Tukino	2.20 245	P	Pb	12 47 22.6 -0.5
NGZ	Ngauruhoe	2.21 247	P	Pn	12 47 21.4 +1.9
PNHZ	Pukenui	2.21 225	P	Pn	12 47 19.7 +0.1
WZ	Waharoa Road	2.24 285	P	Pb	12 47 20.5 +0.7
WHVZ	Whangarei Hut	2.24 252	P	Pb	12 47 21.4 +0.4
COVZ	Chateau Observ	2.26 247	P	Pb	12 47 22.5 -1.4
FWVZ	Far West T-bar	2.27 246	P	Pb	12 47 23.2 -1.1
PRHZ	Porangahau	2.27 212	P	Pb	12 47 20.0 -0.4
TRVZ	Turoa	2.29 245	P	Pb	12 47 23.5 -1.1
TRWZ	Taurewa	2.48 251	P	Pb	12 47 23.2 +1.9
TMVZ	Mangateitei	2.38 242	P	Pb	12 47 24.5 -1.4
PKVZ	Pokaka	2.43 247	P	Pb	12 47 25.2 -1.8
TSZ	Takapari Road	2.45 225	P	Pb	12 47 22.6 -0.1
ANWZ	Angora Road	2.50 212	P	Pb	12 47 23.2 -0.3
DVHZ	Dannevirke	2.51 219	P	Pn	12 47 23.2 -0.4
KUTZ	Kautununu	2.52 238	P	Pb	12 47 23.9 -0.9
HIZ	Hauti	2.65 266	ePn	Pn	12 47 27.5 +0.2
HIZ	Hauti	2.65 266	P	Pn	12 47 27.7 +2.2
MKAZ	Moumakai	2.73 294	P	Pn	12 47 26.9 +0.3
BFZ	Birch Farm	2.78 213	ePn	Pn	12 47 26.4 +0.9
POST	Post Office Rd	2.81 216	P	Pn	12 47 27.9 +1.9
PRWZ	Pori Road	2.81 216	P	Pn	12 47 27.6 -0.1
VRZ	Veru Road	2.82 253	P	Pn	12 47 30.3 +2.6
WAZ	Wanganui	2.88 240	P	Pn	12 47 30.8 +2.1
WIAZ	Waiheke Island	2.91 301	P	Pn	12 47 29.5 +0.4
OHVZ	Ohaakea	2.92 230	P	Pn	12 47 30.7 +1.5
KBAZ	Karaka Road Bo	2.97 240	P	Pn	12 47 30.5 +0.6
ETAZ	East Tamaki Re	2.98 297	P	Pn	12 47 30.5 +0.7
CPWZ	Castlepoint	2.99 211	P	Pn	12 47 29.8 -0.4
TIWZ	Tintock	3.02 216	P	Pn	12 47 30.1 -0.5
GRZ	Great Barrier	3.04 313	P	Pn	12 47 30.9 +0.0
MBAZ	Motutapu North	3.08 300	P	Pn	12 47 32.1 +0.7
AWAZ	Awaituhi Peninsula	3.25 251	P	Pn	12 47 32.6 +1.9
EPAZ	Eden Park BICE	3.13 297	P	Pn	12 47 33.2 +1.1
HBZ	Herne Bay Bore	3.15 297	P	Pn	12 47 33.6 +1.2
WTAZ	Waatarua	3.23 295	P	Pn	12 47 34.3 +1.3
DREZ	Durham Road	3.25 254	P	Pn	12 47 36.9 +3.1
RAZ	Riverhead Bore	3.30 298	P	Pn	12 47 35.3 +0.9
PAZ	Palmer Road	3.32 219	P	Pn	12 47 34.3 +1.3
PKE	Puketiti	3.42 254	P	Pn	12 47 38.8 +2.8
KHEZ	Kahui Hut	3.42 253	P	Pn	12 47 39.0 +2.9
NBEZ	Newall Road No	3.52 254	P	Pn	12 47 41.4 +3.9
NMEZ	Namu Road	3.55 251	P	Pn	12 47 41.3 +3.4
WVZ	Waipatu	3.58 251	P	Pn	12 47 42.3 +0.6
SNZ	South Karori	4.01 221	ePn	Pn	12 47 42.2 -1.9
OZ	Omahuta	4.86 309	ePn	Pn	12 47 56.8 +1.0
OZ	Omahuta	4.86 309	P	Pn	12 47 56.9 +1.0
THZ	Tophouse	5.31 228	ePn	Pn	12 48 01.0 -1.2
KHZ	Kahutara	5.41 220	ePn	Pn	12 48 01.5 -1.8
SNZ	South Karori	4.01 221	Pn	Pn	12 48 03.2 -1.1
LTZ	Lake Taylor	6.33 224	ePn	Pn	12 48 14.5 -1.6
CTZ	Chatham Island	6.64 146	P	Pn	12 48 21.7 +1.3
CRZ	Canterbury Las	6.72 217	ePn	Pn	12 48 19.9 -1.5
MQZ	MQueen's Vall	6.80 216	ePn	Pn	12 48 20.2 -2.3
IMZ	Imataha	6.82 221	ePn	Pn	12 48 23.3 +0.2
OXZ	Oxford	6.83 221	ePn	Pn	12 48 23.1 +0.2
RPZ	Rata Peaks	7.62 223	Pn	Pn	12 48 31.6 -2.1
RPZ	1.2nm,0.3s,baz=133,slow=18,SNR=5.0				
RPZ	1.5nm,0.3s,baz=32,slow=21,SNR=3.6				12 49 52.0 -7.6
RPZ	Rata Peaks	7.62 223	ePn	Pn	12 48 31.6 -2.1
RPZ			eSn	Pn	12 49 52.0 -7.6
RPZ			eSn	Sb	12 49 54.1 -3.2
LBZ	Lake Benmore	8.53 223	ePn	Pn	12 48 44.5 -1.8
LBZ			eSn	Pn	12 50 15.8 -6.3
ODZ	Otauhu Downs	8.76 218	ePn	Pn	12 49 56.3 -1.1
PYZ	Puysgur Point	11.57 224	ePn	Pn	12 49 27.4 -0.5
STKA	Stevens Creek	30.51 271	P	P	12 52 55.2 -0.6
STKA	comp=Z,182nm,19.9s,baz=61,slow=7.4				13 04 02.3
STKA	Stevens Creek	30.51 271	ePn	Pn	12 52 56.2 +0.4
CTA	Charters Tower	33.08 294	P	P	12 53 19.8 +1.3
COEN	Coen	39.38 299	ePn	P	12 54 12.4 +0.1
AS01	Alice Springs	40.29 278	ePn	P	12 54 19.6 -0.4
AS31	Alice Springs	40.32 278	ePn	P	12 54 19.9 -0.3
ASAR	Alice Springs	40.32 278	P	P	12 54 20.0 -0.2
WBZ	Warramunga Arr	42.03 283	ePn	P	12 54 34.0 -0.4
WRAB	Tennant Creek	42.04 283	ePn	P	12 54 33.7 -0.7
WR1	Warramunga Arr	42.04 283	ePn	P	12 54 34.0 -0.3
WRA	Warramunga Arr	42.05 283	P	P	12 54 34.0 -0.4
WRA	comp=Z,115nm,20.1s,baz=115,slow=3.6				13 11 53.9
FITZ	Fitzroy Crossi	49.82 279	LR	LR	13 16 33.5
FITZ	Fitzroy Crossi	49.82 279	ePn	P	12 55 35.6 -0.1
CMAR	Chiang Mai Arr	93.16 291	ePn	P	12 59 57.2 +0.2
CMAR	Chiang Mai Arr	93.19 291	P	P	12 59 57.3 +0.1
ARCE	ARCESS Array S	145.51 343	ePKPbf	PKPbf	13 06 19.9 +0.3
ARCE	ARCESS Array H	145.51 343	ePKPbf	PKPbf	13 06 19.9 +0.3
FINA	FINESS Array S	151.16 332	ePKPbf	PKPbf	13 06 34.2 -0.7
FINA	FINESS Array H	151.16 332	ePKPbf	PKPbf	13 06 34.2 -0.7
TORD	Torodi Arr. Bea	154.71 188	PKPab	PKPab	13 07 00.3 +1.5
TOA1	Torodi Arr. Sit	154.71 188	ePKPab	PKPab	13 07 00.3 +1.5

MBAR	Mbarara	31.22 260	LR	LR	13 07 38.2
BRDH	Baridaha	33.93 56	LR	LR	13 09 42.1
PSI	Praipi	37.45 92	LR	LR	13 09 14.6
LSZ	Lusaka	38.74 238	LR	LR	13 10 44.3
CMAR	Chiang Mai Arr	38.86 291	P	P	12 56 20.6 -0.1
MATP	Matopop	41.20 231	LR	LR	13 11 20.1
BRTR	Keskin Array B	42.54 328	P	P	12 56 50.9 0.0
BOSA	Boshof	48.43 224	LR	LR	13 15 55.9
ESR	Sonsec Array	67.84 311	P	P	12 59 53.6 -0.1
WRA	Warramunga Arr	75.81 112	P	P	13 00 42.0 +0.1
ASAR	Alice Springs	76.15 116	P	P	13 00 43.8 0.0

SJA 22 12:50:34.0,2.0,6,24:04S:66:89W,h218km,5km,ML2.8, MW2.9
 ISCJB 22 12:50:36.0,1.1,2,4:03S:0:05:67:00W:0:04,
 h196km,11km,Error ellipse: s-maj=8.3km s-min=-4.9km
 az=23.3
 GUC 22 12:50:37.0,7.0,5,23:90S:67:49W,h236km,10km,ML4.0
 ISC 22 12:50:38.2,5,24:02S:0:06:66:93W:0:05,
 h221km,21km,n20,n19:46/37,4C-2D,Salta Province

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
SLA	San Lorenzo	1.47 118	ePn	12 51 09.9 +0.6	Pn
SLA	comp=Z,86nm,0.6s		IAML	12 51 12.0	
SLA	Humahuaca	1.61 60	eS	12 51 36.1 -0.8	Pn
HJA	Huaju		eS	12 51 11.4 +0.6	Pn
HJA	comp=Z,86nm,0.4s		eS	12 51 13.5	
HJA	Zapla	1.71 97	eS	12 51 39.2 -0.2	Pn
ASAP	Cafayete	2.25 158	ePn	12 51 11.8 +0.3	Pn
ASAP	comp=Z,7.1nm,0.6s		IAML	12 51 17.7 +1.1	
FSA	Yavi	2.25 36	eS	12 51 48.5 -1.5	Pn
YJA	Yavi		IAML	12 51 17.9 +0.9	Pn
YJA	comp=Z,77nm,0.9s		eS	12 51 18.9	
YJA	Limon Verde	2.30 307	eS	12 51 50.5 +0.1	Pn
LVC	LVC		eS	12 51 18.2 +0.9	Pn
YJA	IPOC Station P	2.47 289	eS	12 51 33.1 +0.2	Pn
PB15	IPOC Station P	2.47 289	iPn	12 51 20.1 +1.2	Pn
PB15	IPOC Station P	2.47 289	iPn	12 51 25.6 +1.6	Pn
ALOL	LOMAS DE OLMED	2.71 86	ePn	12 51 52.9 -1.0	Pn
PB06	IPOC Station P	2.76 298	ePn	12 51 25.1 +0.3	Pn
PB06	IPOC Station P	2.76 298	eS	12 51 23.1 +1.1	Pn
PB06	IPOC Station P	2.76 298	IAML	12 51 58.1 -1.4	Pn
PB06	comp=N,560nm,0.2s		iPn	12 51 59.9	
PB09	IPOC Station P	3.08 316	ePn	12 51 27.5 +1.9	Pn
PB09	IPOC Station P		iPn	12 52 05.5 -0.5	Pn
PB09	comp=N,176nm,0.3s		IAML	12 52 08.9	
PB05	IPOC Station P	3.22 291	ePn	12 51 28.4 +1.2	Pn
PB15	IPOC Station P		iPn	12 51 20.1 +1.2	Pn
PB05	comp=E,235nm,0.4s		IAML	12 52 10.8	
PB14	IPOC Station P	3.23 259	ePn	12 51 29.0 +1.6	Pn
PB14	IPOC Station P		eS	12 52 08.3 -1.0	Pn
PB14	comp=N,148nm,0.4s		IAML	12 52 12.2	
PB10	IPOC Station P	3.36 278	ePn	12 51 30.0 +1.3	Pn
PB10	IPOC Station P	3.36 278	iPn	12 51 30.4 +1.7	Pn
PB10	comp=E,166nm,0.3s		IAML	12 52 08.8 -2.8	Pn
PB04	IPOC Station P	3.41 299	iPn	12 52 15.7	
PB04	IPOC Station P		iPn	12 51 30.9 +1.5	Pn
PB04	comp=N,381nm,0.4s		IAML	12 52 10.6 -2.3	Pn
PB04	IPOC Station P		iPn	12 52 13.9	
PB07	IPOC Station P	3.56 309	iPn	12 51 32.5 +1.2	Pn
PB07	IPOC Station P		iPn	12 52 14.0 -2.1	Pn
PB01	IPOC Station P	3.79 321	ePn	12 51 35.2 +1.2	Pn
PB01	IPOC Station P		ePn	12 52 19.0 -2.1	Pn
PB02	IPOC Station P	3.84 314	iPn	12 51 35.5 +1.0	Pn
PB02	IPOC Station P		iPn	12 52 19.4 -2.8	Pn

WEL 22 12:52:00.6,38.35±10:178E°,h13km,2km,ML3.6/19, Off east coast of North Island					
Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
TWZG	Tauwhareparae	0.19 296	Op	12 52 05.7 -0.	

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Includes stations like Hachiojijimasak, Mitsuo, Hachiojijima 2, etc.

IDC 22 15:25:25.6:3.0, 30.045:177.30W, h0km, mb3.8/3, mb1 4.0/4, mb1mx3.7/23, mbtmp3.8/4, ML2.9/1, Error ellipse: s-maj=58.5km s-min=27.1km az=92.0

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

IDC 22 15:40:04.2:31.0, 49.96S:122.52E, h0km, mb3.7/3, mb1 4.0/3, mb1mx3.6/22, mbtmp3.7/3, MS3.5/1, Ms1 3.6/1, m1mx2.7/28, Error ellipse: s-maj=751.8km s-min=61.0km az=156.0, Western Indian-Antarctic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Includes stations like Cape Leeuwin H, Alice Springs, Wanda, etc.

IDC 22 15:43:48.8:0.5, 24.78N:0.03:94.17E:0.04, h96km, mb3.7km, mb3.3/4, Error ellipse: s-maj=6.4km s-min=5.5km az=5.8

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

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

IDC 22 15:55:28.7:0.3, 20.44S:0.02:68.86W:0.08, h131km, mb6km, mb4.2/4, Error ellipse: s-maj=12.8km s-min=3.8km az=2.6

NEIC 22 15:55:29.7:0.5, 20.43S:68.74W, h118km, mb3.0/4, mb4.0/5, Error ellipse: s-maj=17.7km s-min=7.9km az=98.0

GUC 22 15:55:30.4:0.7, 20.44S:68.91W, h108km, mb3km, ML4.3

IDC 22 15:55:30.7:2.7, 20.43S:68.64W, h127km, mb3.8/5, mb1 3.8/7, mb1mx3.5/35, mbtmp4.2/7, MS3.3/3, Ms1 3.3/3, m1mx2.8/24, Error ellipse: s-maj=39.2km s-min=21.3km az=94.0

IDC 22 15:55:29.3:0.7, 20.45S:0.03:68.84W:0.08, h123km, mb6km, n44, r121/62, mb4.2/4, 7C-2D, Chile-Bolivia border region

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Includes stations like MK32 Makanchi Array, MKAR Makanchi Array.

IDC 22 16:00:15.6:0.8, 2.88N:147.72E, h0km, mb4.0/11, mb1 4.2/12, mb1mx4.1/35, mbtmp4.1/12, ML4.2/1, MS3.2/6, Ms1 3.3/6, m1mx2.9/29, Error ellipse: s-maj=27.7km s-min=15.7km az=105.0

NEIC 22 16:00:17.2:4.0, 2.87N:147.87E, h12km, 25km, mb4.7/12, Error ellipse: s-maj=9.3km s-min=6.4km az=127.0

ISCJ 22 16:00:18.4:0.4, 2.83N:0.05:147.74E:0.08, h35km, mb4.2/22, MS3.2/6, Error ellipse: s-maj=11.5km s-min=7.1km az=11.9

ISC 22 16:00:20.4:0.5, 2.82N:0.08:147.74E:0.09, h35km, n45, r099/46, mb4.4/22, MS3.1/6, Eastern Caroline Islands region

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

ISCJ 22 16:09:22.3:0.7, 18.05S:0.1:175.2W:0.1, h228km, mb3.7/1, Error ellipse: s-maj=22.3km s-min=8.3km az=135.2

IDC 22 16:09:24.3:2.0, 18.04S:175.17W, h236km, 19km, mb3.6/11, mb1 3.6/12, mb1mx3.6/35, mbtmp4.2/12, Error ellipse: s-maj=30.3km s-min=12.6km az=141.0

ISC 22 16:09:23.5:0.7, 18.05S:0.1:175.2W:0.1, h228km, n19, r083/22, mb3.8/11, Tonga Islands region

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

WEL 22 16:10:03.6:1.2,33'S,18.18'0E,2.3,h282km,46km, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Lists seismic stations and their characteristics.

IDC 22 16:11:02.0:3.0,24.33S,179.38E,h492km,24km,mb3.5/6, mb1 3.7/6,mb1mx3.3/30,mbtmp4.4/6, Error ellipse: s-maj=82.3km s-min=26.3km az=162.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Lists seismic stations for the IDC event.

IDC 22 16:35:18.5:2.3,35.20S,179.08W,h0km,mb3.9/2, mb1 4.2/3,mb1mx3.3/33,mbtmp4.0/3,ML3.9, Error ellipse: s-maj=70.4km s-min=42.2km az=143.0

ISCJB 22 16:35:20.8:0.8,35.59S,0'06:178.78W,0.1,h47km, mb3.9/4, Error ellipse: s-maj=12.3km s-min=6.0km az=31.0

WEL 22 16:35:23.3:0.9,36.5'S,8'17.9'W, h33km,ML4.5/20

NEIC 22 16:35:23.9:3.8,35.69S,178.95W,h49km,27km,mb4.1/2, Error ellipse: s-maj=41.3km s-min=22.1km az=52.0

ISC 22 16:35:23.1:1.4,35.62S,0'08:178.8W,0.1,h47km,n52, r121/67,mb3.8/4,East of North Island

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Lists seismic stations for the IDC event.

IDC 22 16:35:23.3:0.9,36.5'S,8'17.9'W, h33km,ML4.5/20

NEIC 22 16:35:23.9:3.8,35.69S,178.95W,h49km,27km,mb4.1/2, Error ellipse: s-maj=41.3km s-min=22.1km az=52.0

ISC 22 16:35:23.1:1.4,35.62S,0'08:178.8W,0.1,h47km,n52, r121/67,mb3.8/4,East of North Island

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Lists seismic stations for the IDC event.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Lists seismic stations for the WEL event.

ISCJB 22 16:37:20.5:0.7,11.21S,0'07:162.5E,0.1,h46km, mb3.5/2,MS3.4/10, Error ellipse: s-maj=15.5km s-min=8.7km az=154.9

NEIC 22 16:37:22.4:1.5,11.10S,162.43E,h42km,14km,mb4.5/3, Error ellipse: s-maj=18.3km s-min=11.9km az=72.0

IDC 22 16:37:22.3:3.3,11.06S,162.40E,h42km,28km,mb3.6/7, mb1 3.9/10,mb1mx3.8/37,mbtmp4.0/10,ML4.3,MS3.4/12, Ms1 3.4/12,ms1mx3.3/27, Error ellipse: s-maj=31.6km s-min=20.6km az=77.0

ISC 22 16:37:22.2:0.8,11.19S,0'09:162.6E,0.1,h46km,n34, r254/22,MS3.4/10,Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Lists seismic stations for the IDC event.

CTA Charters Tower 18.06 239 P 16 41 29.9 +0.1

PATS Pohnphei 18.41 346 eP 16 41 30.5 -0.2

RAO Raoul Island 25.55 138 LR 16 51 05.6

STKA Stephens Creek 28.29 220 P 16 43 10.7 -0.8

STKA Warramunga Arr 28.56 249 eP 16 43 12.3 -1.7

WRA Warramunga Arr 28.56 249 P 16 43 12.3 -1.8

H1S2 WAKE ISLAND Hy 29.76 8 T 17 14 14.8

H1S3 WAKE ISLAND Hy 29.76 8 T 17 14 15.4

H1S1 WAKE ISLAND Hy 29.78 8 T 17 14 16.3

URZ Urewera 29.25 157 LR 16 53 37.2

ASAR Alice Springs 30.01 242 LR 16 54 10.8

GUMO Guam 30.27 324 LR 16 55 08.2

H1N1 WAKE ISLAND Hy 30.99 8 T 17 15 47.5

H1N2 WAKE ISLAND Hy 31.00 8 T 17 15 49.4

H1N3 WAKE ISLAND Hy 31.01 8 T 17 15 48.3

SIJI Sorong 32.78 286 LR 16 56 41.4

DAV Davao City (W) 41.08 295 LR 16 59 44.1

PPT Papeete 46.64 104 LR 17 03 09.2

PPT2 Papeete2 46.64 104 eLR 16 58 31.6

TAOE Nuku Hiva Isla 56.34 93 eLR 17 02 56.8

KSRS Korea Array 58.31 328 LR 17 10 37.7

VNDA Vanda 66.32 180 P 16 48 08.1 +2.5

VNDA Vanda 66.32 180 eP 16 48 08.2 +2.6

CMAR Chiang Mai Arr 69.37 295 P 16 48 24.6 -1.1

SONA Songino Array 76.99 325 eP 16 49 10.5 +0.2

SONA Songino Array 76.99 325 P 16 49 10.5 +0.2

SONM Sorong 76.99 325 LR 17 24 36.1

ILAR Eielson Array 84.64 19 P 16 49 49.2 -1.4

MK32 Makanchi Array 91.53 317 eP 16 50 24.3 +0.2

MKAR Makanchi Array 91.53 317 P 16 50 24.3 +0.2

PDA 22 16:39:03.6:1.1,39.14N,29.85W,h5km,MD3.5,ML3.2, Azores Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Lists seismic stations for the PDA event.

ISCJB 22 16:42:28.7:0.5,21.13S,0'03:69.0W,0.1,h129km,6km, mb4.0/3, Error ellipse: s-maj=16.6km s-min=4.7km az=4.8

GUC 22 16:42:29.1:0.7,21.11S,68.97W,h16km,9km,ML4.0

IDC 22 16:42:30.4:3.0,21.11S,68.61W,h116km,29km,mb3.7/4, mb1 3.6/6,mb1mx3.4/28,mbtmp4.0/6,MS3.0/1,Ms1 2.9/1, ms1mx2.4/24, Error ellipse: s-maj=43.6km s-min=20.1km az=104.0

ISC 22 16:42:29.4:0.8,21.11S,0'04:68.9W,0.1,h119km,8km, n21,r124/35,mb4.1/3,6C-5D,Chile-Bolivia border region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Lists seismic stations for the IDC event.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Lists seismic stations for the WEL event.

ISCJB 22 16:37:20.5:0.7,11.21S,0'07:162.5E,0.1,h46km, mb3.5/2,MS3.4/10, Error ellipse: s-maj=15.5km s-min=8.7km az=154.9

NEIC 22 16:37:22.4:1.5,11.10S,162.43E,h42km,14km,mb4.5/3, Error ellipse: s-maj=18.3km s-min=11.9km az=72.0

IDC 22 16:37:22.3:3.3,11.06S,162.40E,h42km,28km,mb3.6/7, mb1 3.9/10,mb1mx3.8/37,mbtmp4.0/10,ML4.3,MS3.4/12, Ms1 3.4/12,ms1mx3.3/27, Error ellipse: s-maj=31.6km s-min=20.6km az=77.0

ISC 22 16:37:22.2:0.8,11.19S,0'09:162.6E,0.1,h46km,n34, r254/22,MS3.4/10,Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Lists seismic stations for the IDC event.

CTA Charters Tower 18.06 239 P 16 41 29.9 +0.1

PATS Pohnphei 18.41 346 eP 16 41 30.5 -0.2

RAO Raoul Island 25.55 138 LR 16 51 05.6

STKA Stephens Creek 28.29 220 P 16 43 10.7 -0.8

STKA Warramunga Arr 28.56 249 eP 16 43 12.3 -1.7

WRA Warramunga Arr 28.56 249 P 16 43 12.3 -1.8

H1S2 WAKE ISLAND Hy 29.76 8 T 17 14 14.8

H1S3 WAKE ISLAND Hy 29.76 8 T 17 14 15.4

H1S1 WAKE ISLAND Hy 29.78 8 T 17 14 16.3

URZ Urewera 29.25 157 LR 16 53 37.2

ASAR Alice Springs 30.01 242 LR 16 54 10.8

GUMO Guam 30.27 324 LR 16 55 08.2

H1N1 WAKE ISLAND Hy 30.99 8 T 17 15 47.5

H1N2 WAKE ISLAND Hy 31.00 8 T 17 15 49.4

H1N3 WAKE ISLAND Hy 31.01 8 T 17 15 48.3

SIJI Sorong 32.78 286 LR 16 56 41.4

DAV Davao City (W) 41.08 295 LR 16 59 44.1

PPT Papeete 46.64 104 LR 17 03 09.2

PPT2 Papeete2 46.64 104 eLR 16 58 31.6

TAOE Nuku Hiva Isla 56.34 93 eLR 17 02 56.8

KSRS Korea Array 58.31 328 LR 17 10 37.7

VNDA Vanda 66.32 180 P 16 48 08.1 +2.5

VNDA Vanda 66.32 180 eP 16 48 08.2 +2.6

CMAR Chiang Mai Arr 69.37 295 P 16 48 24.6 -1.1

SONA Songino Array 76.99 325 eP 16 49 10.5 +0.2

SONA Songino Array 76.99 325 P 16 49 10.5 +0.2

SONM Sorong 76.99 325 LR 17 24 36.1

ILAR Eielson Array 84.64 19 P 16 49 49.2 -1.4

MK32 Makanchi Array 91.53 317 eP 16 50 24.3 +0.2

MKAR Makanchi Array 91.53 317 P 16 50 24.3 +0.2

PDA 22 16:39:03.6:1.1,39.14N,29.85W,h5km,MD3.5,ML3.2, Azores Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Lists seismic stations for the PDA event.

ISCJB 22 16:42:28.7:0.5,21.13S,0'03:69.0W,0.1,h129km,6km, mb4.0/3, Error ellipse: s-maj=16.6km s-min=4.7km az=4.8

GUC 22 16:42:29.1:0.7,21.11S,68.97W,h16km,9km,ML4.0

IDC 22 16:42:30.4:3.0,21.11S,68.61W,h116km,29km,mb3.7/4, mb1 3.6/6,mb1mx3.4/28,mbtmp4.0/6,MS3.0/1,Ms1 2.9/1, ms1mx2.4/24, Error ellipse: s-maj=43.6km s-min=20.1km az=104.0

ISC 22 16:42:29.4:0.8,21.11S,0'04:68.9W,0.1,h119km,8km, n21,r124/35,mb4.1/3,6C-5D,Chile-Bolivia border region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Lists seismic stations for the IDC event.

TAP 22 17:00:50.7:2.0,24'N,121.68E,h48km,1km,ML2.9,D JMA 22 17:00:53.1:0.2,22.27N,121.82E,h22km,M3.2

ISC 22 17:00:50.2:1.2,22.04N,0'05:121.70E,0'04,h21km,5km, n39,r082/65,Taiwan region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Lists seismic stations for the TAP event.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Jianshan, Ruisui, Hungye, Ta-pu, Nanshi, etc.

SJA 22 17:05:37.0±0.5, 30°41'S; 71°28'W, h12km, ML3.3, MW3.3

ISCJB 22 17:05:39.6±1.0, 30°43'S; 0°03'71.37W, 0.06, h20km, 8km

GUC 22 17:05:41.0±0.6, 30°54'S; 71°16'W, h36km, 3km, ML3.7

ISC 22 17:05:40.2±0.2, 30°52'S; 0°03'71.18W, 0.05, h3km, 15km

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Tololo Observa, Cerro Coronel, Combarbala, etc.

ISC 22 17:17:03.0±1.8, 0°55'S; 125°16'E, h0km, mb3.0/3,

s-maj=188.2km s-min=25.6km az=64.0, Southern Moluca Sea

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

ISCJB 22 17:45:27.6±0.7, 31°56'S; 0°03'69.43W, 0.05, h126km, 6km,

GUC 22 17:45:27.0±0.4, 31°55'S; 69°49'W, h130km, 18km, ML3.1

ISC 22 17:45:28.4±1.7, 31°56'S; 0°03'69.44W, 0.05,

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Leoncito, Zonda, Uspallata, Cerro Valdivia, etc.

ISC 22 17:45:41.5±5.6, 18°47'S; 175°04'W, h0km, mb4.3/4,

s-maj=253.9km s-min=55.9km az=147.0, Tonga Islands

CTA Charters Tower 36.52 261 P P 17 52 49.9 +0.9

WRA Warramunga Arr 47.68 260 P P 17 54 20.0 -0.1

ASAR Alice Springs 47.73 255 P P 17 54 20.1 -0.3

FITZ Fitzroy Crossi 56.09 260 P P 17 55 22.1 -0.8

BRTR Keskin Array B 147.42 317 PKPbc PKPbc 18 05 27.2 -0.6

NEIC 22 17:45:52.8±0.0, 0°0'0.0; 177°27'N; 94°15'W, h175km, MD4.1 (MEX), After MEX.

MEX 22 17:45:52.8±0.6, 17°27'N; 94°15'W, h175km, 9km, MD4.1, Chiapas

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TGIG, PCIG, HUIG, etc.

ISC 22 17:54:57.1±3.3, 5°94'S; 151°35'E, h0km, mb3.6/3,

s-maj=47.1km az=123.0, New Britain region

WRA Warramunga Arr 21.61 228 P P 17 59 47.6 -1.3

ASAR Alice Springs 24.34 222 P P 18 00 16.9 +0.1

FITZ Fitzroy Crossi 27.84 242 P P 18 00 49.7 +1.1

RAO Raoul Island 37.14 132 LR 18 14 38.3

KSR5 Korea Array 48.39 335 LR LR 18 24 04.8

TORD Torodi Arr. Bea 149.25 286 PKPbc PKPbc 18 14 48.0 -0.8

ISC 22 18:02:42.8±16.0, 18°35'S; 173°38'W, h227km, 2km, mb4.0/5,

ms1mx2.5/4.1, Error ellipse: s-maj=313.5km

s-min=155.0km az=79.0, Tonga Islands

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

GUC 22 18:10:03.7±0.5, 23°33'S; 67°38'W, h227km, 2km, ML3.9,

2C-12, Chile-Antarctica border region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like LVC, PB15, etc.

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

MEX 22 18:11:40.8±0.7, 18°51'N; 103°73'W, h18km, 20km, MD3.6, Near coast of Michoacan

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

ISC 22 18:20:57.1±0.7, 6°82'S; 155°38'E, h0km, mb4.1/11,

ISCJB 22 18:21:02.0±0.6, 6°88'S; 0°08'155.4E, 0.1, h50km,

NEIC 22 18:21:02.7±3.0, 6°86'S; 155°37'E, h37km, 27km, mb4.5/4,

ISC 22 18:21:04.2±0.6, 6°85'S; 0°1'155.4E, 0.1, h50km, n43,

ISlands region

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

WRA Warramunga Arr 24.20 235 P P 18 26 16.3 0.0

WRA Warramunga Arr 24.20 235 P P 18 26 16.3 0.0

SIJI Keskin Array B 147.42 317 PKPbc PKPbc 18 05 27.2 -0.6

ASAR Alice Springs 47.73 255 P P 17 54 20.1 -0.3

STKA Stephens Creek 28.02 206 P P 18 26 49.2 -1.4

FITZ Fitzroy Crossi 31.04 246 LR LR 18 39 18.1

BATI Baumata 31.51 262 LR LR 18 41 33.2

NONG Nongkai 57.16 297 P P 18 30 46.8 +0.4

UTTA Utatarid 59.36 295 P P 18 31 02.6 +0.8

PETK Petropavlovsk- 59.76 2 P P 18 31 03.9 +0.1

PHRA Phraep 59.91 296 P P 18 31 06.4 +0.9

LAMP Lampang 60.45 296 P P 18 31 10.4 +0.1

PAYA Payao 60.52 297 P P 18 31 10.5 +0.8

CMAR Chiang Mai Arr 61.05 295 P P 18 31 14.2 +0.9

CMMT Chiang Mai 61.16 296 P P 18 31 14.5 +0.4

CHTO Chiang Mai 61.16 296 eP P 18 31 14.2 +0.1

CHTO Chiang Mai 61.16 296 P P 18 31 14.6 +0.5

SONM Songino Array 69.41 327 P P 18 32 07.1 0.0

ODAN Odare 73.77 300 eP P 18 32 34.2 +0.3

RAMN Ramite 74.47 300 eP P 18 32 38.1 +0.1

JIRN Jiri 75.02 301 eP P 18 32 41.6 +0.2

GUN Gumba 75.35 301 eP P 18 32 43.4 +0.2

PKI Pulchoki 75.66 301 eP P 18 32 44.9 -0.1

PKIN Pulchoki 75.67 301 eP P 18 32 44.9 -0.1

KKN Kakani 75.83 301 eP P 18 32 45.9 +0.1

DMN Daman 75.93 301 eP P 18 32 46.6 +0.2

KOLN Koldanda 77.26 300 eP P 18 32 52.9 -1.0

DANN Dangsing 77.27 301 eP P 18 32 53.4 -0.7

PYUN Piuthan 77.86 301 eP P 18 32 56.6 -0.7

ILAR Eilsalo Array 83.10 21 P P 18 33 24.4 +0.1

GSPA South Pole Qui 83.13 180 eP P 18 33 25.7 +1.1

MKAR Makanchi Array 83.53 319 P P 18 33 26.1 -0.9

ZALV Zalesovo Beam 84.26 326 P P 18 33 29.3 -1.1

NVAR Nivara Array Bea 91.34 52 P P 18 34 05.7 +0.5

GERES Geres Array B 127.11 329 PKP PKP 18 40 03.6 +0.5

BDFB Brasilia 147.83 134 PKPbc PKPbc 18 40 43.4 -1.4

TORD Torodi Arr. Bea 153.33 286 PKP PKP 18 40 50.8 +0.5

TORD Torodi Arr. Bea 153.33 286 PKPbc PKPbc 18 40 57.6 -0.3

ISC 22 18:46:53.9, 39°31'N; 41°98'E, h5km, ML3.4/16

DDA 22 18:46:54.8, 39°33'N; 42°01'E, h7km, M3.5

ISC 22 18:46:54.6±1.3, 39°32'N; 0°02'41.98E, 0.02, h5km, 12km,

n41, c26114, Turkey

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

AGRB Hanur-Agry 0.83 72 PG P 18 47 10.8 -0.8

ECAT Cat-ERZURUM 0.83 291 iP P 18 47 13.4 -1.4

BNGB Bing'li 1.06 253 PG P 18 47 14.6 -0.9

BNGB Bing'li 1.06 253 SG P 18 47 13.2 -0.3

BNGB Bingol 1.07 252 iP P 18 47 15.0 -1.3

VEDI Van-Bingol 1.12 277 PG P 18 47 15.5 -1.0

SEKOL Senkaya-Erzuru 1.27 13 PN P 18 47 18.8 -0.3

SVAN Silvan-Diyarba 1.31 208 P P 18 47 20.0 +0.2

SVAN Silvan-Diyarba 1.31 208 iP P 18 47 20.3 +0.5

VANB Van 1.32 123 PN P 18 47 21.1 +1.3

Table with columns: ZALV, ILAR, BBB, NOA, SUJI, AKASG, WRA, ASAR. Includes station names like Monticello, Tignall, Sparta, NORSTAR Array B, Sorong, Malin Array B, Warramunga Arr, Alice Springs.

ISCJB 22 19:52:14.4, 1.7, 17.4S:0.6:178.6W:0.2, h547km, mb3.8/7, Error ellipse: s-maj=84.8km s-min=16.1km az=150.8

ISC 22 19:52:15.0, 1.5, 17.4S:0.5:178.5W:0.3, h547km, n9, a0591/9, mb4.1/7, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM, CTA, STKA, WRA, ASAR, ILAR, PDAR, TXAR, GERES.

ISC 22 19:53:00.7, 5.1, 6.54S:127.54E, h390km, mb3.0/2, mb1 3.0/5, mb1mx2.7/34, mbmtmp3.8/5, Error ellipse: s-maj=79.3km s-min=19.1km az=51.0, Banda Sea

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

ISCJB 22 19:59:52.4, 1.2, 17.6S:0.4:178.6W:0.2, h547km, mb3.7/9, Error ellipse: s-maj=54.8km s-min=16.5km az=152.1

ISC 22 19:59:52.9, 1.3, 17.6S:0.4:178.5W:0.2, h547km, n11, a1211/12, mb3.8/9, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM, CTA, STKA, WRA, ASAR, SUJI, ILAR, TXAR, PDAR, SONM, GERES.

ISC 22 20:05:46.0, 1.5, 3.49S:146.12E, h0km, mb3.8/7, mb1 4.1/9, mb1mx3.9/29, mbmtmp3.9/9, ML3.9/2, MS3.3/14, Ms1 3.3/14, ms1mx3.1/29, Error ellipse: s-maj=41.5km s-min=19.7km az=108.0

ISCJB 22 20:05:48.2, 1.0, 3.51S:0.9:146.1E:0.2, h25km, mb3.8/7, MS3.2/12, Error ellipse: s-maj=27.2km s-min=13.2km az=64.4

NEIC 22 20:05:51.2, 0.7, 3.52S:146.10E, h35km, mb4.6/1, Error ellipse: s-maj=17.1km s-min=8.6km az=90.0

ISC 22 20:05:49.9, 1.2, 3.5S:0.1:146.1E:0.2, h25km, n20, a045/11, mb3.8/7, MS3.2/12, Bismarck Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HNR, CTA, STKA, WRA, WRA, WRA, BATI, ASAR, FITZ, FITZ, DZM, STKA, JOW, KSRs, CMAR, CMAR, PETK, SONM, SONM, MKAR.

Table with columns: ZALV, ILAR, BBB. Includes station names Zalesovo Beam, Eielson Array, Bella.

ISCJB 22 20:24:0.6, 35.56N:0.05:140.05E:0.07, h82km, 4km, mb3.6/7, Error ellipse: s-maj=10.6km s-min=6.1km az=147.6

ISC 22 20:24:0.3, 4.1, 35.60N:140.30E, h67km, mb3.0/6, mb1 3.6/8, mb1mx3.3/39, mbmtmp3.8/8, ML3.6/1, Error ellipse: s-maj=53.5km s-min=7.3km az=96.0

JMA 22 20:20:25.3, 0.2, 35.69N:140.04E, h68km, 2km, M3.3, JMA Feil J1

ISC 22 20:26:0.0, 9.35S:59N:0.05:140.05E:0.07, h75km, 7km, n25, a135/27, mb3.9/7, 1C-4D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JCN, JOD2, BSO3, JAG, JIM2, JRY, JVN, JKT, MJAR, MJAR, MAT, MAT, JMH, JHT, JHJ, KSRs, SONM, H1N2, H1N1, H1N3, H1S1, H1S3, H1S2, ZALV, MKAR, WRA, ASAR, FINES, NOA.

ISC 22 20:31:22.0, 2.0, 12.15N:87.95W, h0km, mb4.3/13, mb1 4.6/15, mb1mx4.3/39, mbmtmp4.3/15, ML3.4/1, MS3.6/17, Ms1 3.6/17, ms1mx3.5/32, Error ellipse: s-maj=27.6km s-min=12.5km az=55.0

ISCJB 22 20:31:25.8, 0.3, 12.16N:0.04:88.06W:0.04, h35km, mb4.5/9, MS3.6/1, Error ellipse: s-maj=7.8km s-min=2.9km az=38.6

UCR 22 20:31:26.2, 1.4, 12.05N:88.14W, h37km, 958km, mb4.6(NEIC)

NEIC 22 20:31:28.3, 1.0, 12.18N:87.98W, h46km, 9km, mb4.6/22, Error ellipse: s-maj=15.1km s-min=6.1km az=48.0

ISC 22 20:31:27.5, 0.5, 12.10N:0.06:88.08W:0.06, h35km, n20, a1561/201, mb4.6/34, MS3.6/15, 2C, Off coast of central America

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LCND, LCND, LCND, LCY, VSM, TECA, COPN, COPN, MOMN, SNVI, XAVN, LFRS, MIGN, PAVA, PAVA, LBRS, MASN, LFIU, SNR, BOQS, MATN, CEVE, SBLS, BOAB, CONN, IXG, JTS, JTS, JTS, APG, APG, CMIG, MOTC, YOTC, HORQ, GUYC, SOTA, PCON, OTAV, OTAV, ROSC, ROSC, PRAC, MUC, RLOC, RLOC, 859A, SDV, HKT, 833A.

Table with columns: Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like 353A, 252A, 251A, 254A, 149A, 148A, LRAL, 155A, 155A, JCT, JCT, 253A, 254A, GOGA, GOGA, Y46A, Y51A, Y52A, Y53A, Y54A, X49A, X50B, TXAR, TXAR, TXAR, MIAR, MIAR, X39A, ABTX, W51A, W41B, W53A, W40A, W39A, V50A, V49A, KMCS, TKL, TKL, V42A, V41A, V40A, V39A, LPIG, U42A, U41A, U40A, WMOK, WMOK, U39A, TUL1, T47A, T46A, T45A, MNX, MNX, T40A, T39A, S37A, S38A, MSTX, S41A, AMTX, AMTX, S39A, S38A, NNA, 121A, 047A, ANMO, ANMO, ANMO, N46A, N46A, N48A, T25A, TUC, TUC, M49A, M39A, SSPA, SDCO, SDCO, L41A, L39A.

1051

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like PSI Prapat, MNSI Mandailing Nat, KRAB Krabi, etc.

CRNET 22:22:13:47.5:0.1, 41.74N:72.66E, h16km, mb3.5
SOME 22:22:13:48.4:1.78N:72.68E, h10km
NWC 22:22:13:48.3:0.6, 41.77N:72.65E, h0km, mb4.2, mpv3.8, Error ellipse: s-maj=5.4km s-min=3.1km az=70.0

Main table for 1051 with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like ARK Arkit, MNAS Manas, AML Almayashu, etc.

2012 OCT

Table for 2012 OCT with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like TAS Tashkent, ULHL Ulahol, DGS Degeres, etc.

PDA 22:22:44:04.8:0.7, 39.44N:29.78W, h15km, MD3.6, ML3.3, Error ellipse: s-maj=6.2km s-min=5.1km az=62.0, Azores Islands

Table for Azores Islands with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like PCED Cedros, CALA Caldeira, etc.

ISCJB 22:22:46:57.6:0.6, 23.84S:0.07x179.5E:0.1, h537km, mb2.0, Error ellipse: s-maj=15.1km s-min=9.5km az=6.8

IDC 22:22:47:01.7:2.3, 23.87S:179.32E, h562km, 25km, mb3.6/15, mb1.3/7.16, mb1mx3.5/34, mbtmp4.5/16, Error ellipse: s-maj=19.0km s-min=15.1km az=152.0

ISC 22:22:46:58.9:0.6, 23.97S:0.09x179.4E:0.1, h537km, n46, c1247/49, mb4.0/14, 1D, South of Fiji Islands

Table for South of Fiji Islands with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like DZM Dong Dumzang, AFI Afiatalu, etc.

22d 23h

Table for 22d 23h with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like CTA Charters Tower, STKA Stephens Creek, ASAR Alice Springs, etc.

GUC 22:22:55:10.7:0.6, 29.64S:71.71W, h77km, 5km, ML3.3, SJA 22:22:55:10.7:0.7, 29.06S:71.65W, h33km, 11km, ML3.0, MW3.6

ISC 22:22:55:08.9:3.7, 29.62S:0.04x71.8W:0.1, h11km, 25km, n16, c144/27, 1D, Near coast of central Chile

Table for Chile with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like GO04 Tololo Observa, LCO Las Campanas, etc.

BUI 22:23:05:05.5:5.00S:133.90E, h10km, mb4.7/32, mb5.0/26, Ms4.7/8, Ms7.4/6.6

IDC 22:23:05:05.0:0.7, 4.86S:133.90E, h0km, mb4.2/9, mb1.4/5.14, mb1mx3.5/32, mbtmp4.4/14, ML4.5/5, MS3.7/14, Ms1.3/7.14, mb1mx3.5/29, Error ellipse: s-maj=27.8km s-min=14.2km az=68.0

ISCJB 22:23:05:06.9:0.3, 5.00S:0.03x133.94E:0.04, h28km, mb4.6/24, MS3.8/12, Error ellipse: s-maj=5.6km s-min=4.1km az=172.7

NEIC 22:23:05:06.4:0.4, 4.95S:133.91E, h10km, mb4.7/12, Error ellipse: s-maj=9.4km s-min=4km az=82.0

DJA 22:23:05:06.7:0.2, 5.3S:133.4E, h10km, M4.9/12, mb5.1/12, mb5.3/6, ML4.9/10, Mw(mb)4.8/6

ISC 22:23:05:08.6:0.4, 5.04S:0.04x133.93E:0.05, h28km, n74, c250/80, mb4.8/24, MS3.8/13, 1C, Aru Islands region

Table for Aru Islands region with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like ARCO CERRO ARCO.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like KMPI, FAKI, RAU, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like KSH, KSH, ZALV, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like LREZ, KATZ, RITZ, etc.

Table with columns: RNF, KEV, KEV, eSG, Sb, 23 23 07.2 +0.1, 23 23 17.6 +1.2, 23 23 20.2

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

HEP 22 23:24:14.6, 67.83N, 20:31'E, h0km, ML1.6, Explosion

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

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Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: U42A, Revenden, 19.34, 16, P, P, 23 29 25.8 -0.2

Table with columns: T38A, Diamond, 19.39, 8, P, P, 23 29 25.9 -0.8

Table with columns: Z52A, Williamson, 19.42, 35, P, P, 23 29 27.7 +0.6

Table with columns: T39A, Clever, 19.52, 10, P, P, 23 29 27.5 -0.6

Table with columns: W47A, Westpoint, 19.56, 25, P, P, 23 29 28.3 -0.3

Table with columns: W40A, Mansfield, 19.80, 12, P, P, 23 29 31.2 0.0

Table with columns: V46A, Holladay, 1.84, 24, P, P, 23 29 30.6 -0.9

Table with columns: Z53A, Monticello, 19.96, 37, P, P, 23 29 32.5 -0.4

Table with columns: T42A, Van Buren, 20.02, 16, P, P, 23 29 33.4 -0.1

Table with columns: S38A, Stockton, 20.03, 9, P, P, 23 29 32.6 -1.0

Table with columns: GOGA, Godfrey, 20.12, 37, P, P, 23 29 34.0 -0.6

Table with columns: Y52A, Liburn, 20.12, 35, P, P, 23 29 34.2 -0.5

Table with columns: 155A, Kite, 20.15, 40, P, P, 23 29 34.8 -0.2

Table with columns: S39A, Bolivar, 20.18, 10, P, P, 23 29 34.9 -0.4

Table with columns: WWT, Waverly, 20.24, 24, P, P, 23 29 34.7 -1.1

Table with columns: T43A, Greenville, 20.28, 17, P, P, 23 29 36.3 -0.1

Table with columns: Y53A, Monroe, 20.38, 36, P, P, 23 29 36.6 -0.9

Table with columns: S41A, Jilco Farms, 20.39, 14, P, P, 23 29 37.5 0.0

Table with columns: S42A, Caledonia, 20.79, 16, P, P, 23 29 41.6 -0.3

Table with columns: S43A, Fulton Ridge, 20.80, 17, P, P, 23 29 40.8 -1.2

Table with columns: WRA, Warramunga Arr, 150.37, 241, PKPbc, PKPbc, 00 00 51.8 -0.2

SJA 22 23:56:35.2, 0.5, 27:90S, 66:71W, h188km, 3km, ML3.2, MW3.5

ISCJB 22 23:56:36.1, 0.5, 27:91S, 0:05, 66:71W, 0:10, h176km, 5km, mb3.6/2, Error ellipse: s-maj=15.1km s-min=5.3km

IDC 22 23:56:36.8, 4.4, 27:74S, 66:39W, h166km, 35km, mb3.6/2, mb1 3.4/4, mb1mx3.1/24, mbtmp3.7/4, MS3.3/1, Ms1 3.3/1, ms1mx2.5/29, Error ellipse: s-maj=44.4km s-min=32.7km

ISC 22 23:56:36.8, 0.8, 27:89S, 0:06, 66:69W, 0:09, h170km, 7km, n25, c1910/29, Catamarca Province

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

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Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

ISCJB 22 23:41:18.5, 0.5, 6:85N, 0:04, 73:12W, 0:04, h160km, 4km, mb3.3/4, Error ellipse: s-maj=6.4km s-min=5.3km

IDC 22 23:41:18.6, 0.7, 6:69N, 72:89W, h167km, 7km, mb3.1/4, mb1 3.6/7, mb1mx3.2/28, mbtmp3.9/7, Error ellipse: s-maj=21.9km s-min=7.9km az=134.0

RSNC 22 23:41:20.3, 0.7, 6:80N, 73:14W, h151km, 4km, ML3.8, Mw3.9

ISC 22 23:41:18.6, 0.8, 6:84N, 0:04, 73:10W, 0:04, h160km, 6km, n22, c093/36, mb3.2/4, Northern Colombia

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

IDC 23 00:06:24.3, 2.0, 20:21N, 77:14W, h0km, mb3.4/4, mb1 3.8/4, mb1mx3.5/40, mbtmp3.4/4, MS3.1/7, Ms1 3.0/7, ms1mx2.8/26, Error ellipse: s-maj=56.8km s-min=50.1km

ISCJB 23 00:06:25.9, 0.9, 19:54N, 0:06, 77:94W, 0:10, h10km, mb3.3/4, MS3.0/6, Error ellipse: s-maj=14.3km s-min=6.8km az=152.8

JSN 23 00:06:29.4, 1.4, 19:44N, 77:93W, h10km, 7km, MD3.7

ISC 23 00:06:26.5, 0.9, 19:51N, 0:07, 77:93W, 0:09, h10km, n21, c1915/17, mb3.1/4, MS3.0/6, 2C-4D, Cuba region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

MEX 23 00:07:51.6, 1.0, 16:23N, 98:50W, h10km, MD3.6, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

MEX 23 00:09:49.6, 0.6, 16:89N, 100:32W, h1km, MD3.4, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

MOS 23 00:11:52.9, 2.4, 53:36N, 142:49E, h12km, mb4.3/1, Error ellipse: s-maj=24.5km s-min=14.6km az=83.3

MOS felt (II) at Okha, Moskalvo, h10km, mb4.4/4

SKHL Felt (II) at Okha, Moskalvo, h10km, mb4.4/4

IDC 23 00:12:38.1, 1.8, 56:18N, 131:89E, h0km, mb3.3/3, mb1 3.5/4, mb1mx3.2/38, mbtmp3.3/4, ML2.9/1, MS2.4/1, Ms1 2.4/1, ms1mx2.1/19, Error ellipse: s-maj=39.8km

23d Oh

s-min=34.4km az=125.0
ISC 23 00:11:56.6+1.0, 53.32N, 0.04, 142.75E, 0.04, h16km, 8km,
n19, c213/21, 2D, Sakhalin Island

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Rows include stations like OKH, OKK, GRNR, EKMR, KLR, YUK, etc.

SJA 23 00:19:15.8+0.5, 34.92S, 72.91W, h70km, 6km, ML3.2,
MW3.6
GUC 23 00:19:24.5+0.7, 34.96S, 71.78W, h52km, 6km, ML3.6
ISC/B 23 00:19:25.2+1.7, 34.25S, 0.1, 71.9W, 0.2, h46km, 15km,
Error ellipse: s-maj=24.0km s-min=16.6km az=35.8

ISC 23 00:19:26.0+1.6, 34.74S, 0.08, 72.0W, 0.1, h30km, 14km,
n14, c1879/24, Near coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Rows include stations like GO05, LMEL, CLCH, PEL, etc.

ISC/B 23 00:21:10.5+0.3, 14.24N, 0.04, 89.85W, 0.04, h264km, 2km,
mb4, 1/49, Error ellipse: s-maj=7.9km s-min=4.9km
az=38.8

NEIC 23 00:21:11.6+0.4, 14.27N, 89.82W, h255km, 3km, mb4.5/60,
Error ellipse: s-maj=7.9km s-min=5.0km az=49.0
IDC 23 00:21:11.0+0.7, 14.35N, 89.72W, h248km, 4km, mb3.6/13,
mb1.3/8/16, mb1mx3.6/35, mbtmp4.2/16, Error ellipse:
s-maj=22.1km s-min=11.4km az=46.0

UCR 23 00:21:14.0+1.8, 14.21N, 89.78W, h228km, 7km, ML3.6,
mb4.5(NEIC)

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Rows include stations like RTR, SNUJ, MTO3, etc.

2012 OCT

Main table with columns: SNET, Serv, Est, Az, Phase ID, Op, ISC, Time, Res, ISC. Rows include stations like Serv, Est, Az, Phase ID, Op, ISC, Time, Res, ISC.

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Table with columns: SDV, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Rows include stations like SDV, Santo Domingo, UCARC, etc.

Table with columns: ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like U45A Rockin P Farm, U43A Rector, U42A Reventon, etc.

Table with columns: ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like P51A Williamsport, R58B Mineral, O45A Potomac, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like RSSD Black Hills, E45A Wooded Hills, FMP Fort Macarthur, etc.

ADC 23 00:33:58.1 ± 1.3, 51.65N, 96.21E, h0km, mb3.7/4, m1 3.6/8, mb1mx3.4/49, mbrpt3.6/8, ML2.8/4, MS2.2/1, Ms1 2.2/1, ms1mx2.2/43, Error ellipse: s-maj=28.3km s-min=16.8km az=177.0

MOS 23 00:33:59.8 ± 4.5, 51.90N, 96.15E, h10km, mb4.2/3, Error ellipse: s-maj=8.4km s-min=6.8km az=14.0

ASRS 00:33:59.2 ± 5.1, 51.75N, 95.91E, h15km, Ms3.4/2 ISRC 23 00:34:01.1 ± 0.7, 51.137N, 0106.9610E, h10km, n47, c=240/49, mb3.7/4, 2D, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like TDJR Todzha, KZLR Kyzyl, KZLR Kungurtug, etc.

WMQ	comp=Z,520nm,5.7s	LR	LR						
WMQ	comp=Z,550nm,8.3s	LR	LR						
ZAAO	Zalesovo Array	41.30 310	eP	P	00 44 51.1 +0.1				
ZALV	Zalesovo Beam	41.30 310	P	P	00 44 51.1 +0.1				
ZALV	comp=Z,14nm,0.6s,baz=87,slow=7.6,SNR=58			PcP	00 46 48.7 -0.5				
ZALV	comp=Z,4.4nm,0.8s,baz=75,slow=1.9,SNR=4.5								
ZALV	comp=Z,278nm,19.8s,baz=70,slow=37				01 02 44.5				
NRIK	Nori'sk	41.54 334	P	P	00 44 52.8 0.0				
NRIK	comp=Z,1.9nm,0.3s,baz=331,slow=24,SNR=6.1			LR	01 03 26.2				
NVS	Novosibirsk	42.15 312	eP	P	00 44 57.8 -0.2				
NVS	comp=E,7.0nm,0.8s			pmax					
NVS	comp=Z,9.0nm,0.8s			pmax					
PAYA	Payao	42.36 254	P	P	00 45 07.4 +7.3				
PHRA	Phrae	42.62 253	P	P	00 45 02.4 +0.1				
CHAI	Chaiyaphum	43.01 249	P	P	00 45 05.3 -0.1				
LAMP	Lampang	43.05 254	P	P	00 45 06.4 +0.7				
PBKT	Sadao Pong	43.31 250	eP	P	00 45 08.1 +0.3				
PBKT	Sadao Pong	43.31 250	P	P	00 45 08.1 +0.3				
CMMT	Chiang Mai	43.38 255	P	P	00 45 08.5 +0.1				
CHTO	Chiang Mai	43.38 255	eP	P	00 45 08.4 0.0				
CHTO	Chiang Mai	43.38 255	eP	P	00 45 08.4 0.0				
CHTO	comp=Z,11nm,0.9s			pmax					
CHTO	Chiang Mai	43.38 255	P	P	00 45 08.6 +0.2				
LSA	Lhasa	43.48 273	eP	P	00 45 10.7 +1.0				
CMAR	Chiang Mai Arr	43.60 254	P	P	00 45 10.6 +0.4				
CMAR	comp=Z,5.9nm,0.9s,baz=48,slow=6.4,SNR=29			LR	01 05 04.6				
CMAR	comp=Z,186nm,18.0s,baz=57,slow=38			LR					
IM3	Indian Mountai	43.66 32	eP	P	00 45 12.4 +2.3				
SUKH	Sukhothai	43.70 252	P	P	00 45 11.6 +0.6				
MK01	Makanchi Array	44.03 300	eP	P	00 45 13.1 -0.3				
MAK2	Makanchi Array	44.03 300	P	P	00 45 13.2 -0.2				
MAKZ	Makanchi	44.23 300	eP	P	00 45 15.0 0.0				
MAKZ	Makanchi	44.23 300	eP	P	00 45 15.0 0.0				
SRAK	Srakaw	44.24 247	P	P	00 45 12.9 -2.4				
UMPA	Umpang Tak	45.09 252	P	P	00 45 24.5 +2.4				
KURK	Kurchatov	45.52 306	eP	P	00 45 27.4 -0.4				
KURK	Kurchatov	45.52 306	P	P	00 45 25.6 +0.5				
KURB	Kurchatov Arra	45.60 306	P	P	00 45 25.6 -0.2				
MDM	Murphy Dome	45.93 33	eP	P	00 45 30.1 +1.9				
ILAR	Eielson Array	46.51 34	eP	P	00 45 33.6 +1.0				
ILB	Eielson Array	46.51 34	eP	P	00 45 34.1 +1.4				
ILC	Eielson Array	46.51 34	eP	P	00 45 33.3 +0.6				
PDGK	Podgornyye	46.90 296	P	P	00 45 35.0 -1.2				
ODAN	Odare	47.75 272	eP	P	00 45 43.2 0.0				
PRZ	Przheval'sk	47.93 296	eP	P	00 45 45.6 +1.3				
PRZ	Przheval'sk	47.93 296	eP	P	00 45 45.6 +1.3				
JIRN	Jiri	48.28 274	eP	P	00 45 47.7 +0.3				
RAMN	Ramite	48.31 273	eP	P	00 45 47.5 -0.1				
GUN	Gumba	48.39 274	eP	P	00 45 48.4 +0.1				
KKN	Kakani	48.91 275	eP	P	00 45 52.2 +0.1				
PKI	Pulchok	48.92 274	eP	P	00 45 52.0 -0.3				
PKIN	Pulchok	48.93 274	eP	P	00 45 52.0 -0.3				
DMN	Daman	49.14 274	eP	P	00 45 53.9 0.0				
TKM2	Tokmak 2	49.72 297	P	P	00 45 58.8 +0.7				
DANN	Dangsing	49.81 276	eP	P	00 45 59.5 +0.4				
BVA0	Borovoye Array	49.94 311	iP	P	00 45 58.9 -0.4				
BVA0	Borovoye Array	49.94 311	iP	P	00 45 58.9 -0.4				
BVAR	Borovoye Array	49.94 311	P	P	00 45 59.5 +0.2				
NRN	Naryn	49.97 295	eP	P	00 46 00.7 +0.5				
BRVK	Borovoye	49.99 311	eP	P	00 45 59.9 +0.2				
BRVK	Borovoye	49.99 311	eP	P	00 47 21.9 +2.4				
BRVK	Borovoye	49.99 311	eP	P	00 45 59.8 +0.1				
OTUK	Ortuy	50.12 305	P	P	00 46 00.3 -0.5				
OTUK	Ortuy	50.12 305	P	P	00 46 00.3 -0.5				
KOLN	Koldchok	50.22 275	eP	P	00 46 02.1 0.0				
KBK	Karagaybulak	50.26 297	P	P	00 46 02.7 +0.5				
KZA	Kyzart	50.26 296	P	P	00 46 03.5 +1.1				
KRAB	Krabi	50.27 244	P	P	00 46 03.6 +1.4				
CHMS	Chumysh	50.27 297	P	P	00 46 02.2 +0.1				
USP	Ospenovka	50.35 298	P	P	00 46 02.6 0.0				
FRU	Bishkek	50.42 297	eP	P	00 46 02.0 -1.2				
FRU	Bishkek	50.42 297	eP	P	00 46 02.0 -1.2				
PYUN	Piuthan	50.52 276	eP	P	00 46 04.4 0.0				
AAK	Ala-Archa	50.58 297	P	P	00 46 04.3 -0.2				
AAK	Ala-Archa	50.58 297	P	P	00 46 04.3 -0.7				
KSH	Kashi	50.72 293	P	P	00 46 09.9 +4.3				
KSH	Kashi	50.72 293	P	P	00 47 25.9 +3.2				
KSH	Kashi	50.72 293	P	P	00 53 23.5 +4.1				
KSH	Kashi	50.72 293	P	P	00 56 56.1 +2.5				
KSH	comp=Z,32nm,0.8s			pmax					
KSH	comp=Z,180nm,5.1s			pmax					
KSH	comp=Z,490nm,12.9s			LR					
KSH	comp=Z,510nm,12.9s			LR					
EKS2	Erkin-Say	51.06 297	P	P	00 46 08.2 0.0				
AML	Almayushu	51.32 297	P	P	00 46 10.9 +0.5				
HYT	Haines Juncto	51.33 38	eP	P	00 46 13.2 +3.3				
MNAS	Mianas	52.00 298	P	P	00 46 14.7 -0.5				
MNAS	Mianas	52.00 298	P	P	00 46 14.7 -0.5				
SFK	Sufi-Kurgan	52.27 294	P	P	00 46 17.2 -0.1				
SFK	Sufi-Kurgan	52.27 294	P	P	00 46 17.2 -0.1				
KK31	Karatay Array	53.12 299	eP	P	00 46 23.0 -0.3				
KK31	Karatay Array	53.12 299	eP	P	00 46 23.0 -0.3				
KKAR	Karatay Array	53.12 299	eP	P	00 46 23.0 -0.3				

KKAR	Karatay Array	53.12 299	eP	P	00 46 23.0 -0.3				
SVE	Sverdlovsk	54.18 318	eP	P	00 46 31.5 +0.7				
SVE	comp=Z,34nm,1.0s			MLR					
NIL	Nilore	55.22 287	eP	P	00 46 39.0 +0.2				
NIL	Nilore	55.22 287	eP	P	00 46 39.0 +0.2				
ARU	Arti	55.40 318	eP	P	00 46 40.2 +0.6				
ARU	comp=Z,5.4nm,1.0s			SS	00 47 40.4				
ARU	Arti	55.40 318	eP	P	00 48 43.2				
ARU	comp=Z,62nm,1.7s			MLR					
AB31	Akbulak array	57.40 309	P	P	00 46 53.7 -0.3				
AB31	comp=Z,13nm,0.6s			pmax					
ABKAR	Akbulak array	57.40 309	eP	P	00 46 54.0 -0.1				
AKTO	Aktyubinsk	58.04 311	P	P	00 46 58.1 -0.4				
PRGR	Permogore	59.39 327	eP	P	00 47 07.3 -0.4				
PRGR	Permogore	59.39 327	eP	P	00 47 14.6 -1.1				
RES	Resolute Bay	59.70 15	eP	P	00 47 10.3 +0.6				
RES	Resolute Bay	59.70 15	eP	P	00 47 10.3 +0.6				
RES	Resolute Bay	59.70 15	eP	P	00 47 10.3 +0.6				
HYB	Hyderabad	59.75 268	iP	P	00 47 11.0 +0.1				
WRAB	Tennant Creek	59.85 190	eP	P	00 47 10.8 -0.5				
WRAB	Tennant Creek	59.85 190	eP	P	00 47 13.1 +0.7				
WRAB	comp=Z,15nm,1.3s			pmax					
WB2	Warramunga Arr	59.86 190	eP	P	00 47 11.1 -0.3				
WRA	Warramunga Arr	59.86 190	eP	P	00 47 10.5 -0.9				
ARCES	ARCCESS Array B	62.07 339	P	P	00 47 25.2 -0.6				
DAG	Danmarks Havn	63.30 355	iP	P	00 47 34.1 +0.2				
DAG	Danmarks Havn	63.30 355	iP	P	00 47 34.1 +0.2				
DAG	Danmarks Havn	63.30 355	iP	P	00 47 34.1 +0.2				
ASAR	Altee Springs	63.59 190	P	P	00 47 36.1 -0.4				
GEYT	Alibek	63.87 299	P	P	00 47 37.5 -0.8				
GEYT	comp=Z,5.2nm,0.9s,baz=328,slow=2.3,SNR=16			LR	01 16 59.2				
JOE	Joensuu	64.35 332	P	P	00 47 41.3 +0.3				
JOE	Joensuu	64.35 332	P	P	00 47 41.3 +0.3				
DZM	Mont Dzumac	65.10 156	eP	P	00 47 47.9 +1.5				
DZM	Mont Dzumac	65.10 156	eP	P	00 47 47.9 +1.5				
DZM	Mont Dzumac	65.10 156	eP	P	00 47 47.9 +1.5				
MOS	Moscow	66.03 323	eP	P	00 47 51.4 -0.6				
MOS	comp=Z,25nm,1.1s			MLR					
MOS	comp=Z,400nm,17.0s			MLR					
MOS	comp=N,200nm,16.0s			MLR					
VRH	Vokhopyovsk	66.63 318	eP	P	00 47 55.5 -0.5				
VRH	Vokhopyovsk	66.63 318	eP	P	00 48 02.8 -1.3				
VRH	Vokhopyovsk	66.63 318	eP	P	00 48 02.8 -1.3				
OBN	Obninsk	66.89 323	iP	P	00 47 57.3 -0.2				
OBN	Obninsk	66.89 323	iP	P	00 48 03.9				
OBN	Obninsk	66.89 323	iP	P	00 48 27.0				
OBN	Obninsk	66.89 323	iP	P	00 50 21.0				
OBN	comp=Z,30nm,1.5s			MLR					
OBN	Obninsk	66.89 323	iP	P	00 47 57.3 -0.2				
OBN	Obninsk	66.89 323	iP	P	00 48 03.9				
OBN	Obninsk	66.89 323	iP	P	00 48 27.0				
OBN	Obninsk	66.89 323	iP	P	00 50 21.0				
OBN	comp=Z,30nm,1.5s			MLR					
OBN	Obninsk	66.89 323	iP	P	00 47 57.3 -0.2				
OBN	Obninsk	66.89 323	iP	P	00 48 03.9				
OBN	Obninsk	66.89 323	iP	P	00 48 27.0				
OBN	Obninsk	66.89 323	iP	P	00 50 21.0				
OBN	comp=Z,30nm,1.5s			MLR					
OBN	Obninsk	66.89 323	iP	P	00 47 57.3 -0.2				
OBN	Obninsk	66.89 323	iP	P	00 48 03.9				
OBN	Obninsk	66.89 323	iP	P	00 48 27.0				
OBN	Obninsk	66.89 323	iP	P	00 50 21.0				
OBN	comp=Z,30nm,1.5s			MLR					
OBN	Obninsk	66.89 323	iP	P	00 47 57.3 -0.2				
OBN	Obninsk								

23d 2h

ATE	Arette	10.80	54	P	Pn	02 18 15.5 +4.0
ATE	comp=N,1.5nm,0.3s,SNR=7.9				S	02 20 11.0 -1.4
ETSF	Etsaut	10.80	55	ePn	Pn	02 18 14.5 +2.9
ETSF	comp=N,1.0nm,0.3s				eS	02 20 12.3 -0.3
ETSF	Etsaut	10.80	55	P	Pn	02 18 14.5 +2.9
ETSF	comp=N,0.9nm,0.3s				eS	02 20 12.3 -0.3
EPF	Esparrós	11.45	56	ePn	Pn	02 18 24.4 +4.0
EPF	comp=N,1.5nm,0.4s				eS	02 20 26.8 -1.6
EPF	Esparrós	11.45	56	P	Pn	02 18 24.4 +4.0
EPF	comp=N,0.8nm,0.4s				S	02 20 26.8 -1.6
CSOR	Sort	11.72	60	P	Pn	02 18 27.3 +3.1
CFON	Fonmartina	12.45	64	P	Pn	02 18 37.1 +3.1
CFON	comp=N,0.6nm,0.2s,SNR=7.9					

CNRM 23 02:16:18.1,36°91N;12:64W,h11km
MDD 23 02:16:19.4,1.8,37°28N;12:72W,h0km,mb4.2/11,Error
ellipse: s-maj=15.7km s-min=10.7km az=59.0,PRXIMO
LDG 23 02:16:21.0,0.5,37°25N;12:88W,h20km,M3.4/3,Error
ellipse: s-maj=7.8km s-min=6.9km az=54.0
INMG 23 02:16:21.2,1.4,37°12N;13:10W,h10km,ML2.7,Error
ellipse: s-maj=8.4km s-min=6.6km az=33.0
ISC 23 02:16:20.5,3.4,37°38N;0:09:12.6W,0.2,h10km,n71,
c190/108,Azores-Cape St. Vincent Ridge

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
PFVI	Vila Bisbo	3.01	93	Op	02 17 43.2	-1.0
PFVI	comp=N,0.4s			eS	02 17 50.9	
PFVI	Vila Bisbo	3.01	93	S	02 17 43.6	-0.7
PFVI	comp=N,0.2s,SNR=7.9			A		
PMST	Lisbon-Monsan	3.01	62	eS	02 17 45.5	+1.2
PMST	24nm,0.6s			A	02 17 48.3	
PMAFR	Maфра	3.04	58	ePn	02 17 47.1	+2.0
PMAFR	32nm,0.5s			A	02 17 55.0	
PMAFR	Maфра	3.04	58	S	02 17 46.6	+1.5
PMAFR	14nm,0.1s,SNR=7.9			A		
PTEO	Sao Teotônio	3.08	86	eS	02 17 46.5	+0.6
PTEO	7.8nm,0.1s			A	02 17 53.7	
PTEO	Sao Teotônio	3.08	86	S	02 17 46.5	+0.6
PTEO	3.9nm,0.1s			A		
MORF	Marmelete	3.13	90	eS	02 17 49.4	+1.9
MORF	10nm,0.4s			A	02 17 53.4	
MORF	Marmelete	3.13	90	S	02 17 49.4	+1.9
MORF	10nm,0.4s			A		
MESJ	Messejana	3.50	81	ePn	02 17 16.2	+1.3
MESJ	5.7nm,0.4s			eS	02 17 55.5	-0.8
MESJ	Messejana	3.50	81	P	02 17 16.2	+1.3
MESJ	5.7nm,0.4s			S	02 17 55.5	-0.8
MESJ	Messejana	3.50	81	S	02 17 15.8	+0.9
MESJ	5.7nm,0.3s			A	02 17 16.4	
MESJ	Messejana	3.50	81	eS	02 17 15.8	+0.9
MESJ	5.7nm,0.3s			A	02 17 16.4	
ALMR	Almeirim	3.62	59	eS	02 18 01.0	+1.7
ALMR	34nm,0.3s			A	02 18 07.4	
ALMR	Almeirim	3.62	59	eS	02 18 00.8	+1.5
ALMR	17nm,0.3s			S	02 18 01.0	+1.7
PBDV	Barranco-do-Ve	3.71	91	ePn	02 17 18.8	+0.9
PBDV	7.0nm,0.4s			eS	02 18 01.6	-0.1
PBDV	Barranco-do-Ve	3.71	91	P	02 17 18.8	+0.9
PBDV	7.0nm,0.4s			S	02 18 01.6	-0.1
EVO	Evora	3.79	71	ePn	02 17 22.3	+3.3
EVO	8.9nm,0.3s			eS	02 18 05.8	+2.2
EVO	Evora	3.79	71	P	02 17 22.3	+3.3
EVO	8.9nm,0.3s			S	02 18 05.8	+2.2
EVO	Evora	3.79	71	eP	02 17 22.1	+3.2
EVO	8.9nm,0.3s			eS	02 18 04.8	+1.2
PBEJ	Beja	3.80	79	ePn	02 17 20.9	+1.9
PBEJ	7.8nm,0.3s			eS	02 18 04.7	+1.0
PBEJ	Beja	3.80	79	P	02 17 20.9	+1.9
PBEJ	7.8nm,0.3s			S	02 18 04.7	+1.0
PVAQ	Vaqueiros	3.88	88	ePn	02 17 20.5	+0.4
PVAQ	3.9nm,0.3s			eS	02 18 05.8	+0.1
PVAQ	Vaqueiros	3.88	88	P	02 17 20.5	+0.4
PVAQ	3.9nm,0.3s			S	02 18 05.8	+0.1
PVAQ	Vaqueiros	3.88	88	P	02 17 20.5	+0.4
PVAQ	7.6nm,0.2s			S	02 18 05.8	+0.1
PVAQ	Vaqueiros	3.88	88	P	02 17 20.0	-0.1
PVAQ	7.6nm,0.2s			S	02 18 05.6	-0.1
PVAQ	Vaqueiros	3.88	88	P	02 17 22.7	+1.4
PVAQ	7.6nm,0.2s			S	02 18 09.4	+1.5
PTOM	Tomar	3.96	54	P	02 17 22.7	+1.4
PTOM	8.9nm,0.3s			S	02 18 09.4	+1.5
EGRO	Ei Granado	4.06	86	P	02 17 22.9	+0.3
EGRO	5.9nm,0.3s,SNR=7.9			S	02 18 09.1	-1.1
PCAS	Casmilo, Conde	4.17	49	ePn	02 17 25.4	+1.3
PCAS	6.3nm,0.2s,SNR=7.9			eS	02 18 13.9	+1.1
PCAS	Casmilo, Conde	4.17	49	P	02 17 25.4	+1.3
PCAS	6.3nm,0.2s,SNR=7.9			S	02 18 13.9	+1.1
PESTR	Estremoz	4.21	68	ePn	02 17 25.7	+1.0
PESTR	6.1nm,0.6s			eS	02 17 35.1	+0.4
PESTR	Estremoz	4.21	68	P	02 17 25.7	+1.0
PESTR	6.1nm,0.6s			S	02 17 35.1	+0.4
EBAD	Badajoz	4.61	71	P	02 17 30.1	0.0
EBAD	2.6nm,0.2s,SNR=7.9			S	02 18 22.7	-1.0
PCBR	Castelo Branco	4.70	57	ePn	02 17 32.8	+1.4
PCBR	5.1nm,0.7s			eS	02 18 32.8	
PCBR	Castelo Branco	4.70	57	P	02 17 32.8	+1.4
PCBR	5.1nm,0.7s			S	02 18 32.8	
EMIN	Mina Concepcio	4.71	83	P	02 17 31.5	-0.1
EMIN	1.7nm,0.2s,SNR=7.9			S	02 18 24.2	-2.1
PVIS	Beja	4.94	46	ePn	02 17 35.9	+1.1
PVIS	1.1nm,0.2s,SNR=7.9			eS	02 18 31.6	-0.5
PVIS	Beja	4.94	46	P	02 17 35.9	+1.1
PVIS	1.1nm,0.2s,SNR=7.9			S	02 18 31.6	-0.5
PVIS	Viseu	4.94	46	P	02 17 35.9	+1.1
PVIS	5.6nm,0.4s			S	02 18 31.6	-0.5
MTE	Manteigas	4.96	51	ePn	02 17 36.5	+1.5
MTE	2.8nm,0.4s			eS	02 18 33.0	+0.6
MTE	Manteigas	4.96	51	P	02 17 36.5	+1.5
MTE	2.8nm,0.4s			S	02 18 33.0	+0.6
POLO	Lamas de Olo	5.45	41	ePn	02 17 43.5	+1.7
POLO	1.3nm,0.4s			eS	02 18 48.1	
POLO	Lamas de Olo	5.45	41	P	02 17 43.5	+1.7
POLO	1.3nm,0.4s			S	02 18 48.1	
PGAV	Gaveira, Arco	5.66	35	ePn	02 17 46.3	+1.5
PGAV	3.5nm,1.1s			eS	02 18 48.5	-1.4
PGAV	Gaveira, Arco	5.66	35	P	02 17 46.3	+1.5
PGAV	3.5nm,1.1s			S	02 18 48.5	-1.4
ELOB	Lobios	5.68	36	P	02 17 45.3	+0.3
ELOB	2.6nm,0.5s,SNR=7.9					

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ELOB	0.7nm,0.1s			S	02 18 48.9	-1.5
ECAB	Ei Cabril	5.72	81	P	02 17 45.5	0.0
ECAB	2.2nm,0.1s,SNR=7.9			S	02 18 49.5	-1.8
MVO	Moncorvo	5.73	47	ePn	02 17 46.4	+0.7
MVO	4.2nm,0.2s			eS	02 18 50.7	-0.9
MVO	Moncorvo	5.73	47	P	02 17 46.0	+0.3
MVO	4.2nm,0.2s,SNR=6.4			A	02 18 54.4	
EPLA	Placencia	5.75	60	P	02 17 46.2	+0.3
EPLA	3.2nm,0.3s,SNR=7.9			S	02 18 51.3	-0.7
HORN	Hornachuelos	5.83	83	P	02 17 47.6	+0.5
HORN	6.3nm,0.2s,SNR=7.9			S	02 18 49.8	-1.8
HORN	Hornachuelos	5.83	83	S	02 17 47.6	+0.5
EMAZ	Mazarcos	6.21	25	S	02 18 55.3	+1.3
EMAZ	1.0nm,0.1s,SNR=7.9			S	02 18 58.6	-4.8

PBRG	PBRG	6.32	44	ePn	02 17 54.5	+0.8
PBRG	2.0nm,0.5s			eS	02 19 04.5	-1.4
PBRG	PBRG	6.32	44	P	02 17 54.5	+0.8
PBRG	2.0nm,0.5s			S	02 19 04.5	-1.4
EADA	Adanuz	6.39	80	P	02 17 54.4	-0.3
EADA	2.5nm,0.2s,SNR=7.9			S	02 19 06.6	-1.1
ECAL	Calabor	6.41	43	P	02 17 56.0	+0.9
ECAL	1.2nm,0.2s,SNR=7.9			S	02 19 05.7	-2.6
EAGO	Agolada(Pontev)	6.42	31	P	02 17 56.3	+1.2
EAGO	1.4nm,0.2s,SNR=7.9			S	02 19 03.6	-4.9
PAB	San Pablo	6.81	69	P	02 18 01.6	+1.1
PAB	1.0nm,0.5s			S	02 18 05.2	+0.2
ESDC	Seneca Array	7.14	69	P	02 18 05.2	+0.2
ESDC	7.4nm,0.1s,baz=254,slow=13,SNR=9.0			S	02 19 19.6	-1.1
OUK	Oukaimeden	7.28	146	S	02 19 19.6	-1.1
OUK	7.28 146 S			Pn	02 19 04.5	-6.4
OUK	Oukaimeden	7.28	146	S	02 19 19.6	-1.1
OUK	7.28 146 S			Pn	02 19 19.6	-1.1
QES	Quesada	7.56	84	P	02 18 10.4	-0.5
QES	0.6nm,0.1s,SNR=7.9			S	02 18 09.7	-6.6
MDT	Midelt	7.96	123	P	02 18 09.7	-6.6
MDT	7.96 123 P			Pn	02 18 04.5	-6.4
SJPF	Ste Jean	10.40	53	ePn	02 18 50.9	+1.3
SJPF	0.6nm,0.2s			eS	02 20 42.3	-3.9
SJPF	Ste Jean	10.40	53	P	02 18 50.9	+1.3
SJPF	0.6nm,0.2s			S	02 20 42.3	-3.9
ETSF	Etsaut	10.73	55	ePn	02 18 55.0	+0.8
ETSF	0.3nm,0.2s			eS	02 20 50.2	-4.1
ETSF	Etsaut	10.73	55	P	02 18 55.0	+0.8
ETSF	0.3nm,0.2s			S	02 20 50.2	-4.1
EPF	Esparrós	11.38	56	ePn	02 19 04.5	+1.4
EPF	1.2nm,0.3s			eS	02 21 05.7	-4.5
EPF	Esparrós	11.38	56	P	02 19 04.5	+1.4
EPF	1.2nm,0.3s			S	02 21 05.7	-4.5

MEX 23 02:18:02.4,0.4,16°51N;95°24W,h56km,7km,MD3.6,
Oaxaca
Code Station Name Δ° AZ° Phase ID Time Res
h m s ISC
CMIG Matias Romero 0.67 31 i P
CMIG Huatulco 1.11 229 eP
HUIG Huatulco 1.11 229 eP
HUIG Huatulco 1.11 229 eP
TGIG Pinotepa 2.05 82 eS
PNIG Pinotepa 2.77 268 eP

IGIL 23 02:20:50.4,37°23N;12:77W,h1km,ML1.8
MDD 23 02:2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PVIS, Viseu, MTE, Manteigas, etc.

SJA 23 02:35:29.6±0.4, 24°18'Sx67°19'W, h194km±5km, ML2.5, MW2.9
ISCJB 23 02:35:31.1±1.1, 24°18'Sx0°05:67°30'W, 0.04, h167km±15km, Error ellipse: s-maj=8.3km s-min=4.5km az=32.0

GUC 23 02:35:33.0±2.5, 23°06'Sx67°00'W, h233km±12km, ML4.0
ISC 23 02:35:32.3±2.5, 24°18'Sx0°05:67°25'W, 0.05, h195km±27km, n15, e1942/28, Chile-Argentina border

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like HJA, AZAP, FSA, etc.

MEX 23 02:55:25.4±1.5, 16°35'N-97°29'W, h10km±19km, MD3.6, Oaxaca

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PNIG, VHO, TLIG, etc.

ISCJB 23 03:45:35.0±0.3, 43°44'N-0°05:134°37'E, h450km, mb3.5/16, Error ellipse: s-maj=7.1km s-min=4.9km az=18.8
IDC 23 03:45:36.1±0.8, 43°53'N-134°10'E, h432km±9km, mb3.2/16, mb1 3.4/22, mb1mx3.3/34, mbtmp4.0/22, Error ellipse: s-maj=12.7km s-min=10.0km az=76.0

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like USRK, JHST, KJB, etc.

IDC 23 04:14:01.9±2.4, 35°44'N-70°87'E, h0km, mb4.0/6, mb1 4.1/4, mb1mx3.7/42, mbtmp4.0/9, ML3.9, Error ellipse: s-maj=53.0km s-min=27.0km az=136.0
ISCJB 23 04:14:15.4±0.5, 36°07'N-0°03:70°61'E, h100km, mb3.7/5, Error ellipse: s-maj=6.8km s-min=3.9km az=155.5

NEIC 23 04:14:19.8±0.6, 36°29'N-70°72'E, h102km±8km, mb4.2/2, Error ellipse: s-maj=9.9km s-min=7.7km az=113.0
NCC 23 04:14:22.4±2.8, 36°48'N-70°65'E, h166km±42km, mb3.6, mpv4.4, Error ellipse: s-maj=30.9km s-min=20.0km az=69.0

ISC 23 04:14:18.0±0.7, 36°21'N-0°05:70°75'E, h100km, n52, e199/64, mb3.8/5, 5C-8D, Hindu Kush region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KBL, NLF, SFK, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TKM2, MDOk, PYUN, etc.

SOME 23 04:19:24.9, 40°62'N-76°83'E, h10km
KRNET 23 04:19:24.0±1.4, 40°56'N-76°83'E, h14km, mb2.6
ISC 23 04:19:23.0±1.8, 40°53'N-0°06:76°76'E, 0.04, h6km±13km, n26, e093/52, 12C-8D, Kyrgyzstan-Xinjiang border

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like NNR, ULHL, KZA, etc.

23d 4h

Table with columns: SHLS, CHKK, CHKK, KUU, KUU, ARXS, ARXS. Includes station names, codes, and coordinates.

ISC/JB 23 04:23:39.2,0.6,50.23N,0.04,19.22E,0.04,h0km,Error ellipse: s-maj=5.7km s-min=3.0km az=16.0

Main table for 23d 4h section with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists various stations like OJC, OJC, OJC, etc.

ISC/JB 23 04:34:60.0,0.5,41.70N,0.02,46.41E,0.03,h6km,4km, Error ellipse: s-maj=4.0km s-min=3.2km az=162.3

Main table for 23d 4h section with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists various stations like LGD, LGD, DDFL, etc.

ISC/JB 23 04:36:07.3,0.4,24.69S,0.03,179.84E,0.04,h507km,5km, mb4.78, Error ellipse: s-maj=5.7km s-min=4.5km az=39.4

Main table for 23d 4h section with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists various stations like WEL, NEIC, KUZ, etc.

2012 OCT

Table for 2012 OCT section with columns: GROC, GROC, GROC, KZRT, KZRT, etc. Includes station names and coordinates.

ISC/JB 23 04:35:55.2,1.2,2.5N,0.1,128.78E,0.09,h33km,mb3.9/3, Error ellipse: s-maj=19.8km s-min=7.9km az=34.3

Main table for 2012 OCT section with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists various stations like TINTI, TINTI, TINTI, etc.

ISC/JB 23 04:36:07.3,0.4,24.69S,0.03,179.84E,0.04,h507km,5km, mb4.78, Error ellipse: s-maj=5.7km s-min=4.5km az=39.4

Main table for 2012 OCT section with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists various stations like RIZ, RIZ, RIZ, etc.

1062

Main table for 1062 section with columns: RTZ, SNGZ, MTHZ, etc. Lists various stations and their coordinates.

Table with columns: Station Name, Frequency, Power, and other parameters. Includes stations like BNDI, SWI, SBA, VNSA, etc.

Table with columns: Station Name, Frequency, Power, and other parameters. Includes stations like Q24A, SONAO, MK32, etc.

Table with columns: Station Name, Frequency, Power, and other parameters. Includes stations like RDO, THAS, SMTH, etc.

23d 7h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MJAR, YHNB, KRSR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like STKA, UMPA, CMAR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CALA, PCAN, ROSA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PCED, CALA, PCAN, etc.

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

2012 OCT

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BATI, MMRI, EDFI, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MAJO, MJAR, TAPN, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WMQ, NML, MK01, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TOA1, TORI, etc.

1064

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KURK, MK31, etc.

ISCJB 23 06:50:26.1±0.4, 18:23N:0:05:146:61E:0.10, h66km, mb4.2/2, Error ellipse: s-maj=13.5km s-min=7.1km az=8.9

NEIC 23 06:50:27.9±1.1, 18:19N:146:61E, h66km±10km, mb4.4/7, Error ellipse: s-maj=6.9km s-min=6.0km az=90.0

ISC 23 06:50:27.9±0.7, 18:19N:0:08:146:6E:0.2, h66km±15, ±0.92/41, mb4.2/2, Mariana Islands

SARN Sarigan 1.67 203 Op Pn 06 50 53.9 +1.3 ANA2 Anatahan 2.02 205 ePn Pn 06 51 00.9 +1.1 GUMO Guam 4.87 200 LR LR 06 53 28.3

JOW Kunigami 18.97 300 LR LR 07 00 59.9 H1S3 WAKE ISLAND Hy 19.08 86 T T 07 04 55.1 H1S1 WAKE ISLAND Hy 19.09 86 T T 07 04 05.7

MJAR Matsushiro Arr 19.72 340 P P 06 54 52.7 +0.6 MAJO Matsushiro 19.72 340 P P 06 55 49.6 +2.0 KRSR Korea Array 25.23 323 P P 06 55 49.6 +2.0

CMAR Chiang Mai Arr 39.76 198 eP P 06 57 53.0 +0.6 WRA Warramunga Arr 39.76 198 P P 07 00 00.4 +0.6 WRA Warramunga Arr 39.76 198 P P 07 00 00.4 +0.6

ASAR Alice Springs 43.41 197 P P 06 58 24.7 +0.5 SONA0 Songino Array 44.07 321 eP P 06 58 29.7 +0.2 SONM Songino Array 44.07 321 eP P 06 58 29.7 +0.2

CMAR Chiang Mai Arr 45.13 278 LR LR 07 16 24.6 STKA Stephens Creek 50.01 186 P P 06 59 15.8 +0.2 ZALV Zalesovo Beam 58.93 323 P P 07 00 19.8 -0.4

ZALV Zalesovo Beam 58.93 323 P P 07 00 19.8 -0.4 ZALV Zalesovo Beam 58.93 323 P P 07 00 19.8 -0.4 ZALV Zalesovo Beam 58.93 323 P P 07 00 19.8 -0.4

SUA Susitna One 61.20 29 eP P 07 00 34.2 -1.5 BPAW Bear Paw Mtn. 61.83 26 eP P 07 00 40.1 +0.3 MLY Manley 62.21 25 eP P 07 00 42.5 +0.2

ILAR Eielson Array 63.72 26 eP P 07 00 51.0 -1.4 ILB Eielson Array 63.72 26 eP P 07 00 50.5 -1.9 DOT Dot Lake 64.70 28 eP P 07 00 59.0 +0.2

KRAR 23 05:41:35.0±0.2, 53:95N:91:36E, M3.0, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014)

Code Station Name Az AzZ Phase ID Time Res ISC. Includes stations like ZAA0, ZAA1, etc.

MEX 23 07:16:02.8±1.1, 16:45N:98:64W, h16km±16km, MD3.5, coast of New Guinea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PNIG Pinotepa, TLIG Tiapa, CAIG El Cayaco, MEIG Mezcala, VHO Vista Hermosa.

ISCJB 23 07:45:50.6:0.8,40:32N:012:124.71W:0.06,h28km,5km, Error ellipse: s-maj=7.5km s-min=3.5km az=173.0

NEIC 23 07:45:52.1:0.0,40:30N:124.53W,h9km,MW3.7(BRK), After NCCDC.

NEIC Felt at Eureka. ISC 23 07:45:51.1:1.5,40:32N:012:124.71W:0.08,h20km,5km, n66,e154/81,Near coast of northern California

Main station list for 1065, including KCTM Capetown, JCC Jacoby Creek, KMRM Mail Ridge, KHM Horse Mountain, KHM Kattenpomp Peak, KCPM Canto Peak, KCPM Farley Peak, KCPM Three Chop Rid, KCPM Red Mountain, KCPM Rackout Spring, KCPM Mt. Diablo Mer, KCPM Hamilton Openi, KCPM Trinity Center, KCPM Whiskeytown Da, KCPM Callahan, KCPM Hopland Field, KCPM Bosley Butte, KCPM Mount Konoctai, KCPM Cave Junction, KCPM Yreka Blue Hor, KCPM Geysers, KCPM Fort Ross, KCPM Gray Butte, KCPM Paynes Creek, KCPM Williamette Mer, KCPM Edson Butte, KCPM Orville, KCPM Marconi Conter, KCPM Butte Creek Ri, KCPM Macdoel, KCPM Klamath Falls, KCPM Hull Mountain, KCPM Myrtle Point, KCPM San Bruno Moun, KCPM Forest Hills D, KCPM Chiloquin, OR, KCPM Beckworth, KCPM Modoc Plateau, KCPM Summer Lake, KCPM Tendick Farm, KCPM Fort Rock, OR, KCPM Virginia City, KCPM Columbia Colle, KCPM Pine Nut, KCPM Pah Rah Range, KCPM San Andreas Ge, KCPM Yerington, KCPM Pine Mountain, KCPM Johnson Canyon, KCPM Big Mountain B, KCPM Detroit Lake, KCPM Wild Horse Val, KCPM Ryan, KCPM Monarch Peak, KCPM Kaiserville, KCPM Mina Array Sit, KCPM Circle Bar Ran, KCPM Antelope Grade, KCPM Isabella, Lake, KCPM Darwin (Calif), KCPM Blue Mountains, KCPM Goldstone, Bar, KCPM Pinyon Flats O, KCPM Pison Flat, KCPM Boulder Array, KCPM Saucer Basin.

ISC 23 07:48:11.6:999.0,51.78N:113.46E,h0km, Error ellipse: s-maj=761.9km s-min=208.4km az=103.0, East of Lake Baykal

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like 145RU USSURIYSK INFR 14.51 114 i, 130JP ISUMI INFRASO 25.29 120 i, 144RU PETROPAVLOVSK26.69 170 i.

ISC 23 08:03:19.4:999.0,38.69N:2.31W,h0km, Error ellipse: s-maj=404.1km s-min=206.0km az=78.0, Spain

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like 148TN KESRA INFRASO10.09 103 i, 126DE FREYUNG INFRAS15.64 4 i, 143RU DUBNA INFRASO18.82 42 i.

SOME 23 08:03:29.6,44.68N:82.07E,h10km NNC 23 08:03:31.9:2.5,44.79N:81.93E,h0km,mb3.6,mpv3.1, Error ellipse: s-maj=48.4km s-min=13.0km az=113.0

ISC 23 08:03:27.1:2.0,44.56N:82.07E,h4km,az=113.0,h1km,15km,n17, e152/83,2C-6D,Northern Xinjiang

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KTM5 Ketmen, KTM5 7.7km,0.2s.

Main station list for 2012 OCT, including DJR Jarkent, MKJ1 Makanchi Array, MK31 Makanchi, MAKZ Makanchi, KAPS Kaparassan, PDGK Podgomoye, SHLS Shalkode, SHLS Karatobe, UZB Uzunbulak, UZB Kokpek, KPKS Kokpek, MNBS Baschi, MNBS Karatobe, SATY Saty, SATY Chushulka, CHKK Karatobe, KOTS Kutyrbulak, KOTS Karatobe, KTBS Karatobe, TNSS Tm-Shan, TNSS Karatobe, KUU Kurty, KUU Karatobe, DGS Degeres, DGS Karatobe.

ISC 23 08:48:02.6:1.1,35.11N:76.70E,h0km,mb3.8/5, mb1 4.0/7,mb1mx3.758,mbtmp3.9/7,ML3.5/2,MS4.2/1, Ms1 4.2/1,ms1mx2.9/53, Error ellipse: s-maj=31.1km s-min=21.7km az=47.0

ISCJB 23 08:48:03.2:0.4,35.30N:0103:77.35E:0.05,h10km, mb3.7/4,MS4.1/1, Error ellipse: s-maj=6.7km s-min=3.6km az=144.6

BUI 23 08:48:07.3:2.5,48N:77.26E,h8km,mb4.2/1,ML4.3/5 NNC 23 08:48:09.3:7.2,35.71N:77.45E,h0km,mb4.3,mpv4.0, Error ellipse: s-maj=71.5km s-min=57.0km az=128.0

ISC 23 08:48:06.0:0.6,35.32N:0105:77.32E:0.07,h10km,n30, e208/37,mb3.9/4,2C-3D,Eastern Kashmir

Main station list for 2012 OCT, including CHCP Chirah Chowk, KSH Kashi, KSH comp=N,850nm,1.0s, CEP Cherat, CEP Thamme Wali, AAK Ala-Archa, AAK 10nm,0.8s, AAK 35nm,0.8s, TKM2 Tokmak 2, TKM2 7.4nm,0.6s, TKM2 50nm,1.1s, PYUN Piuthan, DANN Danging, DANN 39nm,0.6s, KOLN Koldanda, KOLN 38nm,0.7s, KKN Kakan, DMN Daman, PKIN Pulchokli, PKI Pulchoki, GUN Gumba, JIRN Jiri, RAMN Ramite, RAMN Urumchi, WMO Urumchi, TAPN Taplejung, MK31 Makanchi Array, MKAR Makanchi Array, MKAR 0.4nm,0.3s,baz=202,slow=22,SNR=6.4, ODAN Odare, BVAR Boveys Array, AB31 Akbulak array, ZALV Zalesovo Beam, AKTO Aktyubinsk, SONM Songino Array, CMAR Chiang Mai Arr, PALK Palkeleke, TORD Tori Ar. Bea, WRA Waramungga Arr.

NIED 23 08:53:00.29:00N:139.70E,h460km,Mw5.8 Best double couple: M5.650000:1017 NP13:36.4,000000, s39.000000, lambda-164.000000. NP2:36.322.000000, s80.000000, lambda-52.000000.

JMA 23 08:53:36.1:0.2,28:98N:139.68E,h468km,3km,M5.9 JMA Felt II J1.

MOS 23 08:53:37.2:0.7,29:04N:139:27E,h438km,mb5.7/157, Error ellipse: s-maj=5.9km s-min=3.6km az=106.7

ISCJB 23 08:53:38.6:0.2,29:04N:0101:139:27E:0.01, h451km,1km,mb5.7/591, Error ellipse: s-maj=2.3km s-min=1.8km az=159.8

BUI 23 08:53:38.0,29:03N:139:21E,h444km,mb6.1/93, mb5.9/58

NEIC 23 08:53:38.0:0.0,29:16N:139:38E,h460km,Moment Tensor Solution. s33 Moment tensor: Scale 10717Nm; M1-0.93; M2-3.76; M3-2.83; M4-2.68; M5-2.61; M6-6.57; Best double couple: M8.300000:1017 NP13:36.333.000000, s86.000000, lambda-59.000000. NP2:36.69.000000, s31.000000, lambda-173.000000. Principal axes: T 8.0200, Plg34.0000, Azm37.0000; N 0.5000, Plg30.0000; Azm150.0000; P 8.5200, Plg40.0000; Azm271.0000.

NEIC 23 08:53:38.2:0.1,29:06N:139:25E,h436km,mb6.0/293, ME5.4,MW5.9,MW6.0,MW5.9 Error ellipse: s-maj=2.1km s-min=1.6km az=139.0 Best double couple: NP1: s36.000000, s87.000000, lambda-66.000000. NP2:36.72.000000, s24.000000, lambda-173.000000. Principal axes: T 1.0700, Plg38.0000; Azm44.0000; N -0.0500, Plg24.0000; Azm154.0000; P -1.0200, Plg43.0000; Azm269.0000; Broadband fault plane solution: P waves. NP1: s74.000000, s30.000000, lambda-170.000000. NP2: s35.000000, s85.000000, lambda-60.000000. Principal axes: T 1.0700, Plg38.0000; Azm44.0000; N -0.0500, Plg24.0000; Azm154.0000; P -1.0200, Plg43.0000; Azm269.0000; Depth from broadband displacement seismograms. Energy computed from BB mechanism.

NEIC Recorded [2 JMA] in the Chichijima-retto and Hahajima-retto.

ISC 23 08:53:39.0:0.5,29:06N:139:29E,h443km,4km,mb5.2/45, mb1 5.3/51,mb1mx5.2/57,mbtmp6.0/51 Error ellipse: s-maj=7.2km s-min=4.7km az=88.0

GCMT 23 08:53:40.2:0.1,29:07N:0101:139:19E:0.01, h443km, s59.9/134, Moment Tensor Solution. s134, c277, s98, c118. Duration: 2s. Moment tensor: M1-1.15; M2-4.37; M3-3.21; M4-2.83; M5-6.94; Best double couple: M9.200000:1017 NP13:33.000000, s86.000000, lambda-59.000000. NP2:36.67.000000, s31.000000, lambda-172.000000. Principal axes: T 9.2300, Plg34.0000, Azm34.0000; N -0.0200, Plg31.0000; Azm147.0000; P -9.2100, Plg41.0000; Azm268.0000.

ISC 23 08:53:38.0:0.2,29:07N:0102:139:28E:0.03,h446km,2km, h446km,pp-P,1866,e153/2169,mb5.8/603,70C-137D, Southeast of Honshu

Main station list for 23d 8h, including CBJI Chichi jima, JHHJ Haha-jima-NKT, JHHJ Hachiojijimakas, JHHJ Mitsune, JHHJ Mitsune, JHHJ Hachio jima 2, JHHJ 658nm,0.3s,baz=298,slow=18,SNR=161, TOTO TANAKAI O.B.S, JIE Ise, BSO1 Boso 1, JJA Atsuta, JWY Kouya, MRT2 Muromotomaki 2, JOD2 Odawara 2, JAI Aioi, JMN Monobe, JNU Inuyama, JTO Tosashimizu, JTO Kubokawa, JRY Ryogasaki san, JRY Tanbara, JAD Aida, JGN Niukaw, JNAR Kushima-Naru, JSKE Saikkamae, JTN Tanegashima 3, JHHC Hitachi, JMNT Minamitane, MJAR Matsushiro Arr, MJAR 64nm,0.3s,baz=176,slow=12,SNR=392, MAJO Matushiro, MAJO Matushiro, MAJO Matushiro, MAT Matushiro, MAT Matushiro, MJB Matsu-Tunnel, JTSR Tashiro 2, JUS Usuki, JFO Yonaizu, JYAK Yakushimahirau, JKR Kurayoshi, JMZ Minamidaito 2, JMS Saijyo, JKI Kunimi, JZO Okuchi, JNN Nakanoshima, JNU Nakatsue, JNU 55nm,0.3s,baz=112,slow=4.5,SNR=564, JNU Nakatsue, JHK Hikimi, JHT Hata, JTA Tamana, JFT Otama, JHD Honda, JSD Shimokoshihiki, JSJ Itaya, JOI OKI, JTAJ Takarajima, NGSJ Nagasakiomozu, JAMN Yamaminishikomozu, JIRN Ureshino, JAW Awa shima, JFU Fukue jima 2, JYK Kaneyama, JOW Kunigami, JOW 246nm,0.3s,baz=117,slow=8.4,SNR=141, JOW 0.5nm,0.3s,baz=121,slow=2.6,SNR=6.5, JOW Kunigami, JOW Kunigami, JMK Ichinoseki, JMT Tsubishi, JTB Toshi-shima, JRG Rokugo, JOM Ohasama, MIYJ Miyukonagasawa, JKZ Kuzumaki, JTH Tanohata.

23D 8h

Table with columns for station name, frequency, power, and other technical details. Includes stations like KJKE, JANG, JIWI, JTM, etc.

2012 OCT

Table with columns for station name, frequency, power, and other technical details. Includes stations like Yuzh-Sakhalins, Changchun, Quanzhou, etc.

1066

Table with columns for station name, frequency, power, and other technical details. Includes stations like XAN, BTO, WAKE, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like KMI Kunming, MRSI Marisa, SANI Sanana, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like CM01 Chiang Mai Arr, KSM Kuching, UTHA Uthaitani, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like MK01 Makanchi Array, MK31 Makanchi Array, MKAR Makanchi Array, etc.

23d 8h

Table with columns: Station, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like BMO, J08A, ERZN, etc.

2012 OCT

Table with columns: Station, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like ILULI, BOZ, KIS, etc.

1070

Table with columns: Station, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like TIRR, TPNV, REDW, etc.

23d 8h

EYMN	Ely	comp=Z,176nm,1.1s	90.83	31	P	P	09 05 53.4	-0.1
RETA	Reutto	baz=317,SNR=27	90.83	328	/PcP	P	09 05 53.1	-0.5
ANX	Ano Chora	comp=Z,23nm,1.0s,SNR=13	90.86	316	P	P	09 05 52.7	-1.2
TRIZ	Trizonia	90.91	316	P	P	09 05 52.0	-2.0	
BCLA	Clavier	90.99	333	↑P	P	09 05 53.7	-0.5	
GUR	Gours	comp=Z,16nm,1.6s	91.01	315	P	P	09 05 51.5	-3.2
IDI	Anoyia	91.02	312	↑P	P	09 05 53.7	-1.0	
LAZ	Ladron	91.02	49	eP	P	09 05 55.7	+0.8	
KSCO	Kaye Shedlock	91.04	43	eP	P	09 05 54.6	-0.2	
KSCO	Kaye Shedlock	comp=Z,175nm,1.2s	91.04	43	P	P	09 05 55.0	+0.1
LAKA	Lakka	91.05	316	P	P	09 05 53.2	-1.5	
KLK	Kalavyra, Ach	91.06	315	P	P	09 05 52.5	-2.3	
T25A	Trinidad	91.12	46	eP	P	09 05 55.9	+0.6	
T25A	Trinidad	comp=Z,238nm,1.0s	91.12	46	P	P	09 05 56.1	+0.7
ANMO	Albuquerque	baz=308,SNR=93	91.14	49	eP	P	09 05 56.1	+0.6
ANMO	Albuquerque	comp=Z,16nm,0.8s	91.14	49	iP	P	09 05 56.2	+0.7
ANMO	Albuquerque	comp=Z,260nm,0.9s	91.14	49	P	P	09 05 56.4	+0.9
LBWR	Ladybowyer, Pea	91.16	338	eP	P	09 05 54.9	0.0	
LBWR	Ladybowyer, Pea	comp=Z,42nm,1.0s	91.16	338	eP	IAMB	09 05 54.9	0.0
FETA	Feichten	comp=Z,25nm,1.1s,SNR=18	91.19	328	/PcP	P	09 05 54.6	-0.7
IGT	Igoumenitsa	91.22	317	P	P	09 05 54.2	-1.2	
WLF	Walferdange	91.23	332	↑P	P	09 05 55.0	-0.2	
WLF	Walferdange	91.23	332	eP	P	09 05 55.1	-0.2	
WLF	Walferdange	comp=Z,64nm,1.4s	91.23	332	P	P	09 05 55.3	0.0
LENM	Lenmitar	91.27	49	eP	P	09 05 56.7	+0.6	
PDO	Prodromos	91.30	316	P	P	09 05 54.6	-1.3	
BFO	Black Forest	91.31	330	eP	P	09 05 55.0	-0.7	
BFO	Black Forest	comp=Z,52nm,1.2s	91.31	330	iP	P	09 05 55.3	-0.4
ECSD	EROS Data Cent	91.31	37	eP	P	09 05 55.8	-0.1	
ECSD	EROS Data Cent	comp=Z,124nm,1.0s	91.31	37	eP	P	09 05 55.8	-0.1
ECSD	EROS Data Cent	baz=314	91.31	37	P	P	09 05 55.8	-0.1
SNF	Senefte	91.33	333	↑P	P	09 05 55.4	-0.3	
319A	Douglas	91.34	53	eP	P	09 05 57.3	+1.0	
VLX	VLachokerasia	91.34	315	P	P	09 05 53.4	-2.8	
Y22D	IRIS PASSCAL I	91.35	49	P	P	09 05 57.6	+1.2	
DAVA	Damuels	91.39	328	/PcP	P	09 05 55.8	-0.5	
DAVA	Damuels	comp=Z,43nm,0.9s,SNR=22	91.39	328	P	P	09 05 55.8	-0.5
LPM	Los Pinos Mount	91.41	49	eP	P	09 05 57.2	+0.5	
KEK	Kenira	91.42	318	P	P	09 05 55.3	-1.1	
GIVF	Givet	91.44	333	eP	P	09 05 55.3	-0.9	
RLS	Riolos of Patr	91.47	316	P	P	09 05 55.9	-0.7	
HSG	HSG	91.50	56	eP	P	09 05 57.6	+0.7	
LKD2	Lefkada island	91.50	317	P	P	09 05 55.6	-1.2	
SRIG	Santa Rosalia	91.50	58	eP	P	09 05 57.5	+0.5	
BNM	Barren Site	91.51	49	eP	P	09 05 57.9	+0.7	
DOU	Dourbes	91.53	333	↑P	P	09 05 55.9	-0.8	
CWF	Charnwood Fore	91.58	337	eP	P	09 05 56.6	-0.2	
CWF	Charnwood Fore	comp=Z,131nm,1.0s	91.58	337	eP	IAMB	09 05 56.6	-0.2
EVGI	Evros	comp=Z,27nm,0.9s	91.61	317	P	P	09 05 56.2	-1.1
AMT	Artemida-Makis	91.66	315	P	P	09 05 56.3	-1.2	
SLE	Scheitheim	91.66	329	P	P	09 05 56.8	-0.6	
121A	Cookes Peak, D	91.69	51	P	P	09 05 59.3	+1.2	
FUORH	Ofenrohr Furn	91.70	328	eP	P	09 05 57.5	-0.4	
CDF	Champ du Feu	91.71	330	eP	P	09 05 56.6	-1.1	
CDF	Champ du Feu	comp=Z,24nm,0.7s	91.72	333	eP	P	09 05 56.7	-0.8
BAIF	Baives	91.72	333	eP	P	09 05 56.7	-0.8	
BAIF	Baives	comp=Z,14nm,1.1s	91.74	315	eP	P	09 05 56.4	-1.6
ITM	Ithomi	comp=Z,273nm,1.6s	91.74	315	P	P	09 05 56.2	-1.7
ITM	Ithomi	91.75	314	P	P	09 05 56.4	-1.6	
DYR	Agios Nikola	91.75	314	P	P	09 05 56.3	-1.7	
FSK	Fiskardo	91.77	316	P	P	09 05 57.0	-0.9	
E38A	The Farm, Brul	91.78	32	P	P	09 05 57.6	-0.3	
E38A	The Farm, Brul	comp=Z,18nm,0.8s	91.78	32	P	P	09 05 57.6	-0.3
C40A	Isle Royale Na	91.90	30	eP	P	09 05 58.4	0.0	
C40A	Isle Royale Na	comp=Z,115nm,1.3s	91.91	330	eP	P	09 05 57.6	-0.9
ECH	Echery	91.91	330	eP	P	09 05 57.6	-0.9	
ECH	Echery	comp=Z,21nm,1.0s	91.91	330	eP	P	09 05 57.6	-0.9
F37A	Hinrichs Farm	91.92	33	P	P	09 05 58.5	-0.1	
F37A	Hinrichs Farm	comp=Z,21nm,1.0s	91.92	33	P	P	09 05 58.5	-0.1
PYL	PYLOS	92.03	315	P	P	09 05 56.6	-2.7	
BGNE	Belgrade	92.07	39	eP	P	09 05 58.8	-0.6	
BGNE	Belgrade	comp=Z,305nm,0.8s	92.07	39	eP	P	09 05 58.8	-0.6
BGNE	Belgrade	baz=312,SNR=54	92.07	39	P	P	09 05 59.0	-0.4
F38A	Pierce - Schro	92.11	33	P	P	09 05 59.6	+0.2	
F38A	Pierce - Schro	comp=Z,17nm,SNR=40	92.11	33	P	P	09 05 59.6	+0.2
YLL	Llanberis	92.17	339	eP	P	09 05 58.9	-0.6	
SPMN	Marine on St.	92.19	34	P	P	09 05 59.8	0.0	
SPMN	Marine on St.	comp=Z,103nm,0.8s	92.19	34	P	P	09 05 59.8	0.0
YRC	Rhoscolyn	92.20	339	eP	P	09 05 59.4	-0.3	
TUE	Stuetta	92.24	328	eP	P	09 05 59.6	-0.6	
HINF	Hinterfeld	92.35	330	eP	P	09 05 59.1	-1.4	
HINF	Hinterfeld	comp=Z,102nm,1.7s	92.35	330	eP	P	09 05 59.1	-1.4
E39A	Mellen	92.42	32	P	P	09 06 00.5	-0.3	
E39A	Mellen	comp=Z,15nm,0.9s	92.42	32	P	P	09 06 00.5	-0.3
F39A	Loretta	92.59	32	P	P	09 06 01.5	-0.2	
F39A	Loretta	baz=318,SNR=17	92.59	32	P	P	09 06 01.5	-0.2
E40A	Wakfield	92.67	32	P	P	09 06 02.4	+0.4	
E40A	Wakfield	comp=Z,318,SNR=15	92.67	32	P	P	09 06 02.4	+0.4
G38A	Ridgeland	92.69	33	P	P	09 06 01.7	-0.4	
G38A	Ridgeland	baz=319,SNR=33	92.69	33	P	P	09 06 01.7	-0.4
D41A	Chassel	92.81	30	eP	P	09 06 02.6	0.0	
D41A	Chassel	comp=Z,83nm,0.8s	92.81	30	eP	P	09 06 02.6	0.0
D41A	Chassel	92.81	30	P	P	09 06 02.8	+0.2	
H38A	Maiden Rock	92.85	34	P	P	09 06 02.9	+0.1	
H38A	Maiden Rock	baz=320,SNR=7.4	92.85	34	P	P	09 06 02.9	+0.1
CBKS	Cedar Bluff	92.89	42	eP	P	09 06 02.7	-0.5	
CBKS	Cedar Bluff	comp=Z,100nm,0.8s	92.89	42	eP	P	09 06 02.7	-0.5
CBKS	Cedar Bluff	92.89	42	eP	P	09 06 02.7	-0.5	
CBKS	Cedar Bluff	comp=Z,100nm,0.8s	92.89	42	eP	P	09 06 02.7	-0.5
CBKS	Cedar Bluff	92.89	42	P	P	09 06 02.7	-0.5	
G39A	Holcombe	92.94	33	P	P	09 06 03.0	-0.2	
F40A	Park Falls	92.96	32	P	P	09 06 03.1	-0.3	
EPT	El Paso	93.02	51	eP	P	09 06 04.4	+0.4	
E41A	Kenton	93.08	31	P	P	09 06 03.8	-0.1	
E41A	Kenton	comp=Z,79nm,1.0s	93.08	31	P	P	09 06 03.8	-0.1
AQU	L'Aquila	93.20	323	P	P	09 06 03.7	-0.9	
K36A	Gillmore City	93.20	323	P	P	09 06 04.7	+0.1	
SENIN	Lac Senin/Sane	93.26	329	eP	P	09 06 03.9	-1.1	
SENIN	Lac Senin/Sane	comp=Z,12nm,0.9s	93.26	329	eP	P	09 06 03.9	-1.1
COWI	Conover	93.28	31	eP	P	09 06 04.5	-0.4	
COWI	Conover	comp=Z,34nm,0.9s	93.28	31	eP	P	09 06 04.5	-0.4
H39A	Augusta	93.33	33	P	P	09 06 05.0	-0.1	
H39A	Augusta	baz=318,SNR=28	93.33	33	P	P	09 06 05.0	-0.1
G40A	Rib Lake	93.41	33	eP	P	09 06 05.2	-0.1	
G40A	Rib Lake	comp=Z,85nm,0.8s	93.41	33	eP	P	09 06 05.2	-0.1
G40A	Rib Lake	93.41	33	P	P	09 06 05.3	-0.1	
G40A	Rib Lake	baz=318,SNR=27	93.41	33	P	P	09 06 05.3	-0.1
SCHO	Schefferville	93.47	15	P	P	09 06 05.5	0.0	
SCHO	Schefferville	comp=Z,42nm,0.9s, baz=342,slow=5.4,SNR=16	93.47	15	P	P	09 06 05.5	0.0
SCHO	Schefferville	93.47	15	eP	P	09 06 05.5	0.0	

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CUC	Castrocco	comp=Z,54nm,0.9s	93.52	320	eP	P	09 06 04.7	-1.4
CUC	Castrocco	comp=Z,12nm,0.9s	93.52	320	eP	P	09 06 04.7	-1.4
TIP	Timpagrande	93.54	319	eP	P	09 06 05.9	-0.4	
TIP	Timpagrande	comp=Z,51nm,1.3s	93.54	319	iP	P	09 06 05.8	-0.4
TIP	Timpagrande	93.54	319	P	P	09 06 05.5	-0.7	
K37A	Belmond	93.54	36	P	P	09 06 06.0	-0.1	
F41A	Three Lakes	93.57	32	eP	P	09 06 06.1	0.0	
F41A	Three Lakes	comp=Z,47nm,0.8s	93.57	32	eP	P	09 06 06.1	0.0
F41A	Three Lakes	baz=319,SNR=13	93.57	32	P	P	09 06 06.0	-0.1
E42A	Champion	93.58	31	P	P	09 06 06.1	0.0	
E42A	Champion	comp=Z,320,SNR=6.5	93.58	31	P	P	09 06 06.1	0.0
CABF	La Chapelle	93.61	330	eP	P	09 06 05.3	-1.1	
CABF	La Chapelle	comp=Z,21nm,0.9s	93.61	330	eP	P	09 06 05.3	-1.1
H40A	Houston	93.80	33	P	P	09 06 07.2	0.0	
H40A	Houston	baz=318,SNR=26	93.80	33	P	P	09 06 07.2	0.0
I39A	Houston	93.82	34	eP	P	09 06 06.5	-0.8	
I39A	Houston	comp=Z,82nm,0.8s	93.82	34	eP	P	09 06 06.5	-0.8
I39A	Houston	comp=Z,317,SNR=16	93.82	34	P	P	09 06 06.8	-0.5
MNTX	Cornudas Mount	93.82						

Q42A Golden Eagle	97.95	37	P	P	09 06 25.7 -0.3
R41A Rosebud	97.95	38	P	P	09 06 25.7 -0.4
HHAR Hobbs	97.98	41	eP	P	09 06 25.6 -0.7
N45A Kentland	98.04	34	P	P	09 06 26.2 -0.1
J49A Mariette	98.09	30	P	P	09 06 26.3 -0.2
O44A Mansfield	98.09	35	P	P	09 06 26.0 -0.6
K48A Perry	98.10	31	P	P	09 06 26.6 -0.1
T40A Mansfield	98.16	39	P	P	09 06 26.1 -0.9
M46A Old House Fiel	98.17	33	ePdif	P	09 06 26.7 -0.3
M46A Old House Fiel	98.17	33	P	P	09 06 26.6 -0.3
U39A Green Forest	98.17	40	P	P	09 06 26.3 -0.8
CCM Cathedral Cave	98.20	38	ePdif	P	09 06 26.7 -0.5
CCM Cathedral Cave	98.20	38	eP	pmx	09 06 26.7 -0.5
CCM Cathedral Cave	98.20	38	P	P	09 06 26.6 -0.5
L47A Sherwood	98.26	32	P	P	09 06 26.9 -0.4
S41A Jillico Farms,	98.27	39	P	P	09 06 26.9 -0.6
R42A Luebbering	98.28	38	P	P	09 06 27.0 -0.6
JCT Junction City	98.30	48	ePdif	P	09 06 27.6 -0.2
JCT Junction City	98.30	48	eP	pmx	09 06 27.6 -0.2
JCT Junction City	98.30	48	P	P	09 06 27.6 -0.2
Q43A New Douglas	98.37	36	P	P	09 06 27.5 -0.4
N46A Monticello	98.38	33	P	P	09 06 27.2 -0.0
O45A Potomac	98.39	34	P	P	09 06 28.0 -0.7
V39A Pettigrew	98.46	41	P	P	09 06 27.7 -0.8
P44A Sand Creek, Wi	98.53	36	P	P	09 06 28.3 -0.3
U40A Yellville	98.54	40	P	P	09 06 28.0 -0.7
M47A Cromwell	98.55	33	P	P	09 06 28.3 -0.3
SFIN Lafayette	98.60	34	ePdif	P	09 06 29.2 +0.3
SFIN Lafayette	98.60	34	P	P	09 06 28.7 -0.2
L48A N Adams	98.64	31	P	P	09 06 29.0 0.0
S42A Caledonia	98.66	38	P	Pdif	09 06 28.8 -0.4
T41A Mountain View	98.66	39	P	Pdif	09 06 28.4 -0.8
FVM French Village	98.70	38	ePdif	Pdif	09 06 29.0 -0.4
FVM French Village	98.70	38	eP	pmx	09 06 29.0 -0.4
R43A Red Bud	98.74	37	P	Pdif	09 06 29.1 -0.5
Q44A Meyer Farm, Va	98.75	36	P	Pdif	09 06 29.4 -0.2
K50A Casco	98.78	30	P	Pdif	09 06 29.4 -0.2
L49A Milan	98.81	31	P	Pdif	09 06 29.5 -0.2
WHTX Lake Whitney,	98.81	46	ePdif	Pdif	09 06 30.3 +0.3
WHTX Lake Whitney,	98.81	46	P	Pdif	09 06 30.0 0.0
W39A Magazine	98.83	41	P	Pdif	09 06 29.9 -0.1
N47A Urbana	98.89	33	P	Pdif	09 06 29.8 -0.4
P45A Graceland, Par	98.93	35	ePdif	Pdif	09 06 30.2 -0.2
P45A Graceland, Par	98.93	35	P	Pdif	09 06 30.2 -0.2
V40A Witts Springs	98.95	40	ePdif	Pdif	09 06 30.1 -0.5
V40A Witts Springs	98.95	40	P	Pdif	09 06 30.0 -0.7
T42A Van Buren	99.03	39	ePdif	Pdif	09 06 30.4 -0.5
T42A Van Buren	99.03	39	P	Pdif	09 06 30.3 -0.5
TRQ Mont Tremblant	99.03	23	ePdif	Pdif	09 06 30.2 -0.6
U41A Viola	99.08	40	P	Pdif	09 06 30.4 -0.7
X39A Fountain Ranch	99.12	42	P	Pdif	09 06 31.3 -0.1
P46A Rosedale	99.13	35	P	Pdif	09 06 31.0 -0.2
PLVO Plevna	99.15	25	ePdif	Pdif	09 06 30.8 -0.4
O47A Sheridan	99.16	34	P	Pdif	09 06 30.8 -0.6
S43A Fulton Ridge,	99.19	38	P	Pdif	09 06 31.0 -0.6
Q45A Warren Harvey,	99.20	36	P	Pdif	09 06 31.5 0.0
R44A Watonville	99.21	37	P	Pdif	09 06 31.2 -0.4
N48A Decatur	99.22	32	P	Pdif	09 06 31.2 -0.4
M49A Liberty Center	99.22	31	P	Pdif	09 06 31.2 -0.5
W40A Ferguson Farm,	99.25	41	ePdif	Pdif	09 06 31.8 -0.1
W40A Ferguson Farm,	99.25	41	P	Pdif	09 06 31.4 -0.5
V41A Mountainview	99.35	40	P	Pdif	09 06 31.6 -0.8
OLIL Olney	99.35	46	ePdif	Pdif	09 06 32.7 +0.4
MIAR Mount Ida	99.41	42	ePdif	Pdif	09 06 32.3 -0.3
MIAR Mount Ida	99.41	42	eP	pmx	09 06 32.3 -0.3
MIAR Mount Ida	99.41	42	P	Pdif	09 06 32.4 -0.3
ETSF Etsaut	99.43	331	eP	pmx	09 06 34.9 +2.3
T43A Greenville	99.43	38	P	Pdif	09 06 32.3 -0.3
U42A Revenen	99.45	39	P	Pdif	09 06 32.1 -0.6
S44A Carbondale	99.53	37	P	Pdif	09 06 32.5 -0.6
435B Jarrell	99.54	47	ePdif	Pdif	09 06 33.7 +0.4
435B Jarrell	99.54	47	P	Pdif	09 06 33.0 -0.3
N49A Columbus Grove	99.56	32	ePdif	Pdif	09 06 33.4 +0.3
N49A Columbus Grove	99.56	32	P	Pdif	09 06 32.9 -0.3
R45A Skylar, Fairir	99.59	36	P	Pdif	09 06 32.9 -0.4
O48A Farmland	99.63	33	P	Pdif	09 06 33.1 -0.4
P47A Martinsville	99.69	34	P	Pdif	09 06 33.5 -0.2
M50A Fremont	99.70	31	P	Pdif	09 06 33.1 -0.6
W41B Gary Mavity, V	99.73	41	P	Pdif	09 06 33.4 -0.6
T44A Cord	99.76	40	P	Pdif	09 06 33.1 -1.1
V42A Benton	99.81	38	P	Pdif	09 06 33.8 -0.5
X40A Basin Creek Fa	99.89	41	ePdif	Pdif	09 06 35.3 +0.6

X40A Basin Creek Fa	99.89	41	P	Pdif	09 06 34.1 -0.6
U43A Rector	99.89	39	P	Pdif	09 06 34.4 -0.3
Y40A Okolona	99.96	42	P	Pdif	09 06 34.4 -0.7
833A Chaparral WMA,	99.97	50	ePdif	Pdif	09 06 35.8 +0.6
833A Chaparral WMA,	99.97	50	P	Pdif	09 06 35.1 -0.1
Q47A Bedord North L	100.04	35	P	Pdif	09 06 35.0 -0.3
X41A Kaden, Saurite	100.07	41	P	Pdif	09 06 35.0 -0.5
O49A Covington	100.07	32	ePdif	Pdif	09 06 34.7 -0.8
O49A Covington	100.07	32	P	Pdif	09 06 35.0 -0.4
P48A Milroy	100.12	34	P	Pdif	09 06 35.2 -0.5
N50A Nevada	100.16	31	P	Pdif	09 06 35.4 -0.4
Q48A North Vernon	100.39	34	P	Pdif	09 06 36.7 -0.1
P49A Miami Univ. Ec	100.41	33	P	Pdif	09 06 36.7 -0.3
LONY Lake Ozonia	100.42	24	P	Pdif	09 06 36.2 -0.7
O50A Gal	100.44	32	P	Pdif	09 06 36.8 -0.3
R47A Wooly Knot Far	100.48	35	P	Pdif	09 06 37.2 -0.1
WCI Wyandotte Cave	100.65	35	ePdif	Pdif	09 06 37.8 -0.2
WCI Wyandotte Cave	100.65	35	eP	pmx	09 06 37.8 -0.2
WCI Wyandotte Cave	100.65	35	P	Pdif	09 06 37.9 -0.2
ACSO Alum Creek Sta	100.67	32	ePdif	Pdif	09 06 38.2 +0.1
ACSO Alum Creek Sta	100.67	32	P	Pdif	09 06 37.9 -0.2
R48A Northridge Ran	100.73	35	P	Pdif	09 06 38.3 -0.1
ABPO Ambohimanpon	100.73	254	ePdif	Pdif	09 06 38.7 -0.2
ABPO Ambohimanpon	100.73	254	eP	Pdif	09 06 38.7 -0.2
Q49A Aurora	100.74	34	P	Pdif	09 06 38.3 -0.2
T46A Princeton	100.74	37	P	Pdif	09 06 38.7 +0.3
P50A Jamestown	100.78	32	P	Pdif	09 06 38.8 -0.4
O51A Pataskala	100.91	31	P	Pdif	09 06 38.8 -0.4
KMBO Kilima Mbogo	101.06	275	P	Pdif	09 06 41.0 +0.4
KMBO Kilima Mbogo	101.06	275	PP	PP	09 10 53.9 -1.9
KMBO Kilima Mbogo	101.06	275	P	Pdif	09 06 41.0 +0.4
M54A Oil Creek Stat	101.09	29	P	Pdif	09 06 39.4 -0.6
R49A Shelbyville	101.16	34	P	Pdif	09 06 40.2 -0.1
T47A Sharon Grove	101.19	36	ePdif	Pdif	09 06 40.9 +0.4
T47A Sharon Grove	101.19	36	P	Pdif	09 06 40.1 -0.3
S48A Wieman Farm,	101.21	35	P	Pdif	09 06 40.2 -0.3
P51A Williamsport	101.23	32	P	Pdif	09 06 40.3 -0.3
O52A Adamsville	101.28	31	P	Pdif	09 06 40.6 -0.3
Q50A Georgetown	101.30	33	P	Pdif	09 06 40.6 -0.3
N54A Moraine State	101.40	29	P	Pdif	09 06 41.3 -0.1
X44A Crenshaw	101.41	40	P	Pdif	09 06 41.4 -0.1
W45A Hickory Valley	101.46	39	P	Pdif	09 06 41.3 -0.4
O51A Peables	101.46	33	ePdif	Pdif	09 06 41.8 +0.1
O51A Peables	101.46	33	P	Pdif	09 06 41.4 -0.3
WVT Waverly	101.46	37	ePdif	Pdif	09 06 41.6 -0.1
WVT Waverly	101.46	37	eP	Pdif	09 06 41.6 -0.1
WVT Waverly	101.46	37	P	Pdif	09 06 40.8 -0.9
T48A Bowling Green	101.46	36	P	Pdif	09 06 41.4 -0.3
S49A Springfield	101.50	35	P	Pdif	09 06 41.4 -0.5
P52A Corning	101.53	31	P	Pdif	09 06 41.5 -0.5
V46A Holladay	101.55	38	P	Pdif	09 06 41.8 -0.4
R50A Paris	101.58	34	P	Pdif	09 06 42.1 -0.1
LBNH Lisbon	101.66	22	P	Pdif	09 06 42.1 -0.4
OXF Oxford	101.81	39	ePdif	Pdif	09 06 42.4 -0.9
OXF Oxford	101.81	39	eP	Pdif	09 06 42.4 -0.9
OXF Oxford	101.81	39	P	Pdif	09 06 42.7 -0.5
U48A Castle Pea, Po	101.84	36	P	Pdif	09 06 41.7 -1.7
V47A Nunnely	101.85	37	P	Pdif	09 06 43.1 -0.4
X45A UM Field Stati	101.88	39	P	Pdif	09 06 43.5 -0.1
T49A Edmonton	101.90	35	ePdif	Pdif	09 06 43.8 -0.1
T49A Edmonton	101.90	35	P	Pdif	09 06 43.5 -0.1
W46A Michie	101.91	38	P	Pdif	09 06 43.3 -0.4
R51A Hillsboro	101.92	33	P	Pdif	09 06 43.4 -0.3
P53A Whipple	101.99	31	P	Pdif	09 06 43.7 -0.3
S50A Richmond	102.02	34	P	Pdif	09 06 43.8 -0.4
LNIG Linare	102.13	53	ePdif	Pdif	09 06 44.7 -0.2
Y45A Yeager Farm, C	102.21	40	P	Pdif	09 06 43.7 -1.4
U49A Red Boiling Sp	102.23	36	P	Pdif	09 06 44.4 -0.8
W47A Westpoint	102.25	38	P	Pdif	09 06 44.4 -0.8
V48A Smith Brothers	102.29	37	ePdif	Pdif	09 06 45.5 +0.1
V48A Smith Brothers	102.29	37	P	Pdif	09 06 45.1 -0.3
T50A Nancy	102.31	35	P	Pdif	09 06 45.4 -0.1
R52A Cattletsburg	102.34	33	P	Pdif	09 06 45.1 -0.4
S51A Beattyville	102.44	34	P	Pdif	09 06 45.6 -0.4
O56A Blue Knob Stat	102.58	29	P	Pdif	09 06 46.2 -0.5
Y46A Houston	102.58	39	P	Pdif	09 06 46.4 -0.4
S52A Salsersville	102.66	33	P	Pdif	09 06 46.4 -0.6
X47A Russelville	102.66	38	P	Pdif	09 06 46.4 -0.7
W48A Pulaski	102.69	37	P	Pdif	09 06 46.5 -0.7
V49A McMinnville	102.75	36	P	Pdif	09 06 46.7 -0.7
U50A Jamestown	102.78	35	P	Pdif	09 06 47.0 -0.7
T51A Gray	102.80	34	P	Pdif	09 06 47.2 -0.4
Z46A Louisville	103.05	40	P	Pdif	09 06 48.6 -0.2
W49A Belvidere	103.05	37	P	Pdif	09 06 48.3 -0.5
X48A Hartselle	103.15	38	P	Pdif	09 06 48.1 -1.1
T52A Hattie	103.16	34	P	Pdif	09 06 48.5 -0.7
N59A State Game Lan	103.17	27	P	Pdif	09 06 48.2 -1.0
U51A La Follette	103.23	35	P	Pdif	09 06 48.9 -0.7
TZTN Tazewell	103.33	34	P	Pdif	09 06 50.0 0.0

X49A Woodville	103.48	37	P	Pdif	09 06 50.2 -0.6
Y48A Jasper	103.49	38	P	Pdif	09 06 50.1 -0.7
W50A Sig M Mountai	103.49	36	P	Pdif	09 06 50.5 -0.3
V51A Loudon	103.51	35	P	Pdif	09 06 50.3 -0.5
Z47A Carrollton	103.53	39	P	Pdif	09 06 50.4 -0.5
U52A Thorn Hill	103.54	34	P	Pdif	09 06 50.7 -0.3
147A Livingston	103.81	40	P	Pdif	09 06 52.1 0.0
V52A Sevierville	103.86	35	P	Pdif	09 06 52.0 -0.4
U53A Fall Branch	103.95	34	P	Pdif	09 06 52.4 -0.4
148A Greensboro	104.22	39	P	Pdif	09 06 53.8 -0.2
LRAL Lakeview Retre	104.24	39	P	Pdif	09 06 53.9 -0.2
BLA Blacksburg	104.28	32	P	Pdif	09 06 54.0 -0.3
V53A Saluda	104.38	34	P	Pdif	09 06 54.7 -0.1
W53A Cullowee	104.61	35	P	Pdif	09 06 55.9 0.0
Z50A Ashland	104.66	38	P	Pdif	09 06 55.8 -0.3
149A Jones	104.69	39	P	Pdif	09 06 55.8 -0.4
VNDA Vanda	107.21	175	PKKPab	PKKPab	09 22 46.9 +2.7
552A Lynn Haven	107.39	40	P	PKKIP	09 11 14.3 +0.2
156A Sylvania	107.44	35	P	PKKIP	09 11 14.4 +0.3
MAW Mawson	111.57	204	PP	PP	09 12 10.0 -0.9
LSZ Lusaka	115.50	266	ePKPdif	PKPdif	09 11 30.8

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, and Station Class. Includes stations like M51A Elyria, CBN Corbin Frederi, D41A Chassel, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, and Station Class. Includes stations like H11S2 WAKE ISLAND Hy 40.20 327, H11S3 WAKE ISLAND Hy 40.22 327, etc.

ISCJB 23 09:35:06.0, 4.8, 68.69N; 0.08; 155.45E; 0.2, h34km, mb3.7/4, Error ellipse: s-maj=17.9km s-min=5.6km

KRSC 23 09:35:08.6, 2.1, 48.89N; 156.74E, h6km, 37km, M4.5 MOS 23 09:35:08.6, 2.2, 48.89N; 156.74E, h6km, mb4.0/2, Error ellipse: s-maj=27.9km s-min=5.3km az=80.5

SKHL 23 09:35:09.2, 0.2, 48.76N; 155.52E, h60km, 9km, mb4.5/2 IDC 23 09:35:12.3, 4.6, 48.99N; 154.98E, h78km, 39km, mb1.3/4, mb1 3.9/7, mb1mx3.5/4, mbmtmp3.9/7, ML3.8/2, Error ellipse: s-maj=92.9km s-min=18.1km az=148.0

ISC 23 09:35:07.6, 1.0, 48.77N; 0.1; 155.68E; 0.1, h34km, n58, e170/64, mb3.7/4, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, and Station Class. Includes stations like SKR Severo-Kuril's, SKR MTR, SKR Severo-Kuril's, etc.

DALK Dalny 4.82 24 eP Pn 09 36 19.1 +1.5 DALK Dalny 4.82 24 pN Pn 09 37 11.5 -0.7

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, and Station Class. Includes stations like H1N1 WAKE ISLAND Hy 30.29 158, H1N3 WAKE ISLAND Hy 30.29 158, etc.

USRK Ussuriysk Ar. 16.83 263 P Pn 09 38 58.9 -1.6 H1N2 WAKE ISLAND Hy 30.28 158 T T 10 13 43.5

H1N1 WAKE ISLAND Hy 30.29 158 T T 10 13 38.6 H1N3 WAKE ISLAND Hy 30.29 158 T T 10 13 44.6

H1S1 WAKE ISLAND Hy 31.41 159 T T 10 14 58.7 H1S3 WAKE ISLAND Hy 31.42 159 T T 10 15 05.0

H1S2 WAKE ISLAND Hy 31.43 159 T T 10 14 59.9 ILAR Warramunga Arr 51.53 257 P P 09 41 47.8 -0.1

CMAR Chiang Mai Arr 54.42 257 P P 09 44 29.2 -2.3 PDAR Pinedale Array 62.29 56 P P 09 45 27.4 +1.0

TXAR Lajitas Array 75.12 63 P P 09 46 47.3 +0.9 ISCJB 23 09:39:29.0, 5.2, 22.30S; 0.02; 171.63E; 0.02, h126km, 5km, mb5.0/21, Error ellipse: s-maj=3.7km s-min=2.8km

IDC 23 09:39:29.2, 1.3, 22.31S; 171.77E, h110km, 9km, mb5.7/36, mb1 5.7/40, mb1mx5.6/43, mbtmp6.0/40, MS4.8/19, Ms1 4.8/19, ms1mx4.6/35, Error ellipse: s-maj=11.2km s-min=9.2km az=83.0

NEIC 23 09:39:30.7, 0.4, 22.31S; 171.69E, h123km, 4km, mb5.9/256, MW5.9, MW5.8, Error ellipse: s-maj=2.6km s-min=2.4km az=150.0, Moment Tensor Solution. s36

Principal axes: T 9.5200, Plg42.0000, Azm313.0000; N -1.4100, Plg37.0000, Azm84.0000; P -8.1100, Plg26.0000, Azm196.0000; Depth from synthetics of broadband displacement seismograms. MOS 23 09:39:30.5, 0.9, 22.29S; 171.66E, h133km, mb5.9/62 Error ellipse: s-maj=6.9km s-min=6.6km az=100.4 WEL 23 09:39:30.0, 2.2, 21S; 171.69E, h123km, GCMT 23 09:39:31.7, 0.1, 22.40S; 0.01; 171.69E; 0.1, h113km, MW5.9/145, Moment Tensor Solution. s35, c269; s145, c399; Duration: 281 Moment Tensor: Scale 1017 Nm; Mr1: 365.07; Mw: 4.165; 08; Mw5.53; 05; Mw5.32; 07; Mw5.20; 05; Best double couple: Mb-330.0000/1017 NP1=73.00000; 883.00000; 1.48.00000; NP2=336.00000; 843.00000; 1.170.00000; Principal axes: T 8.5140, Plg37.0000, Azm307.0000; N -0.3680, Plg42.0000, Azm79.0000; P -8.1470, Plg26.0000, Azm195.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function

NEIC 23 09:39:31.0, 0.0, 22.22S; 171.46E, h100km, Moment Tensor Solution. s25, Moment tensor: Scale 1017Nm; Mr1: 19; Mw: 3.22; Mw2: 13; Mw4: 22; Mw3: 22; Mw3: 63; Best double couple: Mb: 7.10000/1017 NP1=69.00000; 882.00000; 1.50.00000; NP2=330.00000; 841.00000; 1.168.00000; Principal axes: T 7.7900, Plg39.0000, Azm303.0000; N -1.8100, Plg39.0000, Azm75.0000; P -5.9900, Plg26.0000, Azm189.0000; BUI 23 09:39:32.7, 2.1, 21.60S; 171.60E, h128km, mb.0/71, mb5.9/47

ISC 23 09:39:40.0, 3.0, 22.27S; 0.04; 171.69E; 0.04, h123km, 2km, h123km; pP-P, n1379, e1913/1441, mb5.9/323, 149C-32D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, and Station Class. Includes stations like I22FR PORTLAGUERRE 1.49 270 P Pn 09 40 37.0 +0.5, DZM Mont Dzumac 4.87 271 P Pn 09 40 41.6 -0.1, etc.

HIZ Hawaii 16.41 171 P Pn 09 43 13.5 0.0 PKGZ Pukihiroa 16.51 162 P Pn 09 43 16.7 +1.5

WMGZ Waionmatatini S 16.54 161 P Pn 09 43 16.1 +0.6 URZ Urewera 16.60 165 eP Pn 09 43 16.4 +0.3

URZ Urewera 16.60 165 eP Pn 09 43 16.3 +0.2 URZ Urewera 16.60 165 eP Pn 09 43 16.8 +0.7

URZ Urewera 16.73 162 P Pn 09 43 18.1 +0.5 MWZ Matawai 16.78 164 P Pn 09 43 18.9 +0.8

VRZ Vera Road 17.00 172 P Pn 09 43 21.2 +0.5 HNR Honiara 17.03 317 eP Pn 09 43 22.5 +1.3

HNR Honiara 17.03 317 eP Pn 09 43 22.5 +1.3 HNR Honiara 17.03 317 eP Pn 09 43 22.5 +1.3

CNGZ Carnahio Statio 17.10 162 P Pn 09 43 21.7 +0.1 SNGZ Shannon Statio 17.15 165 P Pn 09 43 23.0 +0.4

OTVZ Otutere 17.18 169 P Pn 09 43 23.7 +0.7 RIGZ Rimuhau 17.19 166 P Pn 09 43 23.2 +0.2

RAHZ Arahii 17.22 164 P Pn 09 43 24.0 +0.7 BKZ Black Stump Fm 17.33 167 eP Pn 09 43 25.0 +0.3

BKZ Black Stump Fm 17.33 167 P Pn 09 43 25.0 +0.3 BKZ Kokohu 17.46 164 P Pn 09 43 25.5 -0.1

ARHZ Aroapaoanu 17.53 166 P Pn 09 43 26.9 -0.2 BHZ Bonga Hill Sta 17.56 162 P Pn 09 43 27.4 -0.1

MCHZ McNeill Hill 17.64 167 P Pn 09 43 28.3 -0.1 MHGZ Mahia Peninsula 17.64 164 P Pn 09 43 28.1 -0.4

WAZ Wanganui 17.65 172 P Pn 09 43 30.1 +1.6 AFI Afiamalu 17.77 65 eP Pn 09 43 29.1 -0.2

AFI Afiamalu 17.77 65 eP Pn 09 43 29.5 +0.2 AFI Afiamalu 17.77 65 eP Pn 09 43 29.5 +0.2

IDC 23 09:33:28.5, 13.0, 15.73S; 171.53W, h0km, mb3.9/3,

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like McQueen's Vall, Rata Peaks, Riverview, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like WRA, WRA, WRA, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like PAGZ, MSLP, Chichi jima, etc.

23d 9h

Table with columns: ADK, ADK, 74.54, 7 eP, P, 09 50 56.1+0.8, etc. Lists various astronomical objects and their properties.

2012 OCT

Table with columns: SDPT, Sand Point, 80.88, 16 eP, P, 09 51 31.2+0.8, etc. Lists various astronomical objects and their properties.

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Table with columns: LZH, comp=Z,210nm,1.3s, pmax, pmax, etc. Lists various astronomical objects and their properties.

Table with columns for station call letters, location, elevation, frequency, and other technical details. Includes stations like BELC Belle Mtn, VCNR Virginia City, GSC Goldstone, etc.

Table with columns for station call letters, location, elevation, frequency, and other technical details. Includes stations like YAK comp=E,45nm,1.6s, TRF Thorofore Moun, SIT Sitka, etc.

Table with columns for station call letters, location, elevation, frequency, and other technical details. Includes stations like WUAZ Wupatki, PKCU Pink Cliffs, BMO Blue Mountains, etc.

ZIMR	144.96 316	PKIKP	PKPpdf	09 58 54.8 +1.8	PRU	Pruhonicze	147.01 333	ePKP2	MLR	PKPbc	09 58 58.5 -0.1	DID	Didima	148.90 306	P	PKPbc	09 59 23.3 -1.7	
STEP	BALIKESIR_Sava	144.96 307	iP	PKPbc	09 58 52.2 -0.6	FNA	Florida	148.90 313	ePKPbc	PKPbc	09 59 04.0 +0.0	FNA	Florida	148.90 313	ePKPbc	PKPbc	09 59 04.0 +0.0	
DALY	Dalyan (Mu'la)	144.96 303	eP	PKPbc	09 58 52.7 -0.1	FNA	Florida	148.90 313	PKIKP	PKPbc	09 59 02.9 -1.0	FNA	Florida	148.90 313	PKIKP	PKPbc	09 59 02.9 +0.5	
DALYN	Dalyan (Mu'la)	144.96 303	eP	PKPbc	09 58 53.2 0.0	FNA	Florida	148.90 313	PKIKP	PKPbc	09 59 02.9 +0.5	FNA	Florida	148.90 313	PKIKP	PKPbc	09 59 02.9 +0.5	
LTVH	L'vav'ries,	145.13 323f	ePKPbc	PKPbc	09 58 53.3 +0.1	LTK	Loutlaki	148.91 307	P	PKPbc	09 59 02.2 -1.8	LTK	Loutlaki	148.91 307	P	PKPbc	09 59 02.2 -1.8	
DRUM	Mains of Drum	145.14 354	eP	PKPbc	09 58 53.2 -1.5	PVY	Playur	148.93 317	iPKP	PKPbc	09 59 03.4 -0.6	PVY	Playur	148.93 317	iPKP	PKPbc	09 59 03.4 -0.6	
	comp=Z,1um,17.5s	IAMS_20	IAMS_20		11 08 41.5	EDMO	Edmundbyers	147.14 353	eP	PKPbc	09 58 57.7 -1.1	EDMO	Edmundbyers	147.14 353	eP	PKPbc	09 58 57.7 -1.1	
						EDMD	Edmundbyers	147.14 353	eP	PKPbc	11 10 32.8	EDMD	Edmundbyers	147.14 353	eP	PKPbc	11 10 32.8	
							comp=Z,883nm,21.1s											
PVL	Pavleniki	145.17 315	P	PKPab	09 58 54.4 +1.0	SRS	Serrai	147.25 312	P	PKPbc	09 58 58.5 -1.0	YGC	Rhoscolyn	148.94 356f	eP	PKPbc	09 59 02.4 -1.1	
VER	Verkesik	145.17 303	eP	PKPbc	09 58 53.3 -0.3	KRB	Krupnik	147.26 314	P	PKPbc	09 58 59.4 -0.1	AGG	Agios Georgios	148.99 310	eP	PKPbc	09 59 01.2 +1.2	
VER	Verkesik	145.17 303	eP	PKPbc	09 58 53.9 +0.1	ZKR	Zakros	147.29 301	P	PKPbc	09 59 00.1 +0.3	AGG	Agios Georgios	148.99 310	eP	PKPbc	09 59 03.9 -0.3	
VER	Verkesik	145.17 303	PKIKP	PKPab	09 58 53.9 +0.1	OUR	Ouranopolis	147.30 311	eP	PKPbc	09 58 57.0 -0.1	AGG	Agios Georgios	148.99 310	eP	PKPbc	09 59 02.6 -1.6	
AYB	Zeytinliqoy-Aydi	145.25 307	eP	PKPab	09 58 54.4 +0.3	OUR	Ouranopolis	147.30 311	P	PKPbc	09 58 58.5 -1.1	AGG	Agios Georgios	148.99 310	ePKP2	PKPbc	09 59 03.9 -0.3	
LANS	Liptovska Anna	145.32 325	ePKP2	PKPab	09 58 55.0 +1.1	OUR	Ouranopolis	147.30 311	P	PKPbc	09 58 58.5 -1.1	THL	Klokotos Trika	148.99 311	P	PKPbc	09 59 02.3 -1.8	
LANS	Liptovska Anna	145.32 327	ePKP	PKPab	09 58 55.0 +1.1	OUR	Ouranopolis	147.30 311	eP	PKPbc	09 58 58.5 -1.1	VLL	Llanberis	149.02 355f	eP	PKPbc	09 59 02.7 -1.0	
LKNC	Lapski	145.32 310	eP	PKPbc	09 58 55.9 +0.1	APE	Apeiranthos	147.30 304f	iP	PKPbc	09 58 58.7 -1.2	GVD	Gavdhos	149.05 304	P	PKPbc	09 59 02.4 -0.2	
OKC	Ostrava-Krasne	145.50 329	ePKP	PKPab	09 58 54.4 -0.1	APE	Apeiranthos	147.30 304	iPKP2	PKPbc	09 58 58.7 -1.2	KOM	Kolasin	149.07 318f	iPKP	PKPbc	09 59 03.8 -0.5	
			AMS	AMS	11 06 30.0	ANAF	Anafi Island	147.32 303	P	PKPbc	09 58 59.9 -1.0	PMP	Peshkopia	149.09 315	eP	PKPbc	09 59 03.3 -1.2	
	comp=Z,400nm,18.8s					BNB1	Bothel	147.36 355f	eP	PKPbc	09 58 58.7 -0.6	DSF	Desfina	149.09 308	P	PKPbc	09 59 03.0 -0.9	
OKC	Ostrava-Krasne	145.50 329	ePKP2	PKPab	09 58 54.4 -0.1	BEO	Beograd	147.41 320	PKP2	PKPbc	09 58 58.6 -1.2	CWF	Charnwood Fore	149.11 352	eP	PKPbc	11 06 11.8	
OKC			MLR	MLR		SOH	Sokhos	147.53 312	P	PKPbc	09 59 01.1 +0.7							
	comp=Z,400nm,18.8s					SOH	Sokhos	147.53 312	PKP2	PKPbc	09 59 01.2 +0.8							
						SANT	Santorini	147.56 303	ePKP2	PKPbc	09 58 57.2 -0.6							
GELI	Tayfur-Gelibol	145.51 310	eP	PKPpdf	09 58 54.2 +0.1	SANT	Santorini	147.56 303	ePKPbc	PKPbc	09 59 01.1 -0.4							
ARG	Arkhangelos	145.52 302	P	PKPbc	09 58 54.5 -0.1	SANT	Santorini	147.56 303	ePKPbc	PKPbc	09 59 02.3 +0.2							
ARG	Arkhangelos	145.52 302	P	PKPbc	09 58 54.5 -0.1	SANT	Santorini	147.56 303	ePKPbc	PKPbc	09 59 02.3 +0.2							
MLSB	Milas	145.52 304	eP	PKPab	09 58 55.0 0.0	IOSP	Iosporos Island	147.59 303	P	PKPbc	09 58 59.4 -1.2							
EDM	Dimitrovgrad	145.53 313	P	PKPbc	09 58 54.4 -0.1	THR3	Thira Island,	147.59 303	P	PKPbc	09 59 00.1 -0.5							
DIU	Dumet	145.55 355f	eP	PKPpdf	09 58 52.8 -0.9	THR3	Thira Island,	147.59 303	P	PKPbc	09 59 00.1 -0.5							
KSP	Ksiaz	145.63 332	ePKPc	PKPab	09 58 55.0 0.0	FRGS	Fruska Gora	147.60 322f	iP	PKPpdf	09 58 56.3 -1.2							
KSP	Ksiaz	145.63 332f	ePKP2	PKPab	09 58 54.9 0.0	MORH	M'ra'gr'y, Hung	147.62 324f	ePKPpdf	PKPbc	09 59 00.0 -0.3							
CRAO	CRAIOVA	145.63 317	iP	PKPbc	09 58 55.8 +0.6	MORH	M'ra'gr'y, Hung	147.62 324f	ePKPpdf	PKPbc	09 59 00.0 -0.3							
CRAR	CRAIOVA	145.64 317	iPKP2	PKPbc	09 58 55.8 +0.6	PLG	Polygyros	147.66 311	P	PKPab	09 59 02.5 -0.8							
DKL	Dikili	145.65 307	eP	PKPpdf	09 58 53.4 -1.0	PLG	Polygyros	147.66 311	P	PKPab	09 59 02.5 -0.8							
BAYZ	CANAKKALE_Bay	145.69 309	iP	PKPbc	09 58 54.8 -0.2	MOX	Moxa	147.68 336	PKP2	PKPbc	09 59 00.1 -0.3							
GZR	Gura Zlata	145.72 320	iP	PKPbc	09 58 55.0 0.0	NKC	Novy Kostel	147.68 335	ePKP	PKPbc	09 59 00.8 +0.4							
GZR	Gura Zlata	145.72 320	iPKP	PKPbc	09 58 55.0 0.0	NKC	Novy Kostel	147.68 335	ePKP	PKPbc	09 59 00.8 +0.4							
INVG	Ingvergedie, C	145.77 306	eP	PKPbc	09 58 55.0 -0.9	NKC	Novy Kostel	147.68 335	ePKP	PKPbc	09 59 00.8 +0.4							
BL7C	Balcova	145.77 306	eP	PKPbc	09 58 55.1 -0.2	NKC	Novy Kostel	147.68 335	ePKP2	MLR	PKPbc	09 59 00.8 +0.4						
KDZ	Kurdzhali	145.78 312	P	PKPbc	09 58 55.4 -0.1	NKC	Novy Kostel	147.68 335	ePKP2	MLR	PKPbc	09 59 00.8 +0.4						
DAT	Data	145.82 303	eP	PKPpdf	09 58 53.5 -1.4	NKC	Novy Kostel	147.68 335	ePKP2	MLR	PKPbc	09 59 00.8 +0.4						
DAT	Data	145.82 303	eP	PKPpdf	09 58 54.9 0.0	NKC	Novy Kostel	147.68 335	ePKP2	MLR	PKPbc	09 59 00.8 +0.4						
GZelcaml?	GZelcaml?	145.82 303	eP	PKPbc	09 58 55.4 -0.1	NKC	Novy Kostel	147.68 335	ePKP2	MLR	PKPbc	09 59 00.8 +0.4						
GCAM	GZelcaml?	145.82 303	iP	PKPbc	09 58 55.4 -0.1	NKC	Novy Kostel	147.68 335	ePKP2	MLR	PKPbc	09 59 00.8 +0.4						
MORC	Moravsky Berou	145.82 330	ePKPpdf	PKPbc	09 58 54.4 -0.1	KNT	Kendrikon	147.70 313	P	PKPbc	09 58 57.7 -1.1							
MORC	Moravsky Berou	145.82 330	iP	PKPbc	09 58 55.3 +0.1	KNT	Kendrikon	147.70 313	P	PKPbc	09 58 57.7 -1.1							
MORC	Moravsky Berou	145.82 330	iPKP2	PKPbc	09 58 55.3 +0.1	NPS	Neapolis	147.73 301	P	PKPbc	09 59 00.4 -0.6							
MORC	Moravsky Berou	145.82 330	ePKP	PKPbc	09 58 53.8 -0.6	NPS	Neapolis	147.73 301	P	PKPbc	09 59 00.4 -0.6							
						LAST	Sopron	147.74 328f	ePKP	PKPbc	09 59 00.4 -0.2							
						MORH	Sopron, Hung	147.74 328	PKP2	PKPbc	09 58 59.6 -0.7							
						YAV	Valandovo	147.85 313	P	PKPab	09 59 04.0 +0.1							
						VAY	Valandovo	147.85 313	P	PKPab	09 59 04.0 +0.1							
						VAY	Valandovo	147.85 313	iPKP	PKPbc	09 58 60.0 -1.1							
						VAY	Valandovo	147.85 313	iPKP	PKPbc	09 59 04.7 +0.7							
						LAST	Lasithi	147.86 301	P	PKPbc	09 59 01.6 +0.1							
						LAST	Lasithi	147.86 301	P	PKPbc	09 59 01.6 +0.1							
						CONA	Conrad Osberna	147.91 329	ePKPbc	PKPbc	09 59 01.1 -0.1							
							comp=Z,156nm,1.7s,SNR=4.1											
						IOMK	Kirk Michael	147.94 356	eP	PKPbc	09 58 59.3 -1.6							
						IOMK	Kirk Michael	147.94 356	eP	PKPbc	11 06 20.1							
							comp=Z,882nm,19.3s											
						STIP	Stip	147.94 314	iPKP	PKPpdf	09 58 59.6 +1.5							
						STIP	Stip	147.94 314	iPKP	PKPpdf	09 59 04.6 +0.3							
						KHC	Kasperske Hory	148.07 332	ePKPpdf	PKPbc	09 58 59.0 +0.8							
						KHC	Kasperske Hory	148.07 332	ePKPpdf	PKPbc	09 59 02.2 +0.7							
						KHC	Kasperske Hory	148.07 332	ePKP	PKPbc	09 59 01.9 +0.4							
						KHC	Kasperske Hory	148.07 332	ePKP	PKPbc	09 59 01.9 +0.4							
						KHC	Kasperske Hory	148.07 332	ePKP2	MLR	PKPbc	09 59 01.9 +0.4						
						KHC	Kasperske Hory	148.07 332	ePKP2	MLR	PKPbc	09 59 01.9 +0.4						
						DIVS	Divivare	148.09 320	ePKPpdf	PKPbc	09 58 59.9 +0.4							
						DIVS	Divivare	148.09 320	ePKPpdf	PKPbc	09 59 02.5 +0.7							
						DIVS	Divivare	148.09 320	ePKPpdf	PKPbc	09 58 56.9 -1.6							
						DIVS	Divivare	148.09 320	iPKP	PKPbc	09 59 04.8 -0.3							
						GRG	Griva	148.13 313	P	PKPab	09 59 04.8 -0.3							
						GRG	Griva	148.13 313	P	PKPab	09 59 04.8 -0.3							
						GRG	Griva	148.13 313	PKP2	PKPbc	09 59 04.4 -1.5							
						WTSB	Winterswijk	148.14 342	ePKPpdf	PKPbc	09 59 00.7 -0.8							
						GECC	GERESS Array S	148.23 332	ePKPpdf	PKPbc	09 58 57.9 -0.7							
						GECC	GERESS Array S	148.23 332	ePKP	PKPbc	09 59 02.0 -0.1							
						GECC	GERESS Array S	148.23 332	ePKP	PKPbc	09 59 06.0 +0.7							
						GECC	GERESS Array S	148.23 332	ePKP	PKPbc	09 58 57.9 -0.7							
						GECC	GERESS Array S	148.23 332	ePKP	PKPbc</								

Table with columns: ID, Name, Value, Unit, Status, Date, Value, Unit, Status, Date, Value, Unit, Status, Date. Includes entries like OTAV Otavalo, PTGA Pitinga, EFJ East Falkland, etc.

Table with columns: ID, Name, Value, Unit, Status, Date, Value, Unit, Status, Date, Value, Unit, Status, Date. Includes entries like 833A Chaparral WMA, 250A Ashland, 250A Ashland, etc.

Table with columns: ID, Name, Value, Unit, Status, Date, Value, Unit, Status, Date, Value, Unit, Status, Date. Includes entries like Z40A Long Farm, Mag, V51A Loudon, V51A Loudon, etc.

23d 10h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like V39A Pettigrew, T44A Benton, S46A Don Dixon Farm, etc.

2012 OCT

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like O49A Covington, O49A Covington, P46A Rosedale, etc.

1084

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like LBNH Lisbon, J49A Marlette, CBKS Cedar Bluff, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like VVDA, IKP, G42A, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like TPNV, TPNV, TPNV, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like BMO, BMO, BMO, etc.

23d 15h

Table with columns for station code, name, frequency, and other technical details. Includes stations like LLP, MKP, TBP, DAV, etc.

2012 OCT

Table with columns for station code, name, frequency, and other technical details. Includes stations like MK01, MK03, MK32, MKAR, etc.

1088

Table with columns for station code, name, frequency, and other technical details. Includes stations like PDO, IGT, IGM, etc.

MESZ Methoni	2.27 158 P	Pb	15 21 21.8 -1.6	KRBB Karabiga-Canak	5.34 72 eP	Pn	15 22 03.9 +1.9	KBA Koelnbreinsper	9.73 329 P	Pn	15 23 03.9 +1.4
GRG Griva	2.43 33 P	Pn	15 21 23.2 +1.1	NPS Neapolis	5.40 131 P	Pn	15 22 06.7 +3.8	KBA			
GRG Griva	2.43 33 P	Pn	15 21 23.5 +1.4	EDRB Edirne	5.49 56 eP	Pn	15 22 05.8 +1.7	comp-Z,40nm,0.9s			
THE Thessaloniki	2.47 46 P	Pb	15 21 25.4 +1.4	PVL Pavlikeni	5.56 38 S	Pn	15 22 04.8 -0.2	MODra-Piesok	9.75 347 eP	Pn	15 23 03.3 +0.8
KRUS Krusevo	2.48 11 i/Pn	Pn	15 21 24.1 +1.3	BVD Bodrum	5.59 107 eP	Sn	15 22 12.8 +4.1	MODra-Piesok	9.75 347 eP	Pn	15 23 03.3 +0.8
TIR Tirane	2.48 346 ePn	Pn	15 21 24.0 +1.2	MRMT Marmara Adasi	5.61 71 eP	Pn	15 22 07.8 +2.0	UZH Uzhgorod	9.77 6 eP	Pn	15 23 05.1 +5.2
TIR Tirane	2.48 346 eP	Pn	15 21 23.7 +0.9	SBT4 Kumbarg-Tekirda	5.63 68 eP	Pn	15 22 08.2 +2.3	UZH		MLR	MLR
TIR Tirane	2.48 346 i/PN	Pn	15 21 24.0 +1.2	TEKS Tekeri	5.67 352 ePn	Pn	15 22 06.0 -0.6	comp=N,300nm,11.0s		MLR	MLR
TIR		Sg	15 22 05.1 +2.6	NI51 Nisyros Isl.	5.67 112 eP	Pn	15 22 09.3 +2.6	UZH	comp=E,400nm,11.0s		MLR
DID Didima	2.49 124 P	Pn	15 21 24.9 +2.0	WDD Wied Dajam	5.77 240 ePn	Pn	15 22 07.0 -0.9	UZH	comp=Z,1100nm,11.0s		MLR
ALNA Altonia	2.52 84 P	Pb	15 21 25.3 +1.3	AYDN Yasoviy-Aydi	5.77 159 eP	Pn	15 22 10.2 +1.5				
HORT Hortatis	2.52 48 P	Pn	15 21 23.4 0.0	AYDN Tasoluk	5.83 100 eP	Pn	15 22 12.2 +3.4				
AOS Altonissos	2.53 84 P	Pn	15 21 23.8 +0.4	MLSB Milas	5.86 104 eP	Pn	15 22 11.7 +2.5	KOLL Kolacina	9.78 351 eSN	Pn	15 24 46.7 -5.8
ATH Athens Observa	2.60 111 P	Pn	15 21 26.3 +1.9	BE0 Beograd	5.87 359 P	Pn	15 22 09.6 +0.3	ABTA Abatlersbach	9.83 325 eP	Pn	15 23 03.2 -0.4
ATH Athens Observa	2.60 111 P	Pn	15 21 27.6 -1.4	SZH Strazhnica	5.89 41 P	Pn	15 22 11.2 +1.6	ABTA	comp=Z,53nm,0.7s		Sn
EREA Ererthia	2.62 100 P	Pb	15 21 26.9 +2.3	MDVR Maidovita	5.90 71 eP	Pn	15 22 12.6 +2.5				
EREA		S	15 22 00.4 -0.3	DAT Dacia	5.91 110 eP	Pn	15 22 12.5 +2.5				
ATHU Athens Univer	2.65 110 P	Pn	15 21 27.2 +2.2	CLTB Cattabellotta	6.00 259 eP	Pn	15 22 11.0 -0.2				
PHP Peshkopia	2.75 357 i/PN	Sg	15 22 17.1 +6.0	HERR Herculanu	6.09 121 i/Pn	Pn	15 22 13.3 +1.0				
PHP		Sg	15 21 28.4 +1.2	DOB Doboj	6.10 343 ePn	Pn	15 22 12.5 +0.1				
VAY Valandovo	2.81 31 i/Pn	Pn	15 21 28.5 +1.3	KAR Karpathos	6.20 121 ePn	Pn	15 22 14.4 +0.5				
SOH Sokhos	2.81 47 P	Pn	15 21 29.1 +1.7	KAR Karpathos	6.20 121 ePn	Pn	15 22 15.1 +1.2				
KNT Kendrikion	2.82 37 P	Pn	15 21 28.3 +0.9	MANT Manisa	6.21 92 ePn	Pn	15 22 15.8 +1.7				
KNT Kendrikion	2.82 37 P	Pn	15 21 29.3 +1.9	FRGS Fruska Gora	6.25 355 ePn	Pn	15 22 13.8 -0.8				
OUR Ouranopolis	2.93 60 P	Pn	15 21 29.1 +0.1	YER Yerkesik	6.29 104 eP	Pn	15 22 17.9 +2.7				
OUR Ouranopolis	2.93 60 P	Pn	15 21 30.8 +1.8	YER Yerkesik	6.29 104 eP	Pn	15 22 18.6 +3.4				
OUR		S	15 21 26.9 +1.7	BLV Banja Luka	6.36 337 i/Pn	Pn	15 22 16.0 0.0				
OUR Ouranopolis	2.93 60 P	Pn	15 21 31.4 +2.4	BLV Banja Luka	6.36 337 i/Pn	Pn	15 22 16.0 0.0				
CGL1 Ceglie Messapi	2.98 306 ePn	Pn	15 21 31.0 +1.3	BLV Banja Luka	6.36 337 S	Sn	15 22 28.7 +0.2	MOA Molin	10.04 335 ePn	Pn	15 23 05.6 -1.0
CGL1		Sg	15 22 29.3 +1.1	BLV Banja Luka	6.36 337 ePn	Pn	15 22 15.4 -0.6	comp=Z,8.8nm,0.4s,SNR=18			
STIP Stip	3.00 23 i/Pn	Pn	15 21 32.7 +2.8	CTKS Kestanelik??a	6.45 67 eP	Pn	15 22 19.9 +2.6	MOA	comp=Z,10nm,0.3s		Sn
TIP Timpagrande	3.04 276 ePn	Pn	15 21 31.3 +0.9	HMR Humele	6.46 29 i/Pn	Pn	15 22 19.9 +1.4	BR131 Keskin Array S	10.10 81 eP	Pn	15 23 09.0 +1.5
TIP Timpagrande	3.04 276 i/Pn	Pn	15 21 31.3 +0.9	AQU L'Aquila	6.48 304 ePn	Pn	15 22 17.6 -0.2	BR131 Keskin Array S	10.10 81 eP	Pn	15 23 12.0 +4.5
TIP Timpagrande	3.04 276 S	Sn	15 22 06.7 0.0	AQU L'Aquila	6.48 304 ePn	Pn	15 22 17.6 -0.2				
TAR1 Taranto	3.04 303 ePn	Pn	15 21 31.4 +1.0	AQU L'Aquila	6.48 304 ePn	Pn	15 22 19.0 +1.2	BRTR Keskin Array B	10.10 81 Pn	Pn	15 23 11.8 +4.3
TAR1		Sg	15 22 33.7 +1.3	ARG Arkhangelos	6.53 112 eP	Pn	15 22 20.6 +2.2	comp=Z,0.6nm,0.3s,baz=263,slow=12,SNR=22		LR	LR
SKO Skopje	3.10 11 i/Pn	Pn	15 21 33.5 +2.3	ARG Arkhangelos	6.53 112 eP	Pn	15 22 23.7 +5.3	BRTR	comp=Z,801nm,21.0s,baz=264,slow=38		LR
SFS Serrai	3.10 45 P	Pn	15 21 33.1 +1.2	ARG		pmax		BRTR Keskin Array B	10.10 81 i/P	Pn	15 23 11.8 +4.3
FASA Fasano	3.15 308 ePn	Pn	15 21 33.6 +1.6	NEF NEVSHA	6.62 47 P	Pn	15 22 24.5 +4.9	BRTR			
PUK Puka	3.16 350 i/PN	Sg	15 21 32.1 0.0	TURN Turunc	6.62 106 eP	Pn	15 22 19.4 -0.2	BRTR	comp=Z,2.0nm,0.4s		pmax
PUK		Sg	15 22 11.3 +1.6	SGRH Singurine	6.62 35 ePn	Pn	15 22 22.4 +2.7	JAVC Velka Javorina	10.15 349 ePn	Pn	15 23 08.6 +0.5
MASS Massafra	3.19 303 ePn	Pn	15 21 32.4 -0.1	GZR Gzira	6.65 19 i/Pn	Pn	15 22 20.6 +0.5	SWA2	baz=159		Pn
ULC Ulcinj	3.21 341 i/Pn	Pn	15 21 32.9 +0.1	UDBI Udbina	6.67 328 i/Pn	Pn	15 22 21.7 +1.3	SWA2	baz=159		AMP
ULC Ulcinj	3.21 341 ePn	Pn	15 21 34.3 +1.5	UDBI		Sn	15 23 34.0 -2.4	SWA2	baz=159		S
PRZK Prizren	3.28 1 i/P	Pn	15 21 36.0 +2.3	DALY Dalyan (Mu'la	6.68 106 i/P	Pn	15 22 25.8 +5.4				
PRZK		Sg	15 21 49.3 -2.3	BZS Buzias	6.72 6 i/P	Pn	15 22 22.3 +1.3				
PRZK		Sg	15 22 31.8 +4.0	BZS Buzias	6.72 6 P	Pn	15 22 25.3 +4.3				
DRME Dracevica, Mon	3.44 342 i/Pn	Pn	15 21 36.0 +1.1	BZS		pmax					
DRME		Pn	15 22 18.8 +2.3	LOT Lotru	6.91 19 i/Pn	Pn	15 22 24.6 +0.9				
DRME Dracevica, Mon	3.44 342 i/Pn	Pn	15 21 35.5 -0.4	ARR Arges	7.08 23 i/Pn	Pn	15 22 28.1 +2.1				
BCI Bajram Curri	3.46 353 i/PN	Pn	15 21 38.1 +1.9	NVLJ Novajia	7.09 324 ePn	Pn	15 22 26.2 +0.2				
BCI		Sn	15 22 18.3 +3.7	MTUR Matau	7.09 26 i/Pn	Pn	15 22 28.3 +2.1	WTTA	comp=Z,8.4nm,0.6s		Sn
MATE Matera	3.48 301 i/P	Pn	15 21 37.2 +0.7	VOIR	7.28 25 i/P	Pn	15 22 30.8 +2.1	WATA Walderalm	10.69 325 ePn	Pn	15 23 17.0 +1.4
ZATK Zatriq	3.51 360 i/P	Pn	15 21 39.7 +2.7	VOIR	7.28 25 P	Pn	15 22 30.8 +2.1	VRAC Vranoc	10.77 346 Pn	Pn	15 23 15.4 -1.1
ZATK		S	15 21 57.7 -2.1	VOIR		pmax		comp=Z,0.6nm,0.3s,baz=178,slow=14,SNR=3.1		LR	LR
SG1 Sgolgore (BA)	3.60 303 ePn	Pn	15 21 38.6 +0.5	VOIR		pmax		VRAC Vranoc	10.77 346 Pn	Pn	15 23 15.4 -1.1
SG1		Sg	15 22 44.5 +6.4	VOIR		pmax		comp=Z,2.0nm,13.7s			LR
BAI Bari	3.62 308 ePn	Pn	15 21 38.9 +0.6	SIRR Siria	7.37 6 i/P	Pn	15 22 29.5 -0.4	VRAC Vranov	10.77 346 ePn	Pn	15 23 15.7 -0.8
BAI		Sg	15 22 45.3 +6.5	MORH M'ar'ij, Hung	7.43 349 ePn	Pn	15 22 30.2 -0.4	SQTA Sankt Quirin	10.77 323 Pn	Pn	15 23 17.2 +0.5
BUM Brajici-Budva	3.62 339 i/Pn	Pn	15 22 23.8 +2.7	MORH		eSN	15 23 49.8 -4.9	SQTA	comp=Z,15nm,0.4s		Sn
BUM		Sg	15 22 23.8 +2.7	MORH M'ar'ij, Hung	7.43 349 ePn	Pn	15 22 29.1 -1.5				
PDG Podgorica	3.65 344 i/Pn	Pn	15 21 40.3 +1.5	ISR Istrita	7.45 33 i/Pn	Pn	15 22 36.0 +3.2				
PDG Podgorica	3.65 344 S	Sn	15 22 22.3 +0.6	ISR Istrita	7.58 33 P	Pn	15 22 36.3 +3.5				
PDG Podgorica	3.65 344 i/Pn	Pn	15 21 38.8 0.0	ISR		pmax					
TTG Trogir	3.65 344 ePn	Pn	15 21 41.1 +1.7	ISR		pmax					
TTG		Sn	15 22 24.6 +2.9	AKAS Kas	7.61 108 i/P	Pn	15 22 37.8 +4.4				
TTG Podgorica	3.65 344 ePn	Pn	15 21 38.9 +0.1	AKAS		S	15 24 00.1 +7.0				
TTG Podgorica	3.65 344 eP	Pn	15 21 38.9 +0.1	MLR Muntele Rosu	7.64 29 Pn	Pn	15 22 35.7 +1.9				
PVY Plav	3.69 352 i/Pn	Pn	15 21 41.1 +1.5	MLR Muntele Rosu	7.64 29 ePn	Pn	15 22 34.5 +0.7				
PVY		Sg	15 22 26.2 +3.2	MLR Muntele Rosu	7.64 29 i/Pn	Pn	15 22 36.3 +2.5				
PEJK Peje	3.72 356 P	Pn	15 22 01.6 -2.2	BOJS Bojanc	7.69 330 ePn	Pn	15 22 34.1 -0.2				
PEJK		S	15 22 49.3 +7.3	BOJS		eSN	15 23 58.0 -3.1				
PEJK		S	15 22 40.3 -0.4	OZLJ Ozalj	7.70 332 ePn	Pn	15 22 34.0 0.0				
CELE Celeste	3.78 261 ePn	Pn	15 21 41.6 +0.1	ISP Isparta	7.84 95 ePn	Pn	15 22 36.4 -0.1				
CEME Cevo	3.84 341 i/Pn	Pn	15 22 29.1 +2.5	ISP Isparta	7.84 95 ePn	Pn	15 22 36.4 -0.1				
CEME		eSN	15 22 29.1 +2.5	DOPR Dopeca	7.86 25 i/Pn	Pn	15 22 35.0 +1.4				
HCY Herceg Novi	3.87 336 i/Pn	Pn	15 21 41.4 -0.4	RIV Rijeka	7.86 326 i/Pn	Pn	15 22 35.6 -1.0				
HCY Herceg Novi	3.87 336 Pn	Pn	15 21 40.0 -1.9	GCIS Gorjnj Cirnik	7.86 333 ePn	Pn	15 22 35.2 -1.4				
HCY Herceg Novi	3.87 336 ePn	Pn	15 21 40.0 -1.9	GCIS		eSN	15 23 59.8 -5.6				
CUC Cautroconico	3.98 287 ePn	Pn	15 21 43.8 +1.7	CREC Cresajev	7.88 333 i/Pn	Pn	15 22 37.7 -1.3				
SMRK Smerkonice	3.94 3 j/P	Pn	15 21 44.8 +1.9	TLB Topali	7.90 42 i/Pn	Pn	15 22 39.0 +1.8				
SMRK		S	15 22 08.1 -2.1	HARR Harsova	7.92 41 i/Pn	Pn	15 22 37.9 +0.5				
BEV Berane	3.98 352 i/Pn	Pn	15 21 46.3 +2.9	HARR Harsova	7.92 41 Pn	Pn	15 22 37.9 +0.5				
BEV Berane	3.98 352 i/Pn	Pn	15 21 45.0 +1.6	DRGR Dragut	8.00 10 i/Pn	Pn	15 22 39.9 +1.3				
IVA		eSN	15 22 32.5 +2.6	TIRR Tirgusor	8.01 44 ePn	Pn	15 22 40.2 +1.6				
KOME Kolasin	4.01 348 i/Pn	Pn	15 21 45.0 +1.2	TIRR Tirgusor	8.01 44 ePn	Pn	15 22 40.2 +1.6				
KOME		eSN	15 22 33.2 +2.2	TIRR Tirgusor	8.01 44 ePn	Pn	15 22 40.3 +1.6				
NKME Niksic	4.04 342 i/Pn	Pn	15 21 45.2 +1.0	LEGS Legarje	8.04 332 i/Pn	Pn	15 22 38.8 -0.3				
NKME		eSN	15 22 33.3 +1.9	LEGS		Sn	15 24 05.5 -4.3				
SIGR SIGRI	4.07 84 eP	Pn	15 21 46.3 +1.8	BEHE Becsehely	8.05 341 ePn	Pn	15 22 38.1 -1.2				
NKY Niksic	4.07 343 i/Pn	Pn	15 21 45.6 +0.9	VISS Visnje	8.10 330 ePn	Pn	15 22 39.1 -0.8				
NKY		eSN	15 22 35.2 +2.5	VISS		Sn	15 24 08.2 -3.1				
VTS Vitoshia	4.14 27 ePn	Pn	15 21 47.0 +1.3	CEY Cerknica	8.21 328 i/Pn	Pn	15 22 40.6 -0.9				
VTS Vitoshia	4.14 27 S	Sn	15 22 37.1 +3.0	PLOR Plostina	8.22 31 i/Pn	Pn	15 22 44.3 +2.7				
VTS Vitoshia	4.14 27 eP	Pn	15 21 46.8 +1.1	PLOR Plostina	8.22 31 i/Pn	Pn	15 22 44.2 +2.7				
RZN Rozhen	4.16 47 P	Pn	15 21 48.5 +2.6	VRI Vrinocia	8.26 31 i/Pn	Pn	15 22 44.2 +2.7				
TRFB Trebinje	4.18 306 ePn	Pn	15 21 48.9 +1.8	VRI Vrinocia	8.26 31 P	Pn	15 22 44.4 +2.3				
GADA Givkgeada	4.25 71 eP	Pn	15 21 48.9 +1.5	SLUM Salum	8.31 152 P	Pn	15 22 40.2 -2.6				
CHOS Chios island	4.27 96 eP	Pn	15 2								

Table with columns: Station, Frequency, Mode, Power, and other technical details. Includes stations like Grafenberg, Novy Kostel, Stuttgart, etc.

Table with columns: Station, Frequency, Mode, Power, and other technical details. Includes stations like Gorron, Voronezh, Gani, etc.

Table with columns: Station, Frequency, Mode, Power, and other technical details. Includes stations like ARU, MAZ, TOAO, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like GTA, GTA, comp=Z,3.0nm,1.0s, GTA, comp=Z,60nm,6.8s, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like IDC 23 15:36:50.2,0.6, 9.74N;126.32E, h0km, mb4.2/18, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like OCLP Ormoc, OCLP Musuan, OCLP Lapu-Lapu, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like IDC 23 15:36:50.2,0.6, 9.74N;126.32E, h0km, mb4.2/18, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like comp=Z,23nm,0.6s, MKAR Makanchi, ZALV Zalesovo Beam, etc.

MEX 23 15:37:20.6±1.0, 15.98N;97.70W, h15km±11km, MD3.8,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like Near coast of Oaxaca, PNIQ Pinotepa, PNIQ Arces Subarra, etc.

IDC 23 15:45:03.7±6.6, 78.59N;0.78E, h0km, mb3.6/1, mb1 3.7/3, mb1mx3.2/33, mbtmp3.6/3, ML2.8/1, Error ellipse: s-maj=106.4km s-min=46.5km az=94.0

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like HSP Hornsund, HSP Hornsund (broa), HSP Hornsund, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like DAG Danmarks Ovn, DAG Danmarks Ovn, ZFIZ Zemlya Franca, etc.

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

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

ISCJB 23 15:45:10.9±1.4, 15.11S;0.09E;166.1E;0.2, h33km, mb4.2/7, Error ellipse: s-maj=25.3km s-min=11.3km az=162.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like DZM Mont Dzumac, DZM Mont Dzumac, DZM Stephens Creek, etc.

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

23d 16h

Table with columns: Code, Station Name, Azores Islands, Phase ID, Time, Res. Includes stations like FLORES T-PHASE, CALA Caldeira, PCAN Candalaria, ROSA Rosais, PMAN Manadas.

PDA 23 15:57:54.0±0.8,39°34'N,29°96'W,h10km,MD3.5,ML3.0, Error ellipse: s-maj=14.1km s-min=2.1km az=24.0, Azores Islands

Table with columns: Code, Station Name, Azores Islands, Phase ID, Time, Res. Includes stations like FLORES T-PHASE, CALA Caldeira, PCAN Candalaria, ROSA Rosais, PMAN Manadas.

PDA 23 16:00:09.8±0.5,39°43'N,29°93'W,h9km±10km,MD3.5,ML3.0, Error ellipse: s-maj=11.0km s-min=4.1km az=22.0, Azores Islands

Table with columns: Code, Station Name, Azores Islands, Phase ID, Time, Res. Includes stations like FLORES T-PHASE, CALA Caldeira, PCAN Candalaria, ROSA Rosais, PMAN Manadas.

AZER Z3 16:17:52.3±0.0,42°13'N,47°71'E,h9km,m4,0/24, Error ellipse: s-maj=0.5km s-min=0.3km az=18.0
MOS Z3 16:17:54.9±0.0,42°00'N,47°63'E,h9km,MPV4A.8
MOS Z3 16:17:54.9±1.1,42°06'N,47°82'E,h17km,mb4.2/12, Error ellipse: s-maj=5.4km s-min=4.3km az=116.0

Table with columns: Code, Station Name, Caucasus, Phase ID, Time, Res. Includes stations like URKR Urkarakh, SGKR Sergokala, DRN Derbent, KMKR Kumukh, GSKR Kasumkent, AKT Akhty, GNBR Gubni, QSAR Qusar.

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Main table with columns: Station Name, Azores Islands, Phase ID, Time, Res. Includes stations like ARAKI Arakani, BUJUR Buynaks, QUBA Quba, KARAN Karanay, GABALA Gabala, DYLIM Dylim, SIZY Sizy, VEDENO Vedeno, GANJA Ganja, ZARD Zardab, GROZNY Grozny, BRD Brd, DAVID-GAREJI David-gareji, GEDABAY Gedabay, QAZAX Qazax, TBILISI Sea, DELISI Delisi, ALIB & Aumi,li-Bayra, KMGAR Komgaron, GUDURI Gudauri, KAZRETI Kazreti, LACR Lacr, LACR Lacr, BATAKOYURT Batakoyurt, TRIEKAYA Triaekaya, ARDON Ardon, CLITABAD Clitabad, GLBA GLBA, KORR Kora, KORR KORR.

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Table with columns: Station Name, Caucasus, Phase ID, Time, Res. Includes stations like ZEY Tsey, GARNI Garni, GNI Gni, GARNI Garni, STDR Stadv-Durt, PRTR Priterechnaya, SBZ Shabz, DIGR Digorskoe uzhe, BGD Bogdanovka, HYR Heyderabad, AKH Akhalkalaki, AKH Akhalkalaki, AKH Akhalkalaki, NCK Naichik, NCK Naichik, AKYA Akyka, LKRN Lenkeran, LKRN Lenkeran, LKRN Lenkeran, LERIK Lerik, IGDIG IGDIG, ASTRA Astara, ASTRA ASTRA, KUBA-KUBA Kuba-Taba, KARS Kars, POSOF Posof, NEY Neytrino, KBZ Khabaz, KVARD Kislodovsk Arr, KVARD Kislodovsk Arr, KVARD Kislodovsk Arr, KIV Kislodovsk, KIV Kislodovsk, KIV Kislodovsk, ARTV Artvin, DAGI Agillar, DBAD Bademkaya, ANN Anapa, GYA0B ALIBEK ARRAY, GYA0B ALIBEK ARRAY, GYA0B ALIBEK ARRAY, AKTO Aktyubinsk, AKTO Aktyubinsk, AKTO Akto, AKTO Akto, AB31 Akbulak array, AB31 Akbulak array, AB31 Akbulak array, AB31 Akbulak array, AB31 Akbulak array, ABKAR Akbulak array, OBN Obninsk, AKASG Malin Array Be, AKASG Malin Array Be, AKASG Malin Array Be, AKBB Malin Array Si, AKBB Malin Array Si, KIEV Kiev, KIEV Kiev, AK11 Malin Array Si, ARU Arti, ARU Arti, KK31 Karatay Array, KK31 Karatay Array, KK31 Karatay Array, KKAR Karatay Array, BUR04 Bucovincia Ar. S, BUR08 Bucovincia Ar. S, SVE Sverldovsk, MNAS Manas, MNAS Manas, UOSS Minazif, RAYN Ar Rayn, RAYN Ar Rayn, BRVK Borovyoe, BRVK Borovyoe, BRVK Borovyoe, BVA0 Borovyoe Array, BVA0 Borovyoe Array, BVA0 Borovyoe Array, IDI Anoyia, IDI Anoyia, AGG Agios Georgios, AGG Agios Georgios, FRU1 Bishkek.

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

ISC 23 16:25:22.9-1.6, 51.46N, 0.07-16.12E, 0.04, h0km, n15, c056/31, Poland

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

ISC 23 16:26:19.0-2.3, 10.89S, 113.64E, h0km, mb3.3/4, mb1 3.6/4, mb1mx3.4/28, mbtmp3.4/4, Error ellipse: s-maj=110.7km s-min=20.9km az=46.0

ISC 23 16:26:21.6-1.2, 10.90S, 0.08-113.7E:0.1, h33km, mb3.3/4, Error ellipse: s-maj=17.5km s-min=10.3km az=16.2

DJA 23 16:26:44.1-1.8, 10.10S, 13.11E, h35km, M3.9/2, MLV3.9/2

ISC 23 16:26:23.6-1.3, 10.9S, 0.1-113.8E:0.1, h35km, n7, c1949/7, mb3.4/4, South of Java

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

0.1nm, 0.3s, baz=148, slow=8.5, SNR=3-8

ICD 23 16:34:15.0-1.4, 10.65S, 113.81E, h0km, mb4.0/9, mb1 4.1/9, mb1mx3.9/27, mbtmp4.0/9, MS2.9/5, Ms1 3.0/5, ms1mx2.6/32, Error ellipse: s-maj=65.9km s-min=17.1km az=49.0

ISC 23 16:34:16.2-0.5, 10.88S, 0.06-113.62E:0.05, h25km, mb4.2/14, MS2.7/1, Error ellipse: s-maj=9.8km s-min=6.1km az=35.0

NEIC 23 16:34:18.0-1.9, 10.79S, 113.67E, h23km, 14km, mb4.2/7, Error ellipse: s-maj=11.2km s-min=4.5km az=216.0

DJA 23 16:34:17.9-1.1, 11.1S, 11.11E, h70km, M4.5/13, mB5.1/1, mb4.6/3, MLV4.4/13, Mw(mB)4.5/1

ISC 23 16:34:18.0-0.7, 10.90S, 0.09-113.66E:0.07, h25km, n49, c1941/42, mb4.1/14, South of Java

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

ISC 23 16:57:53.0-2.9, 13.45N, 91.34W, h0km, mb3.6/1, mb1 3.9/3, mb1mx3.5/43, mbtmp3.5/3, ML3.6/2, Error ellipse: s-maj=47.5km s-min=30.3km az=154.0, Near coast of Guatemala

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

JMA 23 17:16:34.9, 38.41N, 141.78E, h55km, 1km, M3.7, Near east coast of eastern Honshu

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

ISC 23 17:16:55.9-2.8, 6.58S, 130.06E, h109km, 36km, mb3.7/1, mb1 3.4/5, mb1mx3.1/29, mbtmp3.7/5, MS2.8/1, Ms1 2.8/1, ms1mx2.2/33, Error ellipse: s-maj=89.8km s-min=21.2km az=81.0, Banda Sea

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

ISC 23 17:37:59.3, 38.62N, 43.00E, h18km, 3km, ML2.3/2, DD 23 17:37:59.0, 38.63N, 43.05E, h7km, M2.5

ISC 23 17:37:59.9-1.3, 38.64N, 0.03-43.02E:0.03, h6km, 1km, n11, c094/20, Turkey

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

ISC 23 17:47:54.8-0.3, 6.68S, 0.04-147.92E:0.05, h51km, mb4.8/44, MS3.9/9, Error ellipse: s-maj=7.5km s-min=5.1km az=14.2

NEIC 23 17:47:57.6-0.7, 6.67S, 147.96E, h62km, 6km, mb4.6/28, Error ellipse: s-maj=6.4km s-min=4.7km az=103.0

ISC 23 17:47:57.4-0.6, 6.65S, 147.80E, h53km, 34km, mb3.9/12, mb1 4.1/16, mb1mx4.0/33, mbtmp4.2/16, ML4.0/4, MS4.0/9, Ms1 4.0/9, ms1mx3.6/38, Error ellipse: s-maj=30.4km s-min=13.8km az=85.0

ISC 23 17:47:56.7-0.4, 6.70S, 0.05-147.94E:0.07, h51km, n95, c1942/91, mb4.8/44, MS4.0/10, 1C, Eastern New Guinea region

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MAJO Matushiro, NJ2 Nanjing, KSRS Korea Array, etc.

MEX 23 17:50:23.2±0.3, 167.77N, 100.02W, h3km, 5km, MD3.8, Near coast of Guerrero. Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res.

BUIJ 23 18:00:42.5±0.6, 34Sx148.07E, h38km, mb4.8/39, mB5.1/22, Ms4.9/12, Ms7.8/19. Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res.

Main table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MANU Manus Island, RABL Rabaul, JAY Jayapura, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like UGM Wanaqama, SMRI Semarang, KLBK Kollerbu, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MLH Mauna Loa, SDHH Sand Hill, HATHI Halema'uma'u T, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TKL Tuckaleechee C, ABTA Abtalesbach, WTTA Waitberg, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Code Station Name, NBEZ Newell Road No, NBEZ Namu Road, etc.

mB5.3/5, Mlv4.7/5, Mw(mB)4.7/5
NEIC 23:19:11:53.0, 2.5, 2.19N, 92.57E, h30km, mb4.6/22, Error ellipse: s-maj=10.0km s-min=5.7km az=221.0

ISC 23:19:11:50.0, 0.6, 2.06N, 0.07, 92.43E, 0.07, h10km, n99, 190/74, mb4.5/26, MS3.5/13, Off west coast of northern Sumatera

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists various seismic stations like SNSI, BSI, MSLI, TPTI, CMBY, GSI, GSI, LHHI, KCSI, PBSI, etc.

Table with columns: ULN, Ulanbaatar, 47.35 13 eP, P, 19 20 25.4 +1.1. Lists stations like ASAR, ASAR, ASAR, AS31, etc.

MEX 23:19:55:21.4, 0.3, 16.05N, 98.59W, h1km, MD3.6, Near coast of Guerrero

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

WEL 23:07:04.1, 38.25, 0.9, 17.8E, h16km, 1km, ML4.0/18, Off east coast of North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like TWGZ, PUZ, PUZ, PUZ, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like MJAR, NVAR, TXAR, ILAR, SYO, SNA, VNA3, VNA2, etc.

MEX 23:21:10:09.7, 0.9, 19.09N, 104.16W, h3km, 5km, MD3.5, Near coast of Jalisco

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

MEX 23:21:11:43.1, 4.1, 0.1906N, 104.15W, h6km, 9km, MD3.6, Near coast of Jalisco

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

ISC 23:21:23:15.6, 1.6, 30.31N, 130.168E, h0km, mb3.2/3, mb1.3/4.4, mb1mx3.2/4.2, mbtmp3.2/4, MSZ.7/1, Ms1.2/9.1, ms1mx3.2/0, Error ellipse: s-maj=82.5km s-min=22.7km az=77.0

ISCJB 23:21:23:17.8, 1.2, 30.34N, 0.04, 131.28E, 0.08, h28km, 6km, mb3.2/3, MS2.6/1, Error ellipse: s-maj=15.2, 12.1km s-min=6.0km az=22.1

JMA 23:21:23:19.1, 0.1, 30.36N, 131.27E, h28km, 1km, M3.1, ISC 23:21:23:19.4, 1.4, 30.43N, 0.06, 131.19E, 0.09, h31km, 7km, n14, c196/23, mb3.4/3, Kyushu

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

23d 22h

Table with columns: BRVK, Borovoye, 50.02 311 eP, P, 22 04 06.7 +0.1, etc. Lists various stations and their coordinates.

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Table with columns: SORM, Soroca, 75.52 321 P, P, 22 06 56.3 -0.1, etc. Lists various stations and their coordinates.

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Table with columns: CDF, Champ du Feu, 84.47 332 eP, P, 22 07 44.9 +0.0, etc. Lists various stations and their coordinates.

ISC/JB 23 22:01:53.0,0.5,21:58S;0:04:67:02W;0:05,h223km,6km, mb3,9/3, Error ellipse: s-maj=7.1km s-min=6.4km az=141.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists station codes and their associated data.

Table with columns: Call Sign, Station Name, Frequency, Power, and other technical details. Includes stations like ZALV, MKAR, SONM.

ISC 23:22:04:56.8, 1.6, 38.7:69N:143.10E, h0km, mb3.4/2, mb1.3.7/3, mb1m3.3/56, mb1m3.4/3, ML3.4/1, Error ellipse: s-maj=72.3km s-min=8.1km az=126.0km az=56.0

Main table for 1099 section, listing stations like OFUJ, JIO, MIYJ, etc. with columns for Code, Station Name, Frequency, Power, and other technical details.

ISCJJB 23:22:11:37.6, 0.5, 18.4S:0.1:177.8W:0.1, h550km, mb3.8/10, Error ellipse: s-maj=19.9km s-min=12.5km az=169.6

ISC 23:22:11:43.2, 2.1, 18.47S:177.76W, h611km, 27km, mb3.3/10, mb1.3.6/12, mb1m3.3/40, mb1m4.3/12, Error ellipse: s-maj=32.3km s-min=11.2km az=161.0

ISC 23:22:11:38.3, 0.6, 18.3S:0.2:177.8W:0.1, h550km, n26, r141/28, mb3.9/10, Fiji Islands region

Main table for 1099 section, listing stations like DZM, RAR, STKA, etc. with columns for Code, Station Name, Frequency, Power, and other technical details.

ISCJJB 23:22:15:21.6, 0.2, 18.40S:0.06:177.79W:0.05, h557km, mb4.4/133, Error ellipse: s-maj=8.9km s-min=4.6km az=154.4

NEIC 23:22:15:25.7, 0.7, 18.37S:177.82W, h595km, 8km, mb4.5/102, Error ellipse: s-maj=10.1km s-min=4.4km az=153.0

ISC 23:22:15:25.3, 1.1, 18.45S:177.76W, h595km, 12km, mb3.8/21, mb1.3.9/23, mb1m3.8/42, mb1m4.7/23, Error ellipse: s-maj=14.2km s-min=8.2km az=144.0

MOS 23:22:15:26.1, 1.4, 17.81S: 178.00W, h592km, mb4.6/19, Error ellipse: s-maj=13.0km s-min=10.0km az=56.0

ISC 23:22:15:22.3, 0.4, 18.52S:0.09:177.82W:0.07, h557km, n455, r1925/459, mb4.5/133, 42C-35D, Fiji Islands region

Main table for 1099 section, listing stations like AFI, DZM, URM, etc. with columns for Code, Station Name, Frequency, Power, and other technical details.

Main table for 2012 OCT section, listing stations like CTAO, STKA, KIP, etc. with columns for Call Sign, Station Name, Frequency, Power, and other technical details.

Main table for 23d 22h section, listing stations like NVAR, I03D, NV11, etc. with columns for Call Sign, Station Name, Frequency, Power, and other technical details.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like MCK McKinley, SRU San Rafael Swe, and many others.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like TOLLA Toolik Lake Re, JCTA Junction City, and many others.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like BRG comp=Z,19nm,0.7s, LANS Liptovska Anna, and many others.

ISK 23 22:16:34.5, 34.85N, 33.93E, h31km, ML2.5/8
ISCJB 23 22:16:35.0, 4.4, 93.0N, 0.03:33.89E, 0.05, h56km, 6km,
Error ellipse: s-maj=7.5km s-min=4.4km az=150.6

GII 23 22:16:35.7, 0.0, 34.86N, 34.00E, h10km
NIC 23 22:16:36.6, 0.3, 34.95N, 33.84E, h50km, ML2.8
ISC 23 22:16:36.3, 1.3, 34.94N, 0.04:33.86E, 0.04, h50km, 9km,
n32, c076/42, Cyprus region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Paralmimi, AKIN, LFK, etc.

ISCJB 23 22:46:00.6, 0.5, 44.07N, 0.02:44.50E, 0.03, h6km, 3km,
Error ellipse: s-maj=4.2km s-min=3.1km az=22.6
MOS 23 22:46:01.0, 1.7, 44.10N, 44.48E, h11km, mb3.9/1, Error
ellipse: s-maj=9.5km s-min=5.0km az=84.9

MOS 23 22:46:02.1, 0.0, 43.93N, 44.42E, h15km, MPVA3.5
ISC 23 22:46:02.6, 1.1, 43.98N, 0.04:44.33E, 0.02, h17km, 8km,
n47, c082/83, 9C-20, Western Caucasus

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like PRTR, TRKR, TRKR, etc.

BRVK Borovoye 19.29 531eP Pn 22 50 26.7 -0.8

comp=Z, 1.0nm, 1.0s
IDC 23 22:47:59.7, 4.5, 2.66N, 96.05E, h0km, mb3.2/3, mb1 3/3,
mb1mx3.1/48, mbtmp3.2/3, Error ellipse: s-maj=166.5km
s-min=29.7km az=59.0

ISCJB 23 22:48:00.9, 1.0, 2.59N, 0.07:95.74E, 0.07, h25km,
mb2.3/3, Error ellipse: s-maj=12.3km s-min=6.8km
az=140.5
DJA 23 22:48:02.7, 0.8, 3.14N, 4.9, 6E, h27km, 5km, M3.3/7,
MLV3.3/7

ISC 23 22:48:02.9, 1.2, 2.68N, 0.07:95.92E, 0.09, h25km, n17,
c076/14, mb3.3/3, Off west coast of northern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like SNSI, TPTI, MLSI, etc.

IDC 23 22:48:08.9, 1.1, 0.94S, 67.69E, h0km, mb3.7/6, mb1 4/0,
mb1mx3.5/56, mbtmp3.7/6, MS3.8/4, Ms1 3.8/3,
ms1mx3.1/46, Error ellipse: s-maj=32.5km s-min=24.9km
az=179.0

ISCJB 23 22:48:09.4, 1.0, 0.95S, 0.2:67.7E, 0.2, h15km, mb3.7/6,
MS3.7/3, Error ellipse: s-maj=28.5km s-min=21.6km
az=172.0

ISC 23 22:48:11.1, 1.1, 1.0S, 0.2:67.7E, 0.2, h15km, n12, c1926/7,
mb3.6/6, MS3.6/3, Carlsberg Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like H08N2, H08N3, H08N1, etc.

IDC 23 22:49:45.6, 1.3, 45.90S, 95.98E, h0km, mb3.6/5,
mb1 3.9/5, mb1mx3.6/5, mbtmp3.6/5, MS3.8/4, Ms1 3.8/4,
mb1mx3.4/25, Error ellipse: s-maj=42.0km
s-min=22.8km az=114.0, Southeast Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like H01W2, H01W3, H01W1, etc.

IDC 23 22:50:28.9, 2.9, 1.09S, 67.60E, h0km, mb3.5/2, mb1 3/7,
mb1mx3.2/61, mbtmp3.5/2, Error ellipse: s-maj=99.9km
s-min=57.2km az=59.0, Carlsberg Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like H08N2, H08N3, H08N1, etc.

IDC 23 22:55:34.0, 0.8, 0.96S, 67.56E, h0km, mb3.9/11,
mb1 4.1/11, mb1mx3.7/54, mbtmp3.9/11, MS4.2/23,
Ms1 4.2/23, ms1mx3.1/36, Error ellipse: s-maj=23.7km
s-min=22.5km az=165.0

ISCJB 23 22:55:34.9, 0.7, 0.95S, 0.1:67.6E, 0.1, h15km, mb3.9/11,
MS4.2/22, Error ellipse: s-maj=20.2km s-min=18.6km
az=136.4

GCMT 23 22:55:36.0, 0.2, 1.05S, 0.02:67.53E, 0.02, h12km,
MV5.0/104, Moment Tensor Solution, s39, c49;
s104, c163; Duration: 0 Moment tensor: Scale 10^16Nm;
Mw=3.42z=0.8; Mw=2.43z=0.8; Mw=0.98z=0.8; Mw=0.60z=2.6;
Mw=1.64z=0.7; Mw=1.45z=3.0; Best double couple:
Ms3.79z0.0, 10^16 NPT=3.160000, s57.00000,
Ms3.79z0.0, NP2=1.100000, s36.00000,
1-111.00000. Principal axes: T, 3.7420, P1g11.0000,
Az=36.0000; N, 0.1130, P1g2.0000, Az=128.0000; P
-3.8560, P1g74.0000, Az=266.0000; nsta1 refers to
body waves, cutoff=40s. nsta2 refers to surface waves,
cutoff=50s. Surface-wave location Triangular moment-rate

function
ISC 23 22:55:36.4, 0.8, 1.05S, 0.2:67.6E, 0.2, h15km, n33,
c1900/12, mb3.8/11, MS4.2/22, Carlsberg Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like H08N2, H08N3, H08N1, etc.

IDC 23 22:58:18.9, 0.7, 0.87S, 67.55E, h0km, mb4.0/14,
mb1 4.2/14, mb1mx3.9/48, mbtmp4.0/14, MS5.0/1,
Ms1 5.0/1, ms1mx3.4/40, Error ellipse: s-maj=21.7km
s-min=17.7km az=3.0

ISCJB 23 22:58:19.0, 0.6, 0.85S, 0.1:67.6E, 0.1, h15km, mb4.0/14,
MS5.0/1, Error ellipse: s-maj=18.4km s-min=14.6km
az=175.8

NEIC 23 22:58:20.5, 0.5, 0.86S, 67.55E, h10km, mb4.2/1, Error
ellipse: s-maj=15.6km s-min=12.2km az=173.0

ISC 23 22:58:21.3, 0.7, 0.95S, 0.2:67.7E, 0.1, h15km, n20,
c088/17, mb4.0/14, Carlsberg Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like H08N2, H08N3, H08N1, etc.

ISCJB 23 22:59:35.5, 0.5, 44.07N, 0.02:44.47E, 0.02, h1km, 3km,
mb3.5/1, Error ellipse: s-maj=3.5km s-min=2.6km az=30.4

MOS 23 22:59:36.7, 0.0, 43.94N, 44.43E, h8km, MPVA4.2
MOS 23 22:59:36.8, 1.0, 44.04N, 44.43E, h14km, mb4.2/2, Error
ellipse: s-maj=7.4km s-min=4.2km az=95.9

AZER 23 22:59:37.0, 3.0, 44.19N, 44.57E, h10km, mb3.1/7, Error
ellipse: s-maj=45.2km s-min=22.7km az=54.0

TF 23 22:59:38.1, 43.91N, 44.47E, h19km, 4km,
ISC 23 22:59:37.0, 0.9, 43.99N, 0.04:44.44E, 0.02, h14km, 6km,
n79, c1837/138, 12C-20D, Western Caucasus

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like PRTR, TRKR, TRKR, etc.

24d Oh

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like MYIG M6rida, PAYG Puerto Ayora, and many others.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like PCRV comp=Z,19nm,0.5s, 545A Edgard, and many others.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like 343A Vidalia, 253A Americus, and many others.

24d Oh

Table with columns for station ID, name, frequency, and signal strength. Includes stations like PTGA, S51A, S51B, S50A, etc.

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Table with columns for station ID, name, frequency, and signal strength. Includes stations like U32A, BLO, BLO, Q43A, etc.

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Table with columns for station ID, name, frequency, and signal strength. Includes stations like N51A, N51A, N51A, N51A, etc.

24d Oh

LBNH	comp=Z,333nm,1.4s	MLR	MLR		
LBNH	comp=Z,156µm,19.0s Lisbon baz=203,SNR=23	35.98	17	P	P
W13A	comp=Z,136nm,0.8s Hualapai Mount	36.00	318	eP	P
W13A	comp=Z,60µm,20.0s			LR	LR
F39A	comp=Z,171,SNR=41 Loretta	36.03	353	P	P
COWI	comp=Z,79nm,0.9s Conover	36.04	356	eP	P
COWI	comp=Z,67µm,18.0s Hinrichs Farm,	36.06	351	P	P
SWSC	comp=Z,122,SNR=40 Sam W. Stewart	36.09	314	P	P
FRNY	comp=Z,212nm,1.3s Flat Rock	36.10	14	eP	P
FRNY	comp=Z,126µm,21.0s Wooded Hills,	36.16	0	P	P
E45A	comp=Z,180,SNR=5.7 In-Ko-Pac, Jac	36.16	313	P	P
O20A	comp=Z,371nm,1.1s White River C	36.17	330	eP	P
O20A	comp=Z,8µm,18.0s White River C	36.17	330	P	P
F38A	comp=Z,140,SNR=110 Pierce - Schro	36.19	352	P	P
E43A	comp=Z,169,SNR=50 Lone Tree Farm	36.20	358	eP	P
E43A	comp=Z,230nm,1.3s			LR	LR
E43A	comp=Z,45µm,18.0s Lone Tree Farm	36.20	358	P	P
E43A	comp=Z,177,SNR=19	36.20	343	P	P
BC3	comp=Z,157,SNR=12 Big Chuckawall	36.23	315	P	P
LVC	comp=Z,123,SNR=116 Limon Verde	36.27	154	eP	P
LVC	comp=Z,65nm,1.2s			LR	LR
LVC	comp=Z,38µm,18.0s Limon Verde	36.27	154	eP	P
LVC	comp=Z,65nm,1.2s			MLR	MLR
NEE2	comp=Z,38µm,18.0s Needles Airpor	36.29	317	P	P
E42A	comp=Z,176,SNR=12 Champion	36.29	357	P	P
IRM	comp=Z,124,SNR=151 Iron Mountain	36.30	316	P	P
E41A	comp=Z,174 Kenton	36.39	356	P	P
PB10	comp=Z,25µm,21.0s IPOC Station P	36.39	157	eP	P
PB10	comp=Z,274nm,0.9s			LR	LR
E44A	comp=Z,43µm,18.0s Grand Marais A	36.42	359	eP	P
E44A	comp=Z,179,SNR=8.0 Grand Marais A	36.42	359	P	P
E39A	comp=Z,171,SNR=19 Mellen	36.45	354	P	P
E40A	comp=Z,172,SNR=17 Wakefield	36.45	355	P	P
PKCU	comp=Z,237nm,1.2s Pink Cliffs	36.49	323	eP	P
MONP2	comp=Z,121,SNR=35 Monument Peak	36.51	313	P	P
KNB	comp=Z,243nm,1.0s Kanab	36.52	322	eP	P
KNB	comp=Z,43µm,18.0s			LR	LR
KNB	comp=Z,243nm,1.0s			MLR	MLR
KNB	comp=Z,43µm,18.0s			LR	LR
BAR	comp=Z,117nm,1.4s Barrett	36.58	313	eP	P
BAR	comp=Z,46µm,19.0s San Rafael Swe	36.61	326	eP	P
SRU	comp=Z,287nm,1.1s			LR	LR
SRU	comp=Z,34µm,19.0s San Rafael Swe	36.61	326	eP	P
SRU	comp=Z,287nm,1.1s			MLR	MLR
E53A	comp=Z,193,SNR=66 Dumoino, Ponti	36.77	9	P	P
E38A	comp=Z,124nm,0.8s The Farm, Brul	36.78	353	eP	P
E38A	comp=Z,44µm,21.0s The Farm, Brul	36.78	353	P	P
LDFC	comp=Z,263nm,0.9s Landfair	36.80	317	eP	P
LDFC	comp=Z,70µm,21.0s			LR	LR
BELC	comp=Z,123,SNR=122 Belle Mtn. Jos	36.80	315	P	P
MTPU	comp=Z,272nm,1.3s Mount Pierson	36.81	324	eP	P
MTPU	comp=Z,56µm,19.0s			LR	LR
P18A	comp=Z,228nm,1.2s Preston Nutter	36.83	327	eP	P
P18A	comp=Z,22µm,21.0s Mont Orford	36.88	15	eP	P
RWWY	comp=Z,188nm,0.9s Rawlins	36.89	332	eP	P
RWWY	comp=Z,36µm,22.0s Lac Daplat, Po	36.90	9	P	P
XPFO	comp=Z,171nm,1.0s Pleon Flat	36.91	314	eP	P
XPFO	comp=Z,56µm,21.0s Pinyon Flats O	36.91	314	eP	P
PFO	comp=Z,171nm,1.0s			LR	LR
PFO	comp=Z,55µm,22.0s Pinyon Flats O	36.91	314	eP	P
PFO	comp=Z,171nm,1.0s			MLR	MLR
PFO	comp=Z,55µm,22.0s Pinyon Flats O	36.91	314	P	P
WVL	comp=Z,570nm,1.5s Waterville	36.95	19	eP	P
FRD	comp=Z,122,SNR=45 Ford Ranch, An	36.95	314	P	P
D41A	comp=Z,249nm,1.4s Chassel	36.96	356	eP	P
D41A	comp=Z,39µm,18.0s Chassel	36.96	356	P	P
P17A	comp=Z,192nm,0.9s Butcher Ranch,	36.99	327	eP	P
P17A	comp=Z,29µm,19.0s			LR	LR
109C	comp=Z,121,SNR=17 Camp Elliot, M	37.00	313	P	P
CPE	comp=Z,293nm,1.4s Camp Elliot	37.00	313	eP	P
CPE	comp=Z,23µm,20.0s			LR	LR
GMRC	comp=Z,124,SNR=77 Granite Mounta	37.00	316	P	P
SZCU	comp=Z,375nm,1.1s Shurtz Canyon	37.05	322	eP	P

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TMUT	comp=Z,207nm,1.2s Trail Mountain	37.12	326	eP	P
TMUT	comp=Z,24µm,19.0s			LR	LR
MSU	comp=Z,37.12,324 Marysvale	37.12	324	eP	P
MSU	comp=Z,37.12,324 Marysvale	37.12	324	eP	P
TRQ	comp=Z,37.19,12 Mont Tremblant	37.19	12	eP	P
CCUT	comp=Z,199nm,1.4s Cedar City	37.19	322	eP	P
CCUT	comp=Z,51µm,18.0s Three Creeks R	37.35	324	eP	P
TCRU	comp=Z,218nm,1.0s Casper	37.35	334	eP	P
K22A	comp=Z,217nm,1.3s			LR	LR
K22A	comp=Z,14µm,20.0s Casper	37.35	334	P	P
K22A	comp=Z,144,SNR=61 Murieta	37.43	314	P	P
HEC	comp=Z,121,SNR=73 Hector, Ludlow	37.49	316	P	P
TUQ	comp=Z,124,SNR=63 Turquoise Moun	37.55	317	P	P
RSSD	comp=Z,125,SNR=27 Black Hills	37.58	338	eP	P
RSSD	comp=Z,95nm,1.2s			ePcP	PcP
RSSD	comp=Z,46µm,22.0s Black Hills	37.58	338	eP	P
RSSD	comp=Z,95nm,1.2s			MLR	MLR
RSSD	comp=Z,46µm,22.0s Black Hills	37.58	338	P	P
BBRC	comp=Z,149 Big Bear Solar	37.58	315	P	P
SHPR	comp=Z,122,SNR=7 Sheep Range	37.67	319	eP	P
SHPR	comp=Z,200nm,1.4s			LR	LR
D54A	comp=Z,52µm,22.0s Lac Fusel, La	37.69	10	P	P
PKME	comp=Z,194,SNR=99 Peaks-Kenny Pk	37.69	19	eP	P
PKME	comp=Z,58µm,21.0s Peaks-Kenny Pk	37.69	19	P	P
EMMW	comp=Z,206,SNR=25 East Machias	37.81	21	eP	P
C40A	comp=Z,150nm,1.6s Royale Na	37.85	356	eP	P
C40A	comp=Z,45µm,18.0s Royale Na	37.85	356	P	P
C40A	comp=Z,174 Maple Canyon	37.86	326	eP	P
MPU	comp=Z,224nm,1.1s			LR	LR
RRX	comp=Z,27µm,19.0s Edison Barstow	37.97	316	P	P
SHOC	comp=Z,125,SNR=15 Shoshone, Teco	38.05	317	P	P
NLU	comp=Z,194,SNR=99 North Lily Mtn	38.06	326	eP	P
NLU	comp=Z,195nm,1.4s			LR	LR
GSC	comp=Z,34µm,19.0s Goldstone, Bar	38.07	316	eP	P
GSC	comp=Z,213nm,1.2s			LR	LR
GSC	comp=Z,41µm,19.0s Goldstone, Bar	38.07	316	eP	P
GSC	comp=Z,213nm,1.2s			MLR	MLR
GSC	comp=Z,41µm,19.0s Goldstone, Bar	38.07	316	P	P
BFCSC	comp=Z,124,SNR=72 Mount Baldy Ra	38.09	314	P	P
SCI2	comp=Z,122,SNR=30 San Clemente I	38.10	312	P	P
EYMN	comp=Z,119,SNR=6.0 Ely	38.10	353	eP	P
EYMN	comp=Z,73nm,1.0s			LR	LR
EYMN	comp=Z,42µm,21.0s Ely	38.10	353	P	P
PSUT	comp=Z,170 Pine Spring	38.12	323	eP	P
PSUT	comp=Z,155nm,0.8s			LR	LR
JLU	comp=Z,32µm,18.0s Jordanelle	38.17	327	eP	P
JLU	comp=Z,86nm,0.8s			LR	LR
CIS	comp=Z,38µm,22.0s Catalina Islan	38.21	312	P	P
FMP	comp=Z,120,SNR=29 Fort Macarthur	38.27	313	P	P
MWC	comp=Z,120 Mount Wilson	38.37	314	eP	P
MWC	comp=Z,279nm,1.4s			LR	LR
MWC	comp=Z,30µm,22.0s Mount Wilson	38.37	314	eP	P
MWC	comp=Z,279nm,1.4s			MLR	MLR
GGN	comp=Z,30µm,22.0s Saint George	38.39	21	eP	P
GGN	comp=Z,108nm,1.3s			LR	LR
CTU	comp=Z,69µm,20.0s Camp Tracy	38.40	327	eP	P
CTU	comp=Z,162nm,1.0s			LR	LR
PASC	comp=Z,39µm,20.0s Pasadena Art C	38.43	314	eP	P
PASC	comp=Z,412nm,1.5s			LR	LR
VLDQ	comp=Z,37µm,22.0s Val d'Or	38.49	9	eP	P
VLDQ	comp=Z,276nm,1.3s			LR	LR
TCUT	comp=Z,183µm,19.0s Toone Canyon	38.52	328	eP	P
TCUT	comp=Z,53nm,1.5s			LR	LR
DECC	comp=Z,33µm,22.0s Green Verdugo	38.58	314	P	P
DUG	comp=Z,121,SNR=52 Dugway, Toeole	38.63	326	eP	P
DUG	comp=Z,49µm,19.0s Dugway, Toeole	38.63	326	eP	P
DUG	comp=Z,164nm,1.2s			MLR	MLR
DUG	comp=Z,49µm,19.0s Dugway, Toeole	38.63	326	P	P
TPNV	comp=Z,133,SNR=86 Topopah Spring	38.64	319	eP	P
TPNV	comp=Z,42µm,21.0s Topopah Spring	38.64	319	eP	P
TPNV	comp=Z,257nm,1.1s			MLR	MLR
TPNV	comp=Z,42µm,21.0s Topopah Spring	38.64	319	P	P
EDW2	comp=Z,126,SNR=219 Edwards Air Fo	38.66	315	P	P
FURC	comp=Z,122,SNR=52 Furnace Creek,	38.76	318	P	P
LRMC	comp=Z,125,SNR=137 Laurel Mtn Rad	38.77	316	P	P
BW06	comp=Z,123,SNR=18 Boulder Array	38.82	331	eP	P
BW06	comp=Z,119nm,1.0s			ePcP	PcP

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BW06	comp=Z,37µm,22.0s Boulder Array	38.82	331	P	P
BW06	comp=Z,140,SNR=104 Pinedale Array	38.82	331	eP	P
PD31	comp=Z,50nm,0.9s,slow=8.1,SNR=141 Pinedale Array	38.82	331	P	P
PDAR	comp=Z,18nm,0.7s,baz=120,slow=4.5,SNR=8.1 Pinedale Array	38.82	331	eP	P
PDAR	comp=Z,33µm,21.0s,baz=138,slow=4.1 Pinedale Array	38.82	331	eP	P
PDAR	comp=Z,8.7nm,0.9s,baz=127,slow=4.2,SNR=6.6 Pinedale Array	38.82	331	eP	P
SNCC	comp=Z,507nm,1.5s San Nicolas Is	38.94	312	eP	P
SNCC	comp=Z,33µm,21.0s San Nicolas Is	38.94	312	P	P
MPMC	comp=Z,118 Manual Prospec	39.05	317	P	P
BLG	comp=Z,124,SNR=239 Laguna Peak, P	39.03	313	P	P
OSI	comp=Z,120 Osito Audit: C	39.04	314	eP	P
OSI	comp=Z,184nm,1.2s			LR	LR
OSI	comp=Z,26µm,18.0s Osito Audit: C	39.04	314	P	P
R11A	comp=Z,121 Rory Canyon, C	39.06	321	eP	P
R11A	comp=Z,134nm,1.1s			LR	LR
R11A	comp=Z,45µm,19.0s Rory Canyon, C	39.06	321	P	P
AGMN	comp=Z,128,SNR=144 Agassiz Nation	39.11	349	eP	P
AGMN	comp=Z,258nm,1.1s			ePcP	PcP
AGMN	comp=Z,43µm,18.0s Agassiz Nation	39.11	349	P	P
DAC	comp=Z,163,SNR=111 Darwin (Calif)	39.14	317	eP	P
DAC	comp=Z,118nm,1.0s			ePcP	PcP
DAC	comp=Z,48µm,21.0s Darwin (Calif)	39.14	317	eP	P
DAC	comp=Z,118nm,1.0s			MLR	MLR
SPUT	comp=Z,48µm,21.0s South Promonto	39.21	327	eP	P
SPUT	comp=Z,274nm,1.2s			LR	LR
HAL	comp=Z,33µm,20.0s Halifax				

RLMT	Red Lodge	40.52 334	P	P	00 53 11.1 -0.4
BATG	Bathurst New B	40.53 20	eP	P	00 53 10.7 -0.5
BATG	comp-Z,215nm,1.0s		LR	LR	
H17A	Grant Village	40.54 332	eP	P	00 53 12.6 +0.9
H17A	comp-Z,138nm,1.3s		LR	LR	
H17A	comp-Z,49um,22.0s		LR	LR	
H17A	Grant Village	40.54 332	P	P	00 53 12.5 +0.8
YPP	Pitchstone Pia	40.55 332	eP	P	00 53 12.6 +0.7
YPP	comp-Z,54nm,1.0s		LR	LR	
LAO	LASA Array	40.57 338	eP	P	00 53 10.6 -1.2
LAO	comp-Z,224nm,1.3s		ePcP	PcP	
LAO	comp-Z,44um,22.0s		LR	LR	
LAO	LASA Array	40.57 338	P	P	00 53 11.1 -0.6
LKWY	Lake	40.59 332	eP	P	00 53 12.6 +0.4
LKWY	comp-Z,69nm,0.8s		LR	LR	
LKWY	comp-Z,10um,18.0s		LR	LR	
LKWY	Lake	40.59 332	eP	P	00 53 12.6 +0.4
LKWY	comp-Z,69nm,0.8s		MLR	MLR	
LKWY	comp-Z,10um,18.0s		MLR	MLR	
BENR	Benton	40.59 318	eP	P	00 53 14.2 +1.9
PAGB	Antelope Grade	40.68 314	eP	P	00 53 13.9 +1.1
PAGB	comp-Z,556nm,1.0s		LR	LR	
PAGB	comp-Z,38um,21.0s		LR	LR	
MLAC	Mammoth, Mammo	40.72 318	P	P	00 53 15.5 +2.3
MLAC	baz=124,SNR=12				
NV11	Minna Array Sit	40.73 319	eP	P	00 53 15.2 +1.9
NV11	comp-Z,25nm,1.0s		LR	LR	
NV11	comp-Z,3um,20.0s		LR	LR	
GBN	Guysborough	40.73 26	eP	P	00 53 12.7 -0.2
GBN	comp-Z,74nm,0.9s		LR	LR	
GBN	comp-Z,64um,19.0s		LR	LR	
NV01	Minna Array Sit	40.82 319	eP	P	00 53 14.2 +0.2
NVAR	Minna Array Bea	40.82 319	P	P	00 53 14.4 +0.3
NVAR	comp-Z,134nm,0.7s,baz=127,slow=6.4,SNR=406		PcP	PcP	
NVAR	comp-Z,50nm,0.7s,baz=131,slow=4.1,SNR=7.2		ScP	ScP	
NVAR	comp-Z,8.4nm,0.8s,baz=130,slow=4.9,SNR=6.2		LR	LR	
NVAR	comp-Z,41um,20.2s,baz=139,slow=33		LR	LR	
MDPB	Devils Postpil	40.88 318	eP	P	00 53 14.8 +0.2
MDPB	comp-Z,259nm,1.0s		LR	LR	
MDPB	comp-Z,49um,21.0s		LR	LR	
YMR	Madison River	40.93 332	eP	P	00 53 15.0 +0.1
YMR	comp-Z,213nm,1.2s		LR	LR	
YHR	Holmes Hill	40.97 332	eP	P	00 53 15.7 +0.4
YHR	comp-Z,75nm,1.0s		LR	LR	
YHH	comp-Z,16um,21.0s		LR	LR	
ULM	Lac du Bonnet	40.99 350	P	P	00 53 13.1 -1.8
ULM	comp-Z,114nm,0.8s,baz=169,slow=8.1,SNR=54		PcP	PcP	
ULM	comp-Z,42nm,0.6s,baz=243,slow=2.6,SNR=7.3		LR	LR	
ULM	comp-Z,36um,18.7s,baz=168,slow=40		P	P	01 12 29.5
ULM	Lac du Bonnet	40.99 350	P	P	00 53 13.0 -2.0
ULM	comp-Z,164nm,0.9s		LR	LR	
ULM	Kaiserville	41.05 320	eP	PcP	PcP
KVN	comp-Z,250nm,1.2s		LR	LR	
KVN	comp-Z,41um,20.0s		LR	LR	
KVN	Kaiserville	41.05 320	eP	P	00 53 16.2 +0.2
KVN	comp-Z,250nm,1.2s		MLR	MLR	
KVN	comp-Z,41um,20.0s		MLR	MLR	
RYN	Ryan	41.08 319	eP	P	00 53 18.0 +1.8
RYN	comp-Z,238nm,1.0s		LR	LR	
RYN	comp-Z,32um,21.0s		LR	LR	
YHB	Horse Butte	41.10 332	eP	P	00 53 17.6 +1.3
YHB	comp-Z,69nm,0.9s		LR	LR	
GCMT	Greycliff	41.22 334	eP	P	00 53 16.7 -0.5
QLMT	Earthquake Lak	41.27 332	eP	P	00 53 18.6 +0.9
PMPB	Monarch Peak	41.31 315	eP	P	00 53 18.1 +0.1
PMPB	comp-Z,350nm,1.2s		LR	LR	
PMPB	comp-Z,32um,22.0s		LR	LR	
BMN	Battle Mountai	41.34 322	eP	P	00 53 19.3 +1.1
BMN	comp-Z,686nm,1.4s		LR	LR	
BMN	comp-Z,34um,19.0s		LR	LR	
BMN	Battle Mountai	41.34 322	eP	P	00 53 19.3 +1.1
BMN	comp-Z,686nm,1.4s		MLR	MLR	
BMN	comp-Z,34um,19.0s		MLR	MLR	
LCO	Las Campanas	41.36 160	eP	P	00 53 17.4 -1.2
LCO	comp-Z,94nm,1.1s		LR	LR	
LCO	Las Campanas	41.36 160	eP	P	00 53 17.4 -1.2
LCO	comp-Z,94nm,1.1s		MLR	MLR	
DGMT	Dagmar	41.41 341	eP	P	00 53 18.1 -0.4
DGMT	comp-Z,136nm,0.8s		LR	LR	
DGMT	comp-Z,34um,20.0s		LR	LR	
DGMT	Dagmar	41.41 341	P	P	00 53 17.9 -0.6
WAKR	Walker	41.60 319	eP	P	00 53 21.2 +0.7
WAKR	comp-Z,705nm,1.4s		LR	LR	
WAKR	comp-Z,63um,22.0s		LR	LR	
MYLM	Yosemite Lake	41.65 316	eP	P	00 53 22.5 +1.9
BBBG	Big Mountain B	41.66 315	eP	P	00 53 22.6 +1.7
YERR	Yerington	41.74 319	eP	P	00 53 22.2 +0.6
YERR	comp-Z,276nm,1.1s		LR	LR	
HLID	Hailey	41.82 328	eP	P	00 53 22.4 +0.2
HLID	comp-Z,98nm,0.9s		LR	LR	
HLID	comp-Z,43um,20.0s		LR	LR	
HLID	Hailey	41.82 328	P	P	00 53 22.7 +0.5
HLID	baz=134,SNR=99				
BOZ	Bozeman (W)	41.94 332	eP	P	00 53 23.2 +0.2
BOZ	comp-Z,176nm,1.2s		LR	LR	
BOZ	Bozeman (W)	41.94 332	eP	P	00 53 23.3 +0.2
BOZ	comp-Z,176nm,1.2s		MLR	MLR	
BOZ	comp-Z,24um,22.0s		MLR	MLR	
BOZ	Bozeman (W)	41.94 332	P	P	00 53 23.2 +0.2
BOZ	baz=139,SNR=149				
MCMT	McKenzie Canyo	41.94 331	eP	P	00 53 24.0 +0.8
CMB	Columbia Colle	41.97 317	eP	P	00 53 23.8 +0.5
CMB	comp-Z,257nm,1.3s		eScP	ScP	
CMB	comp-Z,33um,22.0s		LR	LR	
CMB	Columbia Colle	41.97 317	eP	P	00 53 23.8 +0.5
CMB	comp-Z,257nm,1.3s		MLR	MLR	
CMB	comp-Z,33um,22.0s		MLR	MLR	
LTR	Lone Tree Road	42.00 315	P	P	00 53 25.2 +1.7
PNTR	Pine Nut	42.03 319	eP	P	00 53 24.7 +0.7
PNTR	comp-Z,176nm,0.8s		LR	LR	
SAO	San Andreas Ge	42.03 315	eP	P	00 53 24.0 +0.2
SAO	comp-Z,95nm,0.8s		LR	LR	

SAO	San Andreas Ge	42.03 315	eP	P	00 53 24.0 +0.2
SAO	comp-Z,95nm,0.8s		MLR	MLR	
SAO	comp-Z,37um,21.0s		MLR	MLR	
VCNR	Virginia City	42.18 319	eP	P	00 53 25.8 +0.6
VCNR	comp-Z,153nm,1.2s		LR	LR	
VCNR	comp-Z,38um,19.0s		LR	LR	
DLMT	Dillon	42.22 331	eP	P	00 53 25.6 +0.3
DLMT	comp-Z,189nm,1.2s		LR	LR	
DLMT	comp-Z,15um,20.0s		LR	LR	
LCCM	Lucas	42.24 332	eP	P	00 53 25.7 +0.1
PAHR	Pah Rah Rang	42.24 320	eP	P	00 53 26.1 +0.5
PAHR	comp-Z,230nm,1.3s		LR	LR	
PAHR	comp-Z,33um,20.0s		LR	LR	
RUBR	Rubicon Trail	42.37 319	eP	P	00 53 27.2 +0.4
RUBR	comp-Z,287nm,1.2s		LR	LR	
RUBR	comp-Z,45nm,0.8s		MLR	MLR	
GO04	Goat	42.40 161	eP	P	00 53 27.5 +0.4
GO04	comp-Z,152nm,1.1s		LR	LR	
GO04	comp-Z,14um,19.0s		LR	LR	
LRM	Limekiln Ridge	42.49 332	eP	P	00 53 27.6 -0.1
AFDM	Forest Hill D	42.85 318	eP	P	00 53 30.5 +0.1
AFDM	comp-Z,108nm,1.3s		LR	LR	
HRV	Holler Researc	42.88 333	eP	P	00 53 30.5 -0.2
BEKR	Beckworth	42.95 320	eP	P	00 53 31.6 +0.1
BEKR	comp-Z,121nm,1.1s		LR	LR	
BEKR	comp-Z,40um,20.0s		LR	LR	
EGMT	Eagleton	43.03 336	eP	P	00 53 32.2 +0.3
EGMT	comp-Z,80nm,0.8s		LR	LR	
EGMT	comp-Z,30um,21.0s		LR	LR	
EGMT	Eagleton	43.03 336	P	P	00 53 31.6 -0.3
EGMT	baz=143,SNR=20				
WVOR	Wild Horse Val	43.41 324	eP	P	00 53 35.4 +0.3
WVOR	comp-Z,953nm,1.1s		LR	LR	
WVOR	comp-Z,26um,20.0s		LR	LR	
WVOR	Wild Horse Val	43.41 324	eP	P	00 53 35.4 +0.3
WVOR	comp-Z,353nm,1.1s		MLR	MLR	
WVOR	comp-Z,26um,20.0s		MLR	MLR	
ORV	Oroville	43.52 319	eP	P	00 53 36.3 +0.5
ORV	comp-Z,592nm,1.4s		LR	LR	
ORV	comp-Z,34um,22.0s		LR	LR	
ORV	Oroville	43.52 319	eP	P	00 53 36.3 +0.5
ORV	comp-Z,592nm,1.4s		MLR	MLR	
RPN	Rapa Nui	43.68 212	PFAKE	LR	00 53 50.0 +1.3
RPN	comp-Z,53um,22.0s		LR	LR	
MCCM	Marconi Cent	43.71 316	eP	P	00 53 38.2 +0.9
MCCM	comp-Z,449nm,1.3s		LR	LR	
MCCM	comp-Z,28um,22.0s		LR	LR	
J08A	Circle Bar Ran	43.90 325	eP	P	00 53 39.1 +0.1
J08A	comp-Z,146nm,1.0s		LR	LR	
J08A	comp-Z,29um,20.0s		LR	LR	
MSO	Missoula	43.93 332	eP	P	00 53 38.7 -0.5
MSO	comp-Z,174nm,1.3s		LR	LR	
MSO	comp-Z,37um,21.0s		P	P	00 53 38.8 -0.3
MSO	Missoula	43.93 332	P	P	00 53 38.8 -0.3
MSO	baz=137,SNR=92				
GDXM	Geysers	43.98 317	eP	P	00 53 40.3 +0.6
GDXM	comp-Z,180nm,1.3s		LR	LR	
GDXM	comp-Z,41um,20.0s		LR	LR	
MOD	Modoc Plateau	44.08 322	eP	P	00 53 40.4 -0.1
MOD	comp-Z,151nm,1.3s		ePcP	PcP	
MOD	comp-Z,35um,20.0s		MLR	MLR	
O03E	Paynes Creek	44.11 319	P	P	00 53 41.0 +0.4
O03E	baz=123,SNR=31				
LBCM	Butte Creek Ri	44.12 320	eP	P	00 53 41.7 +0.9
BMO	Blue Mountains	44.23 327	eP	P	00 53 40.4 -1.1
BMO	comp-Z,145nm,1.3s		LR	LR	
BMO	comp-Z,21um,20.0s		LR	LR	
BMO	Blue Mountains	44.23 327	eP	P	00 53 40.4 -1.1
BMO	comp-Z,145nm,1.3s		MLR	MLR	
HOPS	Hoynd Field	44.27 317	eP	P	00 53 41.9 +0.1
HOPS	comp-Z,231nm,1.4s		LR	LR	
HOPS	comp-Z,32um,20.0s		LR	LR	
O02D	Mt. Diablo Me	44.69 319	P	P	00 53 44.8 -0.4
O02D	baz=192,SNR=22				
WDC	Whiskeytown D	44.74 319	eP	P	00 53 45.0 -0.6
WDC	comp-Z,48nm,1.1s		LR	LR	
WDC	Whiskeytown Da	44.74 319	eP	P	00 53 45.0 -0.6
WDC	comp-Z,21um,20.0s		MLR	MLR	
WDC	comp-Z,48nm,1.1s		MLR	MLR	
JTMT	Jette	44.76 332	eP	P	00 53 4

1111

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like PPTF PPTF, PPT Papeete, PPT2 Papeete2, etc.

2012 OCT

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like VAL Valentia, VAL Monsan, LIS Lisbon, etc.

24d 0h

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like ANM, ANM Nome, ANM UNV, etc.

24d Oh

2012 OCT

Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like AKASG Malin Array Be, MLR Muntele Rosu, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like BFZ Birch Farm, YAK Yakutsk, WAKE Wake Island, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like PATS, NVS Novosibirsk, LSZ Lusaka, ZAAO Zalesovo Array, etc.

24d 3h

Table with columns: Code, Station Name, Az, El, P, S, T, Res. Includes stations like Mountain View, Weedeman Farm, Beattyville, etc.

ISCJB 24 02:05:52.0.0.6, 42.912N, 103.7672E, 0.04, h8km, 4km, Error ellipse: s-maj=5.9km s-min=3.5km az=146.7

2012 OCT

Main table with columns: TNSS, Station Name, Az, El, P, S, T, Res. Includes stations like Tian-Shan, Tianshan, Maiteube, etc.

MAN 24 02:47:14.4, 11.35N, 125.40E, h22km, 5b4.5, ML3.4, MS3.2, 1C, Samar

1118

Table with columns: OCLP, Station Name, Az, El, P, S, T, Res. Includes stations like Ormoc, Maasin, Catarman, etc.

MAN 24 02:47:14.4, 11.35N, 125.40E, h22km, 5b4.5, ML3.4, MS3.2, 1C, Samar

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H11N1 WAKE ISLAND, H11N2 WAKE ISLAND, ZAA1 Zalesovo Array, etc.

KRSC 24 03:50:38.6-0.5,55.58N,162.19E,h69km,10km,ML3.7, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KRSC Krutoberegovo, ZLN Zelenaya, BZGR Bezymyanni-Gr, etc.

JMA 24 03:59:36.3-0.2,23.68N,120.90E,h0km,M3.5, ISCJB 24 03:59:37.9-0.2,23.67N,120.92E,0.01,1h1km,1km, Error ellipse: s-maj=2.0km s-min=1.6km az=37.2

TAP 24 03:59:37.0,23.67N,120.91E,h13km,ML3.6,B ISC 24 03:59:37.7-0.6,23.68N,120.91E,0.01,1h17km,5km, n101,0F93/157,3C-13,Taiwan

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WCHH Zhanghua, WCHH Taichung, TCU Taichung, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WFSB Wu-fen Shan, WFSB Yonaguni jima, PTTC Pingtan, etc.

24d 6h

Table with columns: Station, Name, Az, El, P, Res, and other details for stations like ZALV, BVAR, KMBO, etc.

MOS 24 06:50:42.7,0.7,54.72N:163.62W, h58km, mb4.8/62, Error ellipse: s-maj=8.7km s-min=5.0km az=78.2

ISCB 24 06:50:46.8,0.2,54.75N:163.44W:0.02, h97km, 1km, mb4.5/189, Error ellipse: s-maj=3.7km s-min=2.1km

IDC 24 06:50:47.0,0.7,54.81N:163.61W, h80km, 5km, mb4.1/38, m1 4.3/42, mb1mx2.6/20, mbmp4.4/22, MS3.2/14, Mb1 3.2/14, mb1mx3.0/53, Error ellipse: s-maj=13.1km s-min=8.2km az=180.0

NEIC 24 06:50:48.5,0.5,54.78N:163.18W, h68km, mb4.7/107, ML4.4(AEIC), After A9C

ISC 24 06:50:47.6,0.5,54.79N:163.47W:0.04, h88km, 3km, h88km: p-P, n681, c1922710, mb4.6/189, C8, Unimark

Main table for 24d 6h section, listing station codes, names, and various parameters like Az, El, P, Res, etc.

2012 OCT

Main table for 2012 OCT section, listing station codes, names, and various parameters like Az, El, P, Res, etc.

1122

Main table for 1122 section, listing station codes, names, and various parameters like Az, El, P, Res, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like PHWY Pilot Hill, ULM Lac du Bonnet, ULM, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like K42A Prairie Point, N40A Mertzquae, WMOK Wichita Mouta, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like R45A Skylar, Fairfri, 435B Jarrell, 435B Jarrell, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Union, Pikeville, Mont Chateau, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like SFK, CLL, AKASG, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like ETSF, PGF, ES19, etc.

IDC 24 07:01:39.3:63.0,51°52N:133°66E, h0km Error ellipse: s-maj=228.7km s-min=142.0km az=180.0, Southeastern Siberia

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like I45RU, I44RU, I30JP.

NIED 24 07:05:00.36:60N:140°90E, h53km, Mw4.5 Best double couple: M5.39000±1015 NP1±120.00000°, δ28.00000°, λ15.00000° NP2±9±15.00000° δ83.00000°, λ117.00000°

JMA 24 07:05:40.3:0.1, 36°53N:140°85E, h51km±1km, M4.5 JMA Fell IV J1

MOS 24 07:05:40.6:1.0, 36°77N:140°80E, h57km, mb4.8/51, Error ellipse: s-maj=7.7km s-min=5.3km az=107.5

NEIC 24 07:05:43.3:0.5, 36°47N:140°75E, h77km±4km, mb4.6/42, Error ellipse: s-maj=5.0km s-min=4.4km az=154.0

NEIC Recorded [4 JMA] in Ibaraki, ISC 24 07:05:40.0:0.5, 36°53N:140°90E±0°05, h49km±3km, h49km±3km, N240, 0°19°39'25", 104.6°59', MS3.7/11, 9C-1D,

Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like JHO, JHU, JFY, etc.

Table with columns: Station Name, Frequency, Band, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like Ternei, Chichi jima, Kuril'sk, Ussuriysk Arr, etc.

Table with columns: Station Name, Frequency, Band, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like Tiksi, Nongkai, Chaiyaphum, Jazazzart, Urumqi, etc.

Table with columns: Station Name, Frequency, Band, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like Resolute Bay, Alibek, ARAO ARCESS Array B, etc.

24d 7h

LIT	comp=Z,2.2nm,0.3s Litokhoron	85.09 317	eP	P	07 18 10.1	-0.6
LIT	comp=Z,2.26nm,1.1s Litokhoron	85.09 317	ePmax	Pmax	07 18 10.1	-0.6
BFO	Black Forest	85.57 331	eP	P	07 18 11.2	-1.8
BFO	comp=Z,8.8nm,1.1s Black Forest	85.57 331	ePP	SP	07 18 32.1	-0.4
BFO	comp=Z,8.8nm,1.1s Black Forest	85.57 331	ePP	SP	07 18 11.2	-1.8
BFO	comp=Z,8.8nm,1.1s Black Forest	85.57 331	ePP	SP	07 18 32.2	-0.4
TAOE	comp=Z,9.0nm,1.1s Nuku Hiva Isla	86.39 104	eLR	LR	07 45 26.9	
JFWS	comp=Z,7.1nm,26.6s Jewell Farm	88.19 35	eP	P	07 18 26.1	+0.3
JFWS	comp=Z,2.2nm,0.6s Jewell Farm	88.19 35	eP	Pmax	07 18 26.1	+0.3
JFWS	comp=Z,2.0nm,0.6s Jewell Farm	88.57 121	eT	T	08 56 15.7	
TBI	comp=Z,1.4nm,0.3s Tubuai	88.57 121	eT	T	08 56 15.7	
LTX	Lajitas	90.70 52	eP	P	07 18 39.0	+1.1
LTX	Lajitas	90.70 52	eP	P	07 18 39.0	+1.1
TXAR	Lajitas Array	90.70 52	eP	P	07 18 39.0	+1.1
LPZ	comp=Z,0.4nm,0.5s,baz=303,slow=3.6,SNR=8.6 La Paz	147.25 60	ePKPbc	PKPbc	07 25 20.1	+0.9
LPZ	comp=Z,0.7nm,0.6s,baz=9.5,slow=5.3,SNR=4.4 La Paz	147.25 60	ePKPbc	PKPbc	07 25 15.4	-1.5
LPZ	comp=Z,0.7nm,0.6s,baz=9.5,slow=5.3,SNR=4.4 La Paz	147.25 60	ePKPbc	PKPbc	07 25 15.4	-1.5
PLCA	comp=Z,1.5nm,0.9s,baz=271,slow=4.6,SNR=3.0 Paso Flores	155.09 109	ePKP	PKPbc	07 25 25.1	-2.3

SJA 24 07:12:33.7z.2.7,31.79Sx72.66W,h20km,72km,ML3.9,MMV3.6

GUC 24 07:12:40.4-0.6,31.777S,72.03W,h34km,2km,ML3.8
ISC 24 07:12:34.6-3.4,31.76S,0.04,72.4W,0.1,h1km,18km,n33,
e232/47,5C-1D,Off coast of central Chile

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
				h m s	ISC
CMCH	Combarbala	1.31 64	eP	07 12 59.2	-0.8
CMCH	Combarbala	1.31 64	eP	07 13 14.1	-3.2
ROC1	Ei Roble	1.68 137	iP	07 13 06.9	+1.6
ROC1	Ei Roble	1.68 137	iP	07 13 26.9	-0.6
ROCH	Ei Roble	1.68 137	iP	07 13 06.5	+1.3
ROCH	Ei Roble	1.68 137	iP	07 13 26.7	-0.8
ROCH	Ei Roble	1.68 137	iP	07 13 34.8	
PEL	Peledueh	1.99 135	iP	07 13 11.0	+1.6
PEL	Peledueh	1.99 135	iP	07 13 34.0	-0.9
PEL	Peledueh	1.99 135	iP	07 13 11.0	+1.6
PEL	Peledueh	1.99 135	iP	07 13 34.0	-0.9
CLCH	Cerro Calan	2.26 137	iP	07 13 15.0	+1.9
CLCH	Cerro Calan	2.26 137	iP	07 13 40.9	-0.6
ANTU	Antumapu	2.33 141	eP	07 13 16.1	+2.0
ANTU	Antumapu	2.33 141	eP	07 13 43.2	-0.1
ANTU	Antumapu	2.33 141	eP	07 13 55.5	
FCH	Farellones	2.36 132	iP	07 13 16.3	+1.6
FCH	Farellones	2.36 132	iP	07 13 45.1	
FCH	Farellones	2.36 132	iP	07 13 54.5	
AUSP	Uspallata	2.58 101	eP	07 13 20.7	-1.1
RTLS	Uspallata	2.58 101	eP	07 13 11.3	-1.2
RTLS	Uspallata	2.58 101	eP	07 13 53.6	-1.7
RTLS	Uspallata	2.58 101	eP	07 13 55.4	
LMEL	Las Melosas	2.78 139	iP	07 13 22.9	+2.6
LMEL	Las Melosas	2.78 139	iP	07 13 54.0	+0.5
LMEL	Las Melosas	2.78 139	iP	07 14 10.8	
AROD	Rodeo	2.95 58	eP	07 13 25.9	+3.0
AROD	Rodeo	2.95 58	eP	07 14 05.3	+0.4
ACCO	Cerro Coronel	3.07 69	iP	07 13 27.6	+3.2
ACCO	Cerro Coronel	3.07 69	iP	07 14 05.6	-2.5
LCO	Las Campanas	3.09 28	iP	07 13 25.6	+0.8
LCO	Las Campanas	3.09 28	iP	07 13 25.5	+0.7
LCO	Las Campanas	3.09 28	iP	07 14 01.5	-1.0
LCO	Las Campanas	3.09 28	iP	07 14 18.4	
ARCO	CERRO ARCO	3.11 111	eP	07 13 29.7	-1.0
ARCO	CERRO ARCO	3.11 111	eP	07 14 16.3	
ASAL	Salagasta	3.12 106	eP	07 13 29.2	-1.6
ASAL	Salagasta	3.12 106	eP	07 14 14.8	0.0
ZON	Zonda	3.16 87	eP	07 13 30.7	-0.8
ACDV	Cuesta del Vie	3.21 61	iP	07 13 29.6	+3.3
ACDV	Cuesta del Vie	3.21 61	iP	07 14 11.7	-0.5
SJA	San Juan	3.26 87	eP	07 13 22.3	-4.6
RTCV	Cerro Valdivia	3.27 93	eP	07 13 30.3	+0.7
RTCV	Cerro Valdivia	3.27 93	eP	07 14 12.3	-1.3
RLLL	Cerro Villucun	3.36 84	eP	07 13 32.2	+4.0
RLLL	Cerro Villucun	3.36 84	eP	07 13 32.2	+4.0
RLLL	Cerro Villucun	3.36 84	eP	07 14 14.8	-1.5
AMOG	MOGNA	3.42 77	eP	07 13 32.9	+3.9
AGUA	GUANDACOL	4.04 57	eP	07 13 41.6	+3.9
AGUA	GUANDACOL	4.04 57	eP	07 13 47.1	+4.0
APLL	PUNTA DE LOS L	5.20 76	eP	07 13 57.0	+3.5
APLL	PUNTA DE LOS L	5.20 76	eP	07 15 06.2	
ACL	CERRO LA CRUZ	5.22 65	eP	07 13 57.3	+3.4
MRA	San Martin	5.69 98	eP	07 14 02.6	+2.3
MRA	San Martin	5.69 98	eP	07 15 36.6	
CYA	Choya	6.58 62	eP	07 15 00.7	+2.0
164	Tanti	6.65 68	eP	07 15 16.4	+2.8
TCA	Tanti	6.65 68	eP	07 14 18.3	+4.8
AHML	Horco Molle	7.89 53	eP	07 14 33.8	+3.2
FSA	Cafayate	9.94 47	eP	07 14 39.8	+8.5
SLA	San Lorenzo	9.26 43	eP	07 14 59.7	+1.0

ISB 24 07:12:42.9,36.06N,27.26E,h13km,ML2.6/6
ISCJB 24 07:12:43.0-0.6,36.02N,0.02-27.26E,0.03,h5km,4km,
Error ellipse: s-maj=4.9km s-min=3.3km az=135.5

ATH 24 07:12:43.3,35.99N,27.30E,h31km,2km,ML2.3/8, Error
ellipse: s-maj=2.9km s-min=1.1km az=99.0

DDA 24 07:12:44.8,36.04N,27.37E,h26km,ML2.4
ISC 24 07:12:42.7z.1.2,36.04N,0.03-27.29E,0.02,h12km,10km,
n32,1941/49,Dodecanese Islands

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
				h m s	ISC
KARP	Karpathos	0.50 192	PG	07 12 53.5	+1.1
KARP	Karpathos	0.50 192	PG	07 13 01.3	+0.7
KARP	Karpathos	0.50 192	P	07 12 53.3	-0.1
KARP	Karpathos	0.50 192	S	07 13 00.4	+0.3
KARP	Karpathos	0.50 192	S	07 13 01.7	
KARP	Karpathos	0.50 192	S	07 13 01.9	
NIS1	Nisyros Isl.	0.57 351	PG	07 12 54.5	-0.2
NIS1	Nisyros Isl.	0.57 351	PG	07 13 01.8	-1.0
NISR	Nisiro	0.59 347	P	07 12 56.8	-0.1
NISR	Nisiro	0.59 347	S	07 13 05.8	-0.6
NISR	Nisiro	0.59 347	S	07 13 06.5	
NISR	Nisiro	0.59 347	S	07 13 08.0	
ARG	Arkhangelos	0.70 75	PG	07 12 57.4	+0.5
ARG	Arkhangelos	0.70 75	PG	07 13 07.8	+1.3
ARG	Arkhangelos	0.70 75	P	07 12 57.7	+0.8
ARG	Arkhangelos	0.70 75	S	07 13 07.6	+1.1
ARG	Arkhangelos	0.70 75	S	07 13 10.8	
ARG	Arkhangelos	0.70 75	S	07 13 11.3	
DAT	Data	0.73 19	PG	07 12 57.6	+0.2
DAT	Data	0.73 19	PG	07 13 07.7	+0.3
DAT	Data	0.73 19	iP	07 12 58.7	-0.2
DAT	Data	0.73 19	iP	07 13 10.1	0.0
DAT	Data	0.73 19	iP	07 12 58.4	+0.2
BODT	Bodrum	1.02 1	PG	07 13 02.7	-0.2
BDRM	Kayabasi	1.03 7	P	07 13 16.1	+3.0
BDRM	Kayabasi	1.03 7	iS	07 13 19.4	+1.9
ANAF	Anafani Island	1.27 285	P	07 13 07.7	+0.6

2012 OCT

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
				h m s	ISC
ANAF	ANAF		S	07 13 24.6	+1.5
ANAF	ANAF		AML	07 13 27.9	
ANAF	ANAF		AML	07 13 28.9	
ZKR	Zakros	1.27 224	P	07 13 07.0	-0.1
ZKR	Zakros	1.27 224	S	07 13 23.6	0.0
ZKR	Zakros	1.27 224	S	07 13 26.9	
ZKR	Zakros	1.27 224	S	07 13 27.6	
MLSB	Milas	1.32 17	PN	07 13 07.2	-0.2
DALY	Dalyan (Mu'la	1.35 54	PN	07 13 07.6	+0.3
DALY	Dalyan (Mu'la	1.35 54	PN	07 13 08.8	+0.1
DALY	Dalyan (Mu'la	1.35 54	PN	07 13 08.5	+0.3
TURN	Turunc	1.35 51	PG	07 13 03.5	-3.8
TURN	Turunc	1.35 51	P	07 13 04.5	-2.8
TURN	Turunc	1.35 51	P	07 13 19.2	-5.9
YER	Yerkesis	1.36 36	PN	07 13 07.8	+0.3
AMGA	Amoros Island	1.38 306	P	07 13 07.7	-0.7
AMGA	Amoros Island	1.38 306	P	07 13 32.9	
AMGA	Amoros Island	1.38 306	P	07 13 36.6	
SANT	Santorini	1.52 283	PN	07 13 10.3	-0.5
NPS	Neapolis	1.57 241	P	07 13 10.8	-0.8
NPS	Neapolis	1.57 241	P	07 13 31.0	-0.4
NPS	Neapolis	1.57 241	P	07 13 33.9	
NPS	Neapolis	1.57 241	P	07 13 37.6	
FETY	Fethiye	1.57 67	PN	07 13 11.8	+0.1
AYDN	Tasoluk	1.69 16	P	07 13 15.5	+0.3
LAST	Lasithi	1.71 240	P	07 13 13.7	-0.5
LAST	Lasithi	1.71 240	P	07 13 39.1	
LAST	Lasithi	1.71 240	P	07 13 43.5	
APR	Apeiranthos	1.75 307	PN	07 13 12.5	-0.4
APR	Apeiranthos	1.75 307	PN	07 13 15.5	-0.7
AKAS	Kas	1.89 83	PN	07 13 16.8	-0.3
AKAS	Kas	1.89 83	PN	07 13 42.0	+1.3
TAVA	DENIZLI Tavass	1.93 42	iP	07 13 19.0	-0.9
TAVA	DENIZLI Tavass	1.93 42	iP	07 13 43.5	+1.5
DNZL	Cakiroklu	2.17 40	iP	07 13 20.2	+1.4
GOLH	Golhisar	2.19 56	iP	07 13 23.3	+0.1
GOLH	Golhisar	2.19 56	iP	07 13 54.2	+1.2

UCR 24 07:13:57.5z.1.2,9.76N,85.56W,h5km,MD3.7,ML3.0,
1C-2D,Off coast of Costa Rica

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
				h m s	ISC
PLVR	Palo Verde	0.62 191	eP	07 14 09.6	+0.1
JTVS	JuntasAbangare	0.80 48	eS	07 14 19.4	-0.6
JTVS	JuntasAbangare	0.80 48	eS	07 14 12.5	-0.3
JTVS	JuntasAbangare	0.80 48	eS	07 14 24.9	0.0
CUI	Cuipilapa	0.97 23	eP	07 14 15.6	-0.6
MESS	Mesas	1.04 20	eP	07 14 16.7	-0.7
BUEV	Buena Vista	1.04 8	eP	07 14 16.6	-1.0
BUEV	Buena Vista	1.04 8	eP	07 14 31.4	+0.3
GB1A	Borinquen Arri	1.06 8	eP	07 14 17.0	-1.0
GB1A	Borinquen Arri	1.06 8	eP	07 14 32.2	+0.5
ARE1	Arenal 1	1.08 50	eP	07 14 17.8	-0.4
ARE1	Arenal 1				

Table with columns: JFT, Otama, 1.50 239 P, Pn, 09 19 39.7 +0.9, etc.

ISCJB 24 09:46:37.9 ± 1.6, 39°05'N, 105°142'53"E, 0.09, h27km, 9km, mb3.9/4, Error ellipse: s-maj=12.6km s-min=7.3km az=16.1

JMA 24 09:46:39.1 ± 1.0, 39°15'N, 142°50'E, h29km, 1km, M3.4, IDC 24 09:46:44.1 ± 2.7, 39°15'N, 142°68'E, h74km, 26km, mb3.5/4, mb1.3/6.6, mb1mx3.2/49, mbtm3p.3.76, Error ellipse: s-maj=33.7km s-min=12.0km az=11.0

ISC 24 09:46:40.2 ± 1.9, 39°10'N, 105°142'37"E, 0.09, h27km, 12km, n20, r175/22, mb3.8/4, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

IDC 24 10:05:59.3, 87.1, 0.54, 46N, 2.01E, h0km, Error ellipse: s-maj=422.0km s-min=174.4km az=109.0, North Sea

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

ISCJB 24 10:20:07.0 ± 2.0, 6.84N, 0.03, 73.12W, 0.03, h158km, 9km, mb3.5/6, Error ellipse: s-maj=5.7km s-min=4.3km az=39.7

IDC 24 10:20:07.0 ± 7.0, 6.80N, 73.03W, h155km, 8km, mb3.3/6, mb1.3/7.9, mb1mx3.4/27, mbtm3p.3.9, MS2.8/1, ms1mx2.3/20, Error ellipse: s-maj=18.1km s-min=7.9km az=130.0

RSNC 24 10:20:09.3 ± 0.9, 6.80N, 73.15W, h148km, 4km, ML4.2, Mw4.1

ISC 24 10:20:08.0 ± 0.7, 6.83N, 0.04, 73.11W, 0.04, h154km, 5km, n36, r682/55, mb3.5/6, 2C-3D, Northern Colombia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

Table with columns: ANIL, Santa Ana, 3.56 225 eP, Pn, 10 20 59.5 +0.3, etc.

ISCJB 24 10:30:40.8 ± 0.9, 35°0N, 01°180°9E, 0.2, h16km, mb3.3/6, MS2.5/3, Error ellipse: s-maj=20.5km s-min=14.0km az=163.5

IDC 24 10:30:40.1 ± 1.0, 34°07'N, 80°95'E, h0km, mb3.4/6, mb1.3/6.8, mb1mx3.5/43, mbtm3p.3.4/8, ML3.1/2, MS2.6/4, MS1.2/6.4, mb1mx2.4/36, Error ellipse: s-maj=26.5km s-min=22.1km az=41.0

ISC 24 10:30:42.5 ± 1.0, 34.9N, 01°180°9E, 0.2, h16km, n12, r121/9, mb3.4/6, MS2.6/3, Xizang

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

ISCJB 24 10:40:42.4 ± 1.0, 17°84S, 0°170°70W, 0.1, h119km, 7km, mb3.6/3, Error ellipse: s-maj=21.1km s-min=8.5km az=26.9

GUC 24 10:40:42.9 ± 0.6, 17°83S, 69°93W, h118km, 5km, ML3.9, IDC 24 10:40:43.0 ± 1.3, 17.85S, 69.87W, h134km, 21km, mb3.5/3, mb1.3/5.4, mb1mx3.2/22, mbtm3p.3.8/4, Error ellipse: s-maj=61.5km s-min=28.1km az=123.0

ISC 24 10:40:43.0 ± 1.3, 17.85S, 0°08°70W, 0.1, h116km, 9km, n11, r0875/17, mb3.8/3, Peru-Bolivia border region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

NNC 24 10:47:38.1 ± 9.2, 53.84N, 88°25'E, h0km, mb3.7, mpv3.4, 6C-3D, Error ellipse: s-maj=79.1km s-min=42.3km az=47.0, Suspected Mining explosion, Southwestern Siberia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

MEX 24 11:14:09.5 ± 0.8, 17.38N, 95°65W, h112km, 9km, MD3.7, Oaxaca

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

IDC 24 11:33:48.5 ± 2.5, 9°23'N, 123°75'E, h0km, mb3.3/3, mb1.3/6.4, mb1mx3.4/48, mbtm3p.3.5/4, ML4.9/1, Error ellipse: s-maj=103.1km s-min=29.6km az=81.0

ISCJB 24 11:34:00.6 ± 1.0, 9°10'N, 0°03'125.38E, 0.05, h52km, 9km, mb3.1/3, Error ellipse: s-maj=7.8km s-min=4.9km az=166.6

MAN 24 11:34:00.7 ± 9.11N, 125°36'E, h27km, mb4.6, ML3.5, MS3.4, ISC 24 11:34:00.6 ± 1.0, 9°10'N, 0°03'125.38E, 0.05, h52km, 9km, n16, r237/27, mb3.0/3, 4C-1D, Mindanao

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

IASPEI 24 11:34:47.8 ± 0.8, 38°66'N, 0°26'66E, 0.03, h11km, 5km, Error ellipse: s-maj=3.7km s-min=2.8km az=98.4, GT5 selection from ISC bulletin GT5 identified by Bond jr and McLaughlin (2009) selection criteria Bond jr and McLaughlin, A new ground truth data set for seismic CSSE, <>Seism. Res. Let. <-, <>80-80, <>465-472, 2009

ISCJB 24 11:34:47.9 ± 0.3, 38°66'N, 0°26'66E, 0.03, h9km, 3km, Error ellipse: s-maj=3.6km s-min=2.8km az=56.6

ISK 24 11:34:47.7, 38°66'N, 0°26'66E, h7km, ML2.5/7, ATH 24 11:34:47.3, 38°67'N, 26°65'E, h26km, 4km, ML2.3/1, Error ellipse: s-maj=4.4km s-min=1.3km az=250.0

DDA 24 11:34:47.8, 38°65'N, 26°70'E, h7km, ML2.7, ISC 24 11:34:47.8 ± 0.8, 38°66'N, 0°26'66E, 0.02, h11km, 5km, n32, r0450/50, Aegean Sea

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

GMLD Gumuldur, 0.61 161 PG, Pp, 11 34 59.8 +0.1, AYVA Ayvalik, 0.65 21 iP, Pp, 11 35 00.4 0.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

ISCJB 24 11:37:05.0 ± 0.6, 41°02'N, 0°33'34E, 0.03, h8km, 5km, Error ellipse: s-maj=4.3km s-min=4.2km az=153.6

DDA 24 11:37:04.1, 40.97N, 33.47E, h7km, ML3.0, ISK 24 11:37:04.5, 41°01'N, 33°48'E, h5km, ML2.8/8, ISC 24 11:37:04.7 ± 1.1, 41°00'N, 0°33'34E, 0.02, h9km, 9km, n26, r0818/37, Turkey

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KULU, SERE, SVRH, AKSY, TOKAT, KIZIT, CHBY.

KRSC 24 11:47:22.2±1.5, 48°36'N, 156°57'E, h14km, 24km, ML4.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SKR, KOTR, RUS, PET, DALK, KOK, SMAR, SDLR, GNL, KBTR.

SOME 24 11:49:07.4, 40°80'N, 70°15'E, h10km. KRNET 24 11:49:14.5, 0.1, 40°50'N, 71°09'E, mb2.8

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BTK, ARK, ARK, MNAS, MNAS, MNAS, AML, AML, MRKS, MRKS, KK31, KK31, EKS2, EKS2.

DDA 24 11:50:34.3, 37°06'N, 31°20'E, h50km, M12.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KORT, KORT, KORT, ALAN, ALAN, ISP, ISP, BAGO, BAGO, DOGA, DOGA, KMER, KMER, KONT, KONT, KONT, KONT, GOLH, GOLH, LADK, LADK, KZIL, KZIL, AKAS, AKAS, KDHN, KDHN, BOLV, BOLV, BERE, BERE, TEKE, TEKE, DNZL, DNZL, DNZL, DNZL, KIZT, KIZT, TAVA, TAVA, TEVE, TEVE, KHAL, KHAL, KHAL, KHAL, DALY, DALY, AKKU, AKKU, KEBE, KEBE, TURN, TURN, IKL, IKL, DAT, DAT, DAT.

KRNET 24 11:50:51.3, 0.1, 43°06'N, 77°06'E, h21km, mb2.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TKM2, TKM2, BOOM, BOOM, ULHL, ULHL, ULHL, ULHL, CHMS, CHMS, CHMS, CHMS, PDGK, PDGK, PDGK, PDGK, USP, USP, USP, USP, KBK, KBK, KBK, KBK.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AAK, AAK, AAZ, AAZ, KZA, KZA, NRN, NRN, NRN, NRN, EKS2, EKS2, EKS2, EKS2, MK31, MK31, MK31, MK31, MK31, MK31.

ISCJB 24 11:54:02.6, 0.3, 23°08'S, 0°03'68.49W, 0°05, h136km, 4km, mb4.7/10, Error ellipse: s-maj=7.4km s-min=5.1km

SJA 24 11:54:02.8, 0.7, 23°02'S, 68°43'W, h128km, 5km, ML3.2, MW4.0

GUC 24 11:54:04.3, 0.7, 23°02'S, 68°59'W, h129km, 5km, ML4.5

NEIC 24 11:54:04.0, 0.0, 23°02'S, 68°59'W, h129km, mb4.5/10, ML4.5(GUC), After GUC.

IDC 24 11:54:04.6, 3.1, 23°07'S, 68°07'W, h122km, 25km, mb4.2/4, mb1.3, 9.7, mb1mx3.6/29, mbtmp4.4/7, MS2.7/1, ms1mx2.5/21, Error ellipse: s-maj=33.1km s-min=24.3km az=85.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LVC, LVC, LVC, LVC, PB15, PB15, PB15, PB15, PB06, PB06, PB06, PB06, PB09, PB09, PB09, PB09.

ISC 24 11:54:03.3, 0.7, 23°08'S, 0°04'68.43W, 0°06, h128km, 6km, mb3.9/7, mb1f72/90, mb4.6/10, 6C-7D, Northern Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PB09, PB09, PB09, PB09, PB03, PB03, PB03, PB03, PB05, PB05, PB05, PB05.

ISC 24 11:54:03.3, 0.7, 23°08'S, 0°04'68.43W, 0°06, h128km, 6km, mb3.9/7, mb1f72/90, mb4.6/10, 6C-7D, Northern Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PB04, PB04, PB04, PB04, PB04, PB04, PB07, PB07, PB10, PB10, PB10, PB10, PB10, PB10, PB02, PB02, PB01, PB01, PB01, PB01.

ISC 24 11:54:03.3, 0.7, 23°08'S, 0°04'68.43W, 0°06, h128km, 6km, mb3.9/7, mb1f72/90, mb4.6/10, 6C-7D, Northern Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PB14, PB14, HJA, HJA, AZAP, AZAP, AZAP, AZAP, PB11, PB11, PB11, PB11, FSA, FSA, PSCG, PSCG, PSCG, PSCG, MNMC, MNMC, ALOL, ALOL, AHML, AHML, AHML, AHML.

ISC 24 11:54:03.3, 0.7, 23°08'S, 0°04'68.43W, 0°06, h128km, 6km, mb3.9/7, mb1f72/90, mb4.6/10, 6C-7D, Northern Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GO03, GO03, LCO, LCO, LPAZ, LPAZ, LPAZ, LPAZ, LPZ, LPZ, LPZ, LPZ, LPZ, LPZ, GO04, GO04, GO04, GO04, ROCI, ROCI, GO06, GO06, PLCA, PLCA, PLCA, PLCA, BDFB, BDFB, PTGA, PTGA, PTGA, PTGA, CHRN, CHRN, SDV, SDV, BBGH, BBGH, SJG, SJG, VNA3, VNA3, VNA1, VNA1, VNA2, VNA2, SNA, SNA, SNA, SNA, GSPA, GSPA, DBIC, DBIC.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DBIC, DBIC, MTPU, MTPU, TOA1, TOA1, TOA0, TOA0, TORO, TORO, LRM, LRM, WRA, WRA, WRA, WRA, ZAA1, ZAA1, ZALV, ZALV, MK32, MK32, MKAR, MKAR, MK01, MK01.

JMA 24 11:54:29.6±0.1, 39°24'N, 144°15'E, h56km, M3.8, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MIYJ, MIYJ, JTH, JTH, OFUJ, OFUJ, OJUU, OJUU, JOM, JOM, JMK, JMK, JMK, JMK, JANG, JANG, JYK, JYK, JOT, JOT, JOT, JOT, JNK, JNK, JCH, JCH, JCH, JCH, JAK, JAK, JAK, JAK, JEM, JEM, JEM, JEM, JYR, JYR, JRY, JRY.

IDC 24 11:59:39.3±1.7, 42°12'N, 125°19'E, h0km, mb3.8/5, mb1.4/0.5, mb1mx3.6/42, mbtmp3.9/5, Error ellipse: s-maj=114.9km s-min=23.6km az=67.0, Talau Islands

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

IDC 24 11:59:45.5±5.5, 26°35'N, 143°75'E, h0km, mb3.6/4, mb1.3/8.5, mb1mx3.5/44, mbtmp3.5/6, ML3.7/1, Error ellipse: s-maj=199.4km s-min=24.8km az=75.0, Bonin Islands region

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

MEX 24 12:05:07.5±0.7, 17°51'N, 100°86'W, h56km±10km, MD3.5, Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ZIIG, ZIIG, ZIIG, ZIIG, ARIG, ARIG, ARIG, ARIG, MEIG, MEIG, PLIG, PLIG, PLIG, PLIG.

ISC 24 12:00:04.4, 40°71'N, 42°32'E, h5km, ML2.5/6

DDA 24 12:00:01.7, 40°64'N, 42°26'E, h7km, M12.9

ISC 24 12:00:02.1±1.1, 40°71'N, 0°02'42.34E, 0°02, h1km±11km, n23, e159/39, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SENK, SENK, DDEM, DDEM, DDEM, DDEM, DAGI, DAGI, KARS, KARS, ARTV, ARTV, ARTV, ARTV, DBAD, DBAD, DBAD, DBAD, DBOC, DBOC, EPOS, EPOS, ECA, ECA, BATM, BATM, AKH, AKH, AGRB, AGRB, CAH, CAH, TUTA, TUTA, EKAR, EKAR, EKAR, EKAR, TRFL, TRFL, KOP, KOP, BAYB, BAYB, BAYB, BAYB, MACK, MACK, KLT, KLT, PERT, PERT.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes data for stations like Abashiri-Toko, Maruseppu, Rausu, Nakash, Soyases, Asahikawa, Tuman, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes data for stations like Afiamalu, Momo-Dzumac, Fitzroy Crossi, Matushiro Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes data for stations like Eagle, Colville Lake, Beaver Creek A, Beaver Creek, etc.

CMIG	Matias Romero	12.59 269	Pn	Pn	17 58 55.5	-1.0
CMIG	comp=Z,1.1nm,0.3s,baz=71,slow=13,SNR=7.4		LR	LR	18 03 33.2	
455A	Stateve	12.90 355	P	Pn	17 58 59.2	-1.5
453A	Whigham	13.17 350	P	Pn	17 59 02.5	-1.9
451A	Vernon	13.24 345	P	Pn	17 59 03.9	-1.5
452A	Marianna	13.33 347	P	Pn	17 59 05.3	-1.3
355A	Pearson	13.49 356	P	Pn	17 59 06.8	-1.9
PAMC	Pamplona, Colo	13.64 139	eP	P	17 59 20.2	+0.1
TIGA	Tifton	13.65 353	P	P	17 59 09.3	-1.6
351A	Pinckard	13.84 346	P	Pn	17 59 12.4	-1.0
352A	Blakey	13.89 348	ePn	Pn	17 59 12.1	-2.1
BARC	Barichara	13.94 142	eP	P	17 59 24.3	+1.1
SDV	Santo Domingo	13.97 128	Pn	Pn	17 59 12.8	-2.7
SDV	comp=Z,0.7nm,0.3s,baz=312,slow=14,SNR=7.3		LR	LR	18 05 52.7	
SDV	comp=Z,2um,19.0s,baz=321,slow=43					
SDV	Santo Domingo	13.97 128	ePn	Pn	17 59 14.9	-0.7
255A	Hazlehurst	14.04 357	ePn	Pn	17 59 14.8	-1.5
255A	Hazlehurst	14.04 357	P	Pn	17 59 14.3	-2.0
LVIG	Laguna Verde	14.05 280	ePn	Pn	17 59 11.7	-4.8
257A	Skidaway Islan	14.09 2	P	Pn	17 59 15.3	-1.6
254A	Abbeville	14.12 354	P	Pn	17 59 15.0	-2.3
BRAL	Brewton	14.13 341	ePn	Pn	17 59 14.5	-3.0
BRAL	Brewton	14.13 341	P	Pn	17 59 15.0	-2.5
645A	Chauvin	14.13 327	P	Pn	17 59 14.5	-3.0
350A	Dozier	14.16 344	P	Pn	17 59 15.7	-2.2
RREF	El Recreo	14.29 153	eP	P	17 59 32.5	+5.1
253A	Americus	14.33 352	ePn	Pn	17 59 18.9	-1.4
253A	Americus	14.33 352	P	Pn	17 59 18.3	-1.9
349A	Repton	14.34 341	P	Pn	17 59 18.6	-1.8
252A	Lumpkin	14.36 350	P	Pn	17 59 18.1	-2.6
447A	Lucedale	14.36 335	ePn	Pn	17 59 19.2	-1.4
447A	Lucedale	14.36 335	P	Pn	17 59 18.0	-2.7
OBIP	Obispopo Ponce	14.38 87	ePn	Pn	17 59 19.9	-1.1
EMPR	Esperanza - Ma	14.44 85	ePn	Pn	17 59 24.5	+2.6
ICMP	Isla Caja de M	14.46 87	ePn	Pn	17 59 20.2	-1.8
545A	Edgard	14.59 328	ePn	Pn	17 59 22.5	-0.8
RUSC	La Rusia	14.56 144	eP	P	17 59 20.0	-0.3
251A	Midway	14.58 347	P	Pn	17 59 22.3	-1.3
348A	Jackson	14.63 339	ePn	Pn	17 59 22.2	-2.1
446A	Poplarville	14.65 333	P	Pn	17 59 21.8	-2.8
250A	Grady	14.67 345	ePn	Pn	17 59 22.6	-2.2
250A	Grady	14.67 345	P	Pn	17 59 22.7	-2.2
155A	Kite	14.74 357	P	Pn	17 59 23.2	-2.6
156A	Sylvania	14.76 1	P	Pn	17 59 25.1	-0.9
154A	Montrose	14.77 355	ePn	Pn	17 59 24.6	-1.5
154A	Montrose	14.77 355	P	Pn	17 59 26.1	0.0
ROSC	El Rosal	14.80 150	Pn	Pn	17 59 25.2	-2.0
ROSC	comp=Z,0.6nm,0.3s,baz=319,slow=20,SNR=2.1		LR	LR	18 05 25.6	
ROSC	comp=Z,2um,20.0s,baz=352,slow=35		LR	LR		
ROSC	El Rosal	14.80 150	eP	P	17 59 33.3	+0.4
SJG	San Juan	14.81 87	ePn	Pn	17 59 25.3	-1.5
SJG	comp=Z,6.9nm,0.3s,baz=279,slow=13,SNR=4.7		LR	LR	18 05 03.4	
SJG	San Juan	14.81 87	Pn	Pn	17 59 25.8	-1.0
SJG	San Juan	14.81 87	eP	Pn	17 59 21.8	-5.0
SJG	San Juan	14.81 87	eP	Pn	17 59 25.8	-1.0
249A	Camden	14.90 342	P	Pn	17 59 27.2	-0.8
151A	Opelika	14.99 348	P	Pn	17 59 28.2	-0.9
152A	Waverly Hall	15.02 350	P	Pn	17 59 28.7	-0.8
HUMP	Col San Antoni	15.09 86	ePn	Pn	17 59 30.5	-0.2
248A	Dixon Mills	15.21 340	P	Pn	17 59 31.2	-0.8
150A	Eclectic	15.21 346	P	Pn	17 59 30.3	-1.8
346A	Big Creek Wild	15.21 334	ePn	Pn	17 59 32.3	+0.1
346A	Big Creek Wild	15.21 334	P	Pn	17 59 31.2	-0.9
NHSC	New Hope	15.27 5	ePn	Pn	17 59 32.0	-0.8
NHSC	New Hope	15.27 5	P	Pn	17 59 31.6	-1.3
543A	St. Martinville	15.30 325	ePn	Pn	17 59 31.4	-1.9
543A	St. Martinville	15.30 325	P	Pn	17 59 31.2	-2.2
255A	Blythe	15.32 359	P	Pn	17 59 32.1	-1.5
254A	Sparta	15.37 356	P	Pn	17 59 32.5	-1.7
MTP	Monte Pirata	15.38 87	ePn	Pn	17 59 32.7	-1.7
YOPC	Yopal, Colombi	15.38 143	eP	P	17 59 39.9	+0.8
149A	Jones	15.39 344	P	Pn	17 59 32.1	-2.4
247A	Quitman	15.47 338	P	Pn	17 59 33.7	-1.7
253A	Monticello	15.47 354	P	Pn	17 59 33.4	-2.1
252A	Williams	15.48 351	P	Pn	17 59 33.1	-2.5
PRAC	Prado	15.55 154	eP	P	17 59 44.0	+3.1
GOGA	Godfrey	15.59 355	ePn	Pn	17 59 35.4	-1.6
GOGA	Godfrey	15.59 355	ePn	Pn	17 59 35.4	-1.6
GOGA	comp=Z,7.13nm,1.6s		Pmax	Pmax		
GOGA	Godfrey	15.59 355	P	Pn	17 59 34.4	-2.7
246A	Jackson Lee, B	15.63 336	P	Pn	17 59 35.8	-1.8
CUPR	Culebra, Puerto	15.63 86	ePn	Pn	17 59 37.6	-0.1
148A	Greenboro	15.66 341	P	Pn	17 59 35.7	-2.3
251A	Franklin	15.72 349	P	Pn	17 59 36.8	-2.0
443A	Delano Plantat	15.79 326	P	Pn	17 59 38.0	-1.7
250A	Ashland	15.81 347	ePn	Pn	17 59 37.5	-2.5
250A	Ashland	15.81 347	P	Pn	17 59 38.1	-1.9
344A	Westbrook Farm	15.83 331	ePn	Pn	17 59 40.1	-0.1
344A	Westbrook Farm	15.83 331	P	Pn	17 59 38.2	-2.0
LRAL	Lakeview Retre	15.86 344	ePn	Pn	17 59 38.5	-2.1
LRAL	Lakeview Retre	15.86 344	P	Pn	17 59 38.1	-2.5
249A	Columbiana	15.89 345	P	Pn	17 59 39.6	-1.4
147A	Livingston	15.91 339	ePn	Pn	17 59 40.1	-1.2
147A	Livingston	15.91 339	P	Pn	17 59 40.0	-1.2
MARP	Paez Belalcaza	15.94 159	ePn	P	17 59 44.0	-1.5
STVI	Saint Thomas	15.94 86	ePn	P	17 59 40.7	-0.9
245A	Little AP, Sta	15.95 334	P	Pn	17 59 40.0	-1.8
Y54A	Tignall	15.98 357	P	Pn	17 59 40.6	-1.6
POPC	Popayan, Colom	15.99 161	ePn	Pn	17 59 44.0	+1.4

Y53A	Monroe	16.04 354	P	Pn	17 59 42.3	-0.6
TLIG	Tiapa	16.07 272	ePn	Pn	17 59 42.2	-1.2
Y52A	Libburn	16.10 353	ePn	Pn	17 59 42.3	-1.3
Y52A	Libburn	16.10 353	P	Pn	17 59 42.5	-1.2
343A	Vidalia	16.12 328	P	Pn	17 59 42.8	-1.1
CDVI	St. Croix	16.14 88	ePn	Pn	17 59 43.8	-0.4
146A	Union	16.16 337	ePn	Pn	17 59 42.6	-1.8
146A	Union	16.16 337	P	Pn	17 59 42.7	-1.6
Y51A	Rockmark	16.27 350	P	Pn	17 59 46.2	+0.3
244A	Alcorn Jackson	16.30 332	P	Pn	17 59 45.3	-0.9
Z47A	Carrollton	16.33 341	P	Pn	17 59 45.9	-0.7
Z48A	Northport	16.34 342	P	Pn	17 59 46.0	-0.7
VBMS	Vicksburg	16.38 333	ePn	Pn	17 59 45.6	-1.6
VBMS	Vicksburg	16.38 333	P	Pn	17 59 46.8	-0.4
JSC	Jenkinsville	16.38 1	ePn	Pn	17 59 43.8	-3.4
JSC	Jenkinsville	16.38 1	eP	Pmax	17 59 43.8	-3.4
Y50A	Piedmont	16.39 348	P	Pn	17 59 47.4	0.0
SOTA	Rioblanco	16.39 162	ePn	P	17 59 49.7	-1.0
Y49A	Blount Mountai	16.50 346	P	Pn	17 59 47.4	-1.4
Y49A	Blount Mountai	16.50 346	P	Pn	17 59 48.0	-0.7
342A	Flagon Creek P	16.56 326	ePn	Pn	17 59 48.4	-1.1
342A	Flagon Creek P	16.56 326	P	Pn	17 59 48.2	-1.3
Z46A	Louisville	16.61 338	P	Pn	17 59 49.5	-0.7
X53A	Estanolle	16.66 355	P	Pn	17 59 49.8	-1.0
Y48A	Jasper	16.74 344	P	Pn	17 59 51.4	-0.3
X52A	Dahlonega	16.81 354	P	Pn	17 59 52.7	0.0
X51A	Calhoun	16.89 351	ePn	Pn	17 59 53.6	-0.2
X51A	Calhoun	16.89 351	P	Pn	17 59 53.9	+0.2
PAULI	Pauline	16.91 360	ePn	Pn	17 59 53.2	-0.7
Y47A	UICPARC, Winfie	16.92 342	P	Pn	17 59 53.8	-0.2
X50B	Fort Payne	16.93 349	P	Pn	17 59 54.0	-0.1
341A	Kurthwood	16.98 324	ePn	Pn	17 59 52.3	-2.5
341A	Kurthwood	16.98 324	P	Pn	17 59 53.6	-1.2
Z45A	Winona	17.05 337	ePn	Pn	17 59 54.4	-1.2
Z45A	Winona	17.05 337	P	Pn	17 59 55.4	-0.2
X49A	Woodville	17.11 347	P	Pn	17 59 56.5	+0.1
BG3	Lakewood	17.12 357	ePn	Pn	17 59 54.6	-2.0
143A	Socs Landing,	17.19 331	ePn	Pn	17 59 57.4	+0.1
Y46A	Houston	17.21 340	P	Pn	17 59 57.2	-0.5
FLOC	Florence	17.21 159	eP	Pn	17 59 57.1	-0.8
X48A	Hartselle	17.22 345	ePn	Pn	17 59 55.9	-1.9
X48A	Hartselle	17.22 345	P	Pn	17 59 57.3	-0.5
KMCS	Kings Mountain	17.24 1	ePn	Pn	17 59 56.8	-1.2
KMCS	Kings Mountain	17.24 1	P	Pn	17 59 57.1	-0.9
W52A	Murphy	17.30 354	ePn	Pn	17 59 57.4	-1.4
W52A	Murphy	17.30 354	P	Pn	17 59 58.1	-0.7
W53A	Cullowhee	17.31 356	P	Pn	17 59 58.6	-0.5
241A	Mo Tay, Golden	17.38 326	ePn	Pn	17 59 58.3	-1.5
241A	Mo Tay, Golden	17.38 326	P	Pn	17 59 59.3	-0.5
Y45A	Yeager Farm, C	17.44 338	P	Pn	18 00 00.2	-0.3
W51A	Olethian	17.47 352	P	Pn	18 00 00.6	-0.2
X47A	Russelville	17.50 343	P	Pn	18 00 01.3	+0.1
W50A	Signal Mountai	17.59 350	ePn	Pn	18 00 00.8	-1.6
W50A	Signal Mountai	17.59 350	P	Pn	18 00 02.3	-0.1
SABA	Saba	17.60 88	ePn	Pn	18 00 03.5	0.0
HKT	Hockley	17.64 316	ePn	Pn	18 00 01.3	-1.7
HKT	Hockley	17.64 316	eP	Pmax	18 00 01.3	-1.7
W49A	Belter	17.68 348	P	Pn	18 00 03.2	-0.4
SWET	Sewanee	17.71 349	ePn	Pn	18 00 04.0	0.0
CPCT	Cooper Cave C	17.72 352	ePn	Pn	18 00 04.2	+0.3
SMRT	St. Maarten	17.73 86	ePn	Pn	18 00 01.8	-2.5
SMRT	St. Maarten	17.73 86	eP	Pn	18 00 02.6	-1.7
X46A	Claytonville	17.75 341	P	Pn	18 00 04.3	0.0
KVXT	Kingsville	17.77 306	ePn	Pn	18 00 03.6	-1.1
Y44A	Strider, Charl	17.77 339	P	Pn	18 00 04.5	-0.1
OTAV	Otalavo	17.78 169	ePn	P	18 00 04.6	+0.4
V53A	Saluda	17.79 357	ePn	Pn	18 00 04.1	-0.8
V53A	Saluda	17.79 357	P	Pn	18 00 04.5	-0.4
141A	Papa Simpson,	17.83 328	P	Pn	18 00 05.5	+0.1
TKL	Tuckaleechee C	17.84 355	P	Pn	18 00 05.5	-0.1
TKL	Tuckaleechee C	17.84 355	eP	Pmax	18 06 37.6	
TKL	Tuckaleechee C	17.84 355	eP	Pmax	18 00 05.3	-0.3
TKL	Tuckaleechee C	17.84 355	eP	Pmax	18 00 05.3	-0.3
W48A	Pulaski	17.85 346	P	P	18 00 06.0	-0.2
SEUS	St. Eustatius	17.85 88	eP	Pn	18 00 03.2	-2.6
X45A	UM Field Stati	17.89 339	P	Pn	18 00 06.0	0.0
Z42A	Norrel Spur, H	17.91 331				

24d 17h

ZAIG	Zacatecas	20.16 288	eP	Pn	18 00 34.0 +0.1
S47A	Hartford	20.20 348	P	P	18 00 32.1 +0.2
SVB	Belmont	20.22 100	eP	P	18 00 31.0 -1.4
PAYG	Puerto Ayora	20.24 206	eP	Pn	18 00 35.6 +1.0
U42A	Reverden	20.27 337	P	P	18 00 33.1 +0.4
SVVC	St. Vincent, C	20.32 100	eP	Pn	18 00 34.7 -0.8
R58B	Mineral	20.33 9	P	P	18 00 33.3 0.0
W39A	Magazine	20.35 330	eP	Pn	18 00 34.9 -0.8
W39A	Magazine	20.35 330	P	P	18 00 34.2 +0.5
PBMO	Poplar Bluff	20.38 340	eP	P	18 00 34.8 +1.0
T44A	Denton	20.39 342	P	Pn	18 00 35.2 -1.0
V40A	Witts Springs	20.43 333	eP	P	18 00 34.8 +0.3
V40A	Witts Springs	20.43 333	P	P	18 00 35.2 +0.7
R52A	Cattlettsburg	20.44 358	P	P	18 00 34.9 +0.4
R51A	Hillsboro	20.45 356	P	P	18 00 35.7 +1.0
S46A	Don Dixon Farm	20.46 346	P	P	18 00 35.1 +0.3
R50A	Paris	20.50 354	P	P	18 00 35.7 +0.6
U41A	Viola	20.53 336	P	P	18 00 35.7 +0.2
R49A	Shelbyville	20.60 352	P	P	18 00 36.6 +0.3
T43A	Greenville	20.61 340	P	P	18 00 36.5 +0.1
X37A	Clayton	20.66 326	eP	Pn	18 00 38.7 -0.7
S45A	Carrier Mills	20.66 344	P	P	18 00 37.3 +0.3
WC1	Wyandotte Cave	20.71 350	eP	P	18 00 38.6 +1.2
WC1	Wyandotte Cave	20.71 350	eP	Pmax	18 00 38.6 +1.2
WC1	Wyandotte Cave	20.71 350	P	P	18 00 37.9 +0.5
JCT	Junction City	20.72 311	eP	P	18 00 38.8 +1.1
JCT	Junction City	20.72 311	eP	Pmax	18 00 38.8 +1.1
JCT	Junction City	20.72 311	eP	Pmax	18 00 38.6 +0.9
USIN	University of	20.72 347	eP	P	18 00 38.6 +1.1
R48A	Northridge Nar	20.81 351	P	P	18 00 39.2 +0.6
R47A	Wooly Knot Far	20.81 349	P	P	18 00 38.7 +0.2
V39A	Pettigrew	20.82 332	eP	P	18 00 39.2 +0.5
T42A	Van Buren	20.83 338	P	P	18 00 39.1 +0.4
S44A	Carbon	20.86 343	P	P	18 00 39.8 +0.7
SIUC	Southern Illin	20.87 343	eP	P	18 00 39.8 +0.6
U40A	Yellville	20.91 343	P	P	18 00 40.0 +0.3
R46A	Gibson Southern	20.93 347	P	P	18 00 40.2 +0.4
S43A	Fulton Ridge	20.99 341	P	P	18 00 40.9 +0.4
Q50A	Georgetown	21.02 355	P	P	18 00 41.7 +0.9
Q52A	Bidwell	21.05 359	P	P	18 00 41.6 +0.5
T41A	Mountain View	21.08 337	P	P	18 00 42.1 +0.6
BBSR	BB Station	21.09 43	eP	P	18 00 44.6 +3.0
Q51A	Peebles	21.16 356	eP	P	18 00 43.4 +1.1
Q51A	Peebles	21.16 356	P	P	18 00 43.0 +0.7
R45A	Skyler	21.18 346	P	P	18 00 42.8 +0.3
U39A	Green Forest	21.20 333	P	P	18 00 43.4 +0.6
Q49A	Aurora	21.27 353	P	P	18 00 43.7 +0.2
Q48A	North Vernon	21.31 351	P	P	18 00 44.3 +0.5
HHAR	Hobbs	21.32 332	eP	P	18 00 45.0 +0.9
R44A	Waltonville	21.33 344	P	P	18 00 44.7 +0.6
S42A	Caledonia	21.40 340	P	P	18 00 45.5 +0.6
Q47A	Bedord North L	21.42 350	P	P	18 00 45.1 0.0
T40A	Mansfield	21.46 336	P	P	18 00 46.0 +0.4
FVM	French Village	21.48 341	eP	P	18 00 46.6 +0.9
FVM	French Village	21.48 341	eP	Pmax	18 00 46.6 +0.9
TOSP	Speysee	21.49 105	eP	P	18 00 51.1 +5.1
OLIL	Olney	21.55 346	eP	P	18 00 47.5 +1.0
S41A	Jillico Farms	21.56 338	P	P	18 00 46.9 +0.3
P53A	Whipple	21.57 1	eP	P	18 00 48.2 +1.5
P53A	Whipple	21.57 1	P	P	18 00 47.6 +0.9
R43A	Red Bud	21.60 342	P	P	18 00 47.4 +0.4
P51A	Williamsport	21.60 357	eP	P	18 00 48.2 +1.2
P51A	Williamsport	21.60 357	P	P	18 00 47.9 +0.9
BLO	Bloomington	21.67 350	eP	P	18 00 48.8 +1.1
BLO	Bloomington	21.67 350	eP	Pmax	18 00 48.8 +1.1
Q46A	CEJHS Indians,	21.67 348	P	P	18 00 48.2 +0.4
T39A	Cleves	21.70 334	P	P	18 00 48.6 +0.4
Q45A	Warren Harvey	21.72 346	P	P	18 00 48.8 +0.5
P52A	Corning	21.72 359	P	P	18 00 48.4 0.0
P50A	Jamestown	21.77 356	P	P	18 00 49.0 +0.2
P49A	Miami Univ. Ec	21.78 354	P	P	18 00 49.1 +0.2
P48A	Milroy	21.79 352	P	P	18 00 48.7 -0.4
MCWV	Mont Chateau	21.80 4	P	P	18 00 50.3 +1.1
CCM	Cathedral Cave	21.80 339	eP	P	18 00 49.5 +0.2
CCM	Cathedral Cave	21.80 339	eP	Pmax	18 00 49.5 +0.2
ABTX	Abiene, Hawle	21.86 316	eP	P	18 00 51.3 +1.4
ABTX	Abiene, Hawle	21.86 316	P	P	18 00 50.4 +0.5
R42A	Luebbering	21.86 341	P	P	18 00 50.2 +0.4
TUL1	Leonard	21.90 328	eP	P	18 00 50.7 +0.4
TUL1	Leonard	21.90 328	P	P	18 00 50.1 -0.2
SDM	Soldier's Deli	21.91 10	eP	P	18 00 52.0 +1.7
P47A	Martinsville	21.93 351	P	P	18 00 50.9 +0.3

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Q44A	Meyer Farm, Va	21.93 345	P	P	18 00 50.8 +0.2
SLM	Saint Louis	22.02 342	eP	P	18 00 52.7 +1.2
SLM	Saint Louis	22.02 342	eP	Pmax	18 00 52.7 +1.2
R41A	Rosebud	22.07 339	P	P	18 00 52.2 +0.1
T38A	New Douglas	22.10 332	P	P	18 00 52.6 +0.1
Q43A	New Douglas	22.15 343	P	P	18 00 53.2 +0.3
O52A	Adamsville	22.20 360	eP	P	18 00 54.5 +1.1
O52A	Adamsville	22.20 360	P	P	18 00 54.0 +0.6
P46A	Rosedale	22.22 349	P	P	18 00 53.9 +0.2
P45A	Graceland, Par	22.24 348	eP	P	18 00 54.6 +0.7
P45A	Graceland, Par	22.24 348	P	P	18 00 53.9 0.0
O51A	Pataskala	22.25 358	P	P	18 00 54.2 +0.3
S39A	Bolivar	22.25 335	eP	P	18 00 54.3 +0.3
S39A	Bolivar	22.25 335	P	P	18 00 54.0 0.0
O50A	Cable	22.29 356	P	P	18 00 54.6 +0.2
ACSO	Alum Creek Sta	22.34 357	eP	P	18 00 55.6 +1.6
ACSO	Alum Creek Sta	22.34 357	P	P	18 00 55.4 +0.4
Q42A	Golden Eagle	22.36 342	P	P	18 00 55.1 -0.1
P44A	Sand Creek, Wi	22.37 346	P	P	18 00 55.7 +0.4
O49A	Covington	22.39 355	eP	P	18 00 55.8 +1.3
O49A	Covington	22.39 355	P	P	18 00 55.5 0.0
S38A	Stockton	22.44 334	P	P	18 00 55.8 -0.3
O56A	Blue Knob Stat	22.52 6	eP	P	18 00 59.3 +2.3
O56A	Blue Knob Stat	22.52 6	P	P	18 00 57.3 +0.4
O48A	Farmland	22.54 353	P	P	18 00 56.8 -0.3
MVL	Millersville	22.57 11	eP	P	18 01 00.1 +2.7
Q41A	Truxton	22.62 340	P	P	18 00 58.0 +0.1
O47A	Sheridan	22.65 351	P	P	18 00 58.1 -0.1
PSUB	Penn St. - Bra	22.67 13	eP	P	18 01 01.6 +3.1
WMOK	Wichita Mounta	22.69 321	eP	P	18 00 59.8 +1.0
WMOK	Wichita Mounta	22.69 321	eP	Pmax	18 00 59.8 +1.0
WMOK	Wichita Mounta	22.69 321	P	P	18 00 58.7 -0.1
PAGS	Pennsylvania G	22.73 10	eP	P	18 01 00.2 +1.2
P43A	Skaggs, Pawnee	22.76 344	P	P	18 00 59.7 +0.3
N50A	Nevada	22.89 357	P	P	18 01 01.0 +0.2
P42A	Winchester	22.93 343	eP	P	18 01 01.9 +0.7
P42A	Winchester	22.93 343	P	P	18 01 01.6 +0.4
O45A	Potomac	22.93 348	P	P	18 01 01.3 +0.1
SFIN	Lafayette	22.94 349	eP	P	18 01 02.0 +0.7
SFIN	Lafayette	22.94 349	P	P	18 01 01.7 +0.4
SSPA	Standing Stone	22.96 7	eP	P	18 01 02.5 +1.0
SSPA	Standing Stone	22.96 7	P	P	18 01 02.2 +0.7
O44A	Mansfield	22.99 347	P	P	18 01 02.6 +0.7
N51A	Ashland	23.01 359	eP	P	18 01 03.4 +1.3
N51A	Ashland	23.01 359	P	P	18 01 02.4 +0.4
N54A	Moraine State	23.09 3	eP	P	18 01 05.3 +2.5
N54A	Moraine State	23.09 3	P	P	18 01 03.3 +0.4
N49A	Columbus Grove	23.10 355	eP	P	18 01 04.2 +1.2
N49A	Columbus Grove	23.10 355	P	P	18 01 03.5 +0.5
TXAR	Lajitas Array	23.10 304	P	P	18 01 03.1 -0.2
TXAR	Lajitas Array	23.10 304	P	P	18 04 52.6 +0.7
TXAR	Lajitas Array	23.10 304	P	P	18 11 44.1
TX31	Lajitas Ar. Si	23.11 304	eP	P	18 01 03.0 -0.2
N48A	Decatur	23.12 354	P	P	18 01 03.1 0.0
N47A	Urbana	23.22 352	P	P	18 01 04.4 +0.3
P41A	Barry, Barry	23.22 341	P	P	18 01 04.3 +0.1
O43A	Sugar Creek Fa	23.32 345	P	P	18 01 05.1 +2.8
LUPA	Lehigh Univer	23.33 12	eP	P	18 01 06.1 +0.3
N46A	Montello	23.38 350	P	P	18 01 06.5 +0.2
O42A	Bath	23.43 344	P	P	18 01 06.5 +0.2
N45A	Kentland	23.47 349	P	P	18 01 06.6 -0.1
M50A	Fremont	23.51 357	eP	P	18 01 09.1 +2.1
M50A	Fremont	23.51 357	P	P	18 01 08.0 +0.9
N44A	Piper City	23.54 348	P	P	18 01 07.6 +0.3
N59A	State Game Lan	23.56 11	eP	P	18 01 09.2 +1.6
N59A	State Game Lan	23.56 11	P	P	18 01 08.2 +0.7
HDIL	Hopedale	23.57 345	P	P	18 01 07.9 +0.3
O41A	Passley Farm,	23.58 342	P	P	18 01 07.4 -0.3
M49A	Liberty Center	23.64 356	P	P	18 01 08.9 +0.7
M54A	Oil Creek Stat	23.66 4	eP	P	18 01 10.1 +1.6
M54A	Oil Creek Stat	23.66 4	P	P	18 01 09.5 +1.0
M47A	Cromwell	23.68 353	P	P	18 01 09.2 +0.5
M48A	Edgerton	23.71 354	eP	P	18 01 09.9 +0.9
M48A	Edgerton	23.71 354	P	P	18 01 09.5 +0.6
M46A	Old House Fiel	23.83 351	eP	P	18 01 10.8 +0.8
M46A	Old House Fiel	23.83 351	P	P	18 01 10.1 0.0
HPIG	comp=Z,108nm,1.6s	23.89 297	eP	P	18 01 10.6 -0.6
N43A	Stutzman Famil	23.90 346	P	P	18 01 10.9 +0.1
M45A	Boilemackers S	23.95 350	P	P	18 01 11.4 +0.2
ODNJ	Ogdensburg	23.96 13	eP	P	18 01 14.7 +3.4
N42A	Yates City	24.01 344	P	P	18 01 12.2 +0.4
M44A	Midewin, Midew	24.09 348	eP	P	18 01 12.7 +0.1
M44A	Midewin, Midew	24.09 348	P	P	18 01 12.1 -0.4
N41A	Harden Midland	24.12 343	eP	P	18 01 13.2 +0.3

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N41A	Harden Midland	24.12 343	P	P	18 01 12.7 -0.1
L48A	N Adams	24.14 355	P	P	18 01 13.4 +0.4
KSPA	Keystone Colle	24.18 11	eP	P	18 01 15.8 +2.3

24d 17h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like SMMC Simmler, RYN Ryan, PAGB Antelope, etc.

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Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like BDFB Brasilia, AHML Horco Molle, LCO Las Campanas, etc.

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Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like ESDC, ESLSA Sonseca Array, ES19 SONSECA Array, etc.

ASAR Alice Springs 78.26 204 P P 19 26 27.0 +1.6
ASAR Alice Springs 78.26 204 P P 19 26 27.0 +1.6
ASF Jabal al Afar 82.68 314 LR LR 20 08 53.7

KRSC 24 19:29:09.31.4.51.53N:159.67E,h50km,23km,ML3.6,
Off east coast of Kamchatka Peninsula
Code Station Name Az AZZ Phase ID Time Res

IDC 24 19:47:48.7.5.2.29A8S:178.56E,h0km,mb3.4/2,
mb1 3.7/2,mb1mx3.4/30,mbtmp3.4/2,MS3.4/1,Ms1 3.5/1,
ms1mx2.6/13, Error ellipse: s-maj=218.7km
s-min=67.1km,az=161.0,Kermadec Islands region

IDC 24 19:54:44.7.4.6.36:10N:71.26E,h55km,40km,mb3.5/5,
mb1 3.5/10,mb1mx3.2/43,mbtmp3.6/10,ML3.2/5, Error
ellipse: s-maj=35.9km s-min=22.2km,az=165.0
ISCJB 24 19:54:46.4.0.5.36:22N:0.04:71.18E:0.06,h100km,
mb3.6/4, Error ellipse: s-maj=7.0km s-min=4.9km
az=154.3

Code Station Name Az AZZ Phase ID Time Res
ASAR Alice Springs 40.17 267 Op ISC h m s ISC
0.2nm,0.3s,baz=107,slow=7.2,SNR=4.9

IDC 24 19:54:51.4.2.5.36:91N:70.71E,h0km,mb4.2,mpv3.8,
Error ellipse: s-maj=20.2km s-min=14.9km,az=159.0
ISC 24 19:54:48.7.0.8.36:37N:0.07:71.13E:0.07,h100km,n32,
az=268/39,mb3.6/4,2C-7D,Afghanistan-Tajikistan border
region

Code Station Name Az AZZ Phase ID Time Res
SFK Sufi-Kurgan 4.09 26 Op ISC h m s ISC
3.4nm,0.3s

Code Station Name Az AZZ Phase ID Time Res
SFK Sufi-Kurgan 4.09 26 Op ISC h m s ISC
3.4nm,0.3s

Code Station Name Az AZZ Phase ID Time Res
SFK Sufi-Kurgan 4.09 26 Op ISC h m s ISC
3.4nm,0.3s

Code Station Name Az AZZ Phase ID Time Res
SFK Sufi-Kurgan 4.09 26 Op ISC h m s ISC
3.4nm,0.3s

Code Station Name Az AZZ Phase ID Time Res
SFK Sufi-Kurgan 4.09 26 Op ISC h m s ISC
3.4nm,0.3s

AHML Horco Molle 2.80 181 eP Pb 20 03 02.8 -2.2

ISK 24 20:16:45.8.38:10N:42:72E,h5km,ML2.9/9
ISCJB 24 20:16:46.7.0.5.38:09N:0.03:42:72E:0.04,h3km,4km,
Error ellipse: s-maj=5.7km s-min=3.4km,az=44.6
DDA 24 20:16:46.6.38:07N:42:72E,h16km,ML2.9
ISC 24 20:16:46.9.1.1.38:08N:0.03:42:75E:0.03,h11km,10km,
n22,c0879/37,Turkey

Code Station Name Az AZZ Phase ID Time Res
GEVA Gevas 0.33 46 Op ISC h m s ISC
20 16 53.9 +0.2

IDC 24 20:28:47.8.5.7.39:43N:110.75E,h0km,mb3.4/3,
mb1 3.5/4,mb1mx3.2/55,mbtmp3.4/4,ML2.9/1,MS2.9/1,
Ms1 2.9/1,ms1mx2.2/24, Error ellipse: s-maj=119.4km
s-min=24.7km,az=84.0,Western Nei Mongol

Code Station Name Az AZZ Phase ID Time Res
SONM Songino Array 8.97 341 Op ISC h m s ISC
0.1nm,0.3s,baz=162,slow=14.5,SNR=6.8

Code Station Name Az AZZ Phase ID Time Res
WEL 24 20:29:20.9.44:5.9:16.9E:1,h5km,ML4.1/11,South
Island

Code Station Name Az AZZ Phase ID Time Res
JCZ Jackson Bay 0.16 67 Op ISC h m s ISC
20 29 25.6 +1.5

NIED 24 20:29:00.35:90N:140:90E,h5km,Mw3.4 Best double
couple: M=1.33000e+10, N1=332.0000e-069,000000,
lambda=172.0000e-069, N2=239.0000e-063,000000,
lambda=21.0000e-069

JMA 24 20:29:29.6.0.1.35:31N:140:93E,h16km,1km,M3.5,
Near east coast of eastern Honshu
Code Station Name Az AZZ Phase ID Time Res

Code Station Name Az AZZ Phase ID Time Res
AHML Horco Molle 1.08 65 eP Pb 20 03 58.5 +1.1

Code Station Name Az AZZ Phase ID Time Res
AHML Horco Molle 1.08 65 eP Pb 20 03 58.5 +1.1

ellipse: s-maj=11.9km s-min=7.0km,az=75.0
BUJ 24 21:07:43.5.29:02N:94:36E,h26km,mb4.2/7,mb4.1/1,
ML3.5/4,Ms3.3/1,Ms7.3/1
ISC 24 21:07:42.5.0.6.28:77N:0.04:94:39E:0.06,h25km,n39,
az=199/47,mb3.9/10,Eastern Xizang-India border region

Code Station Name Az AZZ Phase ID Time Res
ZIRO ZIRO 1.32 201 eP ISC h m s ISC
20 08 07.1 +1.5

Code Station Name Az AZZ Phase ID Time Res
ZIRO ZIRO 1.32 201 eP ISC h m s ISC
20 08 07.1 +1.5

Code Station Name Az AZZ Phase ID Time Res
ZIRO ZIRO 1.32 201 eP ISC h m s ISC
20 08 07.1 +1.5

Code Station Name Az AZZ Phase ID Time Res
ZIRO ZIRO 1.32 201 eP ISC h m s ISC
20 08 07.1 +1.5

Code Station Name Az AZZ Phase ID Time Res
ZIRO ZIRO 1.32 201 eP ISC h m s ISC
20 08 07.1 +1.5

Code Station Name Az AZZ Phase ID Time Res
ZIRO ZIRO 1.32 201 eP ISC h m s ISC
20 08 07.1 +1.5

Code Station Name Az AZZ Phase ID Time Res
ZIRO ZIRO 1.32 201 eP ISC h m s ISC
20 08 07.1 +1.5

Code Station Name Az AZZ Phase ID Time Res
ZIRO ZIRO 1.32 201 eP ISC h m s ISC
20 08 07.1 +1.5

Code Station Name Az AZZ Phase ID Time Res
ZIRO ZIRO 1.32 201 eP ISC h m s ISC
20 08 07.1 +1.5

Code Station Name Az AZZ Phase ID Time Res
ZIRO ZIRO 1.32 201 eP ISC h m s ISC
20 08 07.1 +1.5

Code Station Name Az AZZ Phase ID Time Res
ZIRO ZIRO 1.32 201 eP ISC h m s ISC
20 08 07.1 +1.5

Code Station Name Az AZZ Phase ID Time Res
ZIRO ZIRO 1.32 201 eP ISC h m s ISC
20 08 07.1 +1.5

24d 22h

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Tokai 2, Kouya, Wachi, Aioi, Shimob, Odawara 2, Monobe, Hachijo jima 2, etc.

ISC/JB 24 21:19:45.7-0.3, 5.42S:0.05:151.84E:0.06, h45km, mb4.7/43, MS3.7/14, Error ellipse: s-maj=10.0km s-min=9.4km az=31.6

BJJ 24 21:19:46.5-40S:5.151:80E, h47km, mb4.6/22, mb5.0/12, Ms4.8/3, Ms7.4/52

NEIC 24 21:19:47.6-1.2, 5.41S:151.85E, h48km, 10km, mb4.7/21, Error ellipse: s-maj=12.4km s-min=6.0km az=124.0

IDD 24 21:19:48.5-3.9, 5.49S:151.89E, h62km, 34km, mb4.0/14, mb1.4/2.15, mb1mx0.3/4, mbtmp4.3/15, ML3.8/1, MS3.6/14, Ms1.3/6.14, ms1mx3.4/32, Error ellipse: s-maj=28.1km s-min=13.0km az=117.0

ISC 24 21:19:47.2-0.5, 5.49S:0.07:151.87E:0.09, h45km, n74, r=135/63, mb4.5/43, MS3.7/14, New Britain region

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Rabul, Manus Island, Honiara, Charters Town, Sorong, etc.

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Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like WMQ, SVW2 Sparrevohr, CNPM China Poot, SKT Sanae, etc.

GUC 24 21:27:26.0-0.6, 31.62S:72.16W, h35km, 6km, ML3.7, SJA 24 21:27:28.0-0.6, 31.72S:72.27W, h22km, 25km, ML3.4, MW3.4

ISC 24 21:27:25.2-1.7, 31.65S:0.03:72.03W:0.08, h14km, n22, r=2518/31, 4D, Off coast of central Chile

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like CMCH Combarbala, ROCH El Roble, GO04 Tololo Observa, etc.

NEIC 24 21:32:16.5-0.0, 15.61N:97.48W, h16km, MD4.0(MEX), After MEX. MEX 24 21:32:16.5-0.7, 15.61N:97.48W, h16km, 13km, MD4.0, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like PNIG Pinotepa, PNIG Pinotepa, HUIG Huatulo, etc.

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ellipse: s-maj=37.2km s-min=25.7km az=74.0 ISC 24 22:03:50.4-1.0, 56.0S:0.2-27.6W:0.3, h112km, n11, r=1516/11, mb4.0/5, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like VNA1 Neumayer-Stat, VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, etc.

SJA 24 22:05:47.5-0.8, 23.09S:64.38W, h576km, 7km, ML4.4, MW4.1

ISC/JB 24 22:05:40.4-0.4, 22.78S:0.04:63.76W:0.05, h535km, mb4.1/6, Error ellipse: s-maj=6.4km s-min=5.4km az=15.8

NEIC 24 22:05:60.0-0.4, 22.79S:63.74W, h527km, 7km, MD4.4(SJA), Error ellipse: s-maj=9.7km s-min=7.5km az=99.0

IDD 24 22:05:50.8-1.4, 22.78S:63.67W, h529km, 17km, mb3.7/6, mb1.3/7.11, mb1mx3.3/40, mbtmp4.6/11, Error ellipse: s-maj=22.7km s-min=16.6km az=69.0

ISC 24 22:05:50.5-0.6, 22.82S:0.06:63.82W:0.07, h535km, n40, r=1941/59, mb4.3/6, 1C, Saita Province

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like ALOL LOMAS DE OLMED, ALOL Humahuaca, YJA Yavi, etc.

BJJ 24 22:11:54.9, 0.65S:123.96E, h140km, mb4.6/39, mb4.8/22, ISC/JB 24 22:11:01.7-0.3, 0.04N:0.03:123.55E:0.2, h150km, 3km, mb4.4/46, Error ellipse: s-maj=4.5km s-min=4.0km az=14.6

NEIC 24 22:12:03.2-0.7, 0.12N:123.58E, h152km, 6km, mb4.6/18, Error ellipse: s-maj=8.3km s-min=6.0km az=71.0

DJA 24 22:12:03.4-0.2, 0.12N:123.58E, h128km, 4km, M4.8/21, mb5.2/13, mb5.2/13, MLV.5/12, MW(mb)4.6/13

IDD 24 22:12:04.1-1.5, 0.09N:123.55E, h161km, 14km, mb4.0/17, mb1.4/2.22, mb1mx0.3/6, mbtmp4.5/22, MS3.2/4, Ms1.3/2.4, ms1mx2.6/32, Error ellipse: s-maj=15.1km s-min=8.0km az=71.0

ISC 24 22:12:03.0-0.6, 0.02S:0.04:123.57E:0.04, h149km, 5km, n110, r=1955/136, mb4.6/46, 1D, Minahassa Peninsula, Sulawesi

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

Table with columns: Station Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like SANI Sanana, MPSI Mapaga, PCI Palu, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like GTA Gaotai, PKI Pulchoki, DMN Daman, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like ROCH, ROC1 El Roble, ANTU Antumapu, etc.

25d 1h

Table with columns: UBR, Ueberruh, 2.75 52 ePn, Pn, 01 11 42.4 +1.1, MTLF, comp=E,83nm,0.6s, 4.29 233 Pn, Pn, 01 12 01.5 -0.8, VRAC, comp=Z,0.8nm,0.3s,baz=313,slow=19,SNR=2.6, Lg, Lg, 01 14 51.3

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Table with columns: MTLF, comp=E,83nm,0.6s, 4.29 233 Pn, Pn, 01 12 01.5 -0.8, VRAC, comp=Z,0.7nm,0.3s,baz=160,slow=23,SNR=7.5, Lg, Lg, 01 14 02.2 -4.7

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Table with columns: VRAC, comp=Z,0.7nm,0.3s,baz=160,slow=23,SNR=7.5, Lg, Lg, 01 14 02.2 -4.7, VRAC, Vranov, 7.32 60 eSN, Sn, 01 14 02.2 -4.7

ISCJB 25 01:36:54.9e,0.5,41.93N,0.03:45.97E,0.03,h1km,10km, MOS 25 01:36:54.2,0.0,41.93N,46.02E,h10km,MPVA3.1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, DDFL, Dedoflistskaro, 0.69 128 P, P, 01 37 08.4 +3.1

BUI 25 01:39:39.1,6.52S,130.92E,h141km,mb4,7/17,mb5,1/10, IDC 25 01:39:40.9,1.8,6.32S,130.29E,h118km,16km,mb4,0/16,

DJA 25 01:39:41.2,0.2,6.52S,130.92E,h160km,4km,M4,9/19, NBIC 25 01:39:42.0,0.5,6.41S,130.22E,h136km,9km,mb4,6/23,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, SAUI, Saumlaki, 1.84 147 P, P, 01 40 15.8 +0.8

Table with columns: WRA, WARRAMUNGA ARR, 14.00 164 P, Pn, 01 42 50.5 -4.3, etc. Includes stations like WARRAMUNGA ARR, WARRAMUNGA ARR, WARRAMUNGA ARR, etc.

Table with columns: KURK, KURCHATOV, 72.18 328 eP, P, 01 50 51.6 +0.1, etc. Includes stations like KURCHATOV, VANDA, VANDA, etc.

Table with columns: IML, XNQ, KHINALIQ, 4.33 291, Sn, 03 22 23.1 -0.1, etc. Includes stations like KHINALIQ, QUSAR, GABALA, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like NIE Niedzica, DPC Dobruska-Polom, KSP Ksiadz, VRAC Vranov, KRUC Moravsky, TREC Trest, PVCC Panska Ves, PRU Pruhonice, KHC Kasperke Hory.

IDC 25 03:47:01.9:2.3, 2.62S:141.24E, h0km, mb3.9/3, mb1 4.2/4, mb1mx3.7/35, mbtmp4.0/4, ML4.1/1, Error ellipse: s-maj=41.5km s-min=10.2km az=26.0, Near north coast of New Guinea

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like JAY Jayapura, WRA Warramunga Arr, WRA WRA, FITZ Fitzroy Crossi, ASAR Alice Springs, STKA Stephens Creek, LPAZ La Paz.

IDC 25 03:51:30.9:8.3, 36.14N:71.47E, h242km, 79km, mb3.2/4, mb1 3.2/6, mb1mx2.9/4.1, mbtmp3.8/6, Error ellipse: s-maj=59.6km s-min=30.8km az=160.2

NCC 25 03:51:37.8:1.0:1.0, h2.07E, h0.0E, h220km, 17km, mb2.6, mpv3.8, Error ellipse: s-maj=16.6km s-min=12.6km az=93.0

ISC 25 03:51:30.4:1.6, 36.55N:0.1:70.9E:0.1, h188km, m19, c19KAR/24, 6C-6D, Hindu Kush region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like SFK Sufi-Kurgan, AML Almayashu, MNAS Manas, MNAS MNAS, UCHT Ucht, KZA Kyzart, EKSS Erkin-Say, KK31 Karatay Array, AAK Ala-Archa, TKM2 Tokmak 2, TKM2 Tokmak 2, MKAR Makanchi Array, AB31 Akbulak array, AKTO Aktyubinsk, AKTO Aktyubinsk, ZALV Zalesovo Beam, KBZ Khabaz, ARCES ARCES Array B, TORD Torodi Arr, TORD Torodi Arr.

IDC 25 03:52:09.4:6.4, 63.56S:173.20E, h0km, mb3.7/3, mb1 3.9/4, mb1mx3.8/21, mbtmp3.7/4, ML3.3/1, MS3.6/4, MS1 3.6/4, ms1mx3.2/20, Error ellipse: s-maj=23.7km s-min=27.6km az=70.0, Baileny Islands region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like Vnda Vanda, RPZ Rata Peaks, URZ Urewera, QSPA South Pole Qui, QSPA QSPA, H01W1 Cape Leeuwin H, H01W2 Cape Leeuwin H, H01W3 Cape Leeuwin H, ASAR Alice Springs, WRA Warramunga Arr, H08S2 Diego Garcia H, H08S1 Diego Garcia H, H08S3 Diego Garcia H.

NIED 25 04:09:00, 37.80N, 142.00E, h8km, Mw3.8 Best double couple: M6.48000:1014 NP1=134.00000, 326.00000, 1.55.00000, NP2=276.00000, 869.00000, 1.105.00000

ISCJB 25 04:09:57.3:1.3, 37.78N:0.04:142.03E:0.04, h2km, 7km, mb3.9/14, Error ellipse: s-maj=7.0km s-min=5.1km az=140.2

IDC 25 04:09:57.7:0.7, 37.59N:142.21E, h0km, mb3.8/10, mb1 3.9/13, mb1mx3.8/43, mbtmp3.7/13, ML3.6/2, MS2.9/2,

M1 2.9/2, ms1mx2.5/31, Error ellipse: s-maj=22.6km s-min=17.2km az=100.0 JMA 25 04:09:59.2:0.2, 37.78N:141.98E, h28km, 3km, M4.0, NEIC 25 04:09:59.1:4.6, 37.61N:142.30E, h10km, 28km, mb4.4/4, Error ellipse: s-maj=13.6km s-min=8.0km az=112.0

ISC 25 04:09:58.4:3.5, 37.71N:0.05:141.88E:0.07, h5km, 22km, n47, c0753/44, mb3.9/14, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like JIO Ouri, JFK Kawauchi, JMM Marumori, JMU Okura, JOT Otama, JMT Ichinoseki, JMS Shiratama, JYS Kaniyama, JOM Ohasama, MJAR Matsushiro Arr, MAJO Matsushiro, MAJO Matsushiro, MAT Matsushiro, MJB9 Matsu-Tunnel, INU Inuyama, ASAJ Anshikawa, ASAJ Zalesovo Beam, USRK Ussuriysk Ar, JOW Kunigami, SEY Seymour, H1N2 WAKE ISLAND Hy 28.18 122 T, H1N1 WAKE ISLAND Hy 28.19 123 T, H1N3 WAKE ISLAND Hy 28.20 122 T, H1S1 WAKE ISLAND Hy 28.92 125 T, H1S2 WAKE ISLAND Hy 28.94 125 T, ZAA1 Zalesovo Array, ZALV Zalesovo Beam, MK32 Makanchi Array, MKAR Makanchi Array, KURK Kurchatov, ILAR Eielson Array, ILB Eielson Array, WB2 Warramunga Arr, WR1 Warramunga Arr, WRA Warramunga Arr, AS31 Alice Springs, ASAR Alice Springs, NB200 NORSAR Array S, NOA NORSAR Array B, AKAS Akasaka, AKKB Main Array Si, NV01 Mina Array Sit, PD31 Pinedale Array, PDAR Pinedale Array, PPT2 Papeete2, TXAR Lajitaa Array, LPAZ La Paz.

IDC 25 04:35:08.3:2.3, 7.76S:155.05E, h0km, mb3.7/5, mb1 3.9/5, mb1mx3.8/20, mbtmp3.7/5, Error ellipse: s-maj=86.1km s-min=27.0km az=123.0, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, SONM Songoing Array, MKAR Makanchi Array, ILAR Eielson Array, TORD Torodi Arr.

ISCJB 25 04:56:32.0:0.3, 24.31N:0.02:122.18E:0.02, h56km, 5km, Error ellipse: s-maj=3.3km s-min=2.5km az=157.5 TAP 25 04:56:32.4, 24.33N:122.14E, h58km, ML3.2, B JMA 25 04:56:32.4:0.1, 24.24N:122.16E, h47km, 3km, M2.7

ISC 25 04:56:32.4:1.2, 24.31N:0.03:122.18E:0.02, h55km, 8km, n83, c073/128, 4C-1D, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like EOS1 EOS1, NANB Nanao, NANB Nanao, ENA Nanao, TWC Suao, TWC Suao, NACB Ninganchiao, NACB Ninganchiao, TWD TWD, TWD TWD, ILA ilan, TWE Neichung, TWE Neichung, NTC Toucheng, NTC Toucheng, ENT1 Nioudou, ENT1 Nioudou, ENT2 Nioudou, ENT2 Nioudou.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like YONG Yonagunijimaku, TWB1 Santiao Chiao, TWSB1 Santiao Chiao, NNSB Datong, NNSB Datong, NNS Nan Shan, NNS Nan Shan, NNLW Wulai, YOJ Yonaguni jima, YOJ Yonaguni jima, YOJ Yonaguni jima, YHNB Yeheng, YHNB Yeheng, NSK Sanguaneng, NSK Sanguaneng, NSK Shilin, NSK Shilin, NWF Wu-fen Shan, NWF Wu-fen Shan, WFSB Wu-fen Shan, WFSB Wu-fen Shan, WHF Hehuan Shan, WHF Hehuan Shan, TWA Mucha, TWA Mucha, TATO Taipei, TATO Taipei, TWT Tachien, TWT Tachien, TDCB Techi, TDCB Techi, EGFH Renai, EGFH Renai, CHGB Renai, CHGB Renai, YM07 YM07, YM07 YM07, YM10 YM10, YM10 YM10, YM11 YM11, YM11 YM11, YM05 YM05, YM05 YM05, YM04 YM04, YM04 YM04, YM08 YM08, YM08 YM08, YM03 YM03, YM03 YM03, HGSD Ruisui, HGSD Ruisui, TWY Chenhua, TWY Chenhua, LIOB Emei, LIOB Emei, NNST Nanjiao, NNST Nanjiao, NHT Hungye, NHT Hungye, YULB Yu-I, YULB Yu-I, YULB Yu-I, SSLB Suanglung, SSLB Suanglung, SMLT Sun Moon Lake, SMLT Sun Moon Lake, TWF1 Yuli, TWF1 Yuli, TWQ1 Lyutan, TWQ1 Lyutan, TWQ1 Lyutan, NMLH Miaoli, NMLH Miaoli, NSY Sanyi, NSY Sanyi, PCYT Pengchiay, PCYT Pengchiay, FULL Full, FULL Full, TCU Tachung, TCU Tachung, YUS Yu-Shan, YUS Yu-Shan, WJS Zhushan, WJS Zhushan, CHKT Chengkung, CHKT Chengkung, CHKT Chengkung, IRIF Iriomote-Funau, IRIF Iriomote-Funau, WNT Mingtan, WNT Mingtan, ALS Alishan, ALS Alishan, HATJ Hateruma jima, HATJ Hateruma jima, CHNS Tsauling, CHNS Tsauling, JKRS Kuro-shima, JKRS Kuro-shima, RLNB Erlin, RLNB Erlin, CHN4 Tsauhsan, CHN4 Tsauhsan, TPUB Ta-pu, TPUB Ta-pu, WTP Ta-pu, WTP Ta-pu, TWGBT Beinan, TWGBT Beinan.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Ishigaki jima, Pinlang, Hsiyning, Nanshi, Szu, etc.

ISK 25 05:16:24.9, 40.41N, 34.40E, h2km, ML2.3/11
DDA 25 05:16:25.5, 40.43N, 34.42E, h7km, ML2.8
ISC 25 05:16:25.5, 1.1, 40.42N, 0.003, 34.42E, 0.02, h19km, 2km, n22, e0586/33, Turkey

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

ISC 25 05:18:55.5, 3.9, 53.07S, 152.97E, h0km, mb3.3/2,
mb1 3.6/2, mb1mx3.4/27, mbtmp3.4/2, Error ellipse:
s-maj=178.8km s-min=49.8km az=124.0, New Britain
region

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

ISC 25 05:28:14.2, 2.7, 11.04S, 113.31E, h0km, mb3.3/3,
mb1 3.7/4, mb1mx3.5/37, mbtmp3.5/4, ML3.2/1, MS4.1/1,
Ms1 4.1/1, ms1mx2.7/18, Error ellipse: s-maj=122.8km
s-min=25.7km az=47.0

NEIC 25 05:28:16.7, 0.5, 11.00S, 113.47E, h10km, mb4.0/3, Error
ellipse: s-maj=14.5km s-min=5.9km az=224.0
ISCJB 25 05:28:17.6, 0.5, 10.86S, 0.05, 113.61E, 0.04, h25km,
mb3.9/7, MS4.0/1, Error ellipse: s-maj=7.0km s-min=5.0km
az=30.2

DJA 25 05:28:18.6, 1.0, 11.1S, 6.11E, h26km, 11km, M4.1/12,
mb4.2/2, ML4.0/12

ISC 25 05:28:19.0, 0.9, 10.88S, 0.08, 113.63E, 0.05, h25km, n32,
e127/34, mb3.7/7, South of Jawa

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

MOS 25 05:37:57.6, 1.0, 32.83S, 69.92W, h89km, mb4.8/25, Error
ellipse: s-maj=14.5km s-min=6.4km az=99.6
SJA 25 05:37:57.6, 0.8, 32.85S, 70.22W, h115km, 5km, ML4.8,
MW4.8
GUC 25 05:37:58.8, 0.7, 32.77S, 70.17W, h105km, 6km, ML4.9
ISCJB 25 05:37:58.8, 0.2, 32.80S, 0.02, 70.06W, 0.04, h104km, 1km,
mb4.7/146, Error ellipse: s-maj=5.5km s-min=3.6km
az=6.4

NEIC 25 05:37:58.0, 0.0, 32.77S, 70.17W, h105km, mb4.8/133,
MD4.8(SJA), ML4.9(GUC), After GUC

NEIC FL1 (JV) at Los Andes; (II) at Colina, Papudo, San
Bernardo, San Felipe, San Jose de Maipo, Santiago,
Valparaiso and Zapallar; (III) at Casablanca, Isla de Maipo,
Melipilla, Puente Alto, Quillota and Talagante.

IDC 25 05:38:01.1, 0.6, 32.85S, 69.86W, h12km, 5km, mb4.4/17,
mb1 4.5/18, mb1mx3.3/32, mbtmp4.7/18, MS3.4/3,
Ms1 3.4/3, ms1mx3.0/19, Error ellipse: s-maj=16.8km
s-min=9.6km az=83.0

ISC 25 05:38:00.3, 0.4, 32.85S, 0.03, 70.18W, 0.04, h107km, 3km,
h107km, pP-P, n58.1, e106/618, mb4.7/146, 17C-9D

Chile-Argentina border region

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Neumayer-Stat, Neumayer-Watz, APG, etc.

Table with columns: Property ID, Name, Address, Price, Status, and other details. Includes properties like W50A Signal Mountai, V53A Saluda, X46A Booneville, etc.

Table with columns: Property ID, Name, Address, Price, Status, and other details. Includes properties like R48A Northridge Ran, T41A Mountain View, WMOK Wichita Mounta, etc.

Table with columns: Property ID, Name, Address, Price, Status, and other details. Includes properties like M49A Liberty Center, O41A Passleys Farm, N44A Piper City, etc.

Table with columns: ID, Name, RA, Dec, Mag, Type, and other parameters. Includes stations like G42A Mountain, MURC Murrieta, PV14 Lion Creek, etc.

Table with columns: ID, Name, RA, Dec, Mag, Type, and other parameters. Includes stations like KVN Kaiserville, KVN Kaiserville, WAKR Walker, etc.

Table with columns: ID, Name, RA, Dec, Mag, Type, and other parameters. Includes stations like PSI Prapat, NIL Niore, KURK Kurchatov, etc.

BUI 25 05:39:30.2, 6.765s, 155.48E, h84km, mb4.7/21, mbA.9/16, Ms4.8/Ms7.4/5.3
ISCJB 25 05:39:31.3, 0.2, 6.97S: 0-04:155.45E: 0-04, h100km, mb4.6/59, Error ellipse: s-maj=5.9km s-min=5.2km az=140.9
IDC 25 05:39:31.3, 2.3, 6.89S: 155.46E, h86km, 20km, mb4.2/19, mb1.4/3/21, mb1mx3.4/3/1, mbtmp.4/5/21, MS3.7/8, Ms1.3/7/8, ms1mx3.2/2/8, Error ellipse: s-maj=14.0km s-min=12.2km az=57.0
NEIC 25 05:39:32.2, 0.8, 6.97S: 155.48E, h96km, 6km, mb4.6/27, Error ellipse: s-maj=5.5km s-min=4.8km az=110.0
ISC 25 05:39:32.7, 0.3, 6.96S: 0.06, 155.48E, 0.06, h100km, n131, c1503/127, mb4.6/58, 1C, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, RA, Dec, Mag, Type, and other parameters. Includes stations like RABL Rabaul, HNR Honiara, MANU Manu Island, etc.

25d 6h

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like THZ Tophouse, KHZ Kahutara, MJAR Matsushiro Arr, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like NVAR Mina Array Bea, SYO Synowa Base, YKA Yellowknife Ar, etc.

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Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like PVLZ Melilla, MELI Melilla, MELI Melilla, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AKASG Malin Array Be, BRTR Keskin Array B, TXAR Lajitas Array.

ISCJB 25 09:45:43.7-1.3, 28.70N-0.04-128.54E:0.0, h5km, 9km, mb3.5/4, Error ellipse: s-maj=9.0km s-min=6.2km az=176.0

JMA 25 09:45:43.7-0.3, 28.73N: 128.51E, h7km, 4km, M3.2, IDC 25 09:45:47.4-3.6, 28.01N: 127.17E, h0km, mb3.6/4, mb1.3/7.4, mb1mx3.4/31, mbtmp3.6/4, Error ellipse: s-maj=220.0km s-min=25.5km az=65.0

ISC 25 09:45:45.4-1.7, 28.87N-0.04-128.66E:0.0, h12km, 11km, n13, c094/19, mb3.5/4, Ryukyu Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JAMN Amaminishikomi, JAMN Takarajima, JAMN Amami Oshima, etc.

MEX 25 09:58:57.6-0.5, 15.87N-92.75W, h177km, 4km, MD3.7, Mexico-Guatemala border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PCIG Comitan, CGIG Comitan, TGIG Comitan.

NNC 25 10:05:01.4-3.8, 40.91N-69.76E, h0km, mb3.4, mpv3.0, Error ellipse: s-maj=29.7km s-min=18.4km az=43.0

KRNET 25 10:05:04.6-0.1, 40.84N-69.76E, mb2.7, IDC 25 10:05:01.6-2.2, 40.90N-0.06-69.6E:0.1, h10km, n13, c1867/22, 19C-7D, Tajikistan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BTK Batken, ARK Arkit, ARK31 Karatay, KSM Kismat, etc.

ISK 25 10:08:29.1, 38.14N-42.69E, h10km, ML2.2/5, ISCJB 25 10:08:30.4-0.7, 38.11N-0.03-42.70E:0.0, h5km, 5km, Error ellipse: s-maj=6.5km s-min=5.6km az=34.4

DDA 25 10:08:30.8, 38.05N-42.65E, h7km, ML2.5, IDC 25 10:08:29.6-1.5, 38.10N-0.04-42.70E:0.0, h5km, 12km, n13, c064/23, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GEVA Gevas, SRTM Siirt_Merkez, SIRT Sirt, etc.

BUI 25 10:09:37.6, 0.03N-124.86E, h164km, mb5.1/58, mb4.9/33, ISCJB 25 10:09:44.0-2.0, 0.67N-0.02-124.60E:0.0, h182km, 2km, mb4.9/33, Error ellipse: s-maj=9.9km s-min=2.2km az=155.5

MOS 25 10:09:44.6, 1.0, 0.73N-124.53E, h184km, mb5.0/61, Error ellipse: s-maj=9.9km s-min=4.9km az=117.7

NEIC 25 10:09:45.0-0.5, 0.69N-124.55E, h174km, 4km, mb5.0/55, Error ellipse: s-maj=5.1km s-min=3.1km az=62.0, DJA 25 10:09:45.1-0.1, 1.1, 2x12 SE:1, h163km, 2km, M4.5/42, mb5.0/19, mb4.9/42, MLV5.1/21, Mw(mB)4.3/19, IDC 25 10:09:45.3-1.0, 0.70N-124.52E, h175km, 8km, mb4.5/27, mb1.4/6.2/9, mb1mx4.6/35, mbtmp5.0/29, Error ellipse: s-maj=12.4km s-min=6.6km az=68.0

ISC 25 10:09:45.0-0.5, 0.63N-0.03-124.58E:0.0, h174km, 3km, n340, c1931/387, mb5.0/135, h11A-P14D, Minahasa

Peninsula, Sulawesi

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KMSI Cibinong, LUWU Luwuk, MRSI Marisa, etc.

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

IDC 25 10:16:14.0:3.2,20.97S:177.67W,h474km,33km, mb3.4/5,mb1 3.5/6,mb1mx3.1/36,mbtmp4.3/6, Error ellipse: s-maj=88.2km s-min=19.3km az=138.0,Fiji Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time Res, h m s, ISC. Rows include AFI Afiamalu, STKA Stephens Creek, ASAR Alice Springs, WRA Warramunga Arr, PETK Petropavlovsk, CMAR Chiang Mai Arr, AKASG Malin Array Be, BRTR Keskin Array B.

DJA 25 10:19:58.1:1.1,5°N,4°9'6"E, h10km, M3.5/4, MLV3.5/4, Northern Sumatra

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time Res, h m s, ISC. Rows include MLSI Meulaboh, Aceh, LHMI Lhok Sumawe, TPTI, KCSI Kotacane, Aceh, SNSI Sinabang, Aceh.

IDC 25 10:27:32.1:0.8,55°85S:27°08W,h0km,mb4.2/6, mb1 4.4/7,mb1mx4.1/26,mbtmp4.3/7,ML4.8/1, Error ellipse: s-maj=29.2km s-min=19.2km az=66.0, IS/CJB 25 10:27:39.0:0.6,55°93S:0°09:27.3W:0.2,h63km,mb4.5/8, Error ellipse: s-maj=19.5km s-min=10.4km az=154.4, NEIC 25 10:27:43.6:2.0,55°98S:27°02W,h96km,18km,mb4.6/6, Error ellipse: s-maj=17.9km s-min=11.4km az=56.0, ISC 25 10:27:40.0:0.7,55°98S:0°1:27.0W:0.1,h63km,n33, r=152/25,mb4.8/8,South Sandwich Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time Res, h m s, ISC. Rows include HOPE Hope Point, VNA1 Neumayer-Stat, VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, SNAASanae, PMSA Palmer Station, QSPA South Pole Qui, CPUP Villa Florida, MAW Mawson, MAW Mawson, VANDA Vanda, H10S2 ASCENSION HYDR47.78, H10S3 ASCENSION HYDR47.78, H10S1 ASCENSION HYDR47.79, MNMC Minye Minye, LBTB Lobatse, H10N1 ASCENSION HYDR48.90, H10N3 ASCENSION HYDR48.90, H10N2 ASCENSION HYDR48.91, LPAZ La Paz, TORO Torodi Ar. Bea, TOA1 Torodi Ar. Sit, F10A Beach Ranch, INK Inuvik, DOT Dot Lake, IL1 Eielson Array, ILAR Eielson Array, ILB Eielson Array, SONA1 Sogino Array, SONM Sogino Array.

NIED 25 10:31:00,22°30'N,120°30'E,h20km,Mw5.0 Best double couple: M0:3.67000x10^16 Np1:3e+157,00000°,k24.00000°, l-87.00000°. NP2:334.00000°,866.00000°, l-91.00000°

IDC 25 10:31:14.7:0.5,22°43'N:120°58'E,h0km,mb4.7/27, mb1 4.8/28,mb1mx4.7/49,mbtmp4.7/28,ML4.3/1,MS4.6/6, Ms1 4.6/6,ms1mx4.0/45, Error ellipse: s-maj=17.5km s-min=9.8km az=111.0

JMA 25 10:31:16.1:0.1,22°31'N:120°33'E,h52km,3km,Ms1.1 TAP 25 10:31:17.6:2.2°43'N:120°37'E,h41km,ML5.4,B MOS 25 10:31:17.6:0.9,22°38'N:120°48'E,h30km,mb5.3/45, Error ellipse: s-maj=10.7km s-min=5.2km az=126.5, BUJ 25 10:31:17.5,22°58'N:120°35'E,h7km,mb4.7/54,mb4.9/39, ML4.6/2,Ms4.6/47,Ms7.4/625

ISCJB 25 10:31:18.8:0.2,22°46'N:0°11:20.42E:0°01,h36km,9km, mb4.9/111,MS4.5/2, Error ellipse: s-maj=2.2km s-min=1.8km az=177.6

NEIC 25 10:31:19.2:1.1,22°42'N:120°56'E,h31km,8km,mb5.0/57, ML5.5(TAP), Error ellipse: s-maj=4.2km s-min=2.9km s=97.0

NEIC Felt at Fengshan, Hengchun, Kaohsiung, Pingtung, Taichung and Tainan, Recorded [5 TAP] in Kaohsiung; [4 TAP] in Tainan; [3 TAP] in Pingtung; [2 TAP] in Changhua, Chiayi, Taitung and Yunlin; [1 TAP] in Hualien, Nantou, Penghu and Taichung.

GCMT 25 10:31:19.2:0.4,22°39'N:0°03:120°50'E:0.02,h30km,1km, MW5.1/59,Moment Tensor Solution. s21,c25; s59,c82; Duration: 0 Moment tensor: Scale 10^19Nm; Mr=-4.36e-44; Mw=0.71±.24; Mw±0.6±.28; Mw±0.9±.34; Mw±0.9±.13; Mw±2.6±.35; Best double couple: M0:5.1600x10^16 Np1:3e+149,00000°,l-92.00000°. NP2: 173.00000°,830.00000°,l-87.00000°. Principal axes: P 2.9450,Plg15.0000°,Az=80.0000°,N-0.8660,Plg2.0000°,Az=350.0000°; P -5.0860,Plg75.0000°,Az=254.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 25 10:31:20.0:0.5,22°45'N:0°02:120°44'E:0.02,h31km,3km, n452,r1557/520,mb5.0/116,41C-18D,Taiwan

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time Res, h m s, ISC. Rows include WLCH Liuqiu, WLCH Hsialiuqiu, TWP Hsialiuqiu.

Main table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time Res, h m s, ISC. Rows include TWP, KAU Kaohsiung, MASBT Mashbululo, SGLT Jiouzu, SSD Sandim, TWMT Shoushan, EAST Anshuo, TAW Tawu, TAI Tainan, TWK1 Yung-k'ang, TWKBT Hengchun, CHN3 Shinhua, SGST Jiashan, TWG Pinlang, TWG Pinlang, TSEB Hengchuen, Pin, TWGBT Beinan, TTN Taitung, CHN1 Nanshi, CHN1 Jiali, SCLT Jiali, STYT Tauyuan, STYT Tauyuan, WTP Tapu, WTP Hsiinyung, TWK Hsiinyung, TPUB Ta-pu, TPUB Ta-pu, CHN4 Tsauhsan, ELDTW Lidau, ELDTW Lidau, CHN8 Yiju, CHN8 Yiju, WLG8 Puzi, CHY Chiayi, CHY Chiayi, CHKT Chengkung, WDKT Dungi, FULB Fuli, FULB Lan-yu, LAY Lan-yu, CHN5 Tsauhsan, VCHM Gimei, WSF Szu, WSF Szu, TWFI Yuli, TWFI Yuli, YULB Yu-li, YULB Yu-li, WLGK Gugeng, WLGK Gugeng, WDLH Douliu, PHUB Peng-hu, PHUB Peng-hu, EHY Hungye, EHY Hungye, WMLT Mailiao, PNG Penghu.

Main table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time Res, h m s, ISC. Rows include HGSD Ruisui, WJS Zhushan, SSSLB Suanglung, SSSLB Suanglung, WTCT Ta-ch'eng, RLNB Erlin, RLNB Erlin, WNT Mingjian, SMLT Sun Moon Lake, TYC Yuchr, EGFH Guangfu, WCHH Zhanghua, WCHH Zhanghua, ESL Shilin, TCU Taichung, CHGB Renai, WHF Hehuan Shan, HWA Hwalien, TDCB Tech, TDCB Tech, TWD Tachien, TWD Tachien, NSY Sanyi, NACB Ninganchiao, NACB Ninganchiao, NMLH Miaoli, NNSB Datong, NNS Nan Shan, NSTT Nantung, LIOB Emei, ENA Nanao, NANSB Nanshan, NSK Sangung, YHNB Yeheng, YHNB Yeheng, SBCB Hsinchu, ENT T Nioudou, BBP Basco, TWC Suao, TWE Neicheng, EOS1 EOS1, KNM Kinmen, VVUC VVUC, TATO Taipei, KNMB Chin-men Tao, PTMZ Houxiangcun, YM04 YM04, ZPLA Ao Xicun, YM01 YM01, YM10 YM10, NWF Wu-fen Shan, WFSB Wu-fen Shan, YM05 YM05, YM11 YM11, YM03 YM03, TWB1 Santiao Chiao, YM07 YM07, YM08 YM08, QZH Quanzhou, QZH Quanzhou, JYNG Yonagunijimaku, JYNG Yonagunijimaku, PTTT Pingtan, YOJ Yonaguni jima, YOJ Yonaguni jima, YOJ Yonaguni jima, YOJ Yonaguni jima, YOJ Yonaguni jima, AXDP Jialang, HATJ Hateruma jima, HATJ Hateruma jima, PCYT Pengchayiu, IRIF Iriomote-Funau, IRIF Iriomote-Funau, MATB Ma-tsu, WLGK Kuro-shima, JKRS Yeshan, VDOS Pratas Island, VDOS Pratas Island, JIJ Jijiang jima, JIJ Jijiang jima, LYJJ Jianjiangzhen, JISG Ishigakijimahi, JISG Ishigakijimahi, XPSS Dashiqiu, JTJ Tarama.

25d 10h

Table with columns for station code, name, frequency, and signal strength. Includes stations like JTJ, APY, ABRA, JIRB, etc.

2012 OCT

Table with columns for station code, name, frequency, and signal strength. Includes stations like CM01, CMAR, CMAR, etc.

1158

Table with columns for station code, name, frequency, and signal strength. Includes stations like PYUN, WMO, WMO, etc.

1159	ZEI	Tsey	65.44 308	eP	P	10 41 59.3	-0.9
	VRH	Novokhopovskoy	65.85 317	eP	P	10 42 01.9	-0.5
	AKH	Akhalkalaki	65.96 307	eP	P	10 42 03.2	-0.3
	AKH	Akhalkalaki	65.96 307	eP	P	10 42 03.2	-0.3
	KBZ	Khabaz	66.03 309	eP	P	10 42 04.0	+0.3
	KIV	Kislovodsk	66.14 309	eP	P	10 42 05.4	+0.8
	KIV	Kislovodsk	66.14 309	eP	P	10 42 04.8	+0.2
	NEY	Neytrino	66.23 309	eP	P	10 42 07.0	+1.8
	LPSR	Galich'ya Gora	67.40 319	eP	P	10 42 11.7	-0.6
	VORD	Divnogorie	67.40 317	eP	P	10 42 10.9	-1.4
	VSR	Storozhevo	67.45 318	eP	P	10 42 11.2	-1.4
	MOS	Moscow	67.75 323	eP	P	10 42 12.6	-1.8
	RAYN	Ar Rayn	68.19 287	eP	P	10 42 18.1	+0.2
	RAYN	Ar Rayn	68.19 287	eP	P	10 42 18.1	+0.2
	OBIN	Obninsk	68.43 322	eP	P	10 42 18.3	-0.4
	ANN	Anapa	69.70 311	eP	P	10 42 25.2	-1.6
	ARAO	ARCES Array B	70.88 338	eP	P	10 42 34.2	+0.6
	ARCS	ARCES Array B	70.88 338	eP	P	10 42 34.2	+0.6
	VSU	Vasula	73.04 327	eP	P	10 42 47.0	+0.3
	VSU	Vasula	73.04 327	eP	P	10 42 46.9	+0.2
	BR101	Keskin Array S	73.64 307	eP	P	10 42 51.0	+0.2
	BR131	Keskin Array B	73.64 307	eP	P	10 42 51.0	+0.2
	BRTR	Keskin Array B	73.64 307	eP	P	10 42 51.0	+0.2
	BRTR	Keskin Array B	73.64 307	eP	P	10 42 51.0	+0.2
	AKASG	Malin Array Be	73.70 319	eP	P	10 42 49.8	-0.9
	AKBB	Malin Array Si	73.70 319	eP	P	10 42 49.8	-0.9
	AKBB	Malin Array Si	73.70 319	eP	P	10 42 49.8	-0.9
	KIEV	Kiev	73.71 319	eP	P	10 42 50.0	-0.8
	AK11	Malin Array Si	73.74 319	eP	P	10 42 50.2	-0.8
	IDID	Didziasali	73.89 324	eP	P	10 42 52.2	+0.4
	ISAL	Salakas	74.15 324	eP	P	10 42 54.4	+1.1
	IGN	Ignalina	74.16 324	eP	P	10 42 53.8	+0.4
	ANTO	Ankara	74.23 307	eP	P	10 42 54.5	+0.3
	ANTO	Ankara	74.23 307	eP	P	10 42 54.5	+0.3
	TIRR	Tirgusor	76.02 312	eP	P	10 43 04.3	+0.1
	TIRR	Tirgusor	76.02 312	eP	P	10 43 04.3	+0.1
	SUW	Suwalki	76.25 323	eP	P	10 43 04.9	-0.5
	SUW	Suwalki	76.25 323	eP	P	10 43 04.6	-0.8
	SUW	Suwalki	76.25 323	eP	P	10 43 04.9	-0.5
	BUR0	Bucovina Ar. S	77.43 310	eP	P	10 43 10.1	-0.5
	BUR0	Bucovina Ar. S	77.43 310	eP	P	10 43 10.8	+0.1
	MLR	Muntele Rosu	77.35 314	eP	P	10 43 12.5	+0.5
	MLR	Muntele Rosu	77.35 314	eP	P	10 43 12.5	+0.5
	KLNR	Kaliningrad	77.69 324	eP	P	10 43 14.4	+1.0
	KWP	Kalvaria Pacia	78.02 319	eP	P	10 43 15.8	+0.4
	KWP	Kalvaria Pacia	78.02 319	eP	P	10 43 15.8	+0.4
	UZH	Uzghorod	78.63 318	eP	P	10 43 18.1	-0.7
	UZH	Uzghorod	78.63 318	eP	P	10 43 25.2	
	UZH	Uzghorod	78.63 318	eP	P	10 43 28.6	
	NB200	NORSAR Array S	79.43 332	eP	P	10 43 22.8	-0.2
	NOA	NORSAR Array B	79.43 332	eP	P	10 43 22.8	-0.2
	OJC	Ojcow	79.55 320	eP	P	10 43 24.2	+0.4
	OJC	Ojcow	79.55 320	eP	P	10 43 24.1	+0.3
	OJC	Ojcow	79.55 320	eP	P	10 43 24.2	+0.4
	NIE	Niedzica	79.56 319	eP	P	10 43 24.3	+0.3
	NIE	Niedzica	79.56 319	eP	P	10 43 24.3	+0.3
	VTS	Vitoshka	80.20 312	eP	P	10 43 28.2	+0.5
	VTS	Vitoshka	80.20 312	eP	P	10 43 28.2	+0.5
	VYHS	Vyhne	80.80 319	eP	P	10 43 31.1	+0.4
	VYHS	Vyhne	80.80 319	eP	P	10 43 31.1	+0.4
	MORC	Moravsky Berou	81.06 320	eP	P	10 43 32.4	+0.4
	MORC	Moravsky Berou	81.06 320	eP	P	10 43 32.4	+0.4
	MORC	Moravsky Berou	81.06 320	eP	P	10 43 32.2	+0.1
	KSP	Ksiaz	81.35 322	eP	P	10 43 34.2	+0.7
	KSP	Ksiaz	81.35 322	eP	P	10 43 34.2	+0.7
	JAVC	Velka Javorina	81.36 319	eP	P	10 43 35.1	+1.4
	DIVS	Divkare	81.81 314	eP	P	10 43 35.3	-0.9
	VRAC	Vranov	81.82 320	eP	P	10 43 36.3	+0.3
	KRUC	Krucina	82.04 320	eP	P	10 43 37.6	+0.4
	FNA	Florina	82.16 311	eP	P	10 43 37.0	-1.0
	FNA	Florina	82.16 311	eP	P	10 43 37.0	-1.0
	ABPO	Ambohianpanom	82.54 246	eP	P	10 43 40.5	+0.1
	ABPO	Ambohianpanom	82.54 246	eP	P	10 43 40.5	+0.1
	BRG	Bergjiesshubel	82.68 322	eP	P	10 43 40.7	+0.2
	BRG	Bergjiesshubel	82.68 322	eP	P	10 43 40.7	+0.2
	CONA	Conrad Observa	82.85 319	eP	P	10 43 42.2	+0.7
	TTG	Podgorica	82.97 313	eP	P	10 43 40.8	-1.3
	TTG	Podgorica	82.97 313	eP	P	10 43 40.8	-1.3
	COLL	Collim	83.01 323	eP	P	10 43 42.1	-0.1
	COLL	Collim	83.01 323	eP	P	10 43 42.1	-0.1
	ITM	Ithom	83.16 307	eP	P	10 43 42.1	-1.1
	ARSA	Arzberg	83.35 318	eP	P	10 43 42.3	-1.8
	KHC	Kasperske Hory	83.68 321	eP	P	10 43 46.1	+0.4

2012 OCT	KHC	Kasperske Hory	83.68 321	eP	P	10 43 46.1	+0.4
	GE2C	GERESS Array S	83.73 320	eP	P	10 43 46.3	+0.2
	GE2C	GERESS Array S	83.73 320	eP	P	10 43 46.3	+0.2
	GERES	GERESS Array B	83.73 320	eP	P	10 43 46.0	-0.1
	GEAO	GERESS Array S	83.74 320	eP	P	10 43 45.6	-0.4
	MOA	MOA	83.85 319	eP	P	10 43 47.1	+0.5
	SOKA	Soboth	83.90 318	eP	P	10 43 47.1	+0.1
	LEGS	Legarje	84.05 317	eP	P	10 43 47.8	+0.2
	KMBO	Celma Mbogo	84.12 266	eP	P	10 43 47.4	+1.5
	KMBO	Kilima Mbogo	84.12 266	eP	P	10 43 49.8	+0.9
	KMBO	Kilima Mbogo	84.12 266	eP	P	10 43 49.8	+0.9
	OBKA	Obir	84.28 318	eP	P	10 43 49.0	+0.1
	CRNS	Coen	84.65 318	eP	P	10 43 50.0	-0.7
	KBA	Koelnbreinspre	84.76 319	eP	P	10 43 50.7	-0.7
	KBA	Koelnbreinspre	84.76 319	eP	P	10 43 53.2	+1.8
	YKA	Yellowknife Ar	84.83 22	P	P	10 43 51.6	+0.4
	CADS	Cadrg	84.91 318	eP	P	10 43 51.1	-0.9
	ABTA	Abtaltersbach	85.42 319	eP	P	10 43 53.9	-0.7
	WTTA	Wattenberg	85.70 320	eP	P	10 43 56.1	-0.1
	SQTA	Sanct Quirin	85.97 320	eP	P	10 43 57.3	-0.1
	MOTA	Moosalm	85.98 320	eP	P	10 43 57.4	0.0
	FETA	Feichten	86.36 320	eP	P	10 43 59.2	-0.2
	DAVA	Damus	86.73 320	eP	P	10 44 01.5	+0.3
	FUORN	Ofenpass-Fuorn	86.83 320	eP	P	10 44 01.3	-0.5
	CEL	Celma Mbogo	87.06 310	eP	P	10 44 03.3	+0.4
	TUE	Stuetta	87.46 320	eP	P	10 44 04.1	-0.7
	CASY	Casey	87.77 184	eP	P	10 44 10.0	0.0
	BNI	Bardonecchia	89.79 320	eP	P	10 44 15.4	-0.4
	BNI	Bardonecchia	89.79 320	eP	P	10 44 15.4	-0.4
	SAOF	Seorge	89.82 318	eP	P	10 44 16.4	+0.6
	KEST	Kesra	92.87 311	eP	P	10 44 30.3	+0.2
	VNDA	Vanda	102.69 172	eP	P	10 49 25.4	-1.9
	TOA1	Torodi Ar. Sit	110.33 294	eP	P	10 49 46.7	-3.1
	TORD	Torodi Ar. Bea	110.33 294	eP	P	10 49 46.7	-3.1
	TXAR	Santo Domingo	147.02 20	eP	P	10 49 55.2	0.0
	SDV	Santo Domingo	147.02 20	eP	P	10 50 58.2	-0.5
	PTGA	Pitinga	158.41 1	eP	P	10 51 48.2	-1.2
	LPAZ	La Paz	169.86 54	eP	P	10 51 26.8	+0.7
	LPAZ	La Paz	169.86 54	eP	P	10 51 26.9	+0.8
	LPAZ	La Paz	169.86 54	eP	P	10 51 26.9	+0.8

25d 10h	JIO	Ofunato	0.73 354	eP	S	10 32 44.0	+0.5
	OFUJ	Ofunato	0.73 354	eP	S	10 32 46.1	+0.1
	OFUJ	Ofunato	0.73 354	eP	S	10 32 52.1	+0.3
	JMK	Ichinoseki	0.74 325	eP	S	10 32 42.2	+0.7
	JMK	Ichinoseki	0.74 325	eP	S	10 32 43.8	+1.3
	OKU	Okura	0.87 271	eP	S	10 32 56.5	+1.6
	JMM	Marumori	0.91 238	eP	S	10 32 43.0	-0.8
	JMM	Marumori	0.91 238	eP	S	10 32 54.9	-0.9
	JMM	Marumori	0.91 238	eP	S	10 32 48.3	+0.8
	JFK	Kawauchi	1.21 216	eP	S	10 32 46.8	-1.1
	MIYJ	Miyakonagasawa	1.23 2	eP	S	10 32 48.0	-0.1
	JYK	Shirayama	1.24 298	eP	S	10 32 49.2	+0.9
	JYS	Kaneyata	1.35 265	eP	S	10 32 50.3	+0.6
	JYS						

25d 10h

KSP	Ksiaz	79.13 328 eP	P	10 44 27.2 +0.7
KSP	Ksiaz	79.13 328 eP	P	10 44 27.2 +0.7
PDMDI	Parker Dam,Lak	79.15 55 P	P	10 44 27.2 +0.2
LTVH	L'viv'rtes,	79.44 43.9 +1.7	P	10 44 27.9 +0.6
DRGR		79.25 327 i/P	P	10 44 28.3 +0.9
Y12C	Blythe	79.25 55 P	P	10 44 27.4 -0.1
Y12C	comp-Z,33nm,1.0s	79.25 55 P	P	10 44 27.4 -0.1
ARR	Arges	79.31 320 i/P	P	10 44 29.2 +1.5
BIGH	Upper Bighouse	79.35 342 eP	P	10 44 28.2 +0.7
BIGH		79.41 327 eP	IAMB	10 44 30.0
PRD	Provadia	79.39 317 eP	P	10 44 28.9 +0.9
MORC	Moravsky Berou	79.41 327 eP	P	10 44 28.7 +0.5
MORC	comp-Z,82nm,1.0s	79.41 327 eP	P	10 44 28.7 +0.5
MORC	Moravsky Berou	79.41 327 i/P	P	10 44 28.6 +0.5
MORC	Moravsky Berou	79.41 327 eP	P	10 44 28.7 +0.5
MORC	comp-Z,82nm,1.0s	79.41 327 eP	P	10 44 28.5 +0.4
GLA	Glamis	79.50 56 eP	P	10 44 29.5 +0.7
GLA	comp-Z,29nm,1.0s	79.50 56 eP	P	10 44 29.5 +0.7
GLA	Glamis	79.50 56 eP	P	10 44 29.6 +0.7
GLA	comp-Z,29nm,1.0s	79.50 56 eP	P	10 44 29.6 +0.7
GLA	Glamis	79.50 56 eP	P	10 44 29.6 +0.7
GLA	comp-Z,29nm,1.0s	79.50 56 eP	P	10 44 29.6 +0.7
DPC	Dobruska-Polom	79.50 328 eP	P	10 44 29.5 +0.9
DPC		79.41 327 eP	P	10 44 44.1 +1.4
DPC		79.41 327 eP	P	11 22 20.0
DPC	Dobruska-Polom	79.50 328 eP	P	10 44 29.5 +0.9
DPC		79.41 327 eP	P	10 44 44.1
DPC		79.41 327 eP	P	10 44 44.1
KRLC	Kraliky	79.51 328 eP	P	10 44 29.5 +0.8
KRLC	Kraliky	79.51 328 eP	P	10 44 29.5 +0.8
PV09	Paradox Valley	79.51 49 eP	P	10 44 30.8 +0.8
PV21	Cone Mtn., Par	79.51 49 eP	P	10 44 30.8 +1.1
PV23	Carpenter Ridg	79.66 49 eP	P	10 44 31.1 +1.1
LOT	Lotru	79.69 321 i/P	P	10 44 29.7 -0.1
AGMN	Agassiz Natn	79.70 35 eP	P	10 44 28.9 -0.8
AGMN	comp-Z,152nm,2.0s	79.70 35 eP	P	10 44 29.4 -0.3
PV10	Paradox Valley	79.70 49 eP	P	10 44 31.4 +1.3
PV14	Lion Creek, Pa	79.71 49 eP	P	10 44 30.8 +0.6
PV22	Blue Mesa, Par	79.74 49 eP	P	10 44 31.3 +1.0
PSZ	Piszkesteto	79.75 325 eP	P	10 44 30.1 0.0
PSZ	comp-Z,28nm,1.1s	79.75 325 eP	P	10 44 31.0 +1.0
PSZ	Piszkesteto	79.75 325 eP	P	10 44 31.0 +1.0
PSZ	Piszkesteto	79.75 325 eP	P	10 44 31.0 0.0
PSZ	Piszkesteto	79.75 325 eP	P	10 44 31.0 0.0
PSZ	Piszkesteto	79.75 325 eP	P	10 44 31.0 0.0
PV20	West Nyswonger	79.76 49 eP	P	10 44 31.7 +1.2
PV19	Morning Glory	79.77 49 eP	P	10 44 31.2 +0.7
RSC	Scourie	79.78 343 eP	P	10 44 30.2 +0.4
VYHS	Yyhne	79.81 325 eP	P	10 44 31.0 +0.8
VYHS		79.81 325 eP	P	10 44 31.0 +0.8
VYHS	comp-Z,35nm,1.3s	79.81 325 eP	P	10 44 31.0 +0.8
VYHS	Yyhne	79.81 325 eP	P	10 44 31.0 +0.8
DEV	Deva	79.81 322 P	P	10 44 32.1 +1.8
PV17	East Wray Mesa	79.81 49 eP	P	10 44 31.4 +0.7
N23A	Red Feather L	79.81 45 eP	P	10 44 31.7 +0.9
N23A	comp-Z,124nm,1.5s	79.81 45 eP	P	10 44 31.3 +0.6
PV16	Nyswonger Mesa	79.81 49 eP	P	10 44 31.4 +0.7
PV11	David Mesa, Pa	79.85 49 eP	P	10 44 32.0 +1.1
PV05	Paradox Valley	79.86 49 eP	P	10 44 31.8 +0.8
PV18	Skein Mesa, Pa	79.86 49 eP	P	10 44 32.0 +1.0
PV12	Saucer Basin	79.88 49 eP	P	10 44 32.0 +0.9
PV03	Paradox Valley	79.89 49 eP	P	10 44 32.2 +1.0
KOLL	Kolacno	79.94 326 eP	P	10 44 31.6 +0.7
KOLL	Kolacno	79.94 326 eP	P	10 44 31.6 +0.7
PV13	Radium Mtn., P	79.97 49 eP	P	10 44 32.7 +1.0
PV02	Paradox Valley	79.99 49 eP	P	10 44 32.8 +1.1
JAVC	Velka Javorina	80.05 326 eP	P	10 44 33.0 +1.4
BRG	Berggiesshubel	80.07 329 i/P	P	10 44 31.8 +0.2
BRG	comp-Z,7.0nm,0.9s	80.07 329 i/P	P	10 47 27.9 -5.4
BRG		80.07 329 i/P	P	10 54 34.0 +2.0
BRG		80.07 329 i/P	P	10 59 54.0 +12
BRG	comp-N,2um,18.0s	80.07 329 i/P	P	10 44 31.8 +0.2
BRG	comp-E,1um,14.7s	80.07 329 i/P	P	10 54 34.0 +2.0
BRG	comp-Z,3um,17.0s	80.07 329 i/P	P	10 44 31.8 +0.2
BRG	Berggiesshubel	80.07 329 i/P	P	10 44 31.8 +0.2
BRG	comp-Z,73nm,1.0s	80.08 329 eP	P	10 44 32.7 +1.0
BRG		80.08 329 eP	P	11 22 20.0
BRG	comp-N,2um,18.0s	80.08 329 eP	P	10 44 32.7 +1.0
BRG	comp-E,1um,14.7s	80.08 329 eP	P	10 44 32.7 +1.0
BRG	comp-Z,3um,17.0s	80.08 329 eP	P	10 44 32.7 +1.0
PVCC	Panska Ves	80.08 329 eP	P	10 44 32.7 +1.0
PVCC	comp-Z,3um,16.8s	80.08 329 eP	P	10 44 32.7 +1.0
PVCC	Panska Ves	80.08 329 eP	P	10 44 32.7 +1.0
OGNE	Ogallala	81.93 43 eP	P	10 44 42.7 +0.8
OGNE	comp-Z,138nm,1.0s	81.93 43 eP	P	10 44 42.7 +0.8
OGNE	Ogallala	81.93 43 eP	P	10 44 41.5 -0.3
OGNE	comp-Z,138nm,1.0s	81.93 43 eP	P	10 44 41.5 -0.3
KORT	Korkulci	81.93 311 i/S	P	10 44 44.3 +2.4
MANT	Manisa	81.96 313 i/P	P	10 44 42.4 +0.1
MANT	Manisa	81.96 313 i/P	P	10 44 42.8 +0.6
VANTS	Vitosha	82.01 319 eP	P	10 44 42.5 +0.2
VTS	Vitosha	82.01 319 eP	P	10 44 42.9 +0.6
VTS	comp-Z,119nm,1.1s	82.01 319 eP	P	10 44 43.1 +0.8
VTS	Vitosha	82.01 319 eP	P	10 44 42.8 +0.6
VTS	Vitosha	82.01 319 eP	P	10 44 42.5 +0.2
VTS	Vitosha	82.01 319 eP	P	10 44 42.5 +0.2
ESK	Eskdalemuir	82.02 341 i/P	P	10 44 43.6 +1.8
ESK	comp-Z,33nm,0.9s	82.02 341 i/P	P	10 44 43.6 +1.8
GRF	Grafenberg Arr	82.07 330 P	P	10 44 42.2 +2.4
GRF		82.07 330 P	P	10 44 43.0 +0.7
GRFO	Grafenberg	82.08 330 eP	P	10 44 43.0 +0.8
GRFO	comp-Z,120nm,1.1s	82.08 330 eP	P	10 44 43.1 +0.8
GRFO	Grafenberg	82.08 330 eP	P	10 44 43.1 +0.8
EDMD	Edmundyds	82.12 340 eP	P	10 44 41.9 -0.5
EDMD	comp-Z,95nm,1.5s	82.12 340 eP	P	10 44 44.2
EDMD		82.12 340 eP	P	11 24 48.6
GRB1	Grafenberg Arr	82.14 330 P	P	10 44 44.0 +1.3
GRB1		82.14 330 P	P	10 44 44.0 +1.3
SDCO	Great Sand Dun	82.19 48 eP	P	10 44 44.0 +0.4
SDCO	comp-Z,128nm,1.1s	82.19 48 eP	P	10 44 44.0 +0.4
SDCO	Great Sand Dun	82.19 48 eP	P	10 44 43.2 -0.4
SDCO	comp-Z,52nm,1.5s	82.19 48 eP	P	10 44 43.2 -0.4
ARSA	Arzberg	82.21 326 i/P	P	10 44 43.5 +0.4
ARSA	comp-Z,35nm,1.2s,SNR=11	82.21 326 i/P	P	10 44 43.5 +0.4
MOA	Molin	82.25 327 i/P	P	10 44 44.0 +0.5
MOA	comp-Z,38nm,1.4s	82.25 327 i/P	P	10 44 44.0 +0.5
MMB	Musomiste	82.45 318 eP	P	10 44 44.8 +0.3
GRC1	Grafenberg Arr	82.51 330 P	P	10 44 45.1 +0.5
DIVS	Divibare	82.52 322 eP	P	10 44 44.8 0.0
DIVS	comp-Z,120nm,1.8s	82.52 322 eP	P	10 44 44.7 -0.1
BB01	Bothel	82.54 340 eP	P	10 44 45.3 +0.7
TUC	Tucson	82.58 55 eP	P	10 44 46.2 +0.8
TUC	comp-Z,39nm,1.4s	82.58 55 eP	P	10 44 46.2 +0.8

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GOPC	GO Pecny, Ondr	80.47 328 eP	P	10 44 34.6 +0.8
GOPC		80.47 328 eP	P	10 44 34.6 +0.8
BUD	Budapest	80.47 325 i/P	P	10 44 34.9 +1.1
BUD	Budapest	80.47 325 i/P	P	10 44 35.9 +2.1
PRA	Prague	80.49 329 AMS	AMS	11 22 40.0
RRR	Ruhonice	80.51 344 eP	P	10 44 34.4 +0.6
PRU	Pruhonice	80.51 329 eP	P	10 44 34.8 +0.8
PRU	comp-Z,2um,17.9s	80.51 329 eP	P	11 21 50.0
PRU	Pruhonice	80.51 329 eP	P	10 44 34.8 +0.8
KAC	Achnashellach	80.57 343 i/P	P	10 44 34.9 +0.7
MODS	Modra-Piesok	80.58 326 eP	P	10 44 34.4 0.0
MODS		80.58 326 eP	P	10 44 34.4 0.0
MODS	comp-Z,82nm,1.1s	80.58 326 eP	P	10 44 34.4 0.0
BZS	Buzias	80.62 322 i/P	P	10 44 34.8 +0.1
TREC	Trest	80.65 328 AMS	AMS	11 23 00.0
ISCO	Ischo Springs	80.74 46 eP	P	10 44 36.5 +0.7
ISCO	comp-Z,147nm,1.9s	80.74 46 eP	P	10 44 36.5 +0.7
ISCO	Ischo Springs	80.74 46 eP	P	10 44 36.5 +0.7
ISCO	comp-Z,147nm,1.9s	80.74 46 eP	P	10 44 36.5 +0.7
ISCO	Ischo Springs	80.74 46 eP	P	10 44 36.0 +0.2
HERR	Herculan	80.76 321 i/P	P	10 44 35.6 +0.2
MVCO	Mesa Verde	80.79 50 eP	P	10 44 36.9 +0.9
MVCO	comp-Z,103nm,1.5s	80.79 50 eP	P	10 44 36.3 +0.3
MVCO	Mesa Verde	80.79 50 eP	P	10 44 36.3 +0.3
KPL	Plocton	80.80 343 i/P	P	10 44 36.0 +0.7
KPL		80.80 343 i/P	P	10 44 37.0
X16A	Lo Mia Camp, P	80.80 53 eP	P	10 44 36.5 +0.4
SUXD	Miller	81.04 39 P	P	10 44 36.9 0.0
SUXD	comp-Z,316	81.04 39 P	P	10 44 37.9 +0.4
MOX	Moxa	81.16 330 P	P	10 44 37.9 +0.4
NKC	Novy Kostel	81.16 330 eP	P	10 44 38.6 +1.1
NKC	comp-Z,2um,18.1s	81.16 330 eP	P	11 23 10.0
NKC	Novy Kostel	81.16 330 eP	P	10 44 38.6 +1.1
NKC	comp-Z,2um,18.1s	81.16 330 eP	P	10 44 38.6 +1.1
MDVR	Moldovicia	81.18 321 i/P	P	10 44 37.9 +0.2
INVG	Invergelide, C	81.23 342 eP	P	10 44 37.2 -0.5
ISP	Isparita	81.28 312 i/P	P	10 44 38.9 +0.5
ESY	Stoneyphat	81.33 341 i/P	P	10 44 39.1 +0.9
W18A	Petrified Fore	81.41 52 P	P	10 44 39.4 +0.1
S22A	4UR Ranch, Cre	81.42 48 eP	P	10 44 40.5 +1.1
S22A	comp-Z,83nm,1.5s	81.42 48 eP	P	10 44 40.1 +0.6
SOP	Sopron	81.42 326 i/P	P	10 44 39.8 +0.9
SOP	Sopron	81.42 326 i/P	P	10 44 39.9 +1.0
SOP	Sopron	81.42 326 i/P	P	10 44 39.8 +0.9
CSS	Mathias	81.48 308 eP	P	10 44 38.5 -1.0
214A	Organ Pipe Nat	81.50 56 P	P	10 44 39.8 +0.1
KHAL	Karahalli	81.51 313 i/S	P	10 44 40.4 +0.7
EAB	Aberfoyle	81.52 342 i/P	P	10 44 39.7 +0.5
CONA	Conrad	81.54 327 i/P	P	10 44 40.7 +1.1
PGB	Panagyurishte	81.54 319 eP	P	10 44 40.5 +0.8
Q24A	Divide	81.57 46 eP	P	10 44 40.8 +0.5
Q24A	Divide	81.57 46 eP	P	10 44 40.8 +0.5
Q24A	Divide	81.57 46 eP	P	10 44 40.8 +0.5
Q24A	Divide	81.57 46 eP	P	10 44 40.8 +0.5
KHC	Kasperske Hory	81.57 329 eP	P	10 44 40.1 +0.5
KHC	comp-Z,37nm,1.1s	81.57 329 eP	P	10 44 40.2 +0.5
KHC	Kasperske Hory	81.57 329 eP	P	10 44 40.2 +0.5

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Table with columns: ID, Name, Address, City, State, Zip, Lat, Lon, Alt, Elev, Slope, Aspect, Wind, Temp, Humidity, Precip, Snow, Ice, Fog, Clouds, Visibility, etc.

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Table with columns: ID, Name, Address, City, State, Zip, Lat, Lon, Alt, Elev, Slope, Aspect, Wind, Temp, Humidity, Precip, Snow, Ice, Fog, Clouds, Visibility, etc.

25d 10h

Table with columns: ID, Name, Address, City, State, Zip, Lat, Lon, Alt, Elev, Slope, Aspect, Wind, Temp, Humidity, Precip, Snow, Ice, Fog, Clouds, Visibility, etc.

Table with columns: Call, Comp, Az, El, P, Max, Min, Az, El, P, Max, Min. Includes stations like ESDC, ES19, Q51A, BRG, BRG, P48A, BNI, BNI, Q48A, TUE, GERES, VSU, VSU, S49A, T50A, T49A, PUL, PUL, O41A, S47A, VRAC, U50A, T48A, DGMT, DGMT, W53A, U49A, INK, INK, T47A, CPCT, U48A, U50A, T46A, X53A, V49A, X52A, W50A, S43A, V48A, V48A, WVT, WVT, WVT, WVT, CCM, CCM, CCM, V47A, W49A, Z54A, GOGA, V46A, X50B, W48A, W47A, S41A, X49A, LAO, LAO, EPYK, X48A, X48A, S39A, X47A, V48A, EGMT, U41A, Y47A, Z49A, 150A, U40A, Z48A, LRAL, LRAL, T38A, Y46A, V40A, V40A, W41B, WALA, V39A.

Table with columns: Call, Comp, Az, El, P, Max, Min, Az, El, P, Max, Min. Includes stations like 249A, TOLK, DAWY, AK11, KIEV, KIEV, AKASG, AKASG, AKKB, AKKB, RLMT, RLMT, EGAK, W39A, X40A, BUR0, OBN, OBN, BOZ, BOZ, BOZ, BOZ, YMR, H17A, YHB, QLMT, YPP, HYT, DLMT, SCRK, KEST, KEST, IMW, DOT, POKR, IL1, ILAR, ILAR, ILAR, ILB, BW06, BW06, PD31, PDAR, PDAR, MCMT, COLA, COLA, TCOL, MDM, HDA, HDA, MRL, MRL, MRL, CCB, C09A, WRH, B08A, MLY, WMOK, WMOK, WMOK, IM3, MCK, MCK, F10A, O20A, RND, RND, RND, FNA, FNA, HLID, HLID, T25A, T25A, SDCO, TRF, KLU, BMO, BMO, BMO.

Table with columns: Call, Comp, Az, El, P, Max, Min, Az, El, P, Max, Min. Includes stations like VSR, S22A, SML, SML, WHTX, PPLA, PMR, PMR, BGU, MPU, ABTX, ABTX, PV13, NLU, NRIK, NRIK, J08A, ANMO, ANMO, PINE, J05D, PSUT, LENN, BMN, BMN, K05A, TIXI, TIXI, MOD, KNB, KNB, ARU, ARU, ANN, ANN, R11A, 833A, MNTX, MNTX, M04C, KVN, KVN, PAHR, BEKR, NV11, RYN, SHPR, IDI, IDI, NV01, NVAR, YERR, PNTR, TPNV, LTX, LTX, TX31, TXAR, TXAR, O03E, WAKR, GRAC, BR101, BR101, BRTR, TAM, TAM, DAC, DAC, CWC, KIV, KIV, KBZ, NEY, ISA, ISA, ISA, ABKAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s, ISC. Includes stations like BRVK Borovoye, SEY Seymchan, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s, ISC. Includes stations like JMA 25, ILAR Eielson Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s, ISC. Includes stations like KIL Karymskiy, MA20 Matsu Arr-Uzjo, MA20 Matsuuro, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Warramunga Arr, Borovoye Array, BRVK Borovoye, MBWA Marley Bar, AS31 Alice Springs, ASAR Alice Springs, AS01 Alice Springs, AS01 Albulak array, AKTO Aktyubinsk, GEYT Aitbeck, STKA Stephens Creek, KBZ Khabaz, AKASG Malin Array B, BR101 Keskin Array S, BRTR Keskin Array B, BRTR Keskin Array B, YKA Yellowknife Arr, NOA NORSTAR Array B, NEW Newport, GERES GERES Array B, PINE Pine Mountain, J08A Circle Bar, DLMT Dillon, HLID Halley, NV01 Mina Array Sit, NVAR Mina Array Sit, PD31 Pinedale Array, PD31 Pinedale Array, ULM Lac du Bonnet, P18A Preston Nutter, KNB Kanab, PTGA Pitking.

ISCJB 25 12:57:35.1±0.3, 63.82N±0.01, 148.38W±0.04, h11km±2km, mb3.7/6, Error ellipse: s-maj=3.0km s-min=2.3km az=28.3 NEIC 25 12:57:36.0±0.0, 63.79N±0.03, 79W±1.48, h1km, MW3.6, ML3.5(AEIC), Moment Tensor Solution. s35 Moment tensor: Scale 10^10Nm; Mr=1.29; Mw=2.36; Mo=0.17; Mw0.76; Mw=0.17; Mw=1.30; Best double couple: M2: 7000±101, N1: 62.00000°, P2: 62.00000°, 1.28.00000°, 1.63.00000°. NP2±287.00000°, 839.00000°, 1.28.00000°. Principal axes: T 2.9000, P164.0000, Azm286.0000; N -0.3500, P123.0000, Azm76.0000; P -2.5400, P111.0000, Azm171.0000; After AEIC.

IDC 25 12:57:39.9±1.4, 64.03N±1.48, 33W±1.35, h35km±12km, mb3.4/6, mb1 3.6/9, mb1mx3.4/57, mbtmp3.6/9, ML2.3/3 Error ellipse: s-maj=19.1km s-min=11.3km az=111.0 ISC 25 12:57:35.1±0.1, 63.78N±0.02, 148.30W±0.02, h12km±7km, n84, ±1937/110, mb3.9/6, Central Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MCK McKinley, RND Reindeer, BND Browne, WRH Wood River Hill, DHY Denali Highway, DHY Harding Lake, HDA Nenana, NEA Clear Creek Bu, COB Clear Creek Bu, TRF Thorofare Moun, TRF TAPS Pump Str8, COLA College, ILI Eielson Array, ILI Eielson Array, ILAR Eielson Array, MDM Murphy Dome, MDO MDO, PS10 TAPS Pump St10, BPAW Bear Paw Mtn, BPAW PAX Paxson, RIDG Independ'e Rid, RIDG MLY Manley, TRAP Trapper Creek, CAST Castle Rocks, CAST DOT Dot Lake, SCRK Sand Creek, SCRK PPLA Purkeypile, PPLA PPLA, SML Sawmill, SML HARP HAARP, HARP SCM Sheep Creek Mo, SCM Glory Hole, PRP Porcupine Dome, PS11 TAPS Pump St11, PS06 TAPS Pump St6, PMR Palmer, SKT Skwentna, SKT Knik Glacier, KLU Klutina, SUA Susitna One, RC01 Rabbit Creek A, JPK Jack Peak, JPK Divide, PWL Port Wells, GLJ Glacier Island, BC3A Beaver Creek A, SPCG Spurr Capps Gl, FYU Fort Yukon, FYU Port Fido, PS05 TAPS Pump St5, IM3 Indian Mounai, EGAG Eagle, BRMR Bremner River, MCARA McArthur V/SAT, EYAK Cordova Ski Ar, HIN Hinchinbrook I.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like COLD Coldfoot, TT01 Talatina, DFR Drift River, RWGM Ragged Mountai, RWDB Redoubt West, DAWY Dawy, BM3 Burnt Mountain, BRLK Bradley Lake, SVW2 Sparrevohn, HOM Homer, MIND Mildteton Isla, MIND Mildteton Isla, TOLK Tolok Lake Re, PCA Pinnacle, PHT Haines Junctio, KDKA Kodiak Island, KDKA Kodiak Island, OHAK Old Harbor, ANM Nome, INK Inuvik, INK Inuvik, INK Inuvik, YKA Yellowknife Arr, YKB Yellowknife Arr, PDAR Pinedale Array, TXAR Lajitas Array, KURK Kurchatov, KURBB Kurchatov Arr, MK32 Makanchi Array, MKAR Makanchi Array, AKASG Malin Array B, BR101 Keskin Array S, BRTR Keskin Array B, ISK 25 13:01:07.9, 81.82N±0.43, 43E, h24km, ML1.7/2, ISCJB 25 13:01:09.8±0.8, 38.88N±0.03, 43.43E±0.09, h11km±11km, Error ellipse: s-maj=11.5km s-min=5.1km az=14.2, DDA 25 13:01:08.7±1.2, 38.89N±0.43, 43E, h7km, ML2.5, ISC 25 13:01:08.7±1.2, 38.89N±0.03, 43.47E±0.05, h14km±10km, n7, ±1520/14, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like VMUR Van-Muradiye, VMUR Van, VANB Van, VANB Van, TVAN Van, TVAN Van, CLDR Caldiran, CLDR Caldiran, CLDR Caldiran, TUTA Tutak, TUTA Tutak, AGRB Hanur-Agry, AGRB Hanur-Agry, UPP 25 13:02:35.9±0.1, 55.69N±13.37E, h0km, ML2.7, ISC 25 13:02:36.2±1.6, 55.71N±0.04, 13.45E±0.08, h0km±19km, n8, ±637/10, Sweden

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like LUNU Lund, LUNU Lund, BJUU Bjur, DEL Delary, BSD Bernholm Skovb, BLEU Blekinge, VXXV Vaxsjoe, ONAU Onsala, BORU Booras, IDC 25 13:05:47.8±2.0, 5.55S±152.01E, h0km, mb4.0/4, mb1 4.3/4, mb1mx3.7/41, mbtmp4.1/4, MS3.5/1, Ms1 3.5/1, ms1mx2.7/31, Error ellipse: s-maj=10.8km s-min=2.6km az=130.0, New British region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, FITZ Fitzroy Crossi, RAR Rarotonga, ILAR Eielson Array, ISK 25 13:08:23.7, 38.89N±43.51E, h2km, ML1.6/3, ISCJB 25 13:08:25.0±0.9, 38.91N±0.04, 43.52E±0.07, h18km±10km, Error ellipse: s-maj=9.7km s-min=5.8km az=11.0, DDA 25 13:08:26.2, 38.89N±43.52E, h7km, ML2.5, ISC 25 13:08:26.6±1.1, 38.92N±0.03, 43.53E±0.05, h15km±7km, n7, ±646/14, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like VMUR Van-Muradiye, VANB Van, VANB Van, CLDR Caldiran, CLDR Caldiran, TVAN Van, TVAN Van, TUTA Tutak, TUTA Tutak, AGRB Hanur-Agry, AGRB Hanur-Agry, IDC 25 13:13:26.8±1.0, 3.77S±134.87E, h0km, mb3.9/5, mb1 4.1/10, mb1mx3.8/46, mbtmp4.0/10, ML4.1/5, Error ellipse: s-maj=30.4km s-min=20.1km az=60.0, ISCJB 25 13:13:28.3±0.5, 3.83S±134.77E±0.04, h2km, mb3.8/5, Error ellipse: s-maj=7.0km s-min=5.0km az=28.5, DDA 25 13:13:32.1±0.3, 4.52S±133.5E, h25km, ML4.7/12, mb5.5/2, mb4.9/12, MLV4.6/12, MW(mB)5.0/2, ISC 25 13:13:29.4±0.7, 3.78S±134.90E±0.04, h23km, n26, New British region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KMPI Kaimana, Papua, SRPI Serui, Papua, RKPI Ransiki, Papua, FAKI Faki, FAJI Sorong, SUI SUI, SUI Sorong, BNDI Bandanaira, VAY comp=N, 15nm, 0.4s, GRG Griva, BRY Bratogost, BRY Bratogost, TRB Bratogost, TRB Trebinje, TRB Trebinje, UPM Unac-Piva, UPM Unac-Piva, UPM Unac-Piva, IVAS Ivanjica, GRUS Griza, BBLs Laz#263i, BBLs Laz#263i, ZAPS Zavoj, VTS Vitosh, STON Ston, STON Ston, DIVS Divibare, HAPS Han Pijesak, Bl, NVLJ Novljia, IDC 25 13:19:38.1±0.9, 26.99N±67.26E, h0km, mb3.8/13, mb1 3.9/14, mb1mx3.7/55, mbtmp3.8/14, ML3.5/1, Error

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GENI Genyem, SAUI Saumlaki, JAY Jayapura, JAY Jayapura, JAY Jayapura, AAI bamb, MMPI Merauke, LBMI Labuha, SANI Sanana, KMSI Cibinong, WRSI Sangihe, WSGI Warramunga Arr, WRA 0.2nm, 0.3s, baz=211, slow=12, SNR=7.4, FITZ Fitzroy Crossi, FITZ Alice Springs, CTA Charters Tower, ASAR Alice Springs, ASAR Alice Springs, CMAR Chiang Mai Arr, SONM Songoing Array, MKAR Makanchi Array, KURBB Kurchatov Arr, ILAR Eielson Array, SIK 25 13:14:18.4±31.0, 42.1N±1.2°1E±1, h37km±92km, ML2.4, Error ellipse: s-maj=62.17km s-min=182.7km az=115.0, TIR 25 13:14:22.0, 41.83N±20.47E, h12km, Mdz 5/4, THE 25 13:14:23.9, 41.79N±20.42E, h0km±4km, ML2.3/2, Error ellipse: s-maj=5.4km s-min=1.7km az=356.0, PDG 25 13:14:23.0±0.2, 41.77N±20.37E, h11km, ML2.5/9, Error ellipse: s-maj=0.4km s-min=0.5km az=0.0, SKO 25 13:14:24.2, 41.70N±20.45E, h12km, M1.8, ML2.1, IBC 25 13:14:24.6, 0.3, 41.79N±20.38E, h0km, 3km, ML2.0/7, ISC 25 13:14:23.6±0.8, 41.75N±0.02, 20.37E±0.02, h8km±6km, n57, ±1566/98, 9C-8D, Albania

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PPH Peshkopia, PPH Peshkopia, PPH Peshkopia, PUK Puka, PUK Puka, PRZK Prizren, PRZK Prizren, PRZK Prizren, TIR Tirane, TIR Tirane, TIR Tirane, TIR Tirane, BCI Bajram Curri, BCI Bajram Curri, ZATK Zatriq, ZATK Zatriq, KRUS Krusevo, KRUS Krusevo, SKO Skopje, SKO Skopje, SKO Skopje, ULC Ulcinj, ULC Ulcinj, ULC Ulcinj, PEUK Peje, PEUK Peje, PVY Plav, PVY Plav, DRME Dracevica, Mon, DRME Dracevica, Mon, BIA Bitola, BIA Bitola, PDG Podgorica, PDG Podgorica, PDG Podgorica, TTT Podgorica, TTT Podgorica, BEY Berane, BEY Berane, IVA Berane, IVA Berane, SMRK Smrekonice, SMRK Smrekonice, SMRK Smrekonice, FNA Florina, FNA Florina, BUM Brajci-Budva, BUM Brajci-Budva, KOME Kolasin, KOME Kolasin, CEME Cevo, CEME Cevo, STIP Stip, STIP Stip, NEST Nestorio, NEST Nestorio, NKME Niksic, NKME Niksic, NKY Niksic, NKY Niksic, BARS Barje, BARS Barje, SJSJ Sjenica, SJSJ Sjenica, HCY Herceg Novi, HCY Herceg Novi, SELS Selova, SELS Selova, VAY Valandovo, VAY Valandovo, VAY comp=N, 15nm, 0.4s, GRG Griva, BRY Bratogost, BRY Bratogost, TRB Bratogost, TRB Trebinje, TRB Trebinje, UPM Unac-Piva, UPM Unac-Piva, UPM Unac-Piva, IVAS Ivanjica, GRUS Griza, BBLs Laz#263i, BBLs Laz#263i, ZAPS Zavoj, VTS Vitosh, STON Ston, STON Ston, DIVS Divibare, HAPS Han Pijesak, Bl, NVLJ Novljia, IDC 25 13:19:38.1±0.9, 26.99N±67.26E, h0km, mb3.8/13, mb1 3.9/14, mb1mx3.7/55, mbtmp3.8/14, ML3.5/1, Error

25d 14h

ellipse: s-maj=21.8km s-min=19.5km az=157.0
ISCJB 25 13:19:41.2, 0.7, 27.0N, 0.1, h33km, mb3.7/13,
Error ellipse: s-maj=18.6km s-min=12.7km az=144.2

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, ISC. Lists stations like WSAR, AAK, MKAR, AKTO, etc.

DJA 25 13:20:56.2, 0.7, 8.2S, 118E, h19km, Mb3.9/19,
ML3.9/19, Flores Sea

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, ISC. Lists stations like PLAI, TWSI, WBSI, etc.

NIED 25 13:23:00.32, 0.0N, 142.00E, h5km, Mw3.8 Best double
couple: M6.06000-1.014 NPls: 167.00000,
K1.73, 0.00000, NPl2: 1.01000, 848.00000, 1.106.00000

IDC 25 13:23:12.9, 0.7, 32.58N, 141.67E, h0km, mb4.0/16,
mb1.4/18, mb1mx4.0/7, mbtmpp3.9/18, ML3.9/1, MS3.2/3,
Ms1.3/3, ms1mx2.7/27, Error ellipse: s-maj=19.4km
s-min=15.0km az=28.0

JMA 25 13:23:13.7, 0.2, 32.76N, 141.96E, h93km, M3.6
NEIC 25 13:23:14.4, 0.4, 32.58N, 141.67E, h10km, mb4.0/1, Error
ellipse: s-maj=9.8km s-min=7.2km az=52.0

ISCJB 25 13:23:16.1, 0.6, 32.79N, 141.84E, 0.06, h41km,
mb3.9/17, MS3.1/1, Error ellipse: s-maj=8.4km
s-min=3.3km az=145.3

ISC 25 13:23:19.0, 0.7, 32.80N, 141.73E, 0.07, h41km, n44,
+137/48, mb4.0/17, Southeast of Honshu

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, ISC. Lists stations like JHJ2, JAOM, BSO1, etc.

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Table with columns: AKTO, GEYT, NVAR, PDAR, BRTR, TXAR, LPAZ. Lists stations and their coordinates.

KRSC 25 13:28:37.2, 1.4, 50.09N, 159.03E, h81km, 32km, ML3.6,
East of Kuril Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, ISC. Lists stations like KDTR, SKR, SKR, etc.

MEX 25 13:47:26.9, 1.3, 19.24N, 103.89W, h41km, 1.1km, MD3.7,
Jalisco

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, ISC. Lists stations like R15V, R15V, etc.

IDC 25 14:12:54.1, 0.8, 17.24S, 172.29W, h0km, mb3.9/6,
mb1.4/27, mb1mx3.9/29, mbtmpp3.9/7, ML3.3/1, MS3.0/3,
Ms1.3/0/3, ms1mx2.7/28, Error ellipse: s-maj=32.8km
s-min=19.7km az=124.0

ISC 25 14:12:56.4, 0.8, 17.15S, 172.24W, 0.2, h17km, n15,
+19/142, mb3.8/6, MS3.1/3, Tonga Islands region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, ISC. Lists stations like AFI, RAR, RAR, etc.

SJA 25 14:26:12.7, 0.5, 25.50S, 71.42W, h10km, ML4.5, MW4.1
IDC 25 14:26:17.4, 0.6, 25.97S, 70.40W, h0km, mb4.3/11,
mb1.4/4/14, mb1mx4.2/27, mbtmpp4.2/14, ML3.9/2, MS3.8/13,
Ms1.3/8/13, ms1mx3.6/25, Error ellipse: s-maj=22.2km
s-min=15.3km az=93.0

ISCJB 25 14:26:20.3, 0.5, 25.84S, 71.02W, 0.02, 71.04W, 0.07, h35km,
mb4.2/11, MS3.8/9, Error ellipse: s-maj=9.4km
s-min=3.4km az=4.2

GUC 25 14:26:21.7, 0.6, 25.93S, 70.09W, h24km, 53km, ML4.7
NEIC 25 14:26:21.0, 0.0, 25.93S, 70.09W, h24km, ML4.7(GUC),
After GUC.

NEIC Felt [V] at Copiapo and Tierra Amarilla; [III] at Caldera,
Chanaral, Diego de Almagro and Talita.

ISC 25 14:26:21.8, 0.5, 25.95S, 70.03W, 0.17, h35km, n75,
+24/76, mb4.6/11, MS3.9/9, Off coast of northern Chile

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, ISC. Lists stations like PB14, G003, PB10, etc.

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Table with columns: FSA, FSA, PB01, ACCO, AHML, AHML, CYA, CYA, CYA, HJA, HJA, RTLL, RTLL, RTLL. Lists stations and their coordinates.

BRSC 25 14:27:19.6, 1.1, 36.34N, 27.70E, h78km, 1km, ML2.3/10
THE 25 14:27:19.3, 36.43N, 27.73E, h80km, 1km, ML2.8/2, Error
ellipse: s-maj=4.1km s-min=1.2km az=127.0

ATH 25 14:27:20.6, 36.40N, 27.52E, h40km, 2km, ML2.5/3, Error
ellipse: s-maj=7.7km s-min=1.4km az=123.0
DDA 25 14:27:26.4, 36.88N, 28.04E, h7km, ML2.7, Suspected
Mining explosion.

ISC 25 14:27:19.6, 1.1, 36.34N, 27.73E, h80km, 1km, ML2.8/2, Error
ellipse: s-maj=4.1km s-min=1.2km az=127.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, ISC. Lists stations like DAT, ARG, ARG, ARG, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NIS1 Nisyros Isl., BODT Bodrum, YERKESK Yerkesik, etc.

ISCJB 25 15:19:16.5:0.8, 13'6N:0'2:88'9W:0.2, h10km, mb3.7/3, MS3.3/1, Error ellipse: s-maj=34.1km s-min=8.4km az=41.7

IDC 25 15:19:19.8:1.4, 13'94N:88'56W, h0km, mb3.6/4, mb1 4.0/5, mb1mx3.7/33, mbtmp3.7/5, ML3.2/1, MS3.4/1, Ms1 3.4/1, ms1mx2.6/30, Error ellipse: s-maj=47.4km s-min=22.6km az=40.0

ISC 25 15:19:19.6:0.8, 13'82N:0'2:88'8W:0.2, h10km, n11, r182/12, mb4.0/3, El Salvador

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like APG El Apazote, JTS Juntas Abangare, CMIG Matias Romero, etc.

IDC 25 15:36:32.1:1.4, 12'17N:88'95W, h0km, mb3.6/4, mb1 4.0/7, mb1mx3.8/26, mbtmp3.7/7, ML3.6/3, MS3.4/5, Ms1 3.4/5, ms1mx2.9/27, Error ellipse: s-maj=50.3km s-min=22.7km az=47.0

UCR 25 15:36:33.4:1.6, 11'98N:89'05W, h70km, 85km, ML3.7, ISC 25 15:36:32.1:2.9, 12'04N:0'07:88'99W:0.06, h9km, n17km, n34, r102/42, Off coast of Central America

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TECA Tecapa, VSM San Miguel, LFRS El Faro, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TXAR Lajitas Arr, TKL Tuckaleechee C, PDAR Pinedale Array, etc.

IDC 25 15:46:18.5:82.1, 20'29S:103'09E, h0km, Error ellipse: s-maj=375.5km s-min=215.6km az=67.0, Sichuan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like I34MN SONGINO INFRAS, I45RU USSURIYSK INFR, etc.

IDC 25 15:49:46.1:2.3, 20'19S:178'38W, h504km, 30km, mb3.2/5, mb1 3.5/7, mb1mx3.1/33, mbtmp4.2/7, Error ellipse: s-maj=38.5km s-min=16.6km az=144.0, Fiji

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AFI Afiamalu, URZ Urewera, STKA Stephens Creek, etc.

ISCJB 25 15:59:38.5:0.6, 16'3S:0'2:174'8W:0.1, h10km, mb4.1/8, MS3.3/2, Error ellipse: s-maj=28.0km s-min=12.3km az=141.7

IDC 25 15:59:38.7:1.0, 16'29S:174'78W, h0km, mb3.8/5, mb1 4.1/5, mb1mx3.8/26, mbtmp3.8/5, MS3.2/4, Ms1 3.2/4, ms1mx3.0/22, Error ellipse: s-maj=47.9km s-min=27.1km az=134.0

NEIC 25 15:59:40.2:0.7, 16'20S:174'80W, h10km, mb4.4/2, Error ellipse: s-maj=21.4km s-min=9.6km az=141.0

ISC 25 15:59:40.2:0.7, 16'25S:0'2:174'8W:0.2, h10km, n34, r036/20, mb4.0/3, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AFI Afiamalu, RAR Marotonga, DZM Wood Dumac, etc.

H11N1 WAKE ISLAND HY 40.0 333 T P 16 50 19.4

H11N1 WAKE ISLAND HY 40.0 333 T P 16 50 19.7

H11N2 WAKE ISLAND HY 40.0 333 T P 16 50 22.6

WR1 Warramunga Arr 48.37 258 P P 16 09 43.3

AS31 Alice Springs 48.60 253 P P 16 08 24.3

ASAR Alice Springs 48.60 253 P P 16 09 50.3

VNDA Vanda 62.42 186 P P 16 10 02.6

ILAR Eielson Array 83.51 12 P P 16 12 08.4

PD31 Pinedale Array 83.76 42 P P 16 12 09.8

ULM Lac du Bonnet 95.41 39 P P 16 16 48.55

BR11 Keskin Array S 145.94 319 ePKPdf PKPab 16 19 21.3

GERES GRE Array S 146.74 350 PKPb 16 19 20.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like YJA Yavi, HJA Humahuaca.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HJA IPOC Station P, PB09 IPOC Station P, etc.

SJA 25 16:07:07.6:0.6, 24'17S:66'77W, h237km, 4km, ML2.8, MW3.0

ISCJB 25 16:07:09.0:0.6, 24'11S:0'05:66'87W:0.05, h220km, 9km, mb3.0/1, Error ellipse: s-maj=3.7km s-min=6.2km az=42.3

GUC 25 16:07:12.5:0.3, 23'81S:67'41W, h249km, 11km, ML3.9, IDC 25 16:07:15.9:10.0, 23'57S:66'40W, h228km, 74km, mb2.8/1, mb1 3.1/3, mb1mx2.9/21, mbtmp3.7/3, Error ellipse: s-maj=115.6km s-min=36.1km az=25.0

ISC 25 16:07:10.0:1.0, 24'04S:0'07:66'83W:0.05, h213km, 9km, n37, r145/53, BC-4D, Salta Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HJA Humahuaca, AZAP Zapla, YJA Yavi, etc.

PB09 IPOC Station P 3.15 315 eP Pn 16 08 03.2

PB03 IPOC Station P 3.35 306 eP Pn 16 08 07.8

PB03 IPOC Station P 3.35 306 eP Pn 16 08 45.1

PB10 IPOC Station P 3.45 278 eP Pn 16 08 05.8

PB10 IPOC Station P 3.45 278 eP Pn 16 08 06.1

PB04 IPOC Station P 3.50 298 eP Pn 16 08 06.8

PB07 IPOC Station P 3.64 309 eP Pn 16 08 07.5

PB07 IPOC Station P 3.64 309 eP Pn 16 08 08.6

PB01 IPOC Station P 3.87 320 eP Pn 16 08 08.2

PB01 IPOC Station P 3.87 320 eP Pn 16 08 08.5

PB01 IPOC Station P 3.92 313 eP Pn 16 08 11.7

PB02 IPOC Station P 3.92 313 eP Pn 16 08 11.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LPZA La Paz, BDFB Brasilia, TORD Torodi Arr, etc.

NIED 25 16:19:00.43:50N, 146'00E, h77km, Mw3.5 Best double couple: M2:2300x1022, h19:308, 00000', 321, 00000', 126, 00000', NP2:193, 00001', 381, 00001', 1109, 00000'

ISCJB 25 16:19:57.0:0.8, 43'55N:0'05:145'96E:0.05, h18.9 km, 7km, Error ellipse: s-maj=8.9km s-min=5.0km az=148.6

JMA 25 16:19:57.0:4.2, 43'51N:145'96E, h72km, 1km, M3.5, JMA Felt J1, MOS 25 16:19:57.0:1.3, 43'49N:146'05E, h64km, mb4.5/1, Error ellipse: s-maj=54.9km s-min=26.7km az=90.5

SKHL 25 16:19:58.5:1.4, 43'55N:0'05:145'96E:0.04, h59km, 8km, ISC 25 16:19:58.5:1.4, 43'55N:0'05:145'96E:0.04, h59km, 8km,

25d 16h

Table with columns: Code, Station Name, h18, 0559/36, 8C-2D, Hokkaido region, Phase ID, Time, Res. Includes stations like Nemuro 2, Tuman, Yuzh-Kuril'sk, Shikotan, Rausu, Nakash, Akkeshi, Abashiri-Toko, Ashorobuto, Onbets, Maruseppu, Kuril'sk, etc.

ATH 25 16:53:09.8, 37'60N-21.97E, h12km, 5km, ML0.7/2, Error ellipse: s-maj=0.8km s-min=0.8km az=277.0, Southern Greece

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time, Res. Includes stations like Artemida-Makis, Ithomi, Goura, Kalavryta, Ach, Lakka, etc.

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Main table with columns: PYL, PYLOS, 0.72 195, P, Pg, 16 53 24.0 +0.2, etc. Includes stations like Tsuno, Hyugahichiya, Takazaki, Kuchima-Naru, Usuki, Tosashimizu, Natsukesu, Kunigami, etc.

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Table with columns: KLR, Kul'dur, 17.27 360, i/P, P, 16 58 16.3 +1.2, etc. Includes stations like Uglegorsk, Gornyy, Enshi, Xi'an, Zeya, Lanzhou, Qiongzong, Chengdu, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like CM01 Chiang Mai Arr, SRM1 Srakaw, NAYO Nakonayok, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like CTAO Charters Tower, ARU Arti, IM3 Indian Mountain, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like CLL Collm, CLL Collm, CLL Collm, etc.

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like SNSI Sinabang, PKDT Phuket, P18A Preston Nutter, etc.

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like PDAR Pinedale Array, PDAR Pinedale Array, PDAR Pinedale Array, etc.

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like RSSD Black Hills, RSSD Black Hills, RSSD Black Hills, etc.

Table with columns: Call Sign, Name, Frequency, Mode, and other details. Includes stations like AKAS, RDO, BEHE, etc.

Table with columns: Call Sign, Name, Frequency, Mode, and other details. Includes stations like ALM, AQL, AQS, etc.

Table with columns: Call Sign, Name, Frequency, Mode, and other details. Includes stations like PALU, MTN, MTM, etc.

MAN 25 18:49:11.6, 13:21N:120:30E, h50km, mb4.7, ML3.6, MS3.5, 1D, Mindoro

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and other details. Includes stations like TGY, BUSP, BOAC, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ENH, KLR, GUMO, SONM, CMAR, etc.

ISJCJB 25 19:16:39.5-0.6, 28.77N-0.04E, 128.48E-0.06, h10km, mb3.3/6, Error ellipse: s-maj=7.9km s-min=5.3km az=18.3

JMA 25 19:16:40.1-0.2, 28.74N-128.51E, h9km, 3km, M3.2

IDC 25 19:16:46.2-0.2, 28.67N-128.33E, h5km, 21km, mb3.1/6, mb1 3.4/7, mb1mx3.2/34, mbmtpp3.4/7, ML2.8/1, Error ellipse: s-maj=32.5km s-min=13.3km az=87.0

ISC 25 19:16:40.5-0.8, 28.72N-0.04E, 128.53E-0.06, h10km, n18, -0.54/2.0, mb3.3/6, Ryukyu Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JTAJ, JAMN, JAM, JTK, etc.

TAP 25 19:22:56.9, 23.51N-120.76E, h5km, ML2.1, C, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CHN5, CHN4, CHN4, etc.

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

ISJCJB 25 19:16:39.5-0.6, 28.77N-0.04E, 128.48E-0.06, h10km, mb3.3/6, Error ellipse: s-maj=7.9km s-min=5.3km az=18.3

JMA 25 19:16:40.1-0.2, 28.74N-128.51E, h9km, 3km, M3.2

IDC 25 19:16:46.2-0.2, 28.67N-128.33E, h5km, 21km, mb3.1/6, mb1 3.4/7, mb1mx3.2/34, mbmtpp3.4/7, ML2.8/1, Error ellipse: s-maj=32.5km s-min=13.3km az=87.0

ISC 25 19:16:40.5-0.8, 28.72N-0.04E, 128.53E-0.06, h10km, n18, -0.54/2.0, mb3.3/6, Ryukyu Islands

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

TAP 25 19:23:05.2, 22.52N-120.41E, h28km, 1km, ML1.4, B, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KAU, WLCH, YHNB, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HEN, TWKBT, LCO, LCO, etc.

25d 20h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains earthquake data for stations like RAR, PDAR, NVAR, BOS, TOR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains earthquake data for stations like DZM, DZM, STKA, WRA, ASAR, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains earthquake data for stations like RVCV, RTRC, RRTL, RRTL, etc.

ISCJ25 19:29:32.0±0.2, 28.75N, 106.128E, h0km, mb3.2/3, Error ellipse: s-maj=10.7km s-min=5.7km az=37.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains earthquake data for stations like RSSD, LAO, RLMT, PDAR, etc.

ISCJ25 19:29:36.7±1.5, 28.41N, 128.70E, h0km, mb3.2/3, mb1 3.4/4, mb1mx2.2/4.3, mbtmp3.2/4, ML3.0/1, MS3.1/3, Ms1 3.1/3, ms1mx2.7/7.7, Error ellipse: s-maj=53.9km s-min=23.3km az=68.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains earthquake data for stations like JMA, JTAJ, JAMN, etc.

ISCJ25 19:42:13.8±1.0, 20.01S, 168.44E, h0km, mb3.7/3, mb1 3.8/4, mb1mx3.6/2.1, mbtmp3.7/4, ML3.5/1, MS3.1/1, Ms1 3.1/1, ms1mx2.6/2.8, Error ellipse: s-maj=252.5km s-min=63.0km az=88.0, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains earthquake data for stations like DZM, DZM, STKA, WRA, ASAR, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains earthquake data for stations like FAKI, RKPI, AAI, BANI, etc.

DJA 25:20:16.3±0.9, 8.0S, 152.3W, h19km, mb3.4/18, mb4.6/1, m-bj=3.8/1, Flores Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains earthquake data for stations like PLA1, PLA1, WBSI, etc.

ISCJ25 20:26:38.1±0.6, 17.59N, 68.86W, h0km, mb4.0/20, mb1 4.2/23, mb1mx4.1/5.0, mbtmp4.0/23, ML3.4/3, Error ellipse: s-maj=16.8km s-min=14.8km az=18.0

ISCJ25 20:26:41.2±0.4, 17.51N, 68.79W, h0km, mb4.0/17, Error ellipse: s-maj=5.6km s-min=4.5km az=163.9

NEIC 25:20:41.5±1.4, 17.58N, 68.81W, h20km, 10km, MD3-4(RSPR), Error ellipse: s-maj=5.9km s-min=5.2km az=201.0

RSPR 25:20:26.45, 0, 18.16N, 68.66W, h11km, 1km, MD3.4/5, ISC 25:20:26.43±1.0, 17.53N, 68.05E, h35km, n9, i=1948/49, mb2.17/3, 3C-6D, Mona Passage

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains earthquake data for stations like DR12, DR12, DR12, etc.

SJA 25 19:44:20.4±0.6, 31.83S, 67.80W, h10km, ML3.2, MW3.4, GUC 25 19:44:21.2±1.3, 31.80S, 68.41W, h276km, 45km, ML3.7

25d 20h

246A	Jackson Lee, B	39.73 343	P	P	20 57 04.8	-1.3
GOGA	Godfrey	39.77 350	eP	P	20 57 07.0	+0.6
GOGA	Godfrey	39.77 350	eP	P	20 57 07.0	+0.6
GOGA	Godfrey	39.77 350	P	P	20 57 05.1	-1.2
Z51A	Franklin	39.99 348	P	P	20 57 07.8	-0.4
Z50A	Ashland	40.08 347	eP	P	20 57 08.5	-0.6
Z50A	Ashland	40.08 347	P	P	20 57 08.4	-0.7
Y54A	Tignall	40.09 352	P	P	20 57 09.1	+0.1
147A	Livingston	40.10 344	P	P	20 57 08.2	-0.9
LRAL	Lakeview Retre	40.12 346	eP	P	20 57 08.3	-1.0
LRAL	Lakeview Retre	40.12 346	P	P	20 57 08.2	-1.0
Z49A	Columbiana	40.16 347	P	P	20 57 09.2	-0.5
342A	Flagon Creek P	40.20 338	P	P	20 57 09.7	-0.3
Y53A	Monroe	40.22 350	P	P	20 57 10.0	-0.1
244A	Avery, Jackson	40.24 341	P	P	20 57 10.4	+0.1
146A	Union	40.29 343	P	P	20 57 10.0	-0.7
Y52A	Lilburn	40.31 350	eP	P	20 57 13.0	+2.1
Y52A	Lilburn	40.31 350	P	P	20 57 11.5	+0.6
JSC	Jenkinsville	40.32 354	eP	P	20 57 11.4	+0.5
JSC	Jenkinsville	40.32 354	eP	P	20 57 11.4	+0.5
VBMS	Vicksburg	40.35 341	P	P	20 57 11.0	-0.1
243A	Waterproof	40.36 340	P	P	20 57 11.6	+0.3
HKT	Hockley	40.38 333	eP	P	20 57 13.4	+2.0
HKT	Hockley	40.38 333	eP	P	20 57 11.8	-0.5
341A	Kurthwood	40.48 337	P	P	20 57 11.1	-1.5
145A	Houston Renfro	40.52 342	P	P	20 57 11.2	-1.5
Y51A	Rockmart	40.53 349	P	P	20 57 11.9	-1.0
Z47A	Carrollton	40.55 345	P	P	20 57 12.8	-0.3
Z48A	Northport	40.58 345	P	P	20 57 13.2	-0.6
Y50A	Piedmont	40.66 348	P	P	20 57 14.4	-0.4
833A	Chaparral WMA,	40.77 328	P	P	20 57 14.1	-0.6
Y49A	Blount Mountai	40.77 347	P	P	20 57 13.8	-1.0
Z46A	Louisville	40.78 344	P	P	20 57 15.1	+0.1
X53A	Estanolee	40.81 351	P	P	20 57 16.5	+0.6
PAULI	Pauline	40.91 353	eP	P	20 57 16.8	+0.2
241A	Mo Tay, Goldon	41.00 338	P	P	20 57 16.2	-0.3
Y48A	Jasper	41.00 346	P	P	20 57 15.6	-1.0
X52A	Dahlonega	41.00 350	eP	P	20 57 18.0	+0.3
X51A	Calhoun	41.13 349	P	P	20 57 16.9	-0.8
Y47A	UCPA, C, Wintie	41.16 345	P	P	20 57 17.4	-0.5
Z45A	Winona	41.16 343	P	P	20 57 18.5	+0.5
KMSC	Kings Mountain	41.17 354	P	P	20 57 17.9	-0.1
KMSC	Kings Mountain	41.17 354	P	P	20 57 17.6	-0.6
X50B	Fort Payne	41.19 348	P	P	20 57 19.1	+0.6
BG3	Lake Jocassee	41.23 352	eP	P	20 57 21.0	+2.6
CHRN	Cochrane	41.24 176	eP	P	20 57 19.7	-0.3
Z44A	Pea Ridge, Bel	41.30 342	P	P	20 57 18.3	0.0
240A	Hunter Patters	41.33 337	P	P	20 57 19.0	-0.7
X49A	Woodville	41.38 347	P	P	20 57 18.7	-1.2
Y46A	Houston	41.41 344	P	P	20 57 20.0	-0.3
W53A	Cullowhee	41.44 351	P	P	20 57 20.2	-0.1
NATX	Nacogdoches	41.44 336	P	P	20 57 20.8	+0.2
W52A	Murphy	41.49 350	eP	P	20 57 19.6	-1.0
W52A	Murphy	41.49 350	P	P	20 57 19.9	-0.7
X48A	Hartselle	41.49 346	eP	P	20 57 19.9	-0.7
X48A	Hartselle	41.49 346	eP	P	20 57 19.9	-0.7
X48A	Hartselle	41.49 346	eP	P	20 57 19.9	-0.7
141A	Papa Simpson,	41.52 339	P	P	20 57 21.0	-0.3
Y45A	Yeager Farm, C	41.58 343	P	P	20 57 21.7	-0.6
W51A	Cleveland	41.70 349	P	P	20 57 21.9	-0.8
X47A	Russellville	41.74 346	P	P	20 57 23.1	-0.3
W50A	Signal Mountai	41.84 349	eP	P	20 57 22.7	-0.8
W50A	Signal Mountai	41.84 349	eP	P	20 57 23.9	+0.1
V53A	Saluda	41.88 352	eP	P	20 57 23.4	-0.4
V53A	Saluda	41.88 352	eP	P	20 57 23.9	+0.1
435B	Jarrell	41.88 332	P	P	20 57 24.1	-0.1
CPCT	Cooper Cave	41.94 350	eP	P	20 57 23.7	-0.7
W49A	Belvidere	41.95 348	P	P	20 57 23.8	-1.1
X46A	Booneville	41.97 345	P	P	20 57 24.2	-0.2
SWET	Sewanee	41.98 348	eP	P	20 57 24.3	-1.1
TKL	Tuckaleechee C	42.01 351	eP	P	20 57 31.2	-0.4
TKL	Tuckaleechee C	42.01 351	eP	P	20 57 24.6	-0.3
TKL	Tuckaleechee C	42.01 351	eP	P	20 57 31.2	-0.4
TKL	Tuckaleechee C	42.01 351	eP	P	20 57 24.7	-0.6
Z41A	Richard Creek	42.07 339	P	P	20 57 25.0	-0.3
W48A	Pulaski	42.12 347	P	P	20 57 25.0	-1.0
OXF	Oxford	42.15 344	P	P	20 57 25.9	-0.2
V52A	Sevierville	42.16 351	eP	P	20 57 25.2	-0.9
V52A	Sevierville	42.16 351	eP	P	20 57 25.2	-0.9
PLAL	Pickwick Lake	42.24 345	eP	P	20 57 26.6	-0.2
V51A	Loudon	42.25 350	eP	P	20 57 25.6	-0.2

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V51A	Loudon	42.25 350	P	P	20 57 25.6	-1.2
V50A	Pikeville	42.26 349	P	P	20 57 26.1	-0.7
Z40A	Low Farm, Mag	42.29 338	P	P	20 57 25.7	-1.4
W47A	Westpoint	42.38 346	P	P	20 57 26.2	-1.6
W46A	Michie	42.46 345	P	P	20 57 26.8	-1.7
V49A	McMinville	42.50 348	P	P	20 57 27.5	-1.4
U53A	Fall Branch	42.53 352	P	P	20 57 26.5	-2.6
U52A	Thorn Hill	42.67 351	P	P	20 57 28.8	-1.5
V48A	Smith Brothers	42.67 347	eP	P	20 57 29.3	-0.9
V48A	Smith Brothers	42.67 347	eP	P	20 57 29.1	-1.2
W45A	Hickory Valley	42.69 344	P	P	20 57 29.4	-1.0
JCT	Junction City	42.71 329	eP	P	20 57 31.1	+0.4
JCT	Junction City	42.71 329	eP	P	20 57 31.1	+0.4
JCT	Junction City	42.71 329	eP	P	20 57 29.8	-0.9
WHTX	Lake Whitney,	42.84 333	P	P	20 57 31.3	-0.3
TZTN	Tazewell	42.85 351	eP	P	20 57 31.9	+0.2
TZTN	Tazewell	42.85 351	eP	P	20 57 31.3	-0.4
V47A	Nunnely	42.91 346	P	P	20 57 31.6	-0.6
Y40A	Okolona	42.92 339	P	P	20 57 31.8	-0.5
U50A	Jamestown	42.93 350	P	P	20 57 30.6	-1.8
V46A	Holladay	43.03 346	P	P	20 57 30.6	-2.6
X41A	Kaden, Bauxite	43.09 340	P	P	20 57 33.0	-0.7
BLA	Blacksburg	43.14 355	eP	P	20 57 34.8	+0.7
BLA	Blacksburg	43.14 355	eP	P	20 57 34.8	+0.7
BLA	Blacksburg	43.14 355	eP	P	20 57 32.2	-1.8
X40A	Basin Creek Fa	43.19 340	P	P	20 57 32.8	-1.6
U49A	Red Boiling Sp	43.20 349	P	P	20 57 32.8	-1.7
WWT	Waverly	43.27 346	eP	P	20 57 35.3	+0.2
WWT	Waverly	43.27 346	eP	P	20 57 35.3	+0.2
WWT	Waverly	43.27 346	eP	P	20 57 33.4	-1.7
UALR	University of	43.29 341	eP	P	20 57 34.7	-0.5
TS2A	Hallie	43.32 352	P	P	20 57 34.7	-0.8
TS1A	Gray	43.32 351	P	P	20 57 34.4	-1.1
U48A	Cassie Pea, P	43.35 348	P	P	20 57 34.5	-1.3
U47A	Clarksville	43.45 347	P	P	20 57 35.0	-1.5
MIAR	Mount Ida	43.51 339	P	P	20 57 36.3	-0.7
MIAR	Mount Ida	43.51 339	P	P	20 57 35.8	-1.2
TS0A	Nancy	43.52 350	P	P	20 57 35.9	-1.1
W41B	Gary Mavity, V	43.62 341	eP	P	20 57 37.2	-0.7
W41B	Gary Mavity, V	43.62 341	eP	P	20 57 37.5	-0.4
X39A	Fountain Ranch	43.67 338	P	P	20 57 37.4	-1.0
T49A	Edenton	43.73 349	eP	P	20 57 37.9	-0.9
T49A	Edmonton	43.73 349	P	P	20 57 38.2	-0.6
R58B	Mineral	43.73 358	P	P	20 57 38.7	-0.1
WHAR	Woolly Hollow	43.74 341	eP	P	20 57 38.1	-0.8
SS2A	Salysville	43.89 352	P	P	20 57 39.9	-0.2
T48A	Bowling Green	43.90 348	P	P	20 57 38.1	-2.0
W40A	Ferguson Farm,	43.91 340	P	P	20 57 38.8	-1.5
TX31	Lajitas Ar. Si	43.92 325	eP	P	20 57 40.7	+0.1
TXAR	Lajitas Array	43.92 325	P	P	20 57 40.9	+0.3
TXAR	comp=Z,8.1nm,0.8s,baz=143,slow=9.2,SNR=34		P	P	20 57 47.0	-0.3
TXAR	comp=Z,2.9nm,0.8s,baz=144,slow=6.7,SNR=3.0		P	P	20 59 35.1	
TXAR	comp=Z,5.0nm,0.8s,baz=139,slow=5.9,SNR=5.5		P	P	21 03 14.2	-3.0
TXAR	comp=Z,0.3nm,0.6s,baz=142,slow=7.4,SNR=2.8		LR		21 15 39.5	
SS1A	Beattyville	43.93 352	eP	P	20 57 39.9	-0.5
SS1A	Beattyville	43.93 352	eP	P	20 57 37.2	-3.1
T47A	Sharon Grove	43.93 347	eP	P	20 57 39.5	-0.8
T47A	Sharon Grove	43.93 347	eP	P	20 57 38.4	-2.0
V42A	Cord	43.94 342	P	P	20 57 39.2	-1.2
SS0A	Richmond	44.09 351	P	P	20 57 40.6	-1.1
V41A	Mountainview	44.15 341	P	P	20 57 41.4	-0.8
T46A	Princeton	44.16 347	P	P	20 57 40.9	-1.4
W39A	Magazine	44.17 339	eP	P	20 57 42.2	-0.1
W39A	Magazine	44.17 339	eP	P	20 57 41.3	-1.0
X37A	Clayton	44.21 337	eP	P	20 57 43.5	+0.9
S48A	Springfield	44.34 350	P	P	20 57 41.7	-2.0
S48A	Springfield	44.34 350	P	P	20 57 42.5	-1.4
ABTX	Ablene, Hawle	44.38 331	eP	P	20 57 45.2	+1.1
ABTX	Ablene, Hawle	44.38 331	eP	P	20 57 44.1	0.0
V40A	Witts Springs	44.39 341	eP	P	20 57 43.4	-0.7
V40A	Witts Springs	44.39 341	eP	P	20 57 42.8	-1.3
U42A	Revdend	44.39 343	P	P	20 57 42.7	-1.4
S47A	Hartford	44.47 348	P	P	20 57 42.4	-2.3
R52A	Catlettsburg	44.48 353	P	P	20 57 43.7	-1.1
PBMO	Poplar Bluff	44.56 344	eP	P	20 57 43.6	-1.8
R51A	Hillsboro	44.57 352	P	P	20 57 44.4	-1.1
U41A	Viola	44.59 342	P	P	20 57 44.3	-1.4
R50A	Parson	44.67 351	P	P	20 57 45.0	-1.2
V39A	Pettigrew	44.70 340	P	P	20 57 44.9	-1.7
S46A	Don Dixon Farm	44.73 347	P	P	20 57 45.5	-1.3
T43A	Greenville	44.80 344	P	P	20 57 45.8	-1.6
R49A	Shelbyville	44.82 350	P	P	20 57 46.1	-1.4

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U40A	Yellville	44.90 341	P	P	20 57 46.7	-1.5
S45A	Carrier Mills	44.93 346	P	P	20 57 47.2	-1.1
WCI	Wyandotte Cave	44.96 349	P	P	20 57 46.6	-2.0
T42A	Van Buren	44.98 343	eP	P	20 57 47.3	-1.5
T42A	Van Buren	44.98 343	eP	P	20 57 47.8	-1.0
R48A	Northridge Ran	45.05 349	P	P	20 57 47.3	-2.0
R47A	Wooly Knot Far	45.07 349	P	P	20 57 48.3	-1.2
S44A	Carbondale	45.11 345	P	P	20 57 47.5	-2.3
SIUC	Southern Illin	45.12 345	eP	P	20 57 49.0	-0.8
U39C	Greens Forest	45.13 340	P	P	20 57 49.0	-1.1
SDMD	Soldier's Deli	45.16 359	eP	P	20 57 51.5	+1.4
Q50A	Georgetown	45.16 351	P	P	20 57 49.1	-1.1
T41A	Mountain View	45.19 342	P	P	20 57 49.3	-1.2
HHAR	Hobbs	45.20 344	eP	P	20 57 50.0	-0.6
S43A	F					

N54A	Moraine State	46.83	356	P	P	20 58 03.3	0.0
ODNJ	Ogdensburg	46.85	2	eP	P	20 58 04.5	+1.0
O47A	Sheridan	46.88	350	P	P	20 58 02.4	-1.3
N50A	Nevada	46.95	353	P	P	20 58 02.5	-1.7
N51A	Ashland	47.00	354	eP	P	20 58 03.8	-0.9
N51A	Ashland	47.00	354	P	P	20 58 02.8	-1.8
MSTX	Muleshoe	47.01	329	P	P	20 58 04.4	-0.6
P43A	Skaggs, Pawnee	47.02	346	P	P	20 58 03.1	-1.7
P42A	Winchester	47.17	345	P	P	20 58 04.6	-1.4
SFIN	Lafayette	47.20	349	eP	P	20 58 03.9	+3.7
SFIN	Lafayette	47.20	349	P	P	20 58 05.3	-0.8
O45A	Potomac	47.20	348	P	P	20 58 04.0	-2.2
AMTX	Amarillo	47.20	331	P	P	20 58 05.9	-0.5
N49A	Columbus Grove	47.23	352	eP	P	20 58 06.1	-0.4
N49A	Columbus Grove	47.23	352	P	P	20 58 05.4	-1.1
O44A	Mansfield	47.26	347	P	P	20 58 05.8	-1.0
KSPA	Keystone Colle	47.30	0	eP	P	20 58 08.2	+1.2
N48A	Decatur	47.30	351	P	P	20 58 05.9	-1.1
M54A	Oil Creek Stat	47.35	356	eP	P	20 58 07.5	+0.1
M54A	Oil Creek Stat	47.35	356	P	P	20 58 07.1	-0.3
M51A	Elyria	47.39	354	P	P	20 58 08.2	+0.5
N47A	Urbana	47.43	350	P	P	20 58 05.7	-2.2
P41A	Berry, Barry	47.44	344	P	P	20 58 06.8	-1.3
M50A	Fremont	47.56	353	eP	P	20 58 08.7	-0.2
M50A	Fremont	47.56	353	P	P	20 58 07.5	-1.4
O43A	Sugar Creek Fa	47.58	346	P	P	20 58 07.3	-1.9
N46A	Monticello	47.63	349	P	P	20 58 07.1	-2.4
N45A	Kentland	47.73	348	P	P	20 58 08.2	-2.1
M49A	Liberty Center	47.75	352	P	P	20 58 09.5	-0.9
N44A	Piper City	47.81	348	P	P	20 58 08.8	-2.1
O41A	Passleys Farm,	47.81	345	P	P	20 58 08.8	-2.1
HDIL	Hopedale	47.84	347	eP	P	20 58 07.1	-4.1
HDIL	Hopedale	47.84	347	P	P	20 58 07.8	-3.3
M48A	Edgerton	47.86	351	P	P	20 58 10.0	-1.3
M47A	Cromwell	47.88	350	P	P	20 58 10.1	-1.4
BINY	Binghamton	47.94	0	eP	P	20 58 13.0	+1.0
BINY	Binghamton	47.94	0	P	P	20 58 12.4	+0.5
EFI	East Falkland	47.98	165	iP	Pmax	20 58 13.8	+1.7
ERPA	Erie	47.98	356	P	Pmax	20 58 11.6	-0.6
M46A	Old House Fiel	48.05	350	eP	P	20 58 11.9	-0.9
M46A	Old House Fiel	48.05	350	P	P	20 58 11.2	-1.7
QUA2	Belchertown	48.15	4	eP	P	20 58 14.2	+0.6
N43A	Stutzman Famil	48.17	347	P	P	20 58 12.0	-1.8
M45A	Boilermakers S	48.20	349	P	P	20 58 11.2	-2.8
N42A	Yates City	48.27	346	P	P	20 58 12.8	-1.7
L48A	N Adams	48.27	352	P	P	20 58 13.2	-1.3
L49A	Milan	48.34	352	P	P	20 58 14.1	-1.0
M44A	Midewin, Midew	48.36	348	P	P	20 58 14.1	-1.1
N41A	Harden Midland	48.36	345	P	P	20 58 13.7	-1.5
L47A	Sherwood	48.42	351	P	P	20 58 14.7	-1.0
HRV	Adam Dzewionsk	48.43	5	eP	P	20 58 17.0	+1.3
HRV	Adam Dzewionsk	48.43	5	eP	Pmax	20 58 17.0	+1.3
HRV	Adam Dzewionsk	48.43	5	P	Pmax	20 58 14.6	-1.1
MNV	Mt. Morris Dam	48.49	358	eP	P	20 58 16.7	+0.5
AAM	Ann Arbor	48.52	353	P	P	20 58 15.6	-0.8
TRY	Troy	48.52	3	eP	P	20 58 17.6	+1.2
M43A	Waltham Townsh	48.60	347	P	P	20 58 14.5	-2.5
L46A	Eue Claire	48.63	350	P	P	20 58 15.9	-1.4
121A	Cookes Peak, D	48.66	324	P	P	20 58 18.5	+0.6
N40A	Mertquake, Sal	48.72	344	P	P	20 58 16.5	-1.4
319A	Douglas	48.74	322	eP	P	20 58 19.9	+1.4
M42A	Sheffield	48.80	346	eP	P	20 58 16.9	-1.6
K50A	Casco	48.86	354	P	P	20 58 17.4	-1.7
M41A	Milan	48.91	346	P	P	20 58 17.8	-1.7
N39A	Derby Farms, D	48.96	344	P	P	20 58 18.4	-1.4
K49A	Clarkson	48.97	353	P	P	20 58 18.8	-1.1
K47A	Vermontville	49.07	351	P	P	20 58 17.8	-2.8
K48A	Perry	49.07	352	P	P	20 58 19.3	-1.3
L44A	Lake County Fo	49.09	348	P	P	20 58 17.2	-3.6
ACCN	Adirondack Com	49.18	2	eP	P	20 58 22.5	+1.1
BNM	Barren Site	49.19	326	eP	P	20 58 22.7	+0.7
BNM	Barren Site	49.19	326	eP	P	20 59 45.9	+0.8
M40A	Post Highland	49.19	345	P	P	20 58 19.9	-1.7
K46A	Dorr	49.20	351	P	P	20 58 18.9	-2.8
L43A	Garden Prairie	49.27	348	P	P	20 58 20.6	-1.5
L42A	Oliver, Polo	49.30	347	P	P	20 58 21.5	-0.9
LPM	Los Pinos Moun	49.31	326	eP	P	20 58 23.9	+1.1
LENM	Lemitar	49.39	326	eP	P	20 58 24.5	+1.0
M39A	Webster	49.43	344	P	P	20 58 22.2	-1.2
J49A	Marlette	49.50	353	P	P	20 58 21.9	-2.0
J48A	Bridge Port	49.52	353	P	P	20 58 22.6	-1.4
HNH	Hanover	49.57	4	eP	P	20 58 25.5	+1.1
J47A	Summer	49.60	352	P	P	20 58 23.0	-1.7
CBKS	Cedar Bluff	49.61	336	eP	P	20 58 25.9	+1.0
CBKS	Cedar Bluff	49.61	336	eP	Pmax	20 58 25.9	+1.0

CBKS	Cedar Bluff	49.61	336	P	P	20 58 25.6	+0.7
LAZ	Ladron	49.65	326	eP	P	20 58 26.9	+1.4
K43A	Burlington	49.68	348	P	P	20 58 24.7	-0.6
ANMO	Albuquerque	49.69	327	P	P	20 58 26.0	+0.2
ANMO	Albuquerque	49.69	327	eP	P	20 58 32.3	-0.2
ANMO	Albuquerque	49.69	327	eP	P	20 58 26.4	+0.7
ANMO	Albuquerque	49.69	327	eP	P	20 58 32.4	-0.2
ANMO	Albuquerque	49.69	327	eP	P	20 58 26.1	+0.3
ANMO	Albuquerque	49.69	327	eP	P	20 58 26.3	+0.6
L40A	Anamosa	49.73	345	eP	P	20 58 24.2	-1.5
L40A	Anamosa	49.73	345	P	P	20 58 23.7	-1.9
NCB	Newcomb	49.74	2	eP	P	20 58 26.4	+0.6
LBNH	Lisbon	50.13	4	eP	P	20 58 29.7	+1.0
LBNH	Lisbon	50.13	4	P	P	20 58 28.4	-0.3
TUC	Tucson	50.31	321	eP	P	20 58 29.6	-0.8
TUC	Tucson	50.31	321	eP	P	20 58 29.6	-0.8
T25A	Trinidad	50.33	331	eP	P	20 58 31.9	+1.3
T25A	Trinidad	50.33	331	P	P	20 58 31.6	+1.0
J43A	Natural Harves	50.35	348	P	P	20 58 28.1	-2.2
LONJ	Lake Ozonia	50.38	2	P	P	20 58 30.6	0.0
J42A	Columbus	50.43	348	P	P	20 58 30.9	-0.1
K39A	Delwin	50.50	345	P	P	20 58 29.6	-1.9
SADO	Sadowa	50.58	357	P	P	20 58 30.9	-1.2
SADO	Sadowa	50.58	357	eP	P	20 58 39.0	+0.1
SADO	Sadowa	50.58	357	eP	P	20 58 31.9	-0.1
SADO	Sadowa	50.58	357	eP	P	20 58 39.0	+0.1
SADO	Sadowa	50.58	357	eP	P	20 58 32.8	+0.4
WVL	Waterville	50.65	6	eP	P	20 58 35.6	+3.0
KSCO	Kaye Shedlock	51.01	334	eP	P	20 58 36.5	+0.9
KSCO	Kaye Shedlock	51.01	334	P	P	20 58 35.4	-0.2
J39A	Decorah	51.05	345	P	P	20 58 34.3	-1.3
MOQ	Mont Orford	51.17	4	eP	P	20 58 37.8	+1.2
BGNE	Belgrade	51.25	339	eP	P	20 58 37.6	+0.4
BGNE	Belgrade	51.25	339	P	P	20 58 36.7	-0.6
H41A	Arkdale	51.30	347	P	P	20 58 37.3	-0.2
I40A	Norwalk	51.31	347	P	P	20 58 36.8	-0.8
SDCO	Great Sand Dun	51.34	330	eP	P	20 58 39.0	+0.6
SDCO	Great Sand Dun	51.34	330	P	P	20 58 38.9	+0.6
X18A	Snowflake	51.35	324	eP	P	20 58 39.1	+0.8
214A	Organ Pipe Nat	51.36	320	P	P	20 58 39.0	+0.7
PKME	Peaks-Kenny Pk	51.38	6	P	P	20 58 38.7	+0.6
PKME	Peaks-Kenny Pk	51.38	6	eP	P	20 58 39.0	+0.9
H42A	Shiocton	51.46	349	P	P	20 58 37.3	-1.4
I39A	Houston	51.49	346	eP	P	20 58 37.0	-1.9
I39A	Houston	51.49	346	P	P	20 58 37.5	-1.4
GGN	Saint George	51.55	8	eP	P	20 58 39.9	+0.5
W18A	Petrified Fore	51.64	325	eP	P	20 58 41.6	+1.2
W18A	Petrified Fore	51.64	325	P	P	20 58 41.3	+0.8
H41A	Junction City	51.79	348	eP	P	20 58 39.9	-1.3
H41A	Junction City	51.79	348	P	P	20 58 40.9	-0.2
H40A	Chili	51.95	347	P	P	20 58 42.1	-0.3
TRQ	Mont Tremblant	51.98	1	eP	P	20 58 42.9	+0.3
S22A	4UR Ranch, Cre	52.01	329	eP	P	20 58 43.8	+0.5
S22A	4UR Ranch, Cre	52.01	329	P	P	20 58 43.5	+0.2
Q24A	Divide	52.13	331	eP	P	20 58 44.5	+0.3
Q24A	Divide	52.13	331	P	P	20 58 44.2	0.0
E53A	Dumoine, Ponti	52.13	359	P	P	20 58 43.3	-0.4
E54A	Lac Duplat, Po	52.18	359	P	P	20 58 42.6	-1.4
H39A	Augusta	52.21	346	P	P	20 58 43.6	-0.7
OGNE	Ogallala	52.35	335	eP	P	20 58 46.3	+0.7
OGNE	Ogallala	52.35	335	P	P	20 58 46.1	+0.5
MVCO	Mesa Verde	52.48	327	eP	P	20 58 48.1	+1.4
MVCO	Mesa Verde	52.48	327	P	P	20 58 46.7	0.0
113A	Hawk Valley,	52.50	320	eP	P	20 58 47.7	+1.0
G39A	Holcombe	52.76	347	P	P	20 58 48.0	-0.3
ECSD	EROS Data Cent	52.80	342	eP	P	20 58 47.6	-1.1
ECSD	EROS Data Cent	52.80	342	P	P	20 58 45.9	-2.8
G38A	Ridgeland	52.81	346	P	P	20 58 47.1	-1.7
D53A	Maple Vacive, Po	52.83	359	P	P	20 58 48.4	-0.4
WUAZ	Wupatki	52.87	324	eP	P	20 58 51.0	+1.4
WUAZ	Wupatki	52.87	324	P	P	20 58 50.4	+0.8
D54A	Lac Fusel, La	52.89	360	P	P	20 58 49.6	+0.3
ISCO	Idaho Springs	53.01	332	eP	P	20 58 51.0	+0.3
ISCO	Idaho Springs	53.01	332	eP	P	20 58 51.0	+0.3
ISCO	Idaho Springs	53.01	332	eP	Pmax	20 58 50.4	-0.3
SPMN	Marine on St.	53.09	345	P	P	20 58 49.9	-0.9
SMCO	Snowmass	53.18	330	eP	P	20 58 52.7	+0.6
PV01	Paradox Valley	53.20	328	eP	P	20 58 52.8	+0.7
PV01	Paradox Valley	53.20	328	eP	P	20 58 54.0	+0.9
PV13	Radium Mtn., P	53.35	328	eP	P	20 58 53.7	+0.6
GLA	Glamis	53.37	319	eP	P	20 58 54.3	+1.1
GLA	Glamis	53.37	319	eP	P	20 58 54.3	+1.1
GLA	Glamis	53.37	319	P	P	20 58 53.3	+0.1
PV03	Paradox Valley	53.44	328	eP	P	20 58 54.1	+0.4
PV05	Paradox Valley	53.44	328	eP	P	20 58 54.3	+0.5
PV12	Saucer Basin	53.46	328	eP	P	20 5	

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Table with columns: DAC, comp-Z, elevation, azimuth, elevation error, position, and other parameters. Rows include stations like BW06, PD31, PDAR, etc.

Table with columns: SCHQ, elevation, azimuth, elevation error, position, and other parameters. Rows include stations like Schefferville, Beckwith, Hry, etc.

Table with columns: MESJ, elevation, azimuth, elevation error, position, and other parameters. Rows include stations like Mesjejana, Almeirim, etc.

Table with columns: SHL, Station Name, Frequency, Power, and other technical details for various stations like Shillong, BWNR, GYA, etc.

Table with columns: SRE, Station Name, Frequency, Power, and other technical details for stations like Strehaia, GZR, GUR, etc.

Table with columns: UEES, Station Name, Frequency, Power, and other technical details for stations like San Salvador, LFU, BOQS, etc.

ISCJB 25 20:53:28.0, 4.45:59N, 0.02:26.59E, 0.03, h127km, 3km, Error ellipse: s-maj=3.4km, s-min=3.0km, az=74.7, h127km, 2km, mb3.0/3,

NIED 25 20:53:00, 28.70N, 128.50E, h5km, Mw4.4 Best double couple: M0.4, 080000.105, NP1.0, 20.00000, 335.00000, s-1.56, 00000, NP2.0, 75.00000, 655.00000, -93.00000,

ISCJB 25 20:53:48.8, 1.2, 45:57N, 26:58E, h122km, 4km, MD4, 1/3, h22km, 10km, mb3.9/16, ML3.3/3, MS3.5/7, Error ellipse: s-maj=11.8km, s-min=5.2km, az=13.9,

ISC 25 20:53:28.5, 1.2, 45:59N, 0.03:26.56E, 0.02, h131km, 6km, n98, e0.93/138, 60C-23D, Romania

JMA 25 20:53:48.0, 0.2, 28:75N, 128:53E, h15km, 3km, M4.2, IDC 25 20:53:53.5, 1.8, 28:64N, 128:43E, h51km, 19km, mb3.7/11, mb1 3.8/16, mb1mx3.7/46, mbtmp3.9/16, ML3.3/4, MS3.6/11, Ms1 3.6/11, ms1mx3.4/42, Error ellipse: s-maj=23.7km, s-min=12.4km, az=88.0,

ISC 25 20:53:47.6, 1.6, 28:58N, 0.04:128:51E, 0.06, h5km, 11km, n33, e1937/36, mb4.0/10, MS3.4/7, Ryukyu Islands

Main table with columns: Code, Station Name, Frequency, Power, and other technical details for stations like PLO, VRI, Muntele Rosu, etc.

Main table with columns: Code, Station Name, Frequency, Power, and other technical details for stations like JAMN, JTAJ, TOKUNOSHIMA, etc.

Main table with columns: Code, Station Name, Frequency, Power, and other technical details for stations like W3A, V41A, W40A, etc.

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Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like GUMO Guam, STKI Sintang, KSM Kuching, etc.

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Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like XAN comp=Z,490nm,16.3s, XAN comp=Z,380nm,13.4s, etc.

25d 22h

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like TLY Talaya, NWAO Narrogin (SRO), NWAO Narrogin (SRO), etc.

Table with columns: Station Name, Code, Azimuth, Altitude, Phase ID, Time, Res. Includes stations like BPAW Bear Paw Mtn, ZEI Tsey, MLY Manley, etc.

Table for WEL 25 23:04:02.7, 45°S, 3.167E, h6km, 4km, ML3.7/12, South Island. Columns: Code, Station Name, Az, AZ, Phase ID, Time, Res.

TIR 25 23:05:14.9, 39°73N, 15°52E, h5km, Md5.0/8
BUJ 25 23:05:20.8, 39°71N, 15°45E, h5km, mb5.3/67, mb5.5/43, MS5.3/59, MS7.5/155
GII 25 23:05:22.7, 0.0, 39°86N, 16°04E, h4km
NEIC 25 23:05:24.0, 0.0, 39°88N, 16°01E, h6km, mb5.2/170, MS5.0/100, MW5.2, MW5.3, ML5.0(ROM), Moment Tensor Solution. s27 Moment tensor: Scale 10^16Nm; Mr=-8.26; M0=1.14; M0=7.12; M0=4.43; M0=-1.89; M0=-2.38; Best double couple: M0=9.40000*10^16 NP1:0.324,0.00000, 0.60,0.00000, -1.09,0.00000. NP2:0.179,0.00000, 0.35,0.00000, -1.60,0.00000. Principal axes: T 1.7,0.0, P16.00000, Azm334.00000; N 0.0100, P16.00000, Azm19.00000; P -1.1000, P16.00000, Azm19.00000; After ROM.
NEIC One person died of a heart attack at Cosenza. Felt [V] at Castelluccio Inferiore, Mormanno, San Basile, Santa Maria del Cedro and Verbicario; [IV] at Castrolibero, Castrovillari, Lauria, Sapri, Scalea and Tortora; [III] at Cosenza, Naples and Rende. Felt throughout Basilicata, Calabria and Campania and in much of Apulia, Molise and northeastern Sicily. Felt as far as Palermo and Rome.
ISCJB 25 23:05:25.0, 0.2, 39°916N, 0.008, 15°99E, 0.01,

h12km, 1km, mb5.2/243, MS5.0/153 Error ellipse: s-maj=1.4km s-min=1.3km az=162.4
MOS 25 23:05:24.9, 1.2, 39°95N, 15°98E, h11km, mb5.4/89, MS5.0/50, Error ellipse: s-maj=3.1km s-min=2.1km az=84.1
LDG 25 23:05:24.5, 0.1, 39°94N, 16°03E, h5km, M4.7/5, Error ellipse: s-maj=3.0km s-min=2.5km az=38.0
ROM 25 23:05:24.7, 0.1, 39°875N, 0°004, 16°016E, 0°008, h10km, ML5.0/138
IDC 25 23:05:25.5, 0.4, 39°98N, 15°92E, h0km, mb4.9/32, mb1.6, 0.4/5, mb1mx5.0/52, mbtmp4.9/45, ML4.6/12, MS4.7/43, Ms1.4, 7/43, ms1mx4.7/48, Error ellipse: s-maj=9.1km s-min=7.0km az=97.0
PDG 25 23:05:25.2, 0.8, 39°90N, 16°05E, h11km, MD5.3/14, ML5.2/14, Error ellipse: s-maj=0.5km s-min=0.7km az=0.0
BGS 25 23:05:26.4, 2.1, 40°20'N, 16°51'E, h6km, mb5.0, MW5.3(NEIC)
CRAAG 25 23:05:26.0, 0.0, 39°84N, 16°03E, h11km, Moment Tensor Solution. s48 Moment tensor: Scale 10^17Nm; Mr=-1.08; M0=0.16; M0=0.92; M0=0.11; M0=-0.38; M0=0.17; Best double couple: M0 1.0000*10^17 NP1:0.155,0.0000, 0.50,0.0000, -1.92,0.0000. NP2:0.339,0.0000, 0.40,0.0000, -1.87,0.0000. Principal axes: T 1.0900, P15.0000, Azm247.0000; N 0.0100, P11.0000, Azm156.0000; P -1.1000, P16.0000, Azm47.0000.
BEO 25 23:05:27.1, 0.7, 40°04N, 16°03E, h0km, ML5.0/12
GCMT 25 23:05:28.0, 0.1, 39°88N, 0°01, 15°98E, 0°01, h12km, MW5.3/129, Moment Tensor Solution. s86, c131; s129, c249; Duration: 1s1 Moment tensor: Scale 10^17 Nm; Mr=-1.01±.01; M0=0.20±.01; M0=0.80±.01; M0=0.30±.04; M0=-0.40±.01; M0=-0.34±.03; Best double couple: M0 1.0500*10^17 NP1:0.328,0.0000, 0.57,0.0000, -1.97,0.0000. NP2:0.160,0.0000, 0.34,0.0000, -1.80,0.0000. Principal axes: T 1.0970, P12.0000, Azm82.0000; N 0.0120, P16.0000, Azm31.0000; P -1.1130, P17.0000, Azm216.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function
ISC 25 23:05:26.1, 0.6, 39°88N, 0°02, 16°02E, 0.02, h6km, 3km, n1536, c181/1532, mb5.2/249, MS5.0/154, 77C-57D, Southern Italy

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like MMN Mormanno, TOT01 Viggianello, CUC Acquaforsosa, etc.

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

Table with columns for station name, frequency, power, and other technical details. Includes stations like Bratislava, Yambol, Montbardon, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like UZH, PSN, MORC, LASF, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like LVV, SFTF, SFTF, etc.

ANN	comp=Z,2um,13.0s	MLR	MLR				
MICGM	Minsk	16.67	25t	eP	Pn	23 09 16.0	-4.2
MICGM	comp=Z,1.4nm,1.0s		PM			23 09 21.0	
MICGM	comp=N,0.6nm,1.0s					23 09 21.0	
MICGM			ePP	Pn	Pn	23 09 32.0	+2.6
MICGM			ePPP	PPP	PPP	23 09 40.0	
MICGM			eS	Pn	Pn	23 12 18.0	-7.5
MICGM			eSSn	Ss	Ss	23 12 50.0	+11
MICGM			eLQ	LQ	LQ	23 14 30.0	
MICGM	comp=N,9.4nm,14.0s		LQM			23 15 27.0	
MICGM	comp=E,12nm,13.0s					23 15 32.0	
MICGM			eLR	LR	LR	23 15 42.0	
MICGM			eLRM	LRM	LRM	23 17 14.0	
MNK	Minsk	16.67	25	eP	Pn	23 09 16.0	-4.2
MNK			eS	S	S	23 12 18.0	-7.5
MNK			eS	S	S	23 12 18.0	-7.5
MNK	comp=N,600nm,1.0s						
MNK	comp=Z,420nm,1.0s						
NACGM	Naroch	16.68	22	eP	Pn	23 09 18.0	-2.2
NACGM	comp=Z,0.7nm,1.0s		PM			23 09 23.0	
NACGM			eS	S	S	23 12 30.0	+4.4
NACGM			eLQ	LQ	LQ	23 14 16.0	
NACGM			eLR	LR	LR	23 17 07.0	
PVLZ	Peen de	16.78	260	iP	P	23 09 20.8	-0.9
PVLZ			eS	S	S	23 12 39.7	+0.4
BHL	Bhannes	16.79	105	eP	Pn	23 09 17.6	-4.3
HNTI	Hanita	16.82	108	eP	Pn	23 09 18.9	-3.3
HWQ	Hawga	16.85	103	eP	Pn	23 09 19.5	-3.2
IIGN	Ignalina	16.91	20	eP	Pn	23 09 21.6	-1.7
IIGN			Iamb	Iamb	Iamb	23 09 26.3	
MAA0B	Mout Meron ar	17.02	108	eP	Pn	23 09 22.1	-2.7
IDID	Dizdialalis	17.02	21	eP	Pn	23 09 22.3	-2.3
IDID			Iamb	Iamb	Iamb	23 09 28.2	
LJJA	Lijar	17.05	267	eP	Pn	23 09 26.8	-0.3
ISAL	Salakas	17.08	20	eP	Pn	23 09 27.3	-1.6
ISAL			Iamb	Iamb	Iamb	23 09 28.0	
RCY		17.11	106	eP	Pn	23 09 22.1	-3.9
SHBL	Rachaya	17.11	106	eP	Pn	23 09 22.3	-3.8
KSDI	Kefar Szold	17.12	107	eP	Pn	23 09 21.9	-4.1
NATI	Neve Ativ	17.15	106	eP	Pn	23 09 22.3	-4.0
SLTI	Salit	17.15	110	eP	Pn	23 09 23.0	-3.3
MUD	Monsted U'grnd	17.19	347	iP	P	23 09 28.8	+0.5
MUD	comp=Z,506nm,2.1s						
MUD	Monsted U'grnd	17.19	347	eP	P	23 09 28.8	+0.5
MUD							
MMLI	Mount Malkishu	17.32	109	eP	Pn	23 09 25.1	-3.5
PBRG	Braganca	17.32	284	eP	Pn	23 09 31.9	+1.9
PBRG	comp=Z,11nm,1.6s						
KZIT	Kziot	17.43	115	eP	Pn	23 09 25.5	-4.4
AMAZ	Amatzia	17.44	113	eP	Pn	23 09 25.9	-4.1
HMDT	Hahal Hemdat	17.49	110	eP	Pn	23 09 28.4	-2.2
GIBL	Giblatin	17.50	267	eP	Pn	23 09 30.0	+1.0
MVO	Moncorvo	17.56	282	eP	P	23 09 37.5	+4.8
MVO	comp=Z,93nm,1.5s						
MVO			eLR	LR	LR	23 12 55.8	
YTRF	Yatfir	17.68	113	eP	Pn	23 09 29.9	-3.1
DSI	Dead Sea	17.75	112	eP	Pn	23 09 30.0	-3.8
SFS	San Fernando	17.79	266	iP	Pn	23 09 32.7	-1.6
SFS			eS	S	S	23 13 16.2	+1.6
MZDA	Masada	17.88	113	eP	Pn	23 09 31.8	-3.6
MTE	Manteigas	18.02	279	eP	P	23 09 39.3	+1.6
MTE	comp=Z,38nm,1.5s						
MTE			eLR	LR	LR	23 13 09.0	
MTE	comp=Z,6um,18.0s						
MTE	Manteigas	18.02	279	ePn	Pn	23 09 35.2	-1.9
MTE	comp=Z,35nm,1.1s						
MDT	Midelt	18.03	253	eP	P	23 09 37.8	-0.1
MDT	comp=Z,0.3nm,0.3s,baz=75,slow=12,SNR=13						
MDT			eLR	LR	LR	23 16 47.4	
GHAJ	Ghor Haditha	18.03	112	eP	Pn	23 09 34.4	-2.9
PCBR	Castelo Branco	18.03	277	eP	Pn	23 09 41.6	+3.9
PCBR	comp=Z,70nm,1.9s						
IFR	Ifrane	18.09	256	iP	Pn	23 09 37.1	-1.0
IFR			eS	S	S	23 12 54.7	-5.6
POLO	Lamas de Olo	18.13	282	eP	Pn	23 09 45.3	+6.4
POLO	comp=Z,41nm,2.0s						
PRNI	Paran	18.18	116	eP	Pn	23 09 35.2	-4.0
ZFRF	Zfir	18.18	115	eP	Pn	23 09 36.5	-2.6
PFVJ	Viseu	18.25	280	eP	P	23 09 40.7	+0.5
PESTR	Estremoz	18.27	274	eP	P	23 09 41.6	+1.2
PESTR	comp=Z,87nm,1.9s						
PESTR	Estremoz	18.27	274	ePn	Pn	23 09 38.7	-1.5
PESTR	comp=Z,25nm,1.0s						
PCAB	Cabril	18.29	284	eP	P	23 09 42.5	+1.9
PCAB	comp=Z,111nm,1.7s						
HRFI	Mount Harif	18.39	116	eP	Pn	23 09 38.2	-3.6
MBRI	Mit Berech	18.40	107	eP	Pn	23 09 40.2	-2.4
PGAV	Gavleira, Arco	18.46	284	eP	Pn	23 09 41.9	-0.7
PGAV	comp=Z,134nm,1.5s						
PGAV			eLR	LR	LR	23 13 16.5	
HPK	Haverah Park	18.46	326	eP	Pn	23 09 42.4	0.0
ASF	Jabal al Asfar	18.53	108	eP	Pn	23 09 44.3	+0.8
ASF	comp=Z,0.8nm,0.3s,baz=235,slow=9.6,SNR=22						
ASF			eLR	LR	LR	23 18 38.9	
EIL	Elat	18.56	117	eP	Pn	23 09 40.0	-3.6
PBEJ	Beja	18.66	272	eP	Pn	23 09 50.6	+5.7
PBEJ	comp=Z,105nm,2.0s						
EVO	Evora	18.66	274	eP	Pn	23 09 48.7	+3.7
EVO	comp=Z,80nm,1.2s						
EVO	Evora	18.66	274	iP	Pn	23 09 46.2	+1.2
EVO			iS	S	S	23 13 19.1	+1.5
PVAQ	Vaqueiros	18.69	270	eP	Pn	23 09 45.9	+0.5
PVAQ	comp=Z,130nm,1.3s						
PVAQ			eLR	LR	LR	23 13 19.8	
PTOM	Tomar	18.77	277	eP	Pn	23 09 47.8	+1.4
PCAS	Casmillo, Conde	18.78	278	eP	Pn	23 09 48.9	+2.5
PCAS	comp=Z,176nm,1.8s						
PBDV	Barranco-do-Ve	18.90	270	eP	Pn	23 09 54.2	+6.3
PBDV	comp=Z,185nm,2.0s						
MESJ	Messejana	18.97	272	eP	P	23 09 48.2	+0.1
MESJ			eS	S	S	23 13 22.9	-1.0
MESJ			AMS	AMS	AMS	23 17 02.1	
MESJ	comp=Z,3um,16.4s						
MESJ	Messejana	18.97	272	eP	Pn	23 09 51.3	+2.6
MESJ	comp=Z,130nm,1.8s						
MESJ	Messejana	18.97	272	eP	Pn	23 09 48.2	+0.1
MESJ			eS	S	S	23 13 22.9	-1.0
ALMR	Almeirim	18.98	276	eP	Pn	23 09 48.3	+0.2
ALMR			eS	S	S	23 13 22.9	-1.1
ALMR			AMS	AMS	AMS	23 17 04.8	
ALMR	Almeirim	18.98	276	eP	Pn	23 09 48.4	+0.2
ALMR	comp=Z,201nm,1.4s						
ALMR	Almeirim	18.98	276	eP	Pn	23 09 48.3	+0.2
ALMR			eS	S	S	23 13 22.9	-1.1
HOMB	Homborsund	19.03	348	eP	Pn	23 09 46.2	+1.2
TAMB	Tamanrasset	19.22	211	eP	Pn	23 09 49.9	-1.2
TAMB	comp=Z,22nm,1.1s						
TAM	Tamanrasset	19.22	211	eP	P	23 09 49.9	-1.2
TAM							
SNART	Snatemo	19.33	346	eP	Pn	23 09 55.1	+2.3
PTEO	Sao Teotonio	19.43	271	eP	Pn	23 10 00.2	+5.9
PTEO	comp=Z,124nm,2.5s						
MORF	Marlete	19.44	270	eP	P	23 09 53.4	+0.1
MORF			eS	S	S	23 13 44.2	+0.8
MORF			AMS	AMS	AMS	23 16 47.5	
MORF	comp=Z,2um,22.7s						
MORF	Marlete	19.44	270	eP	P	23 09 53.4	+0.1
MORF			eS	S	S	23 13 34.2	+0.8
MORF	Lisbon	19.50	275	eP	P	23 09 54.1	+0.2
LIS			eS	S	S	23 13 35.4	+0.9
LIS			AMS	AMS	AMS	23 17 38.5	
LIS	comp=Z,5um,16.8s						

LIS	Lisbon	19.50	275	eP	P	23 09 54.1	+0.2
LIS			eS	S	S	23 13 35.4	+0.9
PFVI	Vila Bisbo	19.62	270	eP	P	23 09 52.9	-2.3
VORD	comp=Z,135nm,1.0s						
VSR	Divnogorie	19.66	48	eP	P	23 09 55.2	-0.3
VSR	Storchoveyo	19.70	47	eP	P	23 09 54.5	-1.4
VSR			eS	S	S	23 13 30.2	-8.1
VSR	comp=Z,90nm,0.8s						
VSR			smax	smax	smax		
VSR	comp=N,110nm,1.6s						
VSU	Vasula	19.83	17	eP	P	23 09 56.7	-0.6
VSU			Iamb	Iamb	Iamb	23 10 00.2	
VSU	comp=Z,756nm,0.8s						
VSU	Vasula	19.83	17d	iP	P	23 09 57.3	0.0
VSU							
AVE	Averroes	19.90	258	iP	Pn	23 10 01.6	+1.8
AVE			eS	S	S	23 13 37.3	-5.2
VORR	Voronezh	19.92	46	iP	P	23 09 58.0	-0.4
VORR							
EKA	Eskdalemir Ar	20.05	327	eP	P	23 09 59.3	-0.5
EKA	baz=131,slow=9.8,SNR=39						
ESK	Eskdalemir	20.06	327	eP	P	23 09 56.7	-3.2
ESK	comp=Z,47nm,1.0s						
ESK	Eskdalemir	20.06	327	eP	P	23 09 59.0	-0.9
ESK			Iamb	Iamb	Iamb	23 10 05.0	
ESK	comp=Z,63nm,1.3s						
KONO	Kongsberg	20.06	327	iP	Pn	23 10 02.3	+0.7
KONO	comp=Z,94nm,1.1s						
KONO	Kongsberg	20.20	351	eP	P	23 09 59.9	-1.5
KONO							
KONO	comp=Z,94nm,1.1s						
KONO	Kongsberg	20.20	351	eP	P	23 10 01.5	+0.1
LPSR	Galich'ya Gora	20.22	43	eP	P	23 10 00.4	-1.2
LPSR			eS	S	S	23 13 43.7	-4.9
LPSR	comp=Z,190nm,1.2s						
LPSR			smax	smax	smax		
KIV	comp=N,260nm,2.4s						
KIV	Kislovodsk	20.23	70	eP	Pn	23 10 03.1	-0.7
KIV	comp=N,251nm,1.3s						
KIV			LR	LR	LR		
KIV	comp=Z,2um,21.0s						
KIV	Kislovodsk	20.23	70	eP	P	23 10 02.8	+0.9
KIV	SNR=44						
KIV	Kislovodsk	20.23	70	iP	Pn	23 10 03.3	-0.5
KIV	SNR=26						
KIV	Kislovodsk	20.23	70	eP	Pn	23 10 02.4	+0.5
KIV			eS	S	S	23 13 50.7	-1.0
KIV	comp=Z,170nm,1.1s						
KIV							
KIV	comp=Z,451nm,4.4s						
KIV			MLR	MLR	MLR		
ESY	Stonepath	20.23	329	eP	P	23 10 01.6	-0.2

25d 23h

Table with columns: Station, Name, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like KBS Kingsbay, WSAR Wadi Sarin, ANGG Ammassalik, etc.

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Table with columns: Station, Name, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like KSH KSH, ZHN Zhinshke, SATY Saty, etc.

1200

Table with columns: Station, Name, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like HYB Hyderabad, JIRN Jiri, TLY Talaya, etc.

25d 23h

GOGA	LR	LR		
S46A Don Dixon Farm	75.89 307	P	P	23 17 12.4 -1.1
Q44A Meyer Farm, Va	75.90 309	P	P	23 17 12.6 -0.9
U48A Cassie Pea, Po	75.91 306	P	P	23 17 12.7 -0.9
T47A Sharon Grove	75.95 307	eP	P	23 17 12.6 -1.3
T47A Sharon Grove	75.95 307	P	P	23 17 12.9 -1.0
W50A Signal Mountai	75.96 304	eP	P	23 17 13.2 -0.8
W50A Signal Mountai	75.96 304	P	P	23 17 13.1 -0.8
Y49A McMinville	75.97 305	P	P	23 17 12.6 -1.4
V52A Libburn	75.99 302	eP	P	23 17 13.2 -0.9
Y52A Libburn	75.99 302	P	P	23 17 13.1 -1.0
Z53A Monticello	76.03 302	P	P	23 17 13.6 -0.7
MCK McKinley	76.04 353	eP	P	23 17 12.8 -1.1
MCK McKinley	76.04 353	eP	P	23 17 12.8 -1.1
X51A Calhoun	76.06 303	P	P	23 17 13.7 -0.9
SDDR Presa de Saban	76.07 283	PFAKE	LR	23 17 20.0 +5.1
N40A Murtquake, Sal	76.12 312	P	P	23 17 13.8 -0.9
O41A Passleys Farm	76.21 311	P	P	23 17 13.9 -1.4
DL2 Dalian	76.24 51	eP	P	23 17 12.5 -3.0
DL2		eS	S	23 26 53.8 -6.5
DL2	comp=Z,23nm,1.1s		pmax	pmax
DL2	comp=Z,190nm,7.4s		pmax	pmax
DL2	comp=Z,780nm,22.2s		LR	LR
DL2	comp=Z,720nm,24.1s		LR	LR
P42A Winchester	76.24 310	eP	P	23 17 15.2 -0.3
P42A Winchester	76.24 310	P	P	23 17 13.8 -1.6
CMBY CAMPBELL BAY	76.27 92	eP	P	23 17 14.1 -1.8
Q43A New Douglas	76.28 309	P	P	23 17 15.1 -0.6
RND Reindeer	76.36 353	eP	P	23 17 14.1 -1.7
RND Reindeer	76.36 353	eP	P	23 17 14.1 -1.7
SCIA State Center	76.36 314	PFAKE	LR	23 17 30.0 +1.4
T46A Princeton	76.41 307	P	P	23 17 15.8 -0.6
U47A Clarksville	76.42 306	P	P	23 17 15.1 -1.4
TRF Thorafore Moun	76.44 354	eP	P	23 17 15.8 -0.6
NONG Nongkai	76.50 78	P	P	23 17 18.1 +0.9
DHY Denali Highway	76.53 352	eP	P	23 17 17.1 +0.2
V48A Smith Brothers	76.57 305	eP	P	23 17 16.0 -1.4
V48A Smith Brothers	76.57 305	P	P	23 17 15.9 -1.5
P41A Barry Barry	76.61 311	P	P	23 17 15.9 -1.7
W49A Belvidere	76.61 305	P	P	23 17 16.1 -1.5
Y51A Rockmart	76.61 303	P	P	23 17 16.1 -1.6
X50B Fort Payne	76.64 304	P	P	23 17 16.6 -1.3
Z52A Williamson	76.64 302	P	P	23 17 16.6 -1.2
N39A Derby Farms, D	76.64 312	eP	P	23 17 19.9 +2.2
N39A Derby Farms, D	76.64 312	eP	P	23 17 16.3 -1.4
SIUC Southern Illin	76.78 308	P	P	23 17 17.6 -0.9
Q42A Golden Eagle	76.79 310	P	P	23 17 17.1 -1.5
S44A Carbondale	76.82 308	P	P	23 17 17.3 -1.4
R43A Red Bud	76.85 309	P	P	23 17 17.3 -1.6
MDJ Mudanjiang	76.87 42	P	P	23 17 19.8 +0.9
MDJ		pP	sP	23 17 21.3 -0.1
MDJ		PP	PP	23 17 31.3 +1.2
MDJ		PP	PP	23 20 11.5 +0.3
MDJ		pmax	pmax	23 27 06.3 -0.7
MDJ	comp=Z,18nm,1.1s		pmax	pmax
MDJ	comp=Z,240nm,5.2s		LR	LR
MDJ	comp=Z,1um,14.3s		LR	LR
MDJ	comp=Z,790nm,18.3s		LR	LR
MDJ Mudanjiang	76.87 42	PFAKE	LR	23 17 30.0 +1.1
WHN Wuhan	76.90 61	lP	LR	23 17 19.0 -0.3
WHN	comp=Z,2um,18.0s		LR	LR
WHN	comp=Z,900nm,12.1s		LR	LR
CHAI Chaiphaphum	76.94 80	P	P	23 17 21.2 +1.4
V47A Nunnely	76.95 306	P	P	23 17 17.5 -2.1
WVT Waverly	76.95 306	P	P	23 17 18.1 -1.4
ECSD EROS Data Cent	76.98 317	eP	P	23 17 18.0 -1.7
ECSD	comp=Z,1um,20.0s		LR	LR
ECSD EROS Data Cent	76.98 317	P	P	23 17 18.0 -1.7
U46A Springville	77.02 307	P	P	23 17 18.7 -1.3
W48A Pulaski	77.02 305	P	P	23 17 18.0 -2.0
X49A Woodville	77.04 304	P	P	23 17 18.4 -1.6
Y50A Piedmont	77.05 303	P	P	23 17 19.0 -1.1
PPLA Purkeypille	77.14 354	eP	P	23 17 19.7 -0.6
152A Waverly Hall	77.16 302	P	P	23 17 19.4 -1.4
Q41A Truxton	77.18 310	P	P	23 17 19.3 -1.5
FVM French Village	77.33 309	eP	P	23 17 20.1 -1.5
FVM French Village	77.33 309	eP	P	23 17 20.2 -1.5
HYT Haines Junctio	77.34 347	eP	P	23 17 21.5 0.0
V46A Holiday	77.34 306	P	P	23 17 20.0 -1.8
DGMT Dagmar	77.35 324	PFAKE	LR	23 17 30.0 +8.4
DGMT	comp=Z,1um,20.0s		LR	LR
W47A Westpoint	77.37 305	P	P	23 17 20.8 -1.1
S43A Fulton Ridge	77.39 309	P	P	23 17 20.7 -1.3
NAYO Nakonayok	77.41 82	P	P	23 17 23.8 +1.4
Y49A Blount Mountai	77.51 304	eP	P	23 17 20.4 -2.3

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Y49A Blount Mountai	77.51 304	P	P	23 17 21.2 -1.5
X48A Hartsettle	77.53 304	eP	P	23 17 21.6 -1.3
X48A Hartsettle	77.53 304	P	P	23 17 20.9 -2.0
Z50A Ashland	77.58 303	eP	P	23 17 24.0 +0.9
Z50A Ashland	77.58 303	P	P	23 17 21.3 -1.9
R41A Rosebud	77.69 310	P	P	23 17 22.4 -1.3
SCM Shee Creek Mo	77.74 352	eP	P	23 17 22.4 -1.2
SCM Shee Creek Mo	77.74 352	eP	P	23 17 22.4 -1.2
CCM Cathedral Cave	77.78 310	eP	P	23 17 22.8 -1.4
CCM Cathedral Cave	77.78 310	P	P	23 17 23.0 -1.1
SKNT Sakolinkorn	77.80 78	P	P	23 17 25.8 +1.3
T43A Greenville	77.84 308	P	P	23 17 23.2 -1.3
PLAL Pickwick Lake	77.84 305	eP	P	23 17 23.6 -0.9
SML Sawmill	77.87 352	eP	P	23 17 22.7 -1.6
SML Sawmill	77.87 352	eP	P	23 17 22.7 -1.6
KLU Klutina	77.92 351	eP	P	23 17 23.7 -0.9
PATY Pattaya	77.92 83	P	P	23 17 27.2 +2.0
Y48A Jasper	77.96 304	P	P	23 17 24.1 -1.1
251A Midway	77.98 302	P	P	23 17 24.0 -1.4
SKT Skwentna	77.99 354	eP	P	23 17 23.6 -1.3
X47A Ruseville	78.00 305	P	P	23 17 23.2 -2.2
Z49A Columbiana	78.01 303	P	P	23 17 23.9 -1.6
DLBC Dease Lake	78.03 343	eP	P	23 17 28.2 +2.9
150A Eclectic	78.05 302	P	P	23 17 24.6 -1.1
PBMO Poplar Bluff	78.12 308	eP	P	23 17 24.5 -1.6
SRAK Srawley	78.15 82	P	P	23 17 30.7 +4.2
PMR Palmer	78.16 353	eP	P	23 17 25.8 0.0
PMR Palmer	78.16 353	eP	P	23 17 25.8 0.0
BMR Bremner River	78.27 350	eP	P	23 17 25.5 -1.0
T42A Van Buren	78.36 309	eP	P	23 17 26.2 -1.2
T42A Van Buren	78.36 309	P	P	23 17 26.0 -1.4
S41A Jilico Farms,	78.38 309	P	P	23 17 25.6 -1.9
USA0B Ussuriysk Arra	78.39 41	eP	P	23 17 26.4 -1.1
USRK Ussuriysk Ar.	78.39 41	P	P	23 17 27.9 +0.5
USRK	comp=Z,28nm,0.9s,baz=309,slow=4.9,SNR=45		LR	LR
Y47A UCPARC, Winfie	78.39 304	P	P	23 17 26.1 -1.5
LRAL Lakeview Retre	78.41 303	eP	P	23 17 26.4 -1.3
LRAL Lakeview Retre	78.41 303	P	P	23 17 26.4 -1.3
X46A Booneville	78.44 305	P	P	23 17 26.6 -1.2
PCA Pinnacle	78.48 348	eP	P	23 17 26.2 -1.6
Z48A Northport	78.55 304	P	P	23 17 27.0 -1.5
149A Jonestown	78.56 303	P	P	23 17 27.2 -1.3
RC01 Rabbit Creek A	78.72 353	eP	P	23 17 26.3 -2.6
T41A Mountain View	78.75 309	P	P	23 17 28.2 -1.4
U42A Revenden	78.89 308	P	P	23 17 29.1 -1.2
NJ2 Nanjing	78.93 58	eP	P	23 17 32.0 +1.4
NJ2	comp=Z,29nm,0.9s		pmax	pmax
NJ2	comp=Z,860nm,9.8s		LR	LR
NJ2	comp=Z,300nm,7.0s		LR	LR
OXF Oxford	78.98 306	eP	P	23 17 29.2 -1.6
OXF Oxford	78.98 306	eP	P	23 17 29.3 -1.6
OXF Oxford	78.98 306	eP	P	23 17 29.3 -1.6
OXF Oxford	78.98 306	P	P	23 17 30.2 -0.7
Z47A Carrollton	78.99 304	P	P	23 17 29.9 -1.0
148A Greensboro	79.03 303	P	P	23 17 30.3 -0.9
X45A UM Field Stati	79.03 306	P	P	23 17 29.4 -1.7
Y46A Houston	79.05 305	P	P	23 17 29.8 -1.4
PKDT Phuke	79.11 89	P	P	23 17 33.7 +1.9
T40A Mansfield	79.13 310	P	P	23 17 30.2 -1.5
S39A Bolivar	79.24 310	eP	P	23 17 30.9 -1.4
S39A Bolivar	79.24 310	P	P	23 17 31.8 -0.4
U41A Viola	79.31 309	P	P	23 17 31.5 -1.1
V42A Cord	79.35 308	P	P	23 17 31.6 -1.2
Y45A Yeager Farm, C	79.49 305	P	P	23 17 32.0 -1.6
248A Dixon Mills	79.49 303	P	P	23 17 32.7 -0.9
LAO LASA Array	79.60 324	PFAKE	LR	23 17 40.0 +5.9
S38A Stockton	79.63 311	P	P	23 17 33.7 -0.6
PTGA Pitinga	79.73 260	eP	P	23 17 33.7 -1.5
V41A Mountainview	79.83 308	P	P	23 17 34.3 -1.1
U40A Yelville	79.86 309	P	P	23 17 34.6 -1.1
MLSI Meulaboh, Aceh	79.90 93	P	P	23 17 36.5 +0.4
247A Quilman	80.08 303	P	P	23 17 36.5 -0.4
EGMT Eagleton	80.13 326	eP	P	23 17 36.4 -0.6
EGMT	comp=Z,27nm,1.0s		LR	LR
EGMT	comp=Z,875nm,19.0s		LR	LR
KSU1 Kansas State U	80.17 313	PFAKE	LR	23 17 50.0 +1.3
TRTT Trans	80.19 88	P	P	23 17 38.9 +1.2
V40A Witts Springs	80.22 309	eP	P	23 17 36.0 -1.6
V40A Witts Springs	80.22 309	P	P	23 17 37.2 -0.5
U39A Green Forest	80.22 309	P	P	23 17 36.9 -0.7
WHAR Woolly Hollow	80.24 308	eP	P	23 17 36.1 -1.6
T38A Diamond	80.26 310	P	P	23 17 37.0 -0.8
W41B Gary Mavity, V	80.29 308	eP	P	23 17 36.2 -1.8

W41B Gary Mavity, V	80.29 308	P	P	23 17 36.5 -1.4
WRAK Wrangell Islan	80.40 343	PFAKE	LR	23 17 50.0 +1.2
347A Saraland	80.46 303	P	P	23 17 38.6 -0.3
RSSD Black Hills	80.47 321	P	P	23 17 38.7 -0.4
UALR University of	80.62 308	eP	P	23 17 38.0 -1.8
V39A Pettigrew	80.68 309	P	P	23 17 38.9 -1.3
KS01 Wonju Array Si	80.87 48	eP	P	23 17 40.6 -0.4
KS15 Wonju Array Si	80.88 48	eP	P	23 17 43.4 +2.3
KSAR Wonju Array Be	80.88 48	eP	P	23 17 42.0 +1.0
KSAR Wonju Array Be	80.88 48	PP	PP	23 20 45.5 +0.6
KSAR Wonju Array Be	80.88 48	PP	PP	23 17 42.1 +1.0
QIZ QIZ	80.89 73	P	S	23 20 45.5 +0.9
QIZ QIZ	80.89 73	P	S	23 27 53.0 +2.3
QIZ	comp=Z,20nm,1.6s		LR	LR
QIZ	comp=Z,440nm,23.7s		LR	LR
QIZ	comp=Z,470nm,18.6s		LR	LR
QIZ QIZ	80.89 73	PFAKE	LR	23 17 50.0 +8.6
KSRS Korea Array	80.90 48	P	P	23 17 42.0 +0.9
KSRS	comp=Z,9.1nm,0.8s,baz=314,slow=4.7,SNR=32		PP	PP
KSRS	comp=Z,0.8nm,0.4s,baz=319,slow=7.0,SNR=4.2		LR	LR
346A Big Creek Wild	81.06 303	P	P	23 17 41.5 -0.7
X40A Basin Creek Fa	81.11 308	eP	P	23 17 42.5 +0.1

26d 1h

Table of astronomical observations for 26 days and 1 hour, listing stations like ZALV, NRIK, NVS, MK01, etc., with columns for station name, coordinates, and observation data.

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Table of astronomical observations for October 2012, listing stations like ZEI, KIV, KBZ, NEY, GNI, NB2, etc., with columns for station name, coordinates, and observation data.

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Table of astronomical observations for 1208, listing stations like JAMN, JTAJ, JAM, etc., with columns for station name, coordinates, and observation data.

ROM 26 01:04:19.9:0.0,39:884N,0:003:16:019E:0:004, h8km,ML2,2/16,Southern Italy

Table of astronomical observations for ROM 26 01:04:19.9:0.0,39:884N,0:003:16:019E:0:004, listing stations like MMN, T0701, T0702, etc., with columns for station name, coordinates, and observation data.

ROM 26 00:42:17.8:0.1,39:922N,0:004:15:998E:0:004, h8km,Md1.5/4,Southern Italy

Table of astronomical observations for ROM 26 00:42:17.8:0.1,39:922N,0:004:15:998E:0:004, listing stations like MMN, T0701, T0702, etc., with columns for station name, coordinates, and observation data.

JMA 26 00:42:23.9:0.1,28:74N:128:53E, h16km,2km, M3.4 IDC 26 00:42:30.9:1.6,28:54N:128:50E, h51km,18km, mb3.6/8, mb1.3/8/10, mb1mx3.6/41, mbtmp3.9/10, ML3.2/2, MS3.4/4, Ms1.3/4/4, ms1mx2.9/41, Error ellipse: s-maj=28.0km, s-min=10.4km az=92.0

ISC 26 00:42:24.5:1.7,28:66N:0:004:128:61E:0:006, h2km,12km, n24, c1945/26, mb3.9/7, Ryukyu Islands

26d 1h

Table with columns: MCEL, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Monticello, Sala Consilina, Celico, Miglionico, Civita di Ruta, Mormanno, Viggianello, Castrocucco, Acquaformosa, Schirico, Oriolo Calabro, Montesano sul Matese, Morigerati, Bulgheria - Ca, Sala Consilina, Germi, Nakhchivan.

ROM 26 01:31:16.7±0.1, 39.904N, 0°00'4.15987E, 0°00'08.0008, h6km, ML1.9/13, Southern Italy

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MMN, MNM, T0701, CUC, T0702, SCHR, ORI, MTSN, MGR, MCEL, BULG, SLCN.

2012 OCT

Table with columns: SLCN, CRAC, MIGL, TIP, SERS, MCRV, AMUR, GRI, MSCL, Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Craco, Miglionico, Timpagrande, Sersale, Calabria - M, Altamura, Girifalco, Scilla.

ISCJB 26 01:33:27.4±0.9, 24.7N, 0°2'14.1"E±0.2, h250km, mb3.5/7, Error ellipse: s-maj=24.1km s-min=21.7km az=155.2, IDC 26 01:33:28.8±7.2, 24.75N, 141.18E, h250km, 7km, mb3.3/7, mb1.3, 6.9, mb1mx3.1/36, mbtrmp3.9/8, MS3.6/1, Ms1.3, 6/1, ms1mx2.5/23, Error ellipse: s-maj=24.0km s-min=16.6km az=100.0

ISC 26 01:33:28.8±0.9, 24.8N, 0°2'14.1"E±0.2, h250km, n9, c075/9, mb3.5/7, Volcano Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KSRS, WRA, ZALV, MKAR, KDAK, ILAR, KBZ, NVAR, PDAR.

AZER 26 01:42:02.7±0.1, 38°30'N, 46°62'E, h9km, ml3.1/22, Error ellipse: s-maj=4.0km s-min=0.9km az=25.0, TEH 26 01:42:04.7, 38°38'N, 46°72'E, h6km, ML3.0, ISC 26 01:42:05.0±1.2, 38.39N, 0°03'46.72"E±0.02, h2km±1km, n40, c176/62, 16C-25D, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IHSH, ITBZ, IBST, IBST, ORD, IMRD, ISHB, IAZR, IAZR, ISRB, GRMI, NAX.

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Table with columns: LRK, SBZ, GLBA, ASTR, LKRN, LKRN, MAKU, HYR, SAAT, ZRD, GANJ, GANJ, ZNKJ, GDB, IML, IML, QBL, PQL, POL, SEKA, SEKA, QZX, QZX, XNQ, DDFL, SIZA, DGRG, ZKTA, QUBA, QUBA, QSAR, IGZV, IGZV, QABG, TBLG, TBLG, TRLG, GUDG, ONI, Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Shahbuz, Ciliabad, Astar, Lenkeran, Azer, Maku, Hyderabad, Saatyly, Zardab, Ganja, Zanjari, GEDABAY, Ismayilli, Gabala, Pirkuli, Sheki, Qazax, Azerbaj, Khinaliq, Dedofistskaro, Siyaz, David-gareji, Zakatala, Quba, Qusar, Ghazvin, Abgarim-Qazvin, Delisi, Trialta, Gudaauri, Oni.

MEX 26 01:42:55.6±0.4, 13°97'N, 93°19'W, h10km±86km, MD3.5, Off coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PCIG, PCIG, CCGI, TGIG, TGIG.

NDI 26 01:50:23.7±3.6, 24°13'N, 92°97'E, h26km, 14km, ML3.8, ISCJB 26 01:50:24.8±0.5, 24°16'N, 0°03'92.94"E±0.05, h52km, 8km, mb3.8/4, MS3.5/1, Error ellipse: s-maj=7.8km s-min=4.5km az=14.3, IDC 26 01:50:26.2±2.9, 24°18'N, 92°88'E, h44km, 30km, mb3.6/4, mb1.3, 9.5, mb1mx3.3/45, mbtrmp3.8/5, ML3.9/1, MS3.5/1, Ms1.3, 5/1, ms1mx2.6/34, Error ellipse: s-maj=22.6km s-min=21.6km az=35.0

ISC 26 01:50:26.1±1.0, 24°17'N, 0°04'92.83"E±0.04, h47km, 12km, n22, c188/32, mb3.8/4, India-Bangladesh border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SILR, IMP, IMP, AGT, BELO, SHL, SHL, SAIH, SAIH, BRDH, BRDH, KOHI, KOHI, GUWA, GUWA, TEZP, TEZP, MOKO, MOKO, TURI, TURI, ITAN, ZIRO, ZIRO, CMAR, THW, SONMI.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VTS Vitosha, TCR Carcaiu, CFR Stip, etc.

NDI 26 04:10:53.5.2.1, 30.18N, 79.61E, h10km, ML3.5, Western Xizang-India border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JOSI Joshimath, DDI Dehra Dun, SMLA Simla, etc.

IDC 26 04:15:27.4.0.6, 57.74S, 24.64W, h0km, mb4.4/10, mb1.4/4.1, mb1mx4.3/2, mbtmp4.4/11, ML2.4/1, MS3.7/12, MS1.3/6/12, ms1mx3.5/19, Error ellipse: s-maj=22.3km, s-min=16.7km, az=54.0

ISCJB 26 04:15:29.8.0.4, 57.87S, 0.07:24.7W:0.2, h24km, mb4.5/17, MS3.7/10, Error ellipse: s-maj=13.0km, s-min=8.0km, az=151.5

NEIC 26 04:15:34.0.0.4, 57.79S, 24.71W, h35km, mb4.6/9, Error ellipse: s-maj=14.2km, s-min=12.5km, az=52.0

ISC 26 04:15:31.7.0.5, 57.83S, 0.09:24.7W:0.1, h24km, n50, e15/18/39, mb4.6/17, MS3.7/10, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VN1 Neumayer-Stamp, VN3 Neumayer-Olymp, VN2 Neumayer-Watz, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SDV Santo Domingo, TAM Tamarrasset, OUZ Ouz, etc.

ISCJB 26 04:24:27.8.0.2, 17.91S, 0.07:178.61W:0.05, h579km, mb4.4/125, Error ellipse: s-maj=9.9km, s-min=3.5km, az=150.9

MOS 26 04:24:28.6.1.3, 17.49S, 178.67W, h564km, mb4.5/20, Error ellipse: s-maj=17.3km, s-min=10.4km, az=45.9

IDC 26 04:24:28.0.1.1, 18.03S, 178.48W, h576km, 13km, mb3.7/17, mb1.3/9.19, mb1mx3.9/25, mbtmp4.6/19, Error ellipse: s-maj=15.1km, s-min=9.1km, az=138.0

NEIC 26 04:24:29.0.0.5, 17.76S, 178.67W, h579km, 6km, mb4.5/99, Error ellipse: s-maj=11.5km, s-min=3.3km, az=152.0

ISC 26 04:24:28.6.0.4, 17.94S, 0.08:178.51W:0.07, h579km, n435, e08/82/443, mb4.5/125, 43C-10D, Fiji Islands region

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MAJO Matushiro, PETK Petrolovski, KSRS Korea Array, etc.

26d 4h

Table with columns: SHPR, Sheep Range, 80.63, 47, eP, P, 04 35 43.1 +1.0, etc. Lists various stations and their associated data.

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Table with columns: TXAR, Lajitas Array, 86.09, 58, P, P, 04 36 10.4 +1.2, etc. Lists various stations and their associated data.

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Table with columns: KWP, Kalwaria Pacla, 144.06, 336, ePKP, PKPbc, 04 42 57.7 -0.7, etc. Lists various stations and their associated data.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FUORNI, TUE, UPM, etc.

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

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ILAR, EIELSON ARR, etc.

MEX 26 04:41:29.8:0.4, 18.09N:103.47W, h28km, i103km, MD3.6, Near coast of Michoacan

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

IDC 26 04:42:28.4:1.0, 24.74N:96.11E, h0km, mb3.8/8, mb1 3.9/8, mb1mx3.6/44, mbtmp3.8/8, MS2.7/1, Ms1 2.9/1, ms1mx2.5/40, Error ellipse: s-maj=44.1km s-min=21.0km az=56.0

ISCJB 26 04:42:29.6:0.5, 25.04N:0.05:96.50E:0.05, h21km, mb3.1/1, Error ellipse: s-maj=8.0km s-min=5.5km az=32.7

NEIC 26 04:42:30.5:0.4, 24.87N:96.12E, h10km, mb4.0/3, Error ellipse: s-maj=21.5km s-min=7.7km az=60.0

NDI 26 04:42:31.1:2.1, 25.01N:96.55E, h10km, ML3.3

ISC 26 04:42:32.0:0.8, 25.02N:0.06:96.42E:0.07, h21km, n35, e161/40, mb3.7/11, Myanmar

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

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

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

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

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

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

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BR13, PKI, etc.

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

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

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

ISC 26 04:48:38.9:0.5, 17.65S:0.1x178.51W:0.09, h547km, n43, e162/47, mb4.1/21, Fiji Islands region

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

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

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like STKA, WB2, etc.

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

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

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

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

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WVOR, X16A, etc.

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ILI, TX31, etc.

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

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

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VNA1, BR13, etc.

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

ISC 26 05:23:22.1:0.4, 37.21N:0.04:71.94E:0.06, h142km, mb3.4/8, Error ellipse: s-maj=6.9km s-min=4.4km az=154.8

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

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AAK, KK31, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KK31, TKM2, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TKM2, GEYT, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GEYT, GYA0B, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GYA0B, MKAR, etc.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

JMA 26 04:54:17.6:0.3, 28.75N:128.53E, h12km, i4km, M3.2

ISCJB 26 04:54:18.8:1.5, 28.76N:0.04:128.6E:0.1, h28km, i12km, mb3.5/6, MS3.2/5, Error ellipse: s-maj=16.2km s-min=9.2km az=85.0

IDC 26 04:54:23.8:2.0, 28.59N:128.53E, h58km, i21km, mb3.2/5, mb1 3.4/7, mb1mx3.3/31, mbtmp3.5/7, ML3.5/2, MS3.3/7, Ms1 3.3/7, ms1mx3.0/22, Error ellipse: s-maj=33.7km s-min=15.6km az=85.0

ISC 26 04:54:17.9:1.7, 28.79N:0.04:128.71E:0.07, h12km, i11km, n21, e183/21, mb3.6/6, MS3.1/5, Ryukyu Islands

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

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

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

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

ROM 26 05:49:24.0:0.1, 39.882N:0.003x16.003E:0.005, h8km, ML2.4/14, Southern Italy

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like T0701, T0701, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like T0701, T0701, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like T0701, T0701, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like T0702, T0702, etc.

Table with columns: CUC, comp=N, AML, AML, P, Pg, Sg, S, AML, Time, Res, etc. Includes stations like San Lorenzo Be, Monte Sirino, S. Chirico Rap, Morigerati, Montesano sul, Bulgheria - Ca, Sala Consilina, CAROLEI, Morigerati, Civita di Ruta, CAROLEI.

ROM 26 05:50:00.1-0.1, 39°07'N, 0°00'4+16°59'E:0.02, h11km, ML2.0/2, Southern Italy

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Op, ISC, Time, Res, etc. Includes stations like Sersale, Timpagrande, Giralfo, Celico, CAROLEI.

ROM 26 05:52:28.4-0.1, 39°89'N, 0°00'4+16°01'E:0.005, h9km, ML2.3/5, Southern Italy

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Op, ISC, Time, Res, etc. Includes stations like Mormanno, Viggiannello P, Castrocucco, S. Chirico Rap, Monte Sirino, Morigerati, Bulgheria - Ca, Sala Consilina, Morigerati, Montesano sul, Bulgheria - Ca, Sala Consilina.

ROM 26 05:52:58.4-0.0, 39°30'N, 0°00'3+15°95'E:0.005, h8km, ML1.9/2, Southern Italy

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Op, ISC, Time, Res, etc. Includes stations like Mormanno, Castrocucco, Morigerati, Bulgheria - Ca, Sala Consilina.

Table with columns: CUC, comp=N, AML, AML, T0702, T0702, T0702, T0702, SIRI, SIRI, SALB, SALB, CET2, CET2, MGR, MGR. Includes stations like Acquaforma, Monte Sirino, San Lorenzo Be, Cetraro, Morigerati.

PDA 26 06:25:05.6-1.1, 39°37'N, 29°33'W, h7km, 1.6km, MD3.6, ML2.9, Error ellipse: s-maj=8.9km s-min=3.5km az=26.0, Azores Islands

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Op, ISC, Time, Res, etc. Includes stations like FLORES T-PHASE, Cedros, CALA, Horta, Candalaria, Rosais, Graciosa, Manadas.

IDC 26 06:28:41.2-0.5, 0°37'S: 132°86'E, h0km, mb4.5/17, mb1 4.6/19, mb1mx4.5/36, mbtmp4.5/19, ML4.9/2, MS3.6/18, Ms1 3.6/18, ms1mx3.4/40, Error ellipse: s-maj=12.3km s-min=1.1km az=100.0

Bu 26 06:28:42.0-0.7, 0°84'S: 133°23'E, h44km, mb4.8/37, mB5.1/24, Ms4.6/10, Ms7.4/312, DJA 26 06:28:43.8-0.8, 0°S: 3°13'3E, h17km, 5km, M4.9/32, mb4.9/32, mb5.3/13, MLV5.2/12, Mw(mB)4.7/13, ISCJB 26 06:28:44.2-0.2, 0°35'S: 0°02', 132°93'E:0.03, h32km, mb4.6/72, MS3.8/17, Error ellipse: s-maj=4.2km s-min=3.2km az=176.0

MOS 26 06:28:45.9-1.0, 0°36'S: 132°82'E, h47km, mb4.9/22, Error ellipse: s-maj=1.1km s-min=7.0km az=110.5, NEIC 26 06:28:47.8-0.8, 0°40'S: 132°88'E, h47km, 7km, mb4.7/47, Error ellipse: s-maj=6.9km s-min=3.6km az=82.0

ISC 26 06:28:46.0-0.3, 0°34'S: 0°4', 132°89'E:0.05, h20km, n225, 18.5/228, mb4.8/72, MS3.7/17, 2C, Irian Jaya region

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Op, ISC, Time, Res, etc. Includes stations like Sorong, Fak Fak, Kaimana, Banda, Ternate, Ampama, Kakadu, Manton Dam, Manton Dam, Saumlaki, Saumlaki, Jayapura, Luwuk, Davao City, Davao City, MRSI, Ampama, Kakadu, MTN, MTN, SOEI, SOEI, MPSI, MPSI, TTSI, TTSI, BATI, BATI, BATI, BATI, MMR, MMR, SPSI, SPSI, BKSI, BKSI, EDFI, EDFI, MYLDI, MYLDI, SMKI, SMKI, KNRA, KNRA, WBSI, WBSI, COEN, COEN, PLAI, PLAI, KKM, KKM.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

NIED 26 06:34:00.35:50N:141:10E, h44km, Mw4.2 Best double couple: M2:27000:1015 NP1:175:00000:817:00000...
ISCJB 26 06:34:32.5:0.4:35.51N:140:03:141:15E:0:05, h33km, mb4.0/2.3, Erupt ellipse: s-maj=6.3km s-min=4.6km az=171.1

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

26 8h

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res. Includes stations like KSRS, USRK, ENH, H11N2, etc.

MEX 26 06:43:37.1±0.6, 16.23N-96.06W, h10km±6km, MD3.9, Oaxaca. Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res.

IDC 26 06:46:56.1±5.0, 39.38N-110.63E, h0km, mb3.7/4, mb1 3.9/5, mb1mx3.5/4.7, mbtmp3.8/5, MS3.2/1, Ms1 3.2/1, ms1mx2.5/4.4, Error ellipse: s-maj=107.4km s-min=23.5km az=85.0, Western Nei Mongol. Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res.

IDC 26 06:52:37.7±8.7, 0.07S:133.06E, h0km, mb3.8/2, mb1 3.9/3, mb1mx3.4/4.1, mbtmp3.7/3, ML3.6/1, Error ellipse: s-maj=135.1km s-min=30.0km az=8.0. Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res.

ROM 26 06:56:41.9±0.1, 39.893N-0.004-16.015E±0.007, h8km, ML2.2/5, Southern Italy. Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res.

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Main table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res. Includes stations like T0702, T0702, T0702, CUC, CUC, CUC, etc.

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Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res. Includes stations like T0702, SALB, SALB, SALB, SALB, etc.

PDA 26 07:03:41.1±1.3, 39.30N-29.97W, h8km±10km, MD3.7, ML2.9, Error ellipse: s-maj=17.6km s-min=2.8km az=29.0, Azores Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res. Includes stations like H07S1, H07N1, PCED, PCED, etc.

IDC 26 07:45:24.7±6.8, 50.88N-133.61E, h0km, mb1 2.4/1, mb1mx2.4/4, mbtmp2.4/1, ML2.3/1, Error ellipse: s-maj=119.9km s-min=41.2km az=128.0, Southeastern Siberia

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res. Includes stations like KLR, KLR, I45RU, I44RU, I30JP, etc.

NNC 26 07:53:18.1±2.0, 54.30N-86.58E, h0km, mb3.7, mpv3.5, 5C-5D, Error ellipse: s-maj=31.1km s-min=9.7km az=172.0, Suspected Mining explosion., Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res. Includes stations like ZAA0, ZAA0, KURK, KURB, KURBB, etc.

IDC 26 07:57:49.0±9.9, 51.15N-114.35E, h0km, Error ellipse: s-maj=711.9km s-min=196.7km az=103.0, East of Lake Baykal

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res. Includes stations like I45RU, I30JP, I44RU, etc.

IDC 26 08:28:01.6±1.4, 7.35N-76.68W, h0km, mb3.4/1, mb1 3.8/2, mb1mx3.4/2.5, mbtmp3.8/2, ML3.2/1, Error ellipse: s-maj=60.5km s-min=38.7km az=11.0

ISCJ 26 08:28:16.5±0.7, 6.84N-0.04:73.11W±0.04, h153km±5km, Error ellipse: s-maj=7.2km s-min=6.1km az=17.3

RSNC 26 08:28:16.5±0.9, 6.81N-73.13W, h150km±4km, ML3.7, Mw4.0

ISC 26 08:28:16.7±1.2, 6.82N-0.04:73.12W±0.05, h147km±7km, n29, c092/40, 2C-2D, Northern Colombia

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res. Includes stations like BARC, BARC, BARC, GIRC, GIRC, etc.

Table with columns: ZARC, ZARC, comp=N,511nm,0.5s, AGZ, CHIC, CHIC, ROSC, ROSC, HELC, HELC, GUYC, GUYC, RREF, RREF, DBBC, DBBC, SDV, SDV, ANIL, ANIL, PRAC, PRAC, PLMC, PLMC, YOTC, YOTC, SMRC, SMRC, HORO, HORO, POPC, POPC, FLOC, FLOC, GCUF, GCUF, TORO, TORO, ASAR, ASAR, WRA, WRA

GUC 26 08:31:12.5:0.5,31.84S:71.97W,h21km,4km,ML3.5
SJA 26 08:31:12.3:0.8,31.91S:72.22W,h17km,7km,ML3.3,
MW3.6

ISC 26 08:31:12.9:2.4,31.82S:0.03:71.99W:0.10,h5km,13km,
n16,r154/28,1C,1D,Near coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, CMCH, CMCH, ROCH, ROCH, ROCH, ROCH, ROCI, ROCI, POC1, POC1, PEL, PEL, G004, G004, CLCH, CLCH, LSCH, LSCH, AUSP, AUSP, RTLS, RTLS, LMEL, LMEL, AROD, AROD, ARCO, ARCO, ASAL, ASAL, ACCO, ACCO, ADCV, ADCV, AMOG, AMOG

MEX 26 08:40:56.1:0.4,14.29N:92.62W,h185km,12km,MD3.8,
Near coast of Chiapas

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

GCMT 26 08:42:43.2:0.6,18.14N:103.63W,0.04,h23km,1km,
MW4.8/63, Moment Tensor Solution. s30,c33; s63,c83;
Duration: 0 Moment tensor: Scale 10^16Nm; M12,0.6;16;
M11,1.5;10; M33,0.4;10; M31,0.95;12; M32,0.82;06;
M21,0.67;14; Best double couple: M12,34600*10^16
Np1,122,00000; s60,00000; i33,00000; Np2:
c2,295,00000; i33,00000; s85,00000; Principal axes: T
2.3720,Plg75,0000; Azm40,0000; N -0.0480.
Plg3,0000; Azm300,0000; P -2.3200,Plg15,0000.
Azm209,0000; nstai refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function

MEX 26 08:42:43.2:1.5,18.25N:103.61W,h7km,20km,MD4.8
NEIC 26 08:42:43.2:0.0,18.25N:103.61W,h7km,mb4.6/211,
MD4.8(MEX),After MEX.

ISC 26 08:42:47.0:2.6,18.35N:103.47W,h53km,21km,mb4.2/15,
mb1.4/21,mb1mx4.2/37,mbtp4.4/21,ML3.6/6,MS3.9/18,
Ms1.3/18,ms1mx3.7/39,Error ellipse: s-maj=25.4km
s-min=12.3km az=47.0

ISCJB 26 08:42:47.0:2.6,18.51N:104.103:27W:0.02,h72km,4km,
mb4.6/157,Error ellipse: s-maj=6.7km s-min=3.0km
az=13.2

ISC 26 08:42:42.6:0.5,18.30N:104.103:58W:0.04,h20km,2km,
n622,r1571/610,mb4.7/160,MS4.0/12,1D,Near coast of
Michoacan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, MMIG, MMIG, MMIG, MMIG, R15V, R15V, EZSV, EZSV, CJM, CJM, CJM, CJM, ZIJU, ZIJU, ZIJU, ZIJU, MOIG, MOIG, MOIG, MOIG, ARIG, ARIG, ARIG, ARIG, CAIG, CAIG, CAIG, CAIG, JRQG, JRQG, PLIG, PLIG, PLIG, PLIG, UNM, UNM, UNM, UNM, UNM, UNM, UNM, UNM, UNM, UNM, DEIG, DEIG, DEIG, DEIG

Main table with columns: DEIG, TLIG, TLIG, TLIG, PNIQ, PNIQ, MAIG, MAIG, MAIG, MAIG, VHO, VHO, VHO, VHO, H06E1, H06E1, H06E1, H06E1, LNIG, LNIG, SLBS, SLBS, CMIG, CMIG, CMIG, CMIG, LPIG, LPIG, HPIG, HPIG, 833A, 833A, LTX, LTX, TXAR, TXAR, TXAR, TXAR, CCIG, CCIG, JCT, JCT, JCT, JCT, APG, APG, APG, APG, MNTX, MNTX, MNTX, MNTX, 435B, 435B, HKT, HKT, EPT, EPT, GDLZ, GDLZ, 319A, 319A, 121A, 121A, ABTX, ABTX, ABTX, ABTX, WHTX, WHTX, WHTX, WHTX, TUC, TUC, TUC, TUC, MSTX, MSTX, MSTX, MSTX, NATX, NATX, NATX, NATX, 214A, 214A, 214A, 214A, BNM, BNM, 341A, 341A, 341A, 341A, LPM, LPM, 240A, 240A, 240A, 240A, LAZ, LAZ, 342A, 342A, 342A, 342A, AMTX, AMTX, AMTX, AMTX, 241A, 241A, ANMO, ANMO, ANMO, ANMO, ANMO, ANMO, 140A, 140A, 140A, 140A, WMOK, WMOK, 113A, 113A, X18A, X18A, 242A, 242A, 240A, 240A, X16A, X16A, Y14A, Y14A, Z41A, Z41A, Z41A, Z41A, X37A, X37A, GLA, GLA, 446A, 446A, 244A, 244A, 143A, 143A, 143A, 143A, Y40A, Y40A, IKP, IKP, X39A, X39A, Y12C, Y12C, Y12C, Y12C, SWSC, SWSC, Y41A, Y41A

Table with columns: 447A, 447A, U32A, U32A, MIAR, MIAR, MIAR, MIAR, WUAZ, WUAZ, WUAZ, WUAZ, PDMCI, PDMCI, BAR, BAR, MONP2, MONP2, BC3, BC3, X40A, X40A, X40A, X40A, T25A, T25A, T25A, T25A, 145A, 145A, TUL1, TUL1, 347A, 347A, IRM, IRM, X41A, X41A, 109C, 109C, CPE, CPE, W39A, W39A, W39A, W39A, W13A, W13A, FRD, FRD, XPFO, XPFO, PFO, PFO, PFO, PFO, BELC, BELC, UALR, UALR, 247A, 247A, W40A, W40A, W40A, W40A, MVCO, MVCO, MVCO, MVCO, 146A, 146A, SDCO, SDCO, SDCO, SDCO, Z45A, Z45A, Z45A, Z45A, MURC, MURC, V39A, V39A, S22A, S22A, S22A, S22A, W41B, W41B, W41B, W41B, LDFC, LDFC, GMRC, GMRC, U15A, U15A, Y44A, Y44A, WHAR, WHAR, JTS, JTS, JTS, JTS, X39A, X39A, X43A, X43A, X43A, X43A, 147A, 147A, 147A, 147A, V40A, V40A, V40A, V40A, HEC, HEC, W42A, W42A, U39A, U39A, V41A, V41A, 249A, 249A, PV01, PV01, BFSC, BFSC, TUQ, TUQ, 148A, 148A, PV05, PV05, PV13, PV13, U40A, U40A, PV02, PV02, KNB, KNB, Z47A, Z47A, 350A, 350A, Y46A, Y46A, T38A, T38A, PV03, PV03, PV18, PV18, MWC, MWC

PV11	David Mesa, Pa	20.46 348 eP	Pn	08 47 20.8 -0.5
PV12	Saucer Basin,	20.46 348 eP	P	08 47 19.5 +0.3
PV16	Nyswonger Mesa	20.48 348 eP	P	08 47 20.1 +0.7
LCMT	Little Creek M	20.49 337 eP	Pn	08 47 20.9 -0.8
PV19	Morning Glory	20.49 348 eP	P	08 47 20.5 +1.0
PASC	Pasadena Art C	20.49 323 eP	Pn	08 47 21.7 +0.2
OXF	Oxford	20.50 35 eP	P	08 47 18.8 -0.6
V42A	Cord	20.51 29 P	P	08 47 17.8 -1.7
PV20	West Nyswonger	20.52 348 eP	Pn	08 47 20.2 +0.4
PKCU	Pink Cliffs	20.56 340 eP	P	08 47 22.6 0.0
PV14	Lion Creek, Pa	20.56 348 eP	P	08 47 21.1 +0.8
PV10	Paradox Valley	20.57 348 eP	P	08 47 20.0 -0.4
GSC	Goldstone, Bar	20.61 328 eP	Pn	08 47 23.2 +0.2
GSC	Goldstone, Bar	20.61 328 P	Pn	08 47 22.8 -0.2
DECO	Green Verdugo	20.64 323 P	Pn	08 47 23.6 +0.3
Q24A	Divide	20.64 357 eP	Pn	08 47 22.9 -0.7
Q24A	Divide	20.64 357 P	P	08 47 20.7 -0.5
KSC0	Kaye Shedlock'	20.66 2 P	P	08 47 20.8 -0.4
PV22	Blue Mesa, Par	20.67 348 eP	P	08 47 21.7 +0.3
PV09	Paradox Valley	20.70 348 eP	P	08 47 22.3 +0.4
T39A	Clever	20.70 24 P	P	08 47 19.8 -1.8
CBKS	Cedar Bluff	20.72 9 eP	P	08 47 20.8 -0.9
CBKS	Cedar Bluff	20.72 9 P	P	08 47 19.9 -1.8
U41A	Viola	20.72 27 P	P	08 47 20.0 -1.8
250A	Grady	20.73 46 eP	P	08 47 20.7 -1.2
250A	Grady	20.73 46 P	P	08 47 20.3 -1.6
PV21	Cone Mtn., Par	20.73 348 eP	P	08 47 22.6 +0.4
149A	Jones	20.76 43 P	P	08 47 20.5 -1.7
351A	Pinckard	20.78 48 P	P	08 47 20.9 -1.6
Z48A	Northport	20.78 41 P	P	08 47 20.3 -2.1
SHPR	Sheep Range	20.82 333 eP	Pn	08 47 24.5 -1.0
SHOC	Shoshone, Teco	20.82 330 P	Pn	08 47 24.8 -0.6
LRAL	Lakeview Retre	20.91 42 eP	P	08 47 22.8 -1.0
LRAL	Lakeview Retre	20.91 42 P	P	08 47 22.5 -1.3
EDW2	Edwards Air Fo	20.91 325 P	Pn	08 47 25.5 -0.9
SZCU	Shurtz Canyon	20.96 338 eP	Pn	08 47 27.3 +0.1
Y47A	UCPARR, Winfie	20.96 39 P	P	08 47 23.4 -1.0
X46A	Boonville	21.00 37 P	P	08 47 23.7 -1.0
CCUT	Cedar City	21.01 338 eP	P	08 47 26.4 +1.2
SMCO	Snowmass	21.02 353 eP	P	08 47 25.9 +0.6
U42A	Revendon	21.03 29 P	P	08 47 23.8 -1.3
S38A	Stockton	21.05 22 P	P	08 47 23.3 -2.0
MTPU	Mount Pierson	21.06 341 eP	P	08 47 26.5 +0.7
W45A	Hickory Valley	21.11 34 P	P	08 47 24.5 -1.4
T40A	Mansfield	21.15 25 P	P	08 47 24.9 -1.6
LRMC	Laurel Mtn Rad	21.20 327 P	P	08 47 28.8 +1.7
150A	Eclectic	21.27 45 P	P	08 47 25.9 -1.8
Z49A	Columbiana	21.31 43 P	P	08 47 26.2 -1.9
S39A	Bolivar	21.31 23 eP	P	08 47 26.9 -1.2
S39A	Bolivar	21.31 23 P	P	08 47 25.9 -2.3
352A	Blakely	21.38 49 eP	P	08 47 27.9 -1.0
352A	Blakely	21.38 49 P	P	08 47 27.1 -1.7
T41A	Mountain View	21.38 27 P	P	08 47 26.8 -2.0
Y48A	Jasper	21.38 40 P	P	08 47 27.1 -1.8
251A	Midway	21.38 47 P	P	08 47 26.2 -2.7
X47A	Russelville	21.39 38 P	P	08 47 27.2 -1.8
453A	Whigham	21.48 51 eP	P	08 47 29.1 -0.9
MSU	Marysville	21.49 341 eP	P	08 47 31.1 +0.7
ISCO	Idaho Springs	21.50 356 eP	P	08 47 33.0 +2.5
W46A	Michie	21.53 36 P	P	08 47 38.3 -2.2
MPMC	Manual Prospec	21.55 328 P	P	08 47 32.3 +1.4
ARVC	Arvin	21.55 324 P	P	08 47 31.5 +0.8
FURC	Furnace Creek,	21.56 330 P	P	08 47 30.1 -0.6
PLAL	Pickwick Lake	21.59 37 eP	P	08 47 29.8 -1.4
KSU1	Kansas State U	21.60 15 eP	P	08 47 31.6 +0.4
T42A	Van Buren	21.66 28 eP	P	08 47 30.5 -1.3
T42A	Van Buren	21.66 28 P	P	08 47 30.0 -1.8
TPNV	Topopah Spring	21.67 332 eP	P	08 47 34.3 +2.1
TPNV	Topopah Spring	21.67 332 P	P	08 47 33.7 +1.6
151A	Opeika	21.70 46 P	P	08 47 29.9 -2.4
Z50A	Ashland	21.74 43 eP	P	08 47 31.2 -1.5
Z50A	Ashland	21.74 43 P	P	08 47 31.0 -1.8
PBMO	Poplar Bluff	21.75 30 eP	P	08 47 32.2 -0.6
ISA	Isabella, Lake	21.75 326 eP	P	08 47 35.3 +2.4
ISA	Isabella, Lake	21.75 326 P	P	08 47 35.0 +2.0
DAC	Darwin (Calif)	21.77 328 eP	P	08 47 35.4 +2.1
252A	Lumpkin	21.80 48 P	P	08 47 30.6 -2.8
353A	Camilla	21.81 50 P	P	08 47 31.8 -1.8
Y49A	Blount Mountai	21.81 41 eP	P	08 47 32.4 -1.2
Y49A	Blount Mountai	21.81 41 P	P	08 47 31.7 -1.9
X48A	Hartselle	21.82 39 eP	P	08 47 32.2 -1.4
X48A	Hartselle	21.82 39 P	P	08 47 30.8 -2.8
S41A	Jillico Farms,	21.84 26 P	P	08 47 31.6 -2.2
PKM	Mcperson Peak	21.94 322 P	P	08 47 37.4 +2.3
TMUT	Trail Mountain	21.95 344 eP	P	08 47 37.9 +2.6
W47A	Westpoint	22.06 37 P	P	08 47 34.3 -1.9

PSUT	Pine Spring	22.07 338 eP	P	08 47 38.1 +1.7
T43A	Greenville	22.07 29 P	P	08 47 34.6 -1.6
O20A	White River Ci	22.13 350 eP	P	08 47 37.7 +0.6
O20A	White River Ci	22.13 350 P	P	08 47 36.7 -0.5
CWC	Cottonwood Cre	22.14 328 P	P	08 47 38.5 +1.2
555A	McAlpin	22.14 54 eP	P	08 47 35.9 -1.2
V46A	Holiday	22.17 35 P	P	08 47 34.9 -2.4
152A	Waverly Hall	22.19 46 eP	P	08 47 36.0 -1.7
152A	Waverly Hall	22.19 46 P	P	08 47 35.3 -2.3
VES	Vestal, Richgr	22.22 325 P	P	08 47 40.2 +2.4
GRAC	Grapevine Rang	22.23 330 P	P	08 47 39.1 +1.1
Y50A	Piedmont	22.27 42 P	P	08 47 36.4 -2.0
Z51A	Franklin	22.27 44 P	P	08 47 36.7 -1.8
X49A	Woodville	22.30 40 P	P	08 47 36.1 -2.6
SMMC	Simmler	22.35 323 P	P	08 47 41.2 +1.9
W48A	Pulaski	22.36 38 P	P	08 47 37.0 -2.4
S42A	Caledonia	22.40 27 P	P	08 47 37.7 -2.2
CCM	Cathedral Cave	22.45 26 eP	P	08 47 38.7 -1.6
CCM	Cathedral Cave	22.45 26 P	P	08 47 38.2 -2.1
V47A	Nunnely	22.52 36 P	P	08 47 38.8 -2.3
U46A	Springville	22.55 34 P	P	08 47 39.3 -2.1
R11A	Troy Canyon, C	22.56 335 eP	P	08 47 43.1 +1.4
R11A	Troy Canyon, C	22.56 335 P	P	08 47 43.0 +1.2
S43A	Fulton Ridge,	22.56 29 P	P	08 47 39.4 -2.1
WVT	Waverly	22.57 35 eP	P	08 47 39.2 -2.3
WVT	Waverly	22.57 35 P	P	08 47 39.3 -2.3
R41A	Rosebud	22.60 26 P	P	08 47 39.2 -2.7
OGNE	Ogallala	22.61 3 eP	P	08 47 42.6 +0.5
OGNE	Ogallala	22.61 3 P	P	08 47 41.1 -1.0
X50B	Fort Payne	22.69 41 P	P	08 47 40.8 -2.1
Y51A	Rockmart	22.70 43 P	P	08 47 40.9 -2.2
Z52A	Williamson	22.70 46 P	P	08 47 41.0 -2.1
FVM	French Village	22.74 28 eP	P	08 47 41.0 -2.5
W49A	Beldere	22.75 39 P	P	08 47 41.8 -1.8
R42A	Luebbering	22.83 27 P	P	08 47 41.9 -2.5
PHWY	Pilot Hill	22.99 356 eP	P	08 47 45.6 -0.7
SWET	Sewanee	23.01 39 eP	P	08 47 44.4 -1.9
U47A	Clarksville	23.09 35 P	P	08 47 44.7 -2.4
R43A	Red Bud	23.20 28 P	P	08 47 45.5 -2.7
T46A	Princeton	23.22 33 P	P	08 47 45.8 -2.5
Q41A	Truxton	23.22 25 P	P	08 47 45.9 -2.5
DUG	Dugway, Tooele	23.23 342 eP	P	08 47 50.5 +1.8
DUG	Dugway, Tooele	23.23 342 P	P	08 47 49.1 +0.4
X51A	Calhoun	23.25 42 eP	P	08 47 46.8 -1.9
X51A	Calhoun	23.25 42 P	P	08 47 46.3 -2.4
154A	Montrose	23.29 48 P	P	08 47 46.2 -2.9
Z53A	Monticello	23.33 46 P	P	08 47 46.7 -2.9
Y52A	Lilburn	23.34 45 eP	P	08 47 47.5 -2.1
Y52A	Lilburn	23.34 45 P	P	08 47 47.1 -2.6
W50A	Signal Mountai	23.38 40 eP	P	08 47 48.5 -1.6
W50A	Signal Mountai	23.38 40 P	P	08 47 48.1 -1.9
CTU	Camp Tracy	23.40 344 eP	P	08 47 50.2 -0.1
V49A	McMinnville	23.40 38 P	P	08 47 48.1 -2.2
MLAC	Mammoth, Mammo	23.45 328 P	P	08 47 51.2 +0.3
Q42A	Golden Eagle	23.47 26 P	P	08 47 48.5 -2.3
GOGA	Godfrey	23.48 46 eP	P	08 47 48.2 -2.8
GOGA	Godfrey	23.48 46 P	P	08 47 48.0 -3.0
BGNE	Belgrade	23.50 10 eP	P	08 47 49.7 -1.5
OMMB	Old Mammoth Mi	23.52 328 eP	P	08 47 53.4 +1.7
U48A	Cassie Pea, Po	23.56 36 P	P	08 47 49.2 -2.6
MDPB	Dev Postpil	23.57 328 eP	P	08 47 54.0 +1.9
R44A	Waltonville	23.57 30 P	P	08 47 54.6 -2.2
T47A	Sharon Grove	23.59 35 eP	P	08 47 50.4 -1.7
T47A	Sharon Grove	23.59 35 P	P	08 47 50.0 -2.1
Y53A	Monroe	23.66 45 P	P	08 47 50.5 -2.2
W51A	Cleveland	23.70 41 P	P	08 47 50.6 -2.5
NV11	Mina Array Sit	23.75 331 eP	P	08 47 55.0 +1.2
S46A	Don Dixon Farm	23.80 33 P	P	08 47 51.9 -2.1
NV01	Mina Array Sit	23.82 330 eP	P	08 47 56.1 +1.6
NVAR	Mina Array Bra	23.82 330 P	P	08 47 56.5 +2.0
NVAR	Mina Array Bra	23.82 330 P	LR	08 57 23.8
V50A	Pikeville	23.82 40 P	P	08 47 51.7 -2.6
Q43A	New Douglas	23.85 28 P	P	08 47 52.4 -2.1
X52A	Dahlonega	23.90 43 P	P	08 47 52.8 -2.3
P41A	Bar Barry	23.91 24 P	P	08 47 52.5 -2.5
BGU	Big Grassy Mou	23.97 342 eP	P	08 47 56.8 +1.0
R45A	Skyfar, Fairfi	23.99 31 P	P	08 47 53.8 -2.1
U49A	Red Boiling Sp	23.99 37 P	P	08 47 53.9 -2.0
CPCT	Cooper Cave	24.03 41 eP	P	08 47 54.5 -1.8
USIN	University of	24.04 32 eP	P	08 47 54.9 -1.4
T48A	Bowling Green	24.07 35 P	P	08 47 54.3 -2.3
Q44A	Meyer Farm, Va	24.13 29 P	P	08 47 55.1 -2.0
S47A	Hartford	24.17 34 P	P	08 47 55.0 -2.5
W52A	Murphy	24.18 42 eP	P	08 47 56.2 -1.4

W52A	Murphy	24.18 42 P	P	08 47 55.4 -2.3
KVN	Kaiserville	24.23 332 eP	P	08 47 59.7 +1.4
X53A	Estanlee	24.23 44 P	P	08 47 55.9 -2.2
Y54A	Tignall	24.27 46 P	P	08 47 56.4 -2.1
Z55A	Blythe	24.30 48 P	P	08 47 56.5 -2.3
R46A	Gibson Southern	24.30 32 P	P	08 47 56.9 -1.9
O41A	Passleys Farm,	24.36 24 P	P	08 47 56.8 -2.4
V51A	Loudon	24.37 40 eP	P	08 47 57.6 -1.8
V51A	Loudon	24.37 40 P	P	08 47 57.1 -2.3
K22A	Passleys Farm,	24.41 355 P	P	08 47 59.0 -0.9
OLIL	Olney	24.42 30 eP	P	08 47 58.2 -1.7
WAKR	Walker	24.42 329 eP	P	08 48 02.0 +1.9
N39A	Derby Farms, D	24.44 21 eP	P	08 47 58.0 -1.9
N39A	Derby Farms, D	24.44 21 P	P	08 47 57.6 -2.3
U50A	Jamestown	24.47 39 P	P	08 47 58.3 -2.1
P43A	Skaggs, Pawnee	24.51 27 P	P	08 47 59.3 -1.3
Q45A	Warren Harvey,	24.52 30 P	P	08 47 58.6 -2.1
CMB	Columbia Cole	24.55 327 eP	P	08 48 01.9 +0.9
T49A	Edmonton	24.55 37 eP	P	08 47 59.5 -1.5
T49A	Edmonton	24.55 37 P	P	08 47 59.9 -1.1
TKL	Tuckaleechee C	24.63 41 P	P	08 48 00.1 -1.7
TKL	Tuckaleechee C	24.63 41 P	LR	09 00 17.9
TKL	Tuckaleechee C	24.63 41 eP	P	08 48 00.1 -1.7
S48A	Wiedeman Farm,	24.65 35 P	P	08 47 59.6 -2.3
HVU	Hansel Valley	24.69 343 eP	P	08 48 03.7 +1.3
YERR	Yerington	24.70 330 eP	P	08 48 04.2 +1.6
W53A	Cullowhee	24.72 43 P	P	08 48 01.0 -1.7
BG3	Lake Joacesse	24.76 44 eP	P	08 48 01.1 -1.9
V52A	Sevierville	24.86 41 eP	P	08 48 01.7 -2.1
V52A	Sevierville	24.86 41 P	P	08 48 01.6 -2.2
R47A	Woolly Knot Far	24.87 33 P	P	08 48 01.7 -2.2
N41A	Harden Midland	24.88 23 eP	P	08 48 02.5 -1.4
T50A	Nancy	24.89 38 P	P	08 48 01.2 -2.9
BW06	Boulder Array	24.92 350 eP	P	08 48 05.1 +0.5
BW06	Boulder Array	24.		

ISCJB 26 10:06:07.3-0.6,37.04N-0.04-27.63E,0.04,h13km,Error ellipse: s-maj=6.3km s-min=4.7km az=149.3
 DDA 26 10:06:08.3,37.09N-27.57E,h7km,ML2.5,Suspected Mining explosion.
 ISK 26 10:06:08.0,37.09N-27.56E,h9km,2km,ML1.7/6
 ISC 26 10:06:06.0,1.0,36.96N,0.04-27.67E,0.04,h13km,n13,
 #171/17, Dodecanese Islands

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
				h m s	ISC
BDRM	Kayabasi	0.21 301	iP	Pg	10 06 11.0 +0.3
BDRM			iS	Sg	10 06 12.8 -1.0
DAT	Datca	0.24 198	PG	Pn	10 06 15.7 +4.5
DAT	Bozdag	0.24 198	PG	Pn	10 06 15.4 +4.2
BODT	Bodrum	0.30 290	PG	Pn	10 06 12.7 +0.4
BODT			SG	Sg	10 06 16.1 -0.4
MLSB	Milas	0.35 14	PG	Pb	10 06 14.0 -0.1
MLSB			SG	Sg	10 06 18.1 +0.3
YER	Yerkesik	0.52 70	PG	Pn	10 06 19.7 +0.5
NIS1	Nisyros Isl.	0.53 228	PG	Pn	10 06 19.6 +0.3
AYDN	Tasoluk	0.72 13	iP	Pg	10 06 20.4 +0.4
AYDN			iS	Sg	10 06 28.5 -1.0
TURN	Turunc	0.75 96	PG	Pn	10 06 20.6 0.0
TURN			iP	Pb	10 06 20.8 -0.2
GCAM	G?zelcamli?	0.82 335	PG	Pg	10 06 21.6 -0.3
GCAM	G?zelcamli?	0.82 335	iP	Pb	10 06 21.7 -0.1
AYDB	Zeytinokuy-Aydi	1.00 10	PG	Pb	10 06 25.5 +0.2

NNC 26 10:22:45.0,1.2,43.05N-79.76E,h0km,mb3.1,mpv2.7,
 Error ellipse: s-maj=9.8km s-min=5.5km az=71.0
 SOME 26 10:22:46.3,43.15N-79.73E,h15km
 KRNET 26 10:22:46.4,0.1,43.18N-79.74E,h25km,mb3.5
 ISC 26 10:22:46.0,1.1,43.15N,0.04-79.74E,0.03,h12km,8km,
 n34, #0578/64,13C-9D, Lake Issyk-Kul region

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
				h m s	ISC
SHLS	Shalkode	0.20 271	eP	Pg	10 22 50.3 -0.2
SHLS	baz=3.0		eS	Sg	10 22 53.3 -0.3
SHLS	Shalkode	0.20 271	eP	Pg	10 22 50.3 -0.2
SHLS	704nm,0.1s		eS	Sg	10 22 53.2 -0.3
PDGK	Podgornoye	0.26 314	iP	Pg	10 22 51.9 +0.5
PDGK	9.6nm,0.3s		iS	Sg	10 22 56.6 -0.5
PDGK	150nm,0.3s		iP	Pg	10 22 52.2 +0.8
PDGK	Podgornoye	0.26 314	iP	Pg	10 22 52.2 +0.8
PDGK	baz=3.0		iS	Sg	10 22 56.4 -0.7
UZB	Uzynybulak	0.53 270	eP	Pg	10 22 56.3 -0.1
UZB	baz=66		eS	Sg	10 23 04.1 +0.7
UZB	Uzynybulak	0.53 270	eP	Pg	10 22 56.2 -0.1
UZB	18nm,0.1s		eS	Sg	10 23 04.0 +0.7
KTMS	Ketmen	0.53 56	eP	Pg	10 22 55.9 -0.5
KTMS	128nm,0.1s		eS	Sg	10 23 03.2 -0.4
KPKS	Kokpek	0.83 292	eP	Pg	10 23 01.7 -0.4
KPKS	baz=89		eS	Sg	10 23 12.9 -0.1
KPKS	Kokpek	0.83 292	eP	Pg	10 23 01.7 -0.4
KPKS	40nm,0.1s		eS	Sg	10 23 12.9 -0.1
ZHN	Zhinishke	0.96 271	eP	Pb	10 23 03.9 -0.7
ZHN	baz=70		eS	Sg	10 23 17.4 +0.5
ZHN	Zhinishke	0.96 271	eP	Pb	10 23 03.9 -0.7
ZHN	34nm,0.1s		eS	Sb	10 23 16.4 -0.8
SATY	Saty	0.98 265	eP	Pb	10 23 04.8 -0.3
SATY	56nm,0.1s		iS	Sg	10 23 18.0 +0.3
DJR	Jarkent	1.18 2	eP	Pn	10 23 07.9 -0.5
DJR	3.9nm,0.1s		eS	Sb	10 23 23.4 -0.3
PRZ	Przheval'sk	1.19 236	iP	Pg	10 23 08.5 -0.2
PRZ	baz=39		iS	Sg	10 23 25.0 +0.5
MNBS	Baschi	1.34 314	eP	Pn	10 23 10.9 +0.2
MNBS	14nm,0.3s		eS	Sb	10 23 28.6 +0.1
ARXS	Arharly	1.75 308	eP	Pb	10 23 17.8 -0.3
ARXS	2.5nm,0.2s		eS	Sb	10 23 40.1 +0.2
KOTS	Kotrybulak	1.92 273	eP	Pb	10 23 21.9 +0.8
KOTS	7.1nm,0.2s		eS	Sg	10 23 47.2 -0.7
MDOK	Medeo	1.97 271	Ph	Pn	10 23 19.9 +0.6
MDOK	2.4nm,0.4s		Sn	Sb	10 23 46.5 0.0
MDOK	29nm,0.8s		Sn	Pb	10 23 21.2 -0.7
MDOK	baz=70		iS	Sg	10 23 45.7 -0.8
MDOK	Medeo	1.97 271	eP	Pb	10 23 21.8 -0.1
MDOK	5.2nm,0.3s		iS	Sb	10 23 47.3 +0.8
TNSS	Tian-Shan	2.05 268	iP	Pb	10 23 22.4 -1.0
TNSS	baz=67		iS	Sg	10 23 48.8 -0.2
TNSS	Tian-Shan	2.05 268	iP	Pb	10 23 22.4 -1.0
TNSS	7.6nm,0.3s		eS	Sb	10 23 48.8 -0.2
CHKK	Chushlyak	2.12 290	eP	Pb	10 23 23.9 -0.5
CHKK	2.2nm,0.2s		iS	Sg	10 23 50.6 -0.1
KAPS	Kapalasaran	2.15 353	eP	Pb	10 23 24.1 -0.8
KAPS	2.1nm,0.2s		eS	Sb	10 23 51.2 -0.4
IZV	Izvestkoviy	2.29 268	eP	Pb	10 23 28.0 +0.6
IZV	12nm,0.2s		eS	Sg	10 23 58.1 -1.7
KTBS	Karabote	3.40 255	eP	Pb	10 23 27.1 -0.3
KTBS	3.0nm,0.2s		eS	Sb	10 23 56.1 +0.3
MTBS	Matibue	2.42 271	eP	Pb	10 23 28.8 -0.8
MTBS	5.8nm,0.2s		eS	Sb	10 23 59.6 +0.2
KUU	Kurdy	2.58 288	eP	Pb	10 23 31.8 -0.5
KUU	2.8nm,0.1s		eS	Sb	10 24 04.4 +0.4
KST	Kastek	2.77 269	eP	Pb	10 23 36.2 +0.7
KST	6.0nm,0.3s		iS	Sb	10 24 11.9 +2.5
DGS	Degeres	2.90 273	eP	Pb	10 23 37.7 0.0
DGS	2.8nm,0.3s		eS	Sb	10 24 14.4 +1.1
TKM2	Tokmak	3.05 267	iP	Pn	10 23 35.9 +1.7
TKM2	2.4nm,0.6s		iL	Lg	10 24 21.9
AAK	Ala-Archa	3.89 264	iP	Pg	10 23 52.5 -2.1
AAK	1.5nm,0.6s		iL	Lg	10 24 46.8

MAK2	Makanchi	3.98 23	iP	Pb	10 23 56.2 +0.1
MAK2	3.7nm,1.1s		iL	Lg	10 24 51.3
MAK2	2.8nm,0.8s		iL	Lg	10 24 51.3
MK31	Makanchi Array	4.07 26	iP	Pg	10 23 59.6 +2.1
MK31	0.3nm,0.3s,baz=208,slow=14,SNR=5.0		iL	Lg	10 24 54.1
MK31	2.8nm,0.7s,baz=210,slow=29,SNR=5.0		iL	Lg	10 24 54.1

ISCJB 26 10:23:25.7-0.5,38.24N-0.02-26.01E,0.04,h11km,4km,
 Error ellipse: s-maj=4.6km s-min=4.1km az=0.9
 THE 26 10:23:25.7,38.26N-25.98E,h12km,1km,ML2.3/7,Error
 ellipse: s-maj=2.9km s-min=0.9km az=82.0
 ATH 26 10:23:25.0,38.27N-26.05E,h28km,2km,ML2.5/4,Error
 ellipse: s-maj=3.4km s-min=1.2km az=45.0
 ISK 26 10:23:25.2,38.23N-26.00E,h10km,ML2.8/5
 ISC 26 10:23:25.4-0.8,38.25N-0.02-26.01E,0.03,h13km,6km,
 n32, #057149, Aegean Sea

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
				h m s	ISC
CHOS	Chios island	0.15 15	Op	Pg	10 23 29.1 -0.1
CHOS			PG	Pg	10 23 31.7 0.0
CHOS	Chios island	0.15 15	P	Pg	10 23 29.1 -0.1
CHOS	Chios island	0.15 15	P	Pg	10 23 29.1 -0.1
CHOS			P	Pg	10 23 31.4 -0.3
CESE	e me	0.25 69	PG	Pb	10 23 31.0 -0.7
CESE			SG	Sg	10 23 34.7 +0.5
PSRA	Psara	0.46 311	P	Sb	10 23 35.9 +0.6
PSRA			S	Pb	10 23 41.9 -0.1
URLA	Izmir	0.48 76	PG	Sb	10 23 35.3 -0.4
URLA			SG	Sb	10 23 42.3 -0.3
KRBN	Karaburun	0.55 51	PG	Pb	10 23 36.6 -0.3
BLBC	Balcova	0.83 80	PG	Pb	10 23 41.8 +0.2
SMG	Samos	0.85 129	P	Pb	10 23 41.9 -0.1
SMG			S	Sb	10 23 54.1 +0.9
SMG	comp=E,944um,0.4s		AML	AML	10 23 55.6
SMG	comp=N,861um,0.3s		AML	AML	10 23 55.6
SMG	Tinos	0.85 129	P	Pb	10 23 42.0 0.0
SMG			S	Sn	10 23 54.6 -0.7
TNSA	Tinos	0.97 224	P	Pb	10 23 45.3 +0.7
SIGR	SIGRI	0.97 353	PG	Pb	10 23 43.9 -0.2
SIGR	SIGRI	0.97 353	P	Pb	10 23 43.9 -0.2
SIGR			S	Sg	10 23 56.2 -0.7
SIGR	comp=N,476um,0.5s		AML	AML	10 24 02.4
SIGR	comp=E,966um,0.6s		AML	AML	10 24 03.4
SIGR	SIGRI	0.97 353	P	Pb	10 23 43.9 -0.2
SIGR			S	Sb	10 23 57.0 +0.2
PRK	Paraskevi	1.02 12	P	Sb	10 23 44.9 -0.4
PRK			S	Sb	10 23 58.3 +0.1
PRK	comp=N,302um,0.3s		AML	AML	10 24 04.0
PRK	Paraskevi	1.02 12	P	Sb	10 23 45.0 -0.4
PRK			Pn	Pn	10 23 59.0 -0.6
DKL	Dikili	1.08 40	PN	Pn	10 23 47.0 +0.7
GCAM	G?zelcamli?	1.11 119	PN	Pb	10 23 46.2 -0.2
APE	Apeiranthos	1.23 198	PN	Pg	10 23 49.2 +0.1
APE	Apeiranthos	1.23 198	P	Pb	10 23 48.5 0.0
APE	Apeiranthos	1.23 198	P	Pb	10 23 48.5 0.0
APE			S	Sb	10 24 04.0 -0.4
AMGA	Amorgos Island	1.41 184	S	Pn	10 23 54.6 -0.2
AMGA			S	Pn	10 24 09.3 0.0
AMGA	Amorgos Island	1.41 184	P	Sb	10 23 50.8 0.0
AMGA			S	Sb	10 24 09.2 0.0
AYDB	Zeytinokuy-Aydi	1.52 101	PN	Pb	10 23 53.3 -0.1
BODT	Bodrum	1.57 198	PN	Pn	10 23 53.1 +0.1
SERI	Serifos	1.62 229	P	Pb	10 23 54.6 -0.6
SERI			S	Sb	10 24 16.4 +0.9
SERI	Serifos	1.62 229	P	Sb	10 23 54.3 +0.6
SERI			S	Sb	10 24 12.9 -1.5
IOSP	Ios island	1.62 201	P	Sb	10 23 53.9 -0.2
IOSP			S	Sb	10 24 14.2 -0.2
IOSP	comp=E,139um,0.3s		AML	AML	10 24 21.0
IOSP	comp=N,167um,0.3s		AML	AML	10 24 22.7
DAT	Datca	1.96 140	PN	Pn	10 23 58.7 +0.3
KULA	Kula-Manisa	2.10 82	PN	Pn	10 24 01.3 +0.9
GELI	Tayfur-Gelibol	2.18 9	PN	Pn	10 24 02.6 +1.3
KRBG	Karabiga-Canak	2.37 25	PN	Pn	10 24 05.5 +1.6

IDC 26 10:28:44.5-453.0,51.89N-137.85E,h0km,Error ellipse:
 s-maj=168.4km s-min=155.8km az=55.0,Primorye
 Code Station Name Δ° AZ° Phase ID Time Res
 h m s ISC
 H45RU USSURIYSK INFR 8.64 209 i 11 23 20.0
 baz=25,slow=336,SNR=3.6
 H44RU PETROPAVLOVSK12.17 76 i 11 41 40.0
 baz=272,slow=327,SNR=1.5
 IS3US FAIRBANKS INFR 38.62 41 i 14 26 30.0
 baz=291,slow=330,SNR=0.3

NIED 26 10:36:00,38.70N,142.20E,h44km,MW4.7 Best double
 couple: Mb1.23000+1019.11+189.00000; 315.00000*,
 1.72+0.00000; NP2=22.00000; 875.00000; 1.93.00000*,
 BUJ 26 10:36:27.4,38.61N-142.33E,h44km,mb4.9/61,mb4.9/40,
 Ms4.2/42,Ms7.4/144
 ISCJB 26 10:36:29.0-0.4,38.73N-142.02-142.09E,0.03,h49km,2km,
 mb4.7/187,MS4.0/34,Error ellipse: s-maj=4.4km
 s-min=3.0km az=44.9

MOS 26 10:36:29.0-0.8,38.92N-142.03E,h35km,mb5.0/74,Error
 ellipse: s-maj=6.7km s-min=4.3km az=101.8
 JMA 26 10:36:29.0-0.1,38.72N-142.18E,h42km,1km,M4.7
 JMA Felt III J1
 GCMT 26 10:36:31.9-0.5,38.87N-142.27E,0.04,h51km,2km,
 MW4.8/53, Moment Tensor Solution, s30,c35; s53,c81;
 Duration: 0 Moment tensor: Scale 1016Nm; M1: 1.6; M2: 0.9;
 M3: 0.29; M4: 1.38; M5: 1.0; M6: 0.68; M7: 0.75; M8;
 M9: 1.00; M10: Best double couple: M2: 10200+1016
 NP1=31.00000; 863.00000; 1.94.00000; NP2:
 202.00000; 828.00000; 1.82.00000; Principal axes: T
 2.0590,Plg72.0000; Azm311.0000; N 0.0830,
 Plg4.0000; Azm209.0000; P -2.1440,Plg18.0000*
 Azm118.0000; nst1 refers to body waves, cutoff=40s.
 nst2 refers to surface waves, cutoff=50s. Triangular
 moment-rate function

NEIC	26 10:36:31.9-0.5,38.87N-142.27E,0.04,h51km,2km, Error ellipse: s-maj=4.3km s-min=3.1km az=133.0				
NEIC	Recorded [3 JMA] in Iwate and Miyagi				
IDC	26 10:36:31.3-1.6,38.72N-142.12E,h51km,14km,mb4.3/35, mb1.4/442,mb1mx4.5/85,mbimp4.6/42,ML4.2/7,MS3.9/31, Ms1.3/31,ms1mx3.7/51,Error ellipse: s-maj=11.5km s-min=8.5km az=118.0				
ISC	26 10:36:30.3-0.7,38.72N-142.26E,0.04,h47km,5km, n450, #1960/473,mb4.7/189,MS4.1/35,27C-9D,Near east coast of eastern Honshu				

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
				h m s	ISC
OFUJ	Ofunato	0.58 308	Op	Pg	10 36 41.2 -1.2
OFUJ			S	Sn	10 36 49.0 -2.0
JIO	Ouri	0.76 250	P	Pb	10 36 43.2 -1.5
JIO			S	Sn	10 36 52.4 -2.7
JMK					

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like FITZ, WRAB, WBA2, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like BW06, PD31, PDAR, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MYKA, SCHA, SCHO, etc.

UCR 26 10:39:50.2±3.0, 9.38N-82.633W, h18km±10km, MD3.8, IC-4D, Panama-Costa Rica border region. Includes a table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters.

NIED 26 10:52:00, 42°70'N, 143°20'E, h101km, Mw3.9 Best double couple: Mb8.00000±0.104, NP1±0.162, 0000°, 8.15.00000°, comp=2.5, 0.00000°. NP2±0.18, 00000°, 8.78.00000°, 1.99.00000°.

s-maj=16.7km s-min=12.2km az=139.0
JMA 26 10:52:54.3, 0.1, 42:70N:143:21E, h104km, 1M3.7
Broadband fault plane solution: P waves. NP1:
phi=14.00000, delta=272.00000, lambda=89.00000. NP2: phi=197.00000,
delta=18.00000, lambda=93.00000. Principal axes: T P1g63.00000,
P1g27.00000, N P1g1.00000, Azm15.00000; P
P1g27.00000, Azm10.00000;

JMA Felt II J1
NEIC 26 10:52:58.7, 1.0, 43:30N:142:87E, h128km, 8km, mb4.5/14
Error ellipse: s-maj=13.6km s-min=9.5km az=146.0
ISC 26 10:52:53.0, 0.6, 42:56N:0.04, 143:22E, 0.04, h110km, 5km,
n113, 1979/121, mb4.4/39, 11 C-7b, Hokkaido region

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

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

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

MOS 26 12:32:48.4, 0.0, 42:14N:47:81E, h24km, MPV4.8
ISC 26 12:32:41.7, 3.0, 41:57N:0.10, 47:02E, h10km, n9,
c25111, Eastern Caucasus

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

DRS 26 12:33:50.0, 0.0, 42:24N:48:05E, h18km
MOS 26 12:33:46.3, 0.0, 42:22N:48:09E, h40km, 10km, Caspian
Sea

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

IDC 26 13:10:47.6, 1.9, 10:49S:118:88E, h0km, mb3.8/1,
mb1 3.5/5, mb1tm3.3/23, mb1tm3.4/5, ML3.4/4, Error
ellipse: s-maj=69.3km s-min=24.6km az=45.0, South of
Sumbawa

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

SOME 26 13:21:34.2, 40:82N:76:95E, h10km
KRNET 26 13:21:36.5, 0.1, 40:98N:76:83E, h12km, mb3.1
NINC 26 13:21:38.5, 1.3, 40:94N:76:80E, h0km, mb3.7, mpv3.3,
Error ellipse: s-maj=13.3km s-min=8.4km az=137.0
ISC 26 13:21:32.5, 1.4, 40:79N:0.04, 76:82E, 0.03, h3km, 12km,
n57, c142/96, 23C-22D, Kyrgyzstan-Xinjiang border
region

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

UCR 26 11:03:06.3, 1.8, 12:63N:88:89W, h28km, 5km, ML3.7, Off
coast of central America

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like IZV, TKM2, KBK, KST, MTBS, MDOK, AAA, KNDC, KOTS, AAK, AAK, AAK, SATY, SATY, DGS, DGS, SFK, SFK, SFK, ZHN, CHMS, CHMS, AML, AML, AML, UZB, UZB, KTBS, KTBS, EK2S, EK2S, EK2S, ARSB, ARSB, KPKS, KPKS, USP, USP, USP, CHKK, CHKK, SHLS, SHLS, KUU, KUU, PDGK, PDGK, MRKS, MRKS, MNBS, MNBS, ARXS, ARXS, MNAS, MNAS, DJR, DJR, DJR, BTLS, BTLS, KAPS, KAPS, KK31, KK31.

Table with columns: BRLS, Borolday, Pg, Pg, Pg. Includes ISK 26 13:27:51.1, 38°66'N, 43°20'E, h5km, ML2.4/2. DDA 26 13:27:52.7, 38°63'N, 43°23'E, h7km, ML2.8. ISJCJB 26 13:27:53.1±0.5, 38°69'N, 0°03:43'21'E, 0.05, h4km, gkm. Error ellipse: s-maj=6.6km s-min=5.6km az=161.4. ISC 26 13:27:52.9±1.0, 38°66'N, 0°03:43'24'E, 0.03, h15km, gkm, n12, c1916/18, Turkey.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes MKAR Makanchi Array 17.25 360 Op Pn 13 44 39.2 +0.2. DAV Dava City (W) 46.40 110 LR 14 08 33.3. WRA Waramunga Arr 70.23 128 P Pn 13 51 51.9 0.0. ASAR Alice Springs 72.50 131 P P 13 52 05.6 +0.1.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes WMGZ Waiomatatini S 1.47 268 Op Pn 13 43 18.0 +0.5. MXZ Matakaoa Point 1.57 278 P Pn 13 43 19.1 +0.5. PUK Puketiti 1.61 259 P S 13 43 20.2 +0.7. PKGZ Pakihira 1.73 266 P Pn 13 43 21.6 +0.4. CNGZ Carnagh Statio 1.77 246 P P 13 43 23.6 -1.5. TWGZ Tauwhareparae 1.85 257 P S 13 43 24.8 +0.8. HAZ Te Kaha 1.97 270 S Sn 13 43 24.8 +0.5. TKGZ Te Karaka 2.01 250 P S 13 43 26.3 +1.4. RUGZ Raukumara Rang 2.06 264 P Pn 13 43 21.4 +2.4. MWZ Matawai 2.25 255 P S 13 43 28.6 +0.6. MHGZ Mahia Peninsul 2.30 233 P S 13 43 30.5 +1.5. KOKZ Kokohu 2.38 238 S S 13 43 31.5 +1.5. SNGZ Shannon Statio 2.51 246 P S 13 43 33.2 +1.4. SNGZ 2.51 246 S Sn 13 44 03.4 +2.2. WHHZ Waihua 2.71 241 P S 13 43 36.3 +1.8. WHHZ 2.71 241 S Sn 13 44 02.8 +2.1. RTZ Ruatahuna 2.72 251 P Pn 13 43 36.5 +1.8. RTZ 2.72 251 S Sn 13 44 08.1 +1.8. MUGZ Murupara 2.84 255 P S 13 43 37.7 +1.3. MUGZ 2.84 255 S Sn 14 04 09.3 -0.1. ARHZ Aropoanui 2.96 239 P Pn 13 43 39.6 +1.6. TARZ Mount Tarawera 3.00 260 P Pn 13 43 39.7 +1.1. NMHZ Naumai 3.01 243 P Pn 13 43 40.2 +1.4. BKZ Black Stump Fm 3.27 244 P Pn 13 43 43.8 +1.6.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes TIR 26 14:05:15.5, 41°42'N, 20°99'E, h20km, Md2.9/4. SKO 26 14:05:16.2, 41°38'N, 21°00'E, h15km, M1.5, ML1.9. PDG 26 14:05:17.4±0.4, 41°36'N, 20°94'E, h3km, ML2.8/1.1, Error ellipse: s-maj=0.7km s-min=0.7km az=90.0. BEO 26 14:05:18.1±0.6, 41°39'N, 21°05'E, h0km, ML2.0/8. ISC 26 14:05:17.1±1.1, 41°27'N, 0°04:20'96"E, 0.02, h14km, gkm, n34, c1999/60, 8C-6D, Albania.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes KRUS Krusevo 0.24 66 Op Pn 14 05 22.0 -0.4. BIA Bitola 0.37 132 Op Sg 14 05 25.4 -2.0. PHP Peshkopia 0.57 317 Op Sg 14 05 34.4 -0.7. FNA Florina 0.58 147 Op Sg 14 05 33.6 -2.2. FNA 0.58 147 Op Sg 14 05 29.7 -6.5. SKO Skopje 0.79 27 Op Pn 14 05 28.8 -2.8. SKO Skopje 0.79 27 Op Sg 14 05 29.9 -4.0. STIP Stip 1.01 65 Op Pn 14 05 38.8 +2.1. PUK Puka 1.11 314 Op Sg 14 05 35.4 -3.0. VAY Valandovo 1.22 87 Op Sg 14 05 53.8 -1.6. VAY Valandovo 1.22 87 Op Pn 14 05 48.8 +0.3. BCI Bajram Curri 1.28 329 Op Sg 14 05 58.5 -2.1. ULC Ulcinj 1.46 299 Op Sg 14 05 02.7 -0.4. PVY Plav 1.52 331 Op Pn 14 05 43.5 -0.5. DRME Dracevica, Mon 1.61 305 Op Sg 14 05 45.9 +0.7. BARS Barje 1.67 212 Op Sg 14 05 46.1 -0.1. PDG Podgorica 1.72 313 Op Sg 14 05 48.2 -0.3. TTG Podgorica 1.72 313 Op Sg 14 05 48.3 -0.3. IVA Berane 1.79 334 Op Pn 14 05 48.5 +0.8. BUM Brajici-Budva 1.86 304 Op Pn 14 05 49.9 -1.0. KOME Kolasin 1.91 326 Op Pn 14 05 49.9 +0.5. SELS Selva 1.95 32 Op Pn 14 05 50.6 +0.7. CEME Cevo 1.99 311 Op Pn 14 05 52.9 -0.2. NKME Niksic 2.11 316 Op Pn 14 05 54.4 -0.9. SJSJ Sjenica 2.12 340 Op Pn 14 05 52.7 +0.4. SJSJ Sjenica 2.12 340 Op Pn 14 05 54.4 -1.0. NKY Niksic 2.12 317 Op Pn 14 05 54.0 -1.5. VITV Vitosh 2.13 51 Op Sg 14 05 23.0 +1.2. VTS Vitosh 2.13 51 Op Pn 14 05 21.8 +2.9. HCY Herceg Novi 2.18 303 Op Pn 14 05 55.7 -0.7. ZAPS Zavoje 2.36 31 Op Pn 14 05 57.1 +1.7. IVAS Ivanjica 2.38 346 Op Pn 14 05 56.6 +0.8. BOVS Bovan 2.43 13 Op Pn 14 05 51.1 +0.3. BRY Bratogost 2.43 313 Op Pn 14 05 58.4 +1.9. UPM Unac-Piva 2.43 122 Op Pn 14 05 58.5 +1.5.

Table with columns: UPM, eSn, Sb, Pg. Includes MAN 26 14:05:44.0, 10.077N, 123.23E, h1km, mb5.2, ML4.2, MS4.3, 3D, Cebu. Code Station Name Az AzZ Phase ID Time Res ISC. Includes LLLP Lapu-Lapu 0.76 711 Op Pn 14 05 58.9 +0.3. GUIM Jordan 0.84 31 Op Pn 14 06 00.2 -0.1. RUCP Roxas 1.56 342 Op Sg 14 06 07.9 -3.3. MSLP Maasin 1.60 87 Op Sg 14 06 13.3 +0.2. OCLP Ormoc 1.67 54 Op Pn 14 06 35.4 -0.1. PAGZ Pagadian 2.21 176 Op Pn 14 06 22.6 +0.8. CUYO Cuyo Island 2.31 290 Op Pn 14 06 24.4 +1.1. IPIL Ipil 2.36 196 Op Sg 14 06 24.0 -1.8. BUTP Butuan 2.59 115 Op Sg 14 06 53.8 +0.3. BUKP Musuan 2.83 140 Op Sg 14 07 02.3 -1.5. CTBH Cotabato-PC H 3.00 160 Op Pn 14 06 34.0 +1.3.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes ROM 26 14:05:55.2±0.1, 39.905N, 0°00'4×16°01'9E, 0°00'5, h9km, ML1.4/3, Southern Italy. Code Station Name Az AzZ Phase ID Time Res ISC. Includes MMN Mormanno 0.03 236 P S 14 05 57.2 +0.4. MMN 0.03 236 P S 14 05 58.1 +0.1. MMN comp=E,3350um,0.1s AML AML. MMN comp=N,6345um,0.1s AML AML. MMN comp=E,3350um,0.1s AML AML. CUC Castrocucco 0.18 300 P S 14 05 59.7 +0.7. CUC 0.18 300 P S 14 05 02.8 +1.2. CUC comp=E,195um,0.4s AML AML. CUC comp=N,147um,0.4s AML AML. CUC comp=E,227um,0.4s AML AML. CUC comp=N,178um,0.4s AML AML. CUC comp=N,178um,0.4s AML AML. CUC comp=N,147um,0.4s AML AML. CUC comp=E,227um,0.4s AML AML. CUC comp=N,178um,0.4s AML AML. CUC comp=N,147um,0.4s AML AML. CUC comp=E,227um,0.4s AML AML. CUC comp=E,195um,0.4s AML AML. CUC comp=N,332um,0.3s AML AML. T0702 Acquaformosa (0.19 165 P S 14 06 00.1 +0.9. T0702 0.19 165 P S 14 06 03.3 +1.4. T0702 comp=E,275um,0.3s AML AML. T0702 comp=N,332um,0.3s AML AML. T0702 comp=E,275um,0.3s AML AML. SALB San Lorenzo Be 0.25 96 P S 14 06 01.0 +0.7. SALB 0.25 96 P S 14 06 05.4 -1.1. SALB comp=E,142um,0.3s AML AML. SALB comp=N,72um,0.4s AML AML. SALB comp=E,142um,0.3s AML AML. SCHR S. Chirico Rap 0.30 8 P Pn 14 06 02.0 +0.8. SCHR 0.30 8 P Pn 14 05 06.7 -1.1. SIRI Monte Sirino - 0.30 337 P S 14 06 02.1 -0.7. SIRI 0.30 337 P S 14 06 07.0 -0.9. CET2 Cetrarò 0.38 188 P S 14 06 03.3 +1.1. CET2 0.38 188 P S 14 06 08.9 -1.1.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes MEX 26 14:15:11.2±0.6, 17.366N, 102.83W, h13km±10km, MD3.9, Near coast of Michoacan. Code Station Name Az AzZ Phase ID Time Res ISC. Includes MMIG Aquila 0.65 311 Op Pn 14 15 22.2 -1.6. MMIG 0.65 311 Op Sg 14 15 30.8 -1.8. ZIIG Zihuatajeo 1.33 101 Op Pn 14 15 17.1 -3.7. CJM Chameala 2.65 308 Op Pn 14 15 51.7 -2.1.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes ISCJB 26 14:18:18.9±1.0, 42°05'N, 0°03:126°83'W, 0°04, h11km±7km, mb3.9/14, MS3.6/13, Error ellipse: s-maj=5.7km s-min=4.5km az=144.0. IDC 26 14:18:18.7±0.8, 42°15'N, 126°77'W, h0km, mb4.0/13, mb1.4/17, mb1mx4.0/47, mbtmp3.9/17, ML3.5/4, MS3.7/19, Ms1.3/7.19, ms1mx3.5/40, Error ellipse: s-maj=21.8km s-min=10.5km az=22.0. NEIC 26 14:18:20.1±0.5, 42°04'N, 126°90'W, h10km, ML3.3, Error ellipse: s-maj=7.5km s-min=5.0km az=46.0. GCMT 26 14:18:22.1±0.4, 42°08'N, 0°06:127°10'W, 0°04, h21km, 1km, MM4.761, Moment Tensor Solution, s16c18; s61c86; Duration: 0 Moment Tensor: Scale 1016N; Mr-1.74; 16; Mw=0.33±0.09; Mw=1.41±1.10; Mw=0.04±0.23; Mw=0.06±0.05; Mw=0.24±1.4; Best double couple: M=1.59500×10^16 NP1:394.0, 0.00000°, 849.00000°, -89.00000°. NP2: 0±182.00000°, 841.00000°, -91.00000°. Principal axes: T 1.4310, P1g4.0000°, Azm93.0000°; N 0.3270, P1g1.0000°, Azm183.0000°; P -1.7580, P1g86.0000°. nsta2 refers to body waves, cutoff=40s. nsta28 refers to surface waves, cutoff=50s. Triangular moment-tensor function. ISC 26 14:18:20.1±1.4, 42°04'N, 0°05:126°76'W, 0°06, h10km±29km, n114, c1957/109, mb4.0/14, MS3.6/13, Off coast of Oregon. Code Station Name Az AzZ Phase ID Time Res ISC. Includes KBO Bosley Butte 1.89 84 Op Pn 14 18 52.1 -0.4. KEEM Edson Butte 1.98 64 Op Sg 14 18 53.2 -0.5. KRMB Red Mountain 2.19 103 Op Pn 14 18 56.3 -0.3. L02E Cave Junction 2.35 86 Op Pn 14 18 58.7 -0.1. J01E Myrtle Point 2.37 61 P Pn 14 18 58.4 -0.6. J01E Myrtle Point 2.37 61 P S 14 19 26.9 -1.2. K02D Wilamette Mer 2.38 73 P Pn 14 18 59.2 -0.1. JCC Jacoby Creek, 2.38 120 Op Pn 14 18 58.5 +0.7. JCC 2.38 120 Op Sg 14 19 28.6 -0.3. KHM Horse Mountain 2.55 116 Op Sg 14 19 01.3 +0.2. DBO Dodson Butte 2.81 66 Op Pn 14 19 05.5 +0.3. HUMO Hull Mountain 2.87 77 Op Pn 14 19 06.3 +0.3. KMRM Mail Ridge 2.93 127 Op Pn 14 19 06.6 -0.2. I02D Swissmore 2.97 45 Op Pn 14 19 07.2 -0.1. I02D 2.97 45 S Sn 14 19 43.8 +1.0. M02C Callahan 2.99 101 P Pn 14 19 08.2 +0.5. I03D Drain, OR 3.00 55 P Pn 14 19 07.3 -0.4. YBH Yreka Blue Hor 3.04 94 Pn 14 19 09.4 +1.1. YBH 3.04 94 Pn 14 19 09.4 +1.1. YBH 3.8nm, 0.3s, baz=274, slow=12, SNR=50. YBH 3.8nm, 0.3s, baz=274, slow=12, SNR=50. YBH 1.8nm, 0.3s, baz=122, slow=15, SNR=2.5.

Table with columns: YBH, comp-Z, L, R, LR, LR, 14 20 13.0, 14 19 11.1 +0.3, 14 19 13.4 +1.3, 14 19 15.1 +0.7, 14 19 15.0 0.0, 14 19 14.5 -1.2, 14 19 15.7 +1.7, 14 19 18.2 +1.7, 14 19 17.3 +0.7, 14 20 01.0 +1.4, 14 19 18.6 +1.5, 14 19 18.9 +0.8, 14 19 20.1 +0.9, 14 20 05.6 +1.1, 14 19 23.1 +0.9, 14 19 23.8 +0.6, 14 19 25.7 +0.8, 14 19 25.9 +0.8, 14 19 27.7 +0.6, 14 19 30.1 +0.6, 14 19 30.8 +0.7, 14 19 30.5 -0.5, 14 19 32.4 +0.3, 14 19 36.3 +0.4, 14 19 37.4 +1.1, 14 19 40.3 +1.9, 14 19 41.1 +0.4, 14 19 41.7 +1.5, 14 19 42.0 +1.6, 14 19 43.3 +2.3, 14 19 42.8 +1.1, 14 19 46.2 +1.4, 14 19 48.5 +1.4, 14 19 48.7 +1.2, 14 19 49.0 +1.8, 14 19 49.0 +0.5, 14 19 51.7 +1.9, 14 19 52.4 +1.2, 14 19 54.6 +2.8, 14 19 54.4 +0.9, 14 19 56.3 +3.0, 14 19 56.9 +1.1, 14 19 57.5 +1.3, 14 19 59.4 +0.8, 14 19 59.7 +0.2, 14 20 01.4 +1.5, 14 20 05.0 +1.1, 14 20 07.6 +1.5, 14 20 10.3 +1.9, 14 23 19.5, 14 20 09.6 +1.0, 14 20 20.6 +1.4, 14 20 33.1 +0.1, 14 20 33.4 +0.3, 14 24 15.1, 14 20 52.5 +3.6, 14 20 53.0 +3.3, 14 20 53.9 +3.6, 14 20 53.0 +2.3, 14 20 59.9 +2.4, 14 21 07.3 +3.0, 14 21 09.5 +3.6, 14 21 09.0 +2.6, 14 21 09.2 +2.7, 14 21 10.0 +3.2, 14 21 10.2 +3.2, 14 21 24.4 +2.9, 14 26 33.0, 14 21 23.2 +1.8, 14 21 27.1 +0.6, 14 21 54.5 -1.8, 14 22 05.7 -1.5, 14 21 27.0, 14 22 18.0 -0.5, 14 22 25.6 +1.5, 14 29 34.7, 14 22 37.0 -0.1, 14 23 10.9 -0.2, 14 31 10.5, 14 23 25.1 +4.7, 14 32 07.3, 14 29 49.9, 14 23 23.4 +0.8, 14 32 33.0, 14 23 37.2 -0.4, 14 23 48.4 +0.1, 14 23 49.0 +0.7, 14 32 03.3, 14 33 36.3, 14 43 02.8, 14 27 10.2 -1.3, 14 27 12.6 -0.7, 14 45 49.8, 14 57 05.7, 15 32 49.2, 15 32 49.2, 15 34 02.2, 15 34 03.6, 15 34 03.6, 14 29 05.2 -1.4, 14 29 24.8 -0.5, 14 59 14.3, 14 30 23.9 +0.2, 15 04 50.8, 14 30 27.0 +0.6, 14 30 27.0 +0.6, 14 30 31.5 -1.1, 14 30 48.8 +0.5

AKASG Malin Array Be 85.29 15 P P 14 30 57.5 +0.7
MKAR Makanchi Array 87.86 34 P P 14 31 10.1 +0.5
BRTR Keskin Array B 96.89 15 LR LR 15 17 49.9
GNI Garni 97.83 7 LR LR 15 18 51.3

MEX 26 14:19:04.50.4, 17:31'N x 101:37'W, h36km, e8km, MD3.8, Near coast of Guerrero
Code Station Name Az AZ Phase ID Time Res
ZIIG Zihuatanejo 0.31 343 Op Pn 14 19 11.0 -1.6
ZIIG El Cayaco 1.09 104 Is Ss 14 19 16.3 -2.9
CAIG CAIG 1.42 113 Is Ss 14 21 11.3 -0.3
ARIG Puente Sto Nin 1.37 45 eP Ss 14 19 25.6 -1.6
ARIG ARIG 1.49 41.6 -2.5 Ss 14 19 31.6 -1.1
MEIG Mezcala 1.78 70 eP Ss 14 19 53.0 -1.2

MAN 26 14:23:41.8, 10:06'N-123:22'E, h1km, mb4.8, ML3.7, MS3.6, 2C, ZCu
Code Station Name Az AZ Phase ID Time Res
LLP Lapu-Lapu 0.78 71 Op Pn 14 23 56.9 +0.2
LLP Keskin Array B 1.42 113 Is Ss 14 24 06.8 0.0
RCP Roxas 1.56 343f eS Ss 14 24 34.7 +2.7
CGP Cagayan de Oro 2.16 38 Is Pn 14 24 35.1 +1.2
CTBH Cotabato-PC H 3.00 160f IP Pn 14 24 33.1 +2.6

ISCJB 26 14:23:46.0.6, 37:08'N-127:55'E, 0.04, h0km, Error ellipse: s-maj=5.6km s-min=4.1km az=139.8
DDA 26 14:23:45.5, 37:09'N-127:54'E, h7km, M12.6, Suspected Mining explosion.

ISK 26 14:23:45.2, 37:07'N-127:51'E, h1km, mb2km, ML1.8/6
ISC 26 14:23:43.2, 0.9, 37:04'N-127:71'E, 0.04, h0km, n13, e072/18, Turkey

Code Station Name Az AZ Phase ID Time Res
BDRM Kayabasi 0.21 277 IP Pn 14 23 48.2 +0.9
BDRM MSLB Milas 0.26 12 PG Pn 14 23 51.9 +1.1
MLSB MSLB 0.26 12 PG Pn 14 23 56.9 +1.0
BODT Bodrum 0.32 274 PG Sg 14 23 49.6 +0.2
BODT DAT 0.33 199 SG Sg 14 23 52.3 -1.2
DAT Datca 0.33 199 SG Sg 14 23 52.7 +0.7
DAT Datca 0.33 199 IP Pn 14 23 57.0 0.0
DAT Datca 0.33 199 IP Pn 14 23 52.6 +0.6
DAT YER 0.47 78 PG Pn 14 23 58.5 +0.7
YER Yerkesik 0.47 78 PG Pn 14 23 57.2 0.0
NIS1 Nisyros Isl. 0.61 225 PG Pn 14 23 56.4 -0.4
AYDN Tasoluk 0.64 12 IP Pn 14 23 58.9 -0.6
TURN Turunc 0.73 103 PG Pn 14 23 58.1 -0.8
TURN Turunc 0.73 103 IP Pn 14 23 58.5 -0.4
GCAM G?zelcam? 0.76 330 PG Pn 14 23 58.7 +0.6
GCAM G?zelcam? 0.76 330 IP Pn 14 23 58.1 -0.3
AYDB Zeytinokuy-Aydi 0.92 9 Pn 14 24 03.2 -0.3

ISCJB 26 14:29:53.2, 0.6, 48:82'N-141:90'E, 0.07, h7km, 7km, Error ellipse: s-maj=7.3km s-min=4.2km az=172.1
SKHL 26 14:29:53.7, 0.9, 48:82'N-142:09'E, h10km, mb4.2/7
SKHL Felt (III) at Ulegorsk.

MOS 26 14:29:54.6, 1.3, 48:81'N-142:03'E, h11km, mb3.9/1, Error ellipse: s-maj=63.6km s-min=29.0km az=99.1
MOS Felt (III) at Ulegorsk.

ISC 26 14:29:54.7, 1.1, 48:81'N-142:08'E, 0.06, h12km, 10km, n10, e166/16, 2C, Sakhalin Island

Code Station Name Az AZ Phase ID Time Res
UGL Ulegorsk 0.27 358f IP Pn 14 30 00.0 -0.2
UGL 3um,0.4s eSg A Sg 14 30 01.0
UGL 15um,0.3s eSg A Sg 14 30 03.4 -0.5
UGL Ulegorsk 0.27 358f IP Pn 14 30 00.0 -0.2
UGL comp=Z,3um,0.4s pmax pmax 14 21 24.4 +2.9
UGL comp=N,808nm,0.3s pmax pmax 14 26 33.0
UGL comp=E,710nm,0.3s pmax pmax 14 21 23.2 +1.8
KHLM Kholmsk 1.76 181 eP Pn 14 30 29.3
KHLM comp=E,170nm,0.7s eSg A Sg 14 30 53.5 +2.2
KHLM YSS Yuzh-Sakhalins 1.92 166 eP Pn 14 30 30.2 -1.2
YSS comp=E,30nm,0.5s eSg A Sg 14 30 31.1
YSS YSS 1.92 166 eP Pn 14 30 29.3
YSS comp=Z,30nm,0.5s pmax pmax 14 23 25.1 +4.7
YSS comp=N,50nm,0.5s pmax smax 14 32 07.3
TYV Tymovskoe 2.08 10 eP Pn 14 30 34.7 0.0
TYV comp=N,20nm,0.2s eSg A A 14 31 02.9 +1.1
TYV comp=N,20nm,0.7s A A 14 31 05.5
TYV comp=N,30nm,0.7s eP Pn 14 30 29.4 -0.1
TYV Tymovskoe 2.08 10 eP Pn 14 30 55.1 -0.3
TYV comp=E,30nm,0.5s eSg A Sg 14 31 13.5 -0.8
GRNR Gornyy 4.16 300 eP Pn 14 32 08.0 0.0
GRNR comp=E,10.0nm,0.9s A A 14 32 12.0
GRNR Gornyy 4.16 300 eP Pn 14 31 11.7 -2.6
EKM Ekimchan 7.17 310 eSg A Sg 14 33 48.8 +4.2
EKMR comp=Z,6.0nm,0.8s A Sg 14 33 49.8

GMCT 26 14:34:12.0, 0.4, 36:39'S-170:29'E, 0.03, h34km, 1km, MW5.0/63, Moment Tensor Solution. s15,c20: s63,c81; Duration: 0 Moment tensor: Scale 10^19Nm; Mr,0.107: 15; Mw-4.13: 25; Mw-4.03: 25; Mw-0.35: 26; Mw-0.6: 38; Mw-0.5: 23; Best double couple: M-4, 180000*10^16 N*1s=2200000; s89,00000; 1.8,00000; NPZ: phi=130,00000; s82,00000; 1.7,00000; Principal axes: P1=4100, P1g=2000; Azm86,0000; N 0.0800; P1g82,0000; Azm228,0000; P -4.2190, P1g5,0000; Azm355,0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Surface wave location Triangular moment-rate function

ISC 26 14:34:06.4, 1.1, 36:60'S-79:10'E, h0km, mb3.9/8, mb1 4.1/8, mb1mx3.8/4.0, mbtmp3.9/8, MS4.1/20, Ms1 4.1/20, ms1mx3.9/3.0 Error ellipse: s-maj=30.4km s-min=24.1km az=85.0, Mid-Indian Ridge

Code Station Name Az AZ Phase ID Time Res
H01W2 Cape Leeuwin H 28.40 97 T T 15 09 30.5
H01W3 Cape Leeuwin H 28.40 97 T T 15 09 43.4
H01W1 Cape Leeuwin H 28.41 97 T T 15 09 44.3
H02S2 Diego Garcia H 29.45 347 T T 15 10 53.8

H08S1 Diego Garcia H 29.45 347 T T 15 10 54.9
H08S3 Diego Garcia H 29.47 347 T T 15 10 55.2
NWA0 Narro (SR) 31.41 95 LR LR 14 50 25.9
MAW Mawson 32.39 192 LR LR 14 51 34.7
OPO Amhohidratopmo 33.29 294 LR LR 14 51 27.7
LEM Lembaung 39.45 48 LR LR 14 54 17.9
FITZ Fitzroy Cross 44.79 79 P P 14 42 21.8 -0.3
BOSA Boshof 45.55 264 LR LR 14 57 25.7
ASAR Alice Springs 48.53 91 P P 14 42 50.7 -0.8
WRA Warramunga Arr 50.74 87 P P 14 43 08.0 -0.3
WRA comp=Z,352nm,19.9s,baz=216,slo=33 4.5nm,1.1s,baz=238,slo=7.1,SNR=11 LR 15 02 10.7
STKA Stephens Creek 51.09 104 LR LR 15 00 59.9
KMBO Kilma Mamba 52.34 303 LR LR 15 02 26.3
VND A Vanda 53.02 164 P P 14 43 24.8 +0.3
VND A 1.5nm,1.1s,baz=275,slo=6.2,SNR=6.8 LR 15 04 05.6
QSPA South Pole Qui 53.55 180 P P 14 43 29.1 +0.3
TSUM Tsumeb 56.16 270 LR LR 15 04 17.2
CMAR Chiang Mai Arr 57.89 22 P P 14 44 02.1 +1.9
CMAR comp=Z,56nm,21.8s,baz=192,slo=32 1.3nm,1.1s,baz=206,slo=5.9,SNR=5.2 LR 15 04 27.5
MKAR Makanchi Array 57.89 22 P P 14 46 33.0 -0.5
MKAR comp=Z,65nm,19.9s,baz=170,slo=34 0.8nm,0.9s,baz=195,slo=10,SNR=3.6 LR 15 21 15.8
KBRS Korea Arr 66.47 37 LR LR 15 24 08.8
KZB Khabaz 66.46 335 LR LR 15 22 06.8
BRTR Keskin Array B 86.71 327 P P 14 46 51.2 -0.9
SONM Songino Array 87.53 18 LR LR 15 24 57.3
TORD Torodi Ar. Bea 87.89 288 LR LR 15 25 26.0
AKO Aktyubinsk 88.64 347 LR LR 15 23 05.7
DBIC Dimbokro 89.10 279 LR LR 15 24 03.1
ZALV comp=Z,165nm,18.6s,baz=120,slo=34 4.2nm,0.7s,baz=243,slo=10,SNR=3.6 LR 15 28 18.9

Code Station Name Az AZ Phase ID Time Res
H10N3 ASCENSION HYDR16.52 122 T T 15 18 16.8
H10N2 ASCENSION HYDR16.53 122 T T 15 18 17.2
H10N1 ASCENSION HYDR16.55 122 T T 15 18 24.5
H10S5 ASCENSION HYDR16.99 125 T T 15 18 50.9
H10S1 ASCENSION HYDR19.9 125 T T 15 18 53.3
H10S2 ASCENSION HYDR17.01 125 T T 15 18 57.0
LIC Lamto 24.10 77 eP P 15 02 47.5 +0.3
TIC Toumoudi 24.20 76 eP P 15 02 52.3 +4.2
DBIC Dimbokro 24.36 76 P P 15 02 49.9 +0.3
KIC Kosan Boka 24.41 77 eP P 15 02 50.6 +0.6
TORD Torodi Ar. Bea 32.38 67 P P 15 03 59.9 -1.3
CPUP Villi Florina 38.74 224 LR LR 15 20 13.6
LPAZ La Paz 42.59 245 P P 15 05 28.9 +0.4
LPAZ 1.9nm,0.8s,baz=85,slo=5.7,SNR=7.4 LR 15 22 34.7
GERES GERES Array B 59.98 31 P P 15 07 38.1 +0.2
BRTR Keskin Array B 68.34 47 P P 15 08 33.0 0.0
AKASG Malin Array Be 69.47 35 P P 15 08 39.5 -0.2
ASAR Alice Springs 151.71 144 PKPbc PKPbc 15 17 25.6 -1.4
0.5nm,1.0s,baz=183,slo=1.3,SNR=4.2

IDC 26 14:57:29.3, 1.1, 0:79'N-28:50'W, h0km, mb4.2/6, mb1 4.3/6, mb1mx3.8/4.8, mbtmp4.2/6, MS3.8/2, Ms1 3.8/2, ms1mx3.0/2.5, Error ellipse: s-maj=58.2km s-min=23.1km az=150.0

ISC 26 14:57:30.6, Central Mid-Atlantic Ridge, h17, e1976/10, n10, e166/16, 2C, Sakhalin Island

Code Station Name Az AZ Phase ID Time Res
H10N3 ASCENSION HYDR16.52 122 T T 15 18 16.8
H10N2 ASCENSION HYDR16.53 122 T T 15 18 17.2
H10N1 ASCENSION HYDR16.55 122 T T 15 18 24.5
H10S5 ASCENSION HYDR16.99 125 T T 15 18 50.9
H10S1 ASCENSION HYDR19.9 125 T T 15 18 53.3
H10S2 ASCENSION HYDR17.01 125 T T 15 18 57.0
LIC Lamto 24.10 77 eP P 15 02 47.5 +0.3
TIC Toumoudi 24.20 76 eP P 15 02 52.3 +4.2
DBIC Dimbokro 24.36 76 P P 15 02 49.9 +0.3
KIC Kosan Boka 24.41 77 eP P 15 02 50.6 +0.6
TORD Torodi Ar. Bea 32.38 67 P P 15 03 59.9 -1.3
CPUP Villi Florina 38.74 224 LR LR 15 20 13.6
LPAZ La Paz 42.59 245 P P 15 05 28.9 +0.4
LPAZ 1.9nm,0.8s,baz=85,slo=5.7,SNR=7.4 LR 15 22 34.7
GERES GERES Array B 59.98 31 P P 15 07 38.1 +0.2
BRTR Keskin Array B 68.34 47 P P 15 08 33.0 0.0
AKASG Malin Array Be 69.47 35 P P 15 08 39.5 -0.2
ASAR Alice Springs 151.71 144 PKPbc PKPbc 15 17 25.6 -1.4
0.5nm,1.0s,baz=183,slo=1.3,SNR=4.2

ISCJB 26 15:06:13.7, 1.5, 34:50'N-105:22'E, 0.04, h7km, 11km, mb3.9/8, Error ellipse: s-maj=8.6km s-min=5.2km az=19.4

IDC 26 15:06:14.7, 1.0, 34:73'N-105:17'E, h0km, mb3.9/8, mb1 3.9/13, mb1mx3.7/4.2, mbtmp3.8/13, ML3.6/5, Error ellipse: s-maj=24.2km s-min=16.1km az=166.0

THE 26 15:06:15.9, 34:53'N-102:67'E, h5km, 2km, ML3.5/4, Error ellipse: s-maj=3.3km s-min=0.6km az=183.0

ATH 26 15:06:17.0, 34:68'N-102:76'E, h24km, 3km, ML3.3/2, Error ellipse: s-maj=7.2km s-min=3.4km az=188.0

ISC 26 15:06:15.4, 1.9, 34:62'N-102:62'E, 0.05, h6km, 11km, n85, e194/22, mb4.0/8, Central Mediterranean Sea

Code Station Name Az AZ Phase ID Time Res
GVD Gavdhos 1.18 79 P P 15 06 38.3 +0.2
GVD comp=E,2103um,0.4s 1.93 59 AML AML 15 06 57.8
GVD comp=N,3122um,0.7s 1.18 79 P P 15 06 38.2 +0.2
GVD GVD 1.18 79 P P 15 06 55.8 +1.1
GVD GVD 1.18 79 P P 15 06 37.8 -0.2
IMMV Iera Mini Meta 1.35 51 P P 15 06 40.9 +0.1
IMMV comp=N,3391um,0.8s 1.35 51 AML AML 15 07 12.2
IMMV comp=E,2264um,0.9s 1.35 51 P P 15 06 40.8 0.0
IMMV Iera Mini Meta 1.35 51 P P 15 07 01.2 +2.1
IMMV Vamos 1.47 57 P P 15 06 53.2 +0.1
YAM Vamos 1.47 57 P P 15 06 43.1 0.0
KTHR Kythira 1.66 9 P P 15 06 46.0 -0.3
KYTH Kithira 1.67 10 P P 15 06 46.1 +0.9
KYTH Kithira 1.67 10 P P 15 06 46.2 -0.3
KYTH comp=N,3391um,0.8s 1.35 51 AML AML 15 07 06.4 +0.7
IDI Anoyia 1.93 69 Pn Pn 15 06 48.9 +0.1
IDI comp=E,4.2nm,0.3s,baz=249,slo=12,SNR=43 Sn Sn 15 07 14.6 +1.1
IDI comp=E,10nm,0.3s,baz=259,slo=21,SNR=8.2 Sn Sn 15 06 50.4 -0.6
VLI Velia 2.10 6 P Pn 15 06 52.7 +1.6
VLI Velia 2.10 6 P Pn 15 06 52.2 +1.1
VLI comp=N,3391um,0.8s 1.35 51 AML AML 15 06 57.3 +0.8
DVR Agios Nikonas 2.15 352 P Pn 15 07 53.4 +1.5
DVR Agios Nikonas 2.15 352 P Pn 15 06 53.8 -1.0
PYL PYLOS 2.36 342 P Pn 15 06 55.8 +0.6
MHLO Agia Marina, M 2.49 34 P Pn 15 06 57.3 +0.8
MHLO Agia Marina, M 2.49 34 P Pn 15 06 57.6 +1.1
MHLA Plaka, Milos I 2.55 33 P Pn 15 06 59.0 +1.8
BTM BTM 2.62 347 eP Pn 15 07 00.4 +1.5
ITM Ithomi 2.62 347 P Pn 15 06 59.7 +1.3
THR3 Thra Island, 2.84 50 P Pn 15 07 02.0 +1.3
SANT Santorini 2.86 52 eP Pn 15 07 01.3 -0.3
CMBO Columbo, Santo 2.88 49 P Pn 15 07 02.0 +0.1

AXDP Jialang baz=281 3.52 281 eP Pn 17 33 03.7 +0.1

IDC 26 17:36:24.4+2.2, 4:50S:141.740E, h0km, mb3.3/3, mb1 3.6/4, mb1mx3.3/21, mbtmp3.3/4, ML3.5/2, Error ellipse: s-maj=54.6km s-min=21.4km az=99.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JAY Jayapura, WARRAMUNGA ARR, ASAR Alice Springs, FITZ Fitzroy Crossi, MJAR Matsushiro Arr.

MAN 26 17:45:00.7, 7:14N:125:36E, h1km, mb4.5, ML3.3, MS3.1, 1C, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MATI Mati, BAGUMBAYAN SU, DON MARCELINO, GENERAL SANTOS.

SJA 26 17:56:51.7, 0.6, 24:26S:64:42W, h27km, 1km, ML3.1, MW3.5, Salta Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AZAP Zapla, LOMAS DE OLMED, SAN LORENZO, HJAH Humaahuca, YAVI, CATAYETE, HORCO MOLLE, CHOYA.

MAN 26 18:16:11.6, 5:77N:124:30E, h33km, mb4.9, ML3.8, MS3.7, 1C-2D, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GSPH General Santos, BAGUMBAYAN SU, COTABATO-PC H, DON MARCELINO, MUSAN, PAGADIAN, IPII, CAGAYAN DE ORO.

LDG 26 18:23:55.4, 0.1, 50:37N:7:39E, h1km, Md2.5/1, M2.3/1/1, Error ellipse: s-maj=1.5km s-min=1.5km az=125.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BHOU Houvezneq, MEM Membro, HGN Heimsgrno, WLF Walferdange, RCHB Rochefort, BGES Gesves, GIVF Givet, DOU Dourbes, CDF Champ du Feu, BAIF Baives, PAGF Fort de Pagny, MEZF Matziers J'vi, HINF Hinterfeld, SFTF Sextfontaines, LOR Lormes, SSF Saint Sault, AVF Avril sur Loir, LDF La Druitiere, FLN La Foliniere.

DDA 26 18:47:34.0, 38:38N:38:97E, h7km, M2.5

ISK 26 18:47:33.8, 38:41N:39:05E, h5km, ML 1.4/4

ISCJB 26 18:47:34.0, 0.5, 38:41N:0:03:39:05E, 0.05, h10km, 5km, Error ellipse: s-maj=6.9km s-min=4.7km az=170.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ELZG Elazig, SVRC Sivrice-ELAZID, PTK Pertek, AKCAD Akcadag, KEMALIE, DYBB Diyarbakir, ILIC ilic-Erzincan, SANLI SANLIURFA, MerK.

ISK 26 18:50:47.8, 38:42N:39:02E, h3km, ML 1.6/5

ISCJB 26 18:50:48.0, 0.5, 38:41N:0:03:39:03E, 0.04, h7km, 4.3km, Error ellipse: s-maj=4.9km s-min=4.2km az=140.7

DDA 26 18:50:48.1, 38:38N:39:00E, h7km, M2.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ELZG Elazig, SVRC Sivrice-ELAZID, PTK Pertek, AKCAD Akcadag, KEMALIE, DYBB Diyarbakir, HANI Diyarbakir, HANI HANI, DARE Darendemalaty, CUKAN kangal_SIVAS, SURC SANLIURFA, SVAN Silvan-Diyarba.

ISCJB 26 18:57:41.6, 0.5, 20:02S:0:04:69:07W, 0:08, h104km, mb3.7/3, Error ellipse: s-maj=10.4km s-min=8.8km az=1.3

IGC 26 18:57:42.0, 0.4, 20:09S:69:36W, h107km, 14km, ML 4.1

DDC 26 18:57:46.5, 2.2, 19:91S:68:83W, h130km, 20km, mb3.5/5, mb1 3.5/7, mb1mx3.3/20, mbtmp3.9/7, MS2.4/1, Ms1 2.5/1, ms1mx2.3/15, Error ellipse: s-maj=33.4km s-min=18.2km az=97.0

ISC 26 18:57:42.1, 0.8, 20:06S:0:04:69:21W, 0:09, h104km, n14, r136/16, mb3.6/3, 2D, Northern Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB12 IPOC Station P, LVC Limon Verde, PB05 IPOC Station P, LPAZ La Paz, CPUP Villa Florida, PLCA Paso Flores, BDFB Brasilia, PTGA Pitinga, DBIC Dimokro, TORO Torodi Arr, ASAR Alice Springs, WRA Warramunga Arr.

ISCJB 26 19:01:53.7, 0.3, 11:13N:0:04:126:62E, 0:05, h37km, mb4.4/38, MS3.3/2, Error ellipse: s-maj=7.1km s-min=4.7km az=160.7

MAN 26 19:01:55.6, 11:38N:126:35E, h95km, mb5.0, ML4.0, MS4.0

NEIC 26 19:01:55.4, 1.3, 11:11N:126:56E, h37km, 13km, mb4.6/25, Error ellipse: s-maj=8.7km s-min=4.7km az=72.0

IDC 26 19:01:58.3, 3.1, 11:16N:126:54E, h59km, 33km, mb3.8/19, mb1 4.0/20, mb1mx3.8/38, mbtmp4.1/20, ML4.3/1, MS2.6/2, Ms1 2.6/2, ms1mx2.4/33, Error ellipse: s-maj=24.1km s-min=10.5km az=77.7

ISC 26 19:01:55.0, 0.4, 11:17N:0:05:126:69E, 0:07, h37km, n77, r144/81, mb4.3/38, 2D-2D, Philippine Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PLP Palo, LLP Lapu-Lapu, CGP Cagayan de Oro, RCP Roxas, DAV Davao City, CTBH Cotabato-PC H, NTNT Ternate, LUWI Luwuk, SIJI Sorong, FAKI Fak Fak, SAUB Sibau, SAUM Saumlaki, MMRI Maumere, SOEI Soe, BATI Baunata, MTR Mantion Dam, MTN Samarang, JHJ Mitsune, PBKT Sadao Pong, KSAR Wonju Arr.

KSRS Korea Array 26.20 2 P P 19 07 28.8 +2.1

KSRS comp=Z,2.0nm,20.6s,baz=163,slow=14,SNR=4.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CISI Cisnet, CM01 Chiang Mai Arr, CM13 Chiang Mai Arr, CM14 Chiang Mai Arr, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, COEN Coen, WR1 Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, WB2 Warramunga Arr, MBWA Marble Bar.

USRK Ussuriysk Arr. 33.23 7 P P 19 08 29.8 +0.8

AS31 Alice Springs 35.33 169 eP P 19 08 47.8 +0.3

ASAR Alice Springs 35.33 169 P P 19 11 17.7 +0.3

AS01 Alice Springs 35.34 168 eP P 19 08 47.4 -0.1

CTAO Charters Town 36.55 148 eP P 19 08 57.0 -1.0

GTA Gaotai 36.89 324 P P 19 09 03.0 +2.2

GTA Stephens Creek 45.12 162 P P 19 10 08.9 +0.5

STKA Stephens Creek 45.12 162 P P 19 10 09.1 +0.7

PETK Petropavlovsk 48.66 24 P P 19 10 36.5 +0.7

PETK Petropavlovsk 48.66 24 P P 19 10 36.2 +0.4

PEA1 Petropavlovsk 48.66 24 P P 19 10 36.5 +0.7

MK01 Makanchi Array 51.57 322 eP P 19 10 58.5 +0.5

MK31 Makanchi Array 51.57 322 eP P 19 10 58.6 +0.5

MK32 Makanchi Array 51.57 322 eP P 19 10 57.8 -0.2

MKAR Makanchi Array 51.57 322 eP P 19 10 58.6 +0.5

ZAA0 Zalesovo Array 54.04 331 eP P 19 11 15.6 -0.5

ZALV Zalesovo Beam 54.04 331 eP P 19 11 16.6 +0.5

ZALV Zalesovo Beam 54.04 331 eP P 19 11 14.9 -1.2

ZAA1 Zalesovo Array 54.04 331 eP P 19 11 16.6 +0.5

KURK Kurk Peaks 66.97 319 eP P 19 11 27.4 +0.1

TIXI Tiksi 60.45 1 eP P 19 12 00.5 -0.6

BRVK Borovoye 61.24 325 eP P 19 12 06.5 -0.3

GEYT Alikebeck 66.34 307 P P 19 12 41.1 +0.4

ABKAR Akbulak array 66.47 319 eP P 19 12 40.4 -0.9

RPZ Rata Peaks 67.91 147 P P 19 12 51.6 +1.2

BKZ Black Stump Firm 68.21 140 eP P 19 12 52.6 +0.2

ILAR Eielson Array 78.46 26 P P 19 13 52.0 -0.4

ILB Eielson Array 78.46 26 P P 19 13 57.1 -0.7

ARAO ARCESS Array S 83.50 340 eP P 19 14 17.9 -1.3

ARCES ARCESS Array B 83.50 340 eP P 19 14 17.9 -1.3

BR101 Keskin Array 85.25 309 eP P 19 14 28.3 -0.7

BRTR Keskin Array B 85.25 309 eP P 19 14 28.3 -0.7

MAW Mawson 90.68 200 eP P 19 14 54.8 +0.9

MAW Mawson 90.68 200 eP P 19 14 54.4 +0.5

VNDA Vanda 90.76 173 P P 19 14 55.6 +1.5

VNDA Vanda 90.76 173 eP P 19 14 54.9 +0.7

TOA1 Torodi Arr. Sit 120.31 292 ePKPdf PKPdf 19 20 42.5 -1.3

TORD Torodi Arr. Bea 120.31 292 ePKPdf PKPdf 19 20 42.6 -1.3

NNC 26 19:13:05.0, 9.7, 36:65N:69:95E, h0km, mb3.6, mpv3.3, 5C-1D, Error ellipse: s-maj=7.4km s-min=6.7km az=154.0, Hindu Kush region

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like SFK Sufi-Kurgan, MNAS Manas, KK31 Karakoram Array, AAK Ala-Archa, AAK Ala-Archa.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like WJOW, JOW, USR, etc.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like KSH, MTN, FITZ, etc.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like OFUJ, JOM, JANG, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MCK McKinley, BWN Growne, IM3 Indian Mountai, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KSH comp=Z,310nm,5.2s, KSH comp=Z,330nm,7.3s, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SAML Samuel, TORD Torodi Arr, ASAR Alice Springs, etc.

Table with columns: Station, Frequency, Power, Modulation, and Signal Quality. Includes stations like MNGR, ALIB, GDB, ZANJAN, etc.

Table with columns: Station, Frequency, Power, Modulation, and Signal Quality. Includes stations like IKOM, MAK, HSAM, ECAT, etc.

Table with columns: Station, Frequency, Power, Modulation, and Signal Quality. Includes stations like IZEF, IGAR, GAZ, SVSK, etc.

26d 23h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like CEY, CSS, SKDS, Ljubljana, Javornik, etc.

2012 OCT

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like LPL, SENIN, BFO, CLL, HMF, etc.

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Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like RAYN, PRGR, AKTO, GEYTO, GYA0B, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BOSA, CMAR, BILL, SEY, KLR, YKA, YKA, COLD, NJ2, IM3, USA0B, USRKR, EGAK, ULM, MDM, MLY, ILAR, DAWY, HDA, WRH, SCRR, BPAW, DOT, KSO1, KSAR, KSAR, KSRS, MCK, MCK, DHY, YSS, YSS, HKT, SKT, PETK, MJAR, COCO, BDBF, PDAR, PDAR, PINE, ROSC, NVAR, TXAR, CPUP, WRA, ASAR, VNSA.

HEL 26:23:36.5, 67°87'N; 19°99'E, h0km, ML 1.9, Explosion

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KUA, KUA, KUA, KUA, RATU, RATU, RATU, RATU, NIKU, NIKU, NIKU, LANU, LANU, LANU, LANU, DUNU, DUNU, DUNU, MASU, MASU, MASU, MASU, SALU, SALU, SALU, SALU, KIF, KIF, KIF, KIF, PAJU, PAJU, PAJU, PAJU, HETTA, HETTA, HEF, HEF, HETTA, ERTU, ERTU, ERTU, ERTU, HARU, HARU, HARU, HARU, KALU, KALU, TLF, TLF, SGF, SGF, RNF, RNF, KEV, KEV, KEV, KEV, KUE, KUE, KUE, KUE.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MEX 26:23:30.6, CAIG, CAIG, ACAP, ACAP, ACX, MEIG, PLIG, PLIG.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MEX 26:23:43.45, PNIG, PNIG, VHO, VHO, HUIG, HUIG, CMIG, CMIG.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MEX 26:23:50.5, PNIG, PNIG, VHO, VHO.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like AFI, AFI, RAO, RAO, RAR, RAR, DZM, DZM, URZ, URZ, PPT, PPT, CTA, CTA, CTA, CTA, STKA, STKA, ASAR, ASAR, WRAB, WRAB, WRA, WRA, WRA, WRA, VNSA, VNSA, VNSA, VNSA, NVAR, NVAR, PMSA, PMSA, ILAR, ILAR, LPAZ, LPAZ, BRTR, BRTR, GERES, GERES.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA, WRA, WRA, WRA, VNSA, VNSA, NVAR, NVAR, PMSA, PMSA, ILAR, ILAR, LPAZ, LPAZ, BRTR, BRTR, GERES, GERES.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA, WRA, WRA, WRA, VNSA, VNSA, NVAR, NVAR, PMSA, PMSA, ILAR, ILAR, LPAZ, LPAZ, BRTR, BRTR, GERES, GERES.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA, WRA, WRA, WRA, VNSA, VNSA, NVAR, NVAR, PMSA, PMSA, ILAR, ILAR, LPAZ, LPAZ, BRTR, BRTR, GERES, GERES.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA, WRA, WRA, WRA, VNSA, VNSA, NVAR, NVAR, PMSA, PMSA, ILAR, ILAR, LPAZ, LPAZ, BRTR, BRTR, GERES, GERES.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA, WRA, WRA, WRA, VNSA, VNSA, NVAR, NVAR, PMSA, PMSA, ILAR, ILAR, LPAZ, LPAZ, BRTR, BRTR, GERES, GERES.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA, WRA, WRA, WRA, VNSA, VNSA, NVAR, NVAR, PMSA, PMSA, ILAR, ILAR, LPAZ, LPAZ, BRTR, BRTR, GERES, GERES.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CTAO, MBWA, HNR, COCO, TAU, TLY, MKAR.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like NEIC, NEIC, NEIC, NEIC, SJA, SJA, GAC, GAC, IDC, IDC.

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

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

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

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

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

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

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

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

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

27d 7h

Table with columns: Call Sign, Name, Comp, Az, El, Az El, SNR, P, Az El, P, Az El, P. Includes stations like CTAO Charters Tower, XMAS Kiriritami, TAU Tasmania Unive, etc.

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Table with columns: Call Sign, Name, Comp, Az, El, Az El, SNR, P, Az El, P, Az El, P. Includes stations like MAW Mawson, NJ2 Nanjing, PKM McPherson Peak, etc.

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Table with columns: Call Sign, Name, Comp, Az, El, Az El, SNR, P, Az El, P, Az El, P. Includes stations like M04C Macdoel, GRAC Grapevine Rang, FURC Furnace Creek, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

SOME 27 07:11:21.1, 47.97N-88.07E, h10km
NMC 27 07:11:22.01, 4.4, 48.81N-88.71E, h0km, mb3.8, mpv3.4,
Error ellipse: s-maj=11.6km s-min=7.9km az=67.0
ISC 27 07:11:22.63, 3.2, 48.78N-0.08, 88.3E, 0.2, h10km, n8,
c323/14, 4C-7D, Mongolia

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

27d 8h

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like KURBB, KAPS, DJR, etc.

ISCJB 27 07:11:42.4+1.0, 20.95S:0.06:68.4W:0.3, h153km, 22km, mb3.5/2, Error ellipse: s-maj=44.4km s-min=7.8km az=9.3

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like IPOC Station P, PB01, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like DJA 27 07:11:48.3+0.4, etc.

SOME 27 07:16:03.8, 44.62N:81.97E, h10km, Error ellipse: s-maj=11.4km s-min=3.6km az=121.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like DJR, DJR, KTMS, etc.

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

NNC 27 07:27:55.9-0.5, 50.01N:78.69E, h0km, mb3.4, mpv3.0, Error ellipse: s-maj=6.7km s-min=2.6km az=83.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like KURBB, KURKB, etc.

ISCJB 27 07:29:37.9-1.2, 41.15N:0.07:70.87E, h10km, Error ellipse: s-maj=10.6km s-min=6.4km az=21.4

SOME 27 07:29:37.4, 1.13N:71.15E, h5km, Error ellipse: s-maj=8.8km s-min=6.9km az=82.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like ARK, ARSB, etc.

ISCJB 27 07:34:37.7-0.8, 10.81S:0.08:162.14E:0.10, h54km, mb3.6/7, MS3.1/2, Error ellipse: s-maj=16.3km s-min=7.9km az=140.6

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like HNR, HNR, etc.

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Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like HNR, DZM, WRA, etc.

IDC 27 08:00:01.9-0.7, 36.84N:70.83E, h0km, mb3.9/20, mb1.4/1/25, mb1mx4.0/54, mbmp4.0/25, ML4.1/6, MS2.9/1, Ms1.2.9/1, ms1mx2.3/46, Error ellipse: s-maj=15.8km s-min=13.1km az=0.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like CEP, SFK, etc.

ISCJB 27 08:00:08.0-0.3, 37.09N:0.03:70.68E:0.04, h64km, mb4.0/40, Error ellipse: s-maj=4.9km s-min=4.3km az=136.3

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like SFK, CHCP, etc.

27d 9h

MOTA	Moosalm	comp=Z,19nm,0.6s	53.85 323 eP	P	09 41 52.0 -1.7
FETA	Feichten	comp=Z,43nm,1.3s,SNR=13	53.92 322 eP	P	09 41 53.2 -1.0
FUORN	Ofenpass-Fuorn	comp=Z,23nm,0.9s	54.02 322 eP	P	09 41 54.5 -0.5
BRG	Bergjesshubel	comp=Z,34nm,1.4s	54.08 328 eP	P	09 41 54.0 -1.1
BRG	Bergjesshubel	comp=Z,26nm,1.7s	i		09 41 59.6
BRG	Bergjesshubel	comp=Z,16nm,1.2s	i		09 41 54.0 -1.1
BRG	Bergjesshubel	comp=Z,16nm,1.2s	i		09 41 59.6
RETA	Reutte	comp=Z,26nm,1.7s	54.12 323 eP	P	09 41 54.0 -1.5
FUR	Furstenfeldbru	comp=Z,29nm,1.5s	54.15 324 P	P	09 41 55.4 -0.2
TOAO	Torodi Ar. Sit	comp=Z,80nm,1.0s	54.32 279 eP	P	09 41 57.9 +0.4
TOAO	Torodi Ar. Sit	comp=Z,80nm,1.0s	54.32 279 P	P	09 41 57.0 +0.4
TORD	Torodi Ar. Bea	comp=Z,3.6nm,0.7s,baz=125,slow=7.6,SNR=27	54.32 279 P	P	09 41 56.0 -1.4
TORD	Torodi Ar. Bea	comp=Z,3.6nm,0.7s,baz=125,slow=7.6,SNR=27	PcP		09 43 00.8 -0.6
TORD	Torodi Ar. Bea	comp=Z,3.8nm,1.0s,baz=39,slow=3.4,SNR=3.5	LR		10 04 06.9
DAVOX	Davos/Dischmat	comp=Z,100nm,19.8s,baz=35,slow=33	54.33 322 P	P	09 41 55.4 -1.8
KPJI	Karang Pucung	comp=Z,10nm,0.6s,baz=75,slow=2.1,SNR=14	54.36 106 P	P	09 41 59.0 +1.4
TUE	Stuetta	comp=Z,45nm,1.2s	54.52 321 eP	P	09 41 57.6 -0.7
NKC	Novy Kostel	comp=Z,16nm,1.2s	54.53 326 P	P	09 41 58.4 0.0
DAVA	Damuels	comp=Z,11nm,1.1s	54.56 322 i P	P	09 41 57.7 -1.1
CLL	Collim	comp=Z,19nm,0.7s,SNR=5.9	54.81 328 eP	P	09 42 00.1 -0.3
CLL	Collim	comp=Z,27nm,1.4s	54.81 328 i P	P	09 41 59.7 -0.7
CLL	Collim	comp=Z,33nm,1.5s	54.81 328 i P	P	09 42 06.6 -0.5
CLL	Collim	comp=Z,33nm,1.5s	54.81 328 i P	P	09 41 59.7 -0.7
MOY	Mondy	comp=Z,33nm,1.5s	54.89 32 eP	P	09 42 01.6 +0.5
GRFO	Grafenberg	comp=Z,44nm,2.4s	54.94 325 eP	P	09 41 59.2 -2.1
GRFO	Grafenberg	comp=Z,45nm,1.3s	54.94 325 eP	P	09 41 59.2 -2.1
STKI	Sintang	comp=Z,45nm,1.3s	54.95 97 P	P	09 42 03.6 +1.6
MOX	Moxa	comp=Z,45nm,1.3s	55.02 326 P	P	09 42 03.9 +0.6
SBUM	Sibu	comp=Z,13nm,0.9s	55.22 94 eP	P	09 42 04.6 +0.6
SBUM	Sibu	comp=Z,13nm,0.9s	55.22 94 P	P	09 42 11.0 +7.0
MBDF	Montbardon	comp=Z,9.0nm,0.8s	55.43 318 eP	P	09 42 04.9 -0.3
ZAK	Zakamensk	comp=Z,9.0nm,0.8s	55.44 34 eP	P	09 42 04.8 -0.3
SLE	Schleiheim	comp=Z,11nm,1.4s	55.61 322 P	P	09 42 06.8 +0.5
SENIN	Lac Senin/Sane	comp=Z,23nm,0.8s	55.75 320 eP	P	09 42 07.1 -0.4
LPL	La Plagne	comp=Z,23nm,0.8s	55.77 319 eP	P	09 42 06.0 -1.7
BFO	Black Forest	comp=Z,20nm,0.8s	55.96 323 eP	P	09 42 07.8 -1.0
BFO	Black Forest	comp=Z,20nm,0.8s	55.96 323 eP	P	09 42 08.4 -0.4
UGM	Wanagama	comp=Z,5.0nm,1.3s	56.03 106 P	P	09 42 16.3 +6.5
UGM	Wanagama	comp=Z,5.0nm,1.3s	56.03 106 P	P	09 42 09.9 0.0
SONM	Songit Array	comp=Z,1.65nm,1.1s	56.05 38 eP	P	09 42 10.3 +0.8
SONM	Songit Array	comp=Z,1.0nm,1.0s,baz=241,slow=7.1,SNR=51	56.05 38 eP	P	10 08 07.9
SONM	Songit Array	comp=Z,1.71nm,20.9s,baz=259,slow=38	56.05 38 eP	P	09 42 10.0 +0.4
SONM	Songit Array	comp=Z,1.71nm,20.9s,baz=259,slow=38	56.15 346 P	P	09 42 08.8 -1.0
TLY	Talaya	comp=Z,29nm,1.5s	56.30 33 eP	P	09 42 12.2 +1.1
TLY	Talaya	comp=Z,12nm,1.0s	56.30 33 P	P	09 42 13.0 +1.9
TLY	Talaya	SNR=7.6	56.30 33 eP	P	09 42 11.8 +0.7
WOJI	Wonogiri, Jawa	comp=Z,25nm,1.7s	56.39 106 P	P	09 42 13.1 +0.8
ULN	Ulaanbaatar	comp=Z,46nm,1.5s	56.46 38 eP	P	09 42 12.0 -0.5
ULN	Ulaanbaatar	comp=Z,46nm,1.5s	56.46 38 P	P	09 42 13.1 +0.6
ULN	Ulaanbaatar	SNR=7.6	56.46 38 eP	P	09 42 12.5 0.0
CABF	La Chapelle	comp=Z,24nm,1.7s	56.62 320 eP	P	09 42 12.9 -0.7
ECH	Echery	comp=Z,117nm,0.9s	56.62 322 eP	P	09 42 12.0 -1.5
ECH	Echery	comp=Z,30nm,1.3s	56.62 322 eP	P	09 42 12.0 -1.5
CDF	Champ du Feu	comp=Z,31nm,1.3s	56.63 322 eP	P	09 42 12.4 -1.2
HINF	Hinterfeld	comp=Z,83nm,1.4s	56.63 322 eP	P	09 42 11.9 -1.7
PCJN	Pacitan	comp=Z,13nm,0.8s	56.74 107 P	P	09 42 19.7 +4.9
TNS	Tanus Mts	comp=Z,42nm,1.5s	56.75 325 P	P	09 42 13.1 -1.4
TIY	Taiyuan	comp=Z,15nm,1.1s	56.77 51 eP	P	09 42 14.8 0.0
TIY	Taiyuan	comp=Z,16nm,0.5s	56.77 51 eP	P	09 42 14.8 0.0
WHN	Wuhan	comp=Z,410nm,19.6s	56.91 60 P	P	09 42 16.3 +0.5
IRK	Irkutsk	comp=Z,75nm,1.6s	56.92 33 eP	P	09 42 15.9 +0.4
PWJI	Pagerwojo	comp=Z,75nm,1.6s	57.28 106 P	P	09 42 19.3 +0.7
SUF	Sumiainen	comp=Z,34nm,1.0s	57.32 344 P	P	09 42 18.1 0.0
WLF	Waiferdange	comp=Z,40nm,1.4s	57.84 323 i P	P	09 42 21.1 -0.9
WLF	Waiferdange	comp=Z,40nm,1.4s	57.84 323 eP	P	09 42 21.5 -0.5
WLF	Waiferdange	comp=Z,50nm,1.1s	57.84 323 eP	P	09 42 21.5 -0.5
LOR	Lormes	comp=Z,51nm,1.1s	58.28 320 eP	P	09 42 24.0 -1.2
MEM	Membrach	comp=Z,42nm,1.1s	58.33 324 i P	P	09 42 25.8 +0.3
AVF	Averbach Loir	comp=Z,42nm,1.1s	58.43 319 eP	P	09 42 28.2 +2.0
SSF	Saint Saulege	comp=Z,48nm,1.7s	58.43 320 eP	P	09 42 24.9 -1.3
VAF	Ylistaro	comp=Z,39nm,1.0s	58.57 342 eP	P	09 42 25.9 -0.9
BCLA	Clavier	comp=Z,34nm,1.0s	58.65 324 i P	P	09 42 28.0 +0.3
BGF	Bois d'Agland	comp=Z,33nm,2.0s	58.67 319 eP	P	09 42 27.0 -0.9
GIVF	Givet	comp=Z,44nm,1.0s	58.80 323 eP	P	09 42 29.0 +0.3
DOU	Dourbes	comp=Z,31nm,1.0s	58.93 323 i P	P	09 42 29.3 -0.4
DOU	Dourbes	comp=Z,25nm,1.5s	58.93 323 P	P	09 42 30.2 +0.6

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BAIF	Baives	59.15 323 eP	P	09 42 30.9 -0.2	
BAIF	Baives	59.15 323 eP	P	09 42 30.9 -0.2	
MSF	Maaseika	comp=Z,57nm,1.3s	59.23 347 eP	P	09 42 31.5 +0.1
OUL	Oulu	comp=Z,57nm,1.3s	59.23 345 P	P	09 42 30.2 -1.6
UCC	Uccle	comp=Z,31nm,2.6s	59.36 324 eP	P	09 42 32.3 -0.3
UCC	Uccle	comp=Z,34nm,1.0s	59.36 324 eP	P	09 42 32.3 -0.3
ETSF	Etsaut	comp=Z,34nm,1.0s	59.84 314 eP	P	09 42 35.9 -0.3
ETSF	Etsaut	comp=Z,53nm,1.4s	60.14 49 eP	P	09 42 37.4 -0.8
BJT	Baijiatuu	comp=Z,33nm,1.3s	60.14 49 eP	P	09 42 37.4 -0.8
BJT	Baijiatuu	comp=Z,33nm,1.3s	60.14 49 eP	P	09 42 37.4 -0.8
BJT	Beijing	comp=Z,33nm,1.3s	60.15 49 P	P	09 42 38.0 -0.2
BJL	Beijing	comp=Z,17nm,1.3s	60.15 49 P	P	09 50 51.0 -0.3
BJL	Beijing	comp=Z,17nm,1.3s	60.15 49 P	P	09 50 51.0 -0.3
BJL	Beijing	comp=Z,230nm,17.7s	LR		10 08 38.0
BJL	Beijing	comp=Z,160nm,21.7s	LR		10 08 38.0
BJL	Beijing	comp=Z,520nm,30.0s	LR		10 08 38.0
SJPF	Ste Jean	comp=Z,17nm,0.8s	60.37 314 eP	P	09 42 39.3 -0.4
NJ2	Nanjing	comp=Z,17nm,0.8s	60.94 59 eP	P	09 42 44.0 +0.3
MDT	Midelt	comp=Z,15nm,0.5s	61.01 302 P	P	09 42 44.5 +0.1
NB2	NORSAR Subarra	comp=Z,11nm,1.0s,baz=100,slow=9.2,SNR=5.4	61.55 310 P	P	09 42 43.8 -1.1
NOA	NORSAR Array B	comp=Z,13nm,1.2s,baz=126,slow=6.9	61.18 336 P	P	09 42 44.2 -0.7
NOA	NORSAR Array B	comp=Z,0.8nm,0.6s,baz=126,slow=5.7,SNR=4.4	61.18 336 P	P	10 11 43.6
KIC	Kosan Boka	comp=Z,166nm,20.2s,baz=130,slow=38	61.27 272 eP	P	09 42 45.7 -0.6
DBIC	Dimbokro	comp=Z,16nm,0.8s,baz=69,slow=7.3,SNR=14	61.34 272 P	P	09 42 47.0 +0.3
DBIC	Dimbokro	comp=Z,16nm,0.8s,baz=69,slow=7.3,SNR=14	LR		10 08 38.0
TIC	Toumodi	comp=Z,95nm,21.4s,baz=68,slow=35	61.50 272 eP	P	09 42 47.6 -0.3
ES19	SONSECA Array	comp=Z,11nm,1.0s,baz=100,slow=9.2,SNR=5.4	61.55 310 P	P	09 42 47.4 -0.5
LIC	Lamto	comp=Z,182nm,1.3s	61.57 272 eP	P	09 42 48.0 -0.3
ESDC	Sonsec Array	comp=Z,11nm,1.0s,baz=100,slow=9.2,SNR=5.4	61.59 310 P	P	09 42 47.9 -0.2
ESLA	Sonsec Array	comp=Z,11nm,0.7s,baz=87,slow=8.5,SNR=5.1	61.59 310 eP	P	09 42 48.1 0.0
PAB	San Pablo	comp=Z,31nm,0.8s	61.86 310 eP	P	09 42 50.0 0.0
PAB	San Pablo	comp=Z,22nm,0.9s	61.86 310 eP	P	09 42 50.0 0.0
PAB	San Pablo	comp=Z,21nm,0.9s	61.86 310 eP	P	09 42 55.3 +2.1
TWG	Pinlang	comp=Z,182nm,1.3s	62.32 69 eP	P	09 42 55.3 -0.8
NR1K	Notrix	comp=Z,3.0nm,0.4s,baz=331,slow=24,SNR=3.9	62.60 12 P	P	10 13 28.7
NR1K	Notrix	comp=Z,3.0nm,0.4s,baz=331,slow=24,SNR=3.9	LR		10 13 28.7
ARCES	ARCCESS Array B	comp=Z,249nm,19.1s,baz=241,slow=39	63.00 348 eP	P	09 42 55.8 -1.1
ARCES	ARCCESS Array B	comp=Z,10nm,0.8s,baz=143,slow=5.4,SNR=15	63.00 348 eP	P	10 14 31.5
ARCES	ARCCESS Array B	comp=Z,7.0nm,19.4s,baz=158,slow=40	63.00 348 eP	P	09 42 56.6 -0.3
ARCES	ARCCESS Array B	comp=Z,10nm,0.8s,baz=143,slow=5.4,SNR=15	63.00 348 eP	P	09 42 56.5 -0.3
MAPA	Mapaga	comp=Z,11nm,1.1s	63.15 95 P	P	09 43 02.1 +3.2
PLAI	Piampang	comp=Z,11nm,1.1s	63.17 105 P	P	09 42 58.6 -0.5
TTSI	Tana Toraja	comp=Z,37nm,0.9s	63.73 98 P	P	09 43 10.2 +7.3
PBRG	Braganca	comp=Z,44nm,1.2s	64.06 312 eP	P	09 43 04.4 -0.2
PBRG	Braganca	comp=Z,44nm,1.2s	64.06 312 eP	P	09 43 10.6 -0.7
MVO	Moncorvo	comp=Z,43nm,2.2s	64.16 311 eP	P	09 43 05.4 +0.1
MVO	Moncorvo	comp=Z,43nm,2.2s	64.16 311 eP	P	09 43 10.3 +0.1
PCBR	Castelo Branco	comp=Z,31nm,1.7s	64.29 309 eP	P	09 43 05.9 -0.1
PCBR	Castelo Branco	comp=Z,31nm,1.7s	64.29 309 eP	P	09 43 10.8 -0.1
PBEJ	Beja	comp=Z,33nm,1.3s	64.32 307 eP	P	09 43 05.7 -0.6
PBEJ	Beja	comp=Z,33nm,1.3s	64.32 307 eP	P	09 43 13.0 0.0
BNEI	Bone	comp=Z,109nm,1.2s,comp=Z,1um	64.33 100 P	P	09 43 07.1 +0.4
BOD	Bodaibo	comp=Z,109nm,1.2s,comp=Z,1um	64.44 30 eP	P	09 43 00.8 -5.9
EVO	Evora	comp=Z,8.0nm,1.7s	64.51 308 eP	P	09 43 09.0 +1.5
EVO	Evora	comp=Z,36nm,1.5s	64.51 308 eP	P	09 43 15.6 +1.4
BKSI	Bulukumba	comp=Z,16nm,1.4s	64.55 101 P	P	09 43 09.6 +1.5
MESJ	Messeja	comp=Z,29nm,1.8s	64.58 307 eP	P	09 43 07.4 -0.5
MESJ	Messeja	comp=Z,32nm,1.5s	64.58 307 eP	P	09 43 07.5 -0.5
MESJ	Messeja	comp=Z,29nm,1.8s	64.58 307 eP	P	09 43 13.7 +0.9
MESJ	Messeja	comp=Z,32nm,1.5s	64.58 307 eP	P	09 43 07.4 -0.5
POLO	Masjed Olo	comp=Z,27nm,1.2s	64.77 311 eP	P	09 43 09.6 +0.4
MORF	Marmelete	comp=Z,35nm,1.0s	64.85 307 eP	P	09 43 15.7 -0.3
MORF	Marmelete	comp=Z,35nm,1.0s	64.85 307 eP	P	09 43 09.2 -0.6
WESI	Waikubak, Su	comp=Z,35nm,1.0s	64.93 105 P	P	09 43 11.1 +0.5
PTOM	Tomar	comp=Z,35nm,1.0s	64.97 309 eP	P	09 43 13.9 +3.5
PVFI	Vila Bisbo	comp=Z,130nm,1.7s	64.97 306 eP	P	09 43 10.7 +0.2
PFVI	Vila Bisbo	comp=Z,130nm,1.			

27d 10h

Table with columns for station name, frequency, power, and other technical details. Includes stations like EMIN, PAB, ESDC, EGRO, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like ALMR, PTOM, MTE, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like CN2, USRK, ASAR, etc.

BR131 Keskin Array S 86.47 311 eP P 11 03 59.0 -1.2
BRTR Keskin Array B 86.47 311 P P 11 04 00.2 +0.6
comp=Z=2.0nm,0.9s,baz=138,slow=7.6,SNR=12

MDD 27 10:51:41.1±0.9,37.07N,4.334W,h0km,mbLg1.4/7,Error ellipse: s-maj=9.2km s-min=4.1km az=21.0,PRXIMO,Spain

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Rows include EGOR Sierra Gorda, ELGUA Los Guajares, EQUER Quentar, EADA Adamuz, EQES Quesada, ECAB EI Cabril, EMIN Mina Concepcio, PVAQ Vaqueiros.

SFS 27 10:54:06.0,37.03N,4.35W,ML1.8,VILLANUEVA DEL TRABUCO (MALAGA)

MDD 27 10:54:06.8±0.6,37.05N,4.344W,h0km,mbLg1.7/10,1D,Error ellipse: s-maj=7.9km s-min=3.0km az=15.0,PRXIMO,Spain

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Rows include EGOR Sierra Gorda, EMAL Malaga-Limoner, ELGUA Los Guajares, EQUER Quentar, EADA Adamuz, EQES Quesada, ECAB EI Cabril, EMIN Mina Concepcio, PAB San Pablo, EBAD Badajoz, PVAQ Vaqueiros.

HLW 27 10:58:42.2,33.97N,26.21E,h33km,21km,M13.2
GII 27 10:58:47.4±0.0,33.88N,26.88E,h8km,M13.0/3
ISC 27 10:58:41.0±2.4,33.93N,01.2629E,0.09,h25km,n25,±25/23,Eastern Mediterranean Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Rows include SLUM Salum, HBRG Burjal Arab, SWAZ, HMYD Mayadein, CSS Mathiatis, KOT Kottamia, HSAT As Saiff, HHAG Hagoal, OFRI Ofer, HNTI Hanita, SLTI Salit, AMAZ Amatzia, MMLI Mount Malkishu, YTIY Yatir, HMDT Nahal Hemdat, DSI Dead Sea, MZDA Masada, PRNI Paran, ZFRI Zfiri, GHAI Ghor Haditha, HRFI Mount Harif, MBRI Mt Berech, EIL Eliat, HHRG AI Ghardaqah.

AZER 27 10:59:39.3±99.0,37.47N,50.87E,h14km,191km,m13.4/4,Error ellipse: s-maj=1603.0km s-min=30.4km az=300.0
TEH 27 10:59:45.7,37.00N,49.43E,h5km,ML3.5
ISCUB 27 10:59:48.3±0.4,36.92N,01.04,49.42E,0.06,h10km,Error ellipse: s-maj=8.2km s-min=3.5km az=143.5

ISC 27 10:59:46.7±0.9,37.00N,0.04,49.44E,0.04,h10km,n38,±178/35,5C-2D,Caspian Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Rows include ANAR Anarak.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Rows include IGZV Ghazvin, QALM Alamut, QABG Abargam, QABG, ISRB Sarab, ASTR Astara, CHTH Charan, LKRN Lenkeran, LKRK Lerik, LTRK Tehran, IBST Bostanabad, IAFJ Afjeh, GRMI Germi, HAGD Aghdareh, IHRS Heris, IPRN Peran, ASAO Ashtian, IDMV Damavand, IDMV Azarshahr, IAZR Azarshahr, HSAM Samen, ILIN Lien, GHVR GHOM, IFIR Firoozkooh, ILAS Lasjerj, ISHB Shabestar, ORD Orudbad, ORD Orudbad, ISHM Shahmirzad, IMRD Marand, IKIA Kiasar, KRSH Karshahi, IANJ Anjilo, IKLH Kolahrood, IKLH, IZEF Zefreh, ANAR Anarak.

comp=N,0.0nm,0.5s IAMB IAMB 11 02 40.0
ANAR comp=E,0.0nm,0.7s IAMB IAMB 11 02 46.0
comp=Z,0.0nm,0.6s

ISK 27 11:00:55.9,35.68N,32.86E,h14km,ML1.9/8,Cyprus region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Rows include TEKE Tekeli-Mersin, LFK Lefkose, BERE Bereket-Mersin, AKKU Akkuyu-Mersin, CSS Mathiatis, IKL Isikili, TEVE Tevekalti-Mers, KEBE Keben-Mersin, KIZK Mersin.

IDC 27 11:37:54.6±0.8,39.26N,73.54E,h0km,mb3.9/13,mb1.4,0/21,mb1mx3.9/57,mbtmp3.9/21,ML3.5/7,MS3.2/9,Ms1.3/2.9,ms1mx2.9/46,Error ellipse: s-maj=14.9km s-min=12.1km az=142.0

SOME 27 11:37:55.4,39.46N,73.32E,h25km,MS1.1
KRNET 27 11:37:56.0±0.1,39.46N,73.55E,h14km,mb4.2
NEIC 27 11:37:56.7±3.7,39.32N,73.53E,h13km,24km,mb4.4/9,Error ellipse: s-maj=10.8km s-min=6.8km az=165.0
BUJ 27 11:37:57.0,39.49N,73.39E,h7km,mb4.2/1,mb4.2/1,ML3.9/5

NNC 27 11:37:57.9±1.7,39.53N,73.61E,h0km,mb4.6,mpv4.3,Error ellipse: s-maj=19.7km s-min=8.6km az=73.0
ISC 27 11:37:58.7±1.3,39.33N,0.05,73.49E,0.03,h25km,9km,n112,±195/138,mb4.1/19,MS3.4/6,32C-24D,Tajikistan-Xinjiang border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Rows include SFK Sufi-Kurgan, DRK Karamyk, ARSB Arslanbob, ARS Batken, BTK Batken, ARLS Aral, ARK Arkit, ARK Arkit, AML Almayashu, NRN Naryn, NRN Naryn, UCH Uchtor, UCH Uchtor, KZA Kyzart, KZA Kyzart, MNAS Manas, MNAS Manas, MNAS Manas, EKS2 Erkin-Say, EKS2 Erkin-Say, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, MRKS Merke, KBK Karagaybulak, KBK Karagaybulak, FRU1 Bishkek, FRU1 Bishkek, ULHL Ulahol, BOOM Boomschoy usch, CHMS Chumysh, CHMS Chumysh, DZA Taraz, DZA Taraz, TKM2 Tokmak, TKM2 Tokmak, USP Ospanovka, USP Ospanovka.

Table with columns: KST, KasteK, Time, Az, El, P, Res. Includes stations like KST, IZV, KK31, etc.

Main table with columns: Code, Station Name, Az, El, P, Res. Includes stations like TIXI, GEC2, GERES, etc.

Table with columns: Code, Station Name, Az, El, P, Res. Includes stations like MNAS, KK31, SJA, etc.

27d 15h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like URZ Urewera, URZ Rata Peaks, RPZ Data Peaks, etc.

IDC 27 14:12:39.3:1.1, 21.18N:122.05E, h0km, mb3.5/4, mb1 3.6/5, mb1mx3.4/32, mbtmp3.6/5, ML3.2/1, MS2.8/2, MS1 2.8/2, ms1mx2.4/28, Error ellipse: s-maj=4.6/7km s-min=2.1km az=68.0

TAP 27 14:12:42.5:21.33N:122.06E, h22km, 1km, ML3.5, D JMA 27 14:12:44.0:0.3, 21.47N:121.92E, h8km, M3.2

ISC 27 14:12:41.5:3.1, 21.33N:122.05E:0.03, h15km, 21km, n82, c1501/133, mb3.5/4, Taiwan region

Main table for 27d 15h with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists numerous stations including LAY Lan-yu, TSEB Hengchuen, TWGBT Hengchuen, etc.

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Table with columns: TWK, Hsinying, 2.41 323 eP, Pb, 14 13 23.1 -1.5, etc. Lists stations like TWK Hsinying, ESL Shih, ENLB Shoufeng, etc.

IDC 27 14:23:00.7:1.4, 29.23N:140.76E, h0km, mb3.4/4, mb1 3.6/4, mb1mx3.3/32, mbtmp3.4/4, Error ellipse: s-maj=52.2km s-min=29.7km az=83.0, Southeast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like MKAR Makanchi Array, WRA Warramunga Arr, ASAR Alice Springs, etc.

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ISCJB 27 14:25:29.0:1.1, 37.19N:0.05:142.36E:0.10, h10km, mb3.1/2, Error ellipse: s-maj=11.5km s-min=7.5km az=3.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like JFK Kawachi, JMM Marumori, JFFD Fukushimafurud, etc.

BUJ 27 15:00:42.4, 2.66S:100.70E, h70km, mb4.9/38, mb5.1/21, Ms4.7/7, Ms7 4.5/4

KLM 27 15:00:46.0, 2.37S:100.69E, h33km, mb4.9

ISCJB 27 15:00:47.0:3.2, 13S:0.03:100.81E:0.03, h79km, 3km, mb4.6/39, Error ellipse: s-maj=6.3km s-min=3.7km az=145.9

IDC 27 15:00:49.0:2.6, 2.00S:100.99E, h73km, 23km, mb4.2/25, mb1 4.3/27, mb1mx4.2/35, mbtmp4.5/27, MS3.4/14, MS1 3.4/14, ms1mx3.1/37, Error ellipse: s-maj=4.7km s-min=3.9km az=61.0

NEIC 27 15:00:48.0:8.0, 2.07S:100.94E, h76km, 7km, mb4.7/77, Error ellipse: s-maj=11.9km s-min=5.7km az=58.0

DJA 27 15:00:48.0:4.2, 3.17E:1.11E:1.0, h27km, 4km, M8.1/19, mb4.7/5, mb5.3/4, MLV5.0/19, Mw(mb)4.7/4

ISC 27 15:00:49.6:0.7, 2.15S:0.04:100.83E:0.04, h81km, 6km, n143, c191/135, mb4.7/39, 1C, Southern Sumatra

Main table for 1266 with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists numerous stations including KRJI Kerinci, PPSI Pulau Pagai, PDSI Padang, etc.

JMA 27 14:25:25.4:0.2, 37.04N:142.75E, h33km, M3.0

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, Phase ID, Time Res, and various station codes like BESP, PLP, BUTP, etc.

OTT 27 15:45:45.7±0.5, 74.10N; 126.81E, h18km, ML3.1/2, 285km northeast from Pond Inlet, Nu Baffin Bay Seismic Zone.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and various station codes like TULEG, KULLO, etc.

MAN 27 15:46:24.2, 10.58N; 126.97E, h77km, mb5.8, ML4.8, MSS.2
IDC 27 15:46:25.4±3.3, 10.42N; 126.80E, h15km±20km, mb4.9/31, mb1 5.0/33, mb1mx5.0/36, mbtmp5.0/33, ML4.4, 2, MS4.6/21, Ms1 4.6/21, ms1mx4.4/34, Error ellipse: s-maj=14.8km s-min=8.2km az=85.0
BUJ 27 15:46:25.4, 10.25N; 126.93E, h39km, mb5.0/73, MB5.5/56, Ms5.1/79, Ms7 4.9/73
MOS 27 15:46:26.4±1.2, 10.45N; 126.88E, h33km, mb5.4/68, MS4.9/12, Error ellipse: s-maj=9.5km s-min=4.6km az=110.4
ISCJB 27 15:46:26.6±0.1, 10.44N; 102.126; 83E; 0.02, h33km, mb5.0/192, MS4.8/48, Error ellipse: s-maj=2.9km s-min=2.2km az=0.6
GCMT 27 15:46:27.4±0.1, 10.51N; 01.126; 89E; 0.01, h12km, MW5.3/131, Moment Tensor Solution. s77, c111; s131, c232; Duration: t=1 Moment tensor: Scalar 1017 Nm; M1: -1.15±.01; M2: 0.22±.01; M3: 0.92±.01; M4: 0.03±.04; M5: -0.30±.01; M6: 0.24±.04; Best double couple: M1: 12100±1017, N1: 165.00000±, S1: 0.00000±, 1-84.00000±, N2: 335.00000±, S2: 0.00000±, 1-97.00000±. Principal axes: T 1.0620, P16.0000, Azm250.0000; N 0.1210, P15.0000; Azm341.0000; P -1.1810, P163.0000; Azm110.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function
NEIC 27 15:46:28.4±0.1, 10.42N; 126.81E, h35km, mb5.2/93 Error ellipse: s-maj=5.3km s-min=3.1km az=80.0
DJA 27 15:46:40.8±0.6, 10.15N; 127.17E, h63km±6km, M5.3/29, mb5.2/29, mb5.6/28, MLV5.9/17, Mw(mB)5.2/28
ISC 27 15:46:27.8±0.6, 10.45N; 0.02; 126.89E; 0.04, h32km±3km, n519, r162/584, mb5.1/194, MS4.8/49, 33C-172, Philippine Island region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and various station codes like SCPH, SURIGAO, BORONGAN, BUTAN, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and various station codes like NJ2, comp=E.650nm, 4.3s, etc.

27d 15h

Table with columns: Name, Comp, Az, El, P, Az, El, P. Rows include: BILL Bilibino, BILL Bilibino, BILL Bilibino, BILL Bilibino, BILL Nori'sk, NRIK Nori'sk, NRIK Nori'sk, GEYT Alibeck, GEYT Alibeck, AB31 Akbulak array, AB31 Akbulak array, ABKAR Akbulak array, RPZ Rata Peaks, BKZ Black Stump Fm, SOHO SOHO, UOSS Hatta, HATT Hatta, ASHO Ashdijah, SVE Sverjlovsk, AKTO Aktyubinsk, AKTO Aktyubinsk, ALNE Al Ain, ASUD Al Ashush, ARU Arti, WHFO Wadi Hawf, AKT Akhty, AKT Akhty, KDACK Kodiak Island, IM3 Indian Mountain, PPLA Purkeypile, PRGR Permogore, BRLL Bradley Lake, BPAW Bear Paw Mtn, GNI Garni, GNI Garni, GNI Garni, MASY Manley, CASY Casey, TRF Thorofore Moun, COLD Coldfoot, RC01 Rabbitt Creek, SEW Seward, ZEI Tsey, BWN Browne, TOLK Toolik Lake Re, PMR Palmer, PMR Palmer, PMR Palmer, NCK Nalchik, CLDR Caldrian, RAYN Ar Rayn, RAYN Ar Rayn, RAYN Ar Rayn, MCK McKinley, MCK McKinley, MCK McKinley, RND Reindeer, RND Reindeer, AKH Akhalkalaki, AKH Akhalkalaki, AKH Akhalkalaki, SML Sawmill, SML Sawmill, SML Sawmill, CUDK Murphy Dome, MDM Cukura, WRH Wood River Hill, VANB Van, KBZ Khabaz, COLA College, COLA College, COLA College, KARS Kars, KARS Kars, KARS Kars, CCB Clear Creek, KIV Kislovodsk, KIV Kislovodsk, KIV Kislovodsk, KIV Kislovodsk, KIV Kislovodsk, NEY Neytrino, NEY Neytrino, AGRB Hanur-Agry, DHY Denali Highway, SCM Sheep Creek Mo, VRH Novokhovorsky, VRH Novokhovorsky, HDA Harding Lake, GLI Glacier Island, IL1 Eielson Array, ILAR Eielson Array

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Table with columns: Name, Comp, Az, El, P, Az, El, P. Rows include: ILB Eielson Array, SENK Senkaya-Erzuru, FID Port Fidalgo, SIRT Sirkak, KLU Klutina, DIV Divide, FYU Fort Yukon, HARP HAARP, RIDG Independe't Rid, VRTB Varto-Mus, BMRM Bremner River, RAGM Ragged Mountai, SVAN Silvan-Diyarba, DOT Dot Lake, SCRK Sand Creek, VORD Divnogorie, VSR Storzhevoje, VSR Storzhevoje, LPSR Galich'ya Gora, LPSR Galich'ya Gora, BNGB Bing'ji, YEDI Yedisu-Bingol, MIR Mirnyy, MIR Mirnyy, MOS Moscow, MOS Moscow, MOS Moscow, EGAK Eagle, OBN Obninsk, OBN Obninsk, OBN Obninsk, OBN Obninsk, DARE Darend-Malaty, GAZ Gaziantep, TOKT Tokat, KMRS Kahramanmaraş, INK Inuvik, INK Inuvik, ARCES ARCESS Array B, ARCES ARCESS Array B, ARCES ARCESS Array B, AREO ARCESS Array B, AREO ARCESS Array B, BNN Bunyan, TAHT Tahtakopru-Hat, HAMF Hammerfest, KOZT Kozan, YOZ Yozgat, SIM 'Simferopol', SKAG Skagway, CORM Corum, KTK1 Kautakeino, HEF Hetta, CANT Cankiri, BR11 Keskin Array S, BR11 Keskin Array S, BRTR Keskin Array B, KAMT Kama, KIF Kilsipjarvi, KIZK Kizilirmis, SERE Serefikochisa, AFSR AT-ar-Bala (A), KEBE Kaben-Mersin, VSU Vasula, IKL Isikli, ANTO Ankara, ANTO Ankara, ANTO Ankara, BR231 Keskin Mr Arra, AKKU Akkuyu-Mersin, LFK Lefkose, AKASO Malin Array Be, AKBB Malin Array Si, BERE Bereket-Mersin, KIEV Kiev, KIEV Kiev, KIEV Kiev, AK11 Malin Array Si, TEKE Tekeli-Mersin, CSS Mathias, PPT2 Papeete2, PPT2 Papeete2, LADK Ladik-KONYA, LEF Lefka, KIZT Kizilcay, SVRH Sivrihisar-ESK, GULT Gulveren, TFCR Tubuai, TBI Tubuai, SUTO Sutuice, ISPARTA Isparta, ISPARTA Isparta, ISPARTA Isparta, ADVT Abdulvahap, CFR Carcaui, KORR Korkuelli, TL15 Topali, HARR Harsova, ISK Istanbul-Kandi, MORB Mori Rana, PRAR RASCA, SUW Suwalki, SUW Suwalki

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Table with columns: Name, Comp, Az, El, P, Az, El, P. Rows include: VRI Vricioiaia, KMBO Kilima Mbingo, VVDA Vanda, VVDA Vanda, VVDA Vanda, VVDA Vanda, MAW Mawson, MAW Mawson, MAW Mawson, BURAR Bucovina Array, BURAR Bucovina Ar. S, BUR08 Bucovina Ar. S, MLR Muntele Rosu, LVV L'vov, DAG Danmarks Havn, DAG Danmarks Havn, SBA Scott Base, SBA Scott Base, SBA Scott Base, HUMR Humele, HUMR Humele, TRPA Tarpa, TRPA Tarpa, UZH Uzhgorod, UZH Uzhgorod, TBLU Trondheim, NC405 NORSAR Array S, NIE Niedzica, NIE Niedzica, OJC Ojcow, NB2 NORSAR Subarra, NB2 NORSAR Subarra, NB2 NORSAR Subarra, NOA NORSAR Array B, VTS Vitosh, VTS Vitosh, NC204 NORSAR Array S, LANS Liptovska Anna, LANS Liptovska Anna, YKA Yellowknife Ar, PSZ Piszkesteto, PSZ Piszkesteto, PSZ Piszkesteto, VYHS Vyhne, VYHS Vyhne, VYHS Vyhne, TAOE Nuku Hiva Isla, JAVC Velka Javorina, DPC Dobruska-Polom, DPC Dobruska-Polom, VRAO Moravsky, KRUC Moravsky, TREC Trest, PVCC Panska Ves, GOPC GO Pecny, BRG Berggiesshubel, BRG Berggiesshubel, BRG Berggiesshubel, BRG Berggiesshubel, CONA Conrad Obsvas, CLL Colim, CLL Colim, CLL Colim, ARSA Arzberg, KHC Kasperske Hory, KHC Kasperske Hory, KHC Kasperske Hory, GEC2 GERESS Array S, GEC2 GERESS Array S, GERESS Array S, GERA GERESS Array S, GERA GERESS Array S, MOA Molin, OBKA Obkir, B08A Colville Reser, ABY Alfattersbach, SOTO Syowa Base, WTTA Wattenberg, MOTA Sankt Quirin, SQA Moosalm, RKT Rikitea, NVAR Mina Array Bea, PDAR Pinedale Array, TXAR Lajitas Array, TXAR Lajitas Array, TXAR Lajitas Array, TORO Torodi Ar, TORO Torodi Ar, TORO Torodi Ar, KIC Kosan Boka, KIC Kosan Boka, KIC Dimbokro, KIC Dimbokro

Z47A	Carrollton	baz=189	18.97	11	P	Pn	16 26 21.6 +0.4
YOTC	Yotoco, Valle	baz=194,SNR=7.5	19.00	122	eP	Pn	16 26 20.4 -0.2
151A	Opelika	baz=202,SNR=27	19.01	19	P	Pn	16 26 22.4 +0.6
LRAL	Lakeview Retre	comp=Z,52nm,0.5s	19.04	14	eP	Pn	16 26 22.9 +0.8
LRAL	Lakeview Retre	baz=197,SNR=7.4	19.04	14	P	Pn	16 26 22.8 +0.7
ABTX	Abliene, Hawle	comp=Z,53nm,1.2s	19.15	341	eP	Pn	16 26 24.4 +0.9
ABTX	Abliene, Hawle	baz=159,SNR=9.7	19.15	341	P	Pn	16 26 24.5 +0.9
254A	Abbeville	baz=208	19.21	24	P	Pn	16 26 25.6 +1.5
Y41A	Eaglette Beard	baz=189	19.23	359	P	Pn	16 26 24.4 -0.1
Z48A	Northport	baz=195	19.24	12	P	Pn	16 26 24.6 +0.1
Z49A	Columbiana	baz=198,SNR=8.7	19.30	15	P	Pn	16 26 25.8 +0.5
152A	Waverly Hall	comp=Z,76nm,0.4s	19.34	20	eP	Pn	16 26 25.9 +0.1
152A	Waverly Hall	baz=204,SNR=19	19.34	20	P	Pn	16 26 25.8 +0.1
RREF	El Recreo	baz=204,SNR=19	19.34	118	eP	Pn	16 26 26.9 +0.3
LP1G	La Paz	comp=Z,11nm,0.3s,ba	19.36	302	eP	Pn	16 26 25.8 -0.2
Y40A	Okolona	comp=Z,11nm,0.3s,ba	19.38	358	eP	Pn	16 26 27.3 +1.2
Y45A	Yeager Farm, C	baz=178,SNR=5.0	19.39	7	P	Pn	16 26 26.8 +0.5
Y44A	Strider, Charl	baz=189	19.42	5	P	Pn	16 26 26.9 +0.3
Y46A	Houston	baz=187	19.50	9	P	Pn	16 26 27.6 0.0
ANIL	Santa Ana	baz=191,SNR=10	19.51	119	eP	Pn	16 26 32.2 +4.0
Z50A	Ashland	baz=192	19.52	16	eP	Pn	16 26 27.8 -0.1
Z50A	Ashland	comp=Z,54nm,0.6s	19.52	16	P	Pn	16 26 28.0 +0.1
153A	Fort Valley	baz=200,SNR=16	19.63	22	P	Pn	16 26 29.8 +0.7
Y47A	UCPARC, Winfie	baz=206	19.69	11	P	Pn	16 26 29.9 +0.1
Z51A	Franklin	baz=194	19.79	18	P	Pn	16 26 30.6 -0.4
OTAV	Otavallo	baz=202	19.83	135	eP	Pn	16 26 32.3 +0.2
Y48A	Jasper	comp=Z,7.0nm,1.3s	19.84	13	P	Pn	16 26 30.7 +1.2
X40A	Basin Creek Fa	baz=196,SNR=7.1	19.84	359	P	Pn	16 26 32.9 +1.2
X41A	Kaden, Bauxite	baz=189	19.85	360	P	Pn	16 26 31.6 -0.1
154A	Montrose	baz=181	19.87	24	P	Pn	16 26 30.9 +1.1
Z52A	Williamson	baz=204,SNR=10	19.91	20	P	Pn	16 26 32.4 -0.1
X43A	Marvell	baz=185	19.92	4	P	Pn	16 26 34.8 +2.3
X39A	Fountain Ranch	baz=198,SNR=5.4	19.92	356	P	Pn	16 26 32.3 -0.3
MIAR	Mount Ida	comp=Z,182nm,1.4s	19.93	357	eP	Pn	16 26 32.3 -0.3
MIAR	Mount Ida	baz=193	19.93	357	eP	Pn	16 26 32.3 -0.3
MIAR	Mount Ida	comp=Z,182nm,1.4s	19.93	357	P	Pn	16 26 31.6 +1.2
X45A	UM Field Stati	baz=178,SNR=10	19.96	7	P	Pn	16 26 32.5 -0.5
Y49A	Blount Mountai	baz=189	19.96	15	eP	Pn	16 26 32.4 -0.7
Y49A	Blount Mountai	comp=Z,34nm,0.8s	19.96	15	P	Pn	16 26 32.4 -0.7
OXF	Oxford	baz=198,SNR=5.1	20.05	7	eP	Pn	16 26 33.3 -0.7
OXF	Oxford	comp=Z,169nm,1.4s	20.05	7	eP	Pn	16 26 33.3 -0.7
OXF	Oxford	baz=169	20.05	7	eP	Pn	16 26 33.1 -0.9
X37A	Clayton	baz=189	20.12	353	eP	Pn	16 26 34.7 -0.2
155A	Kite	comp=Z,114nm,1.3s	20.13	25	P	Pn	16 26 36.2 +1.1
Y50A	Piedmont	baz=210	20.17	16	P	Pn	16 26 34.8 -0.7
X46A	Booneville	baz=192	20.20	9	P	Pn	16 26 34.8 +1.3
ROSC	El Rosal	comp=Z,0.9nm,0.3s,ba	20.26	117	P	Pn	16 26 34.3 -0.3
X47A	Russellville	baz=252,slow=19,SNR=2.8	20.29	11	P	Pn	16 26 35.4 +1.0
Z53A	Monticello	baz=194,SNR=8.7	20.29	22	P	Pn	16 26 35.6 +1.2
PRAC	Prado	baz=206,SNR=6.4	20.36	120	eP	Pn	16 26 35.7 +0.3
Y51A	Rockmart	baz=201	20.37	18	P	Pn	16 26 37.0 -0.8
X48A	Hartselle	baz=201	20.39	13	eP	Pn	16 26 35.9 +0.4
X48A	Hartselle	comp=Z,30nm,0.7s	20.39	13	P	Pn	16 26 36.3 +0.9
GOGA	Godfrey	baz=196,SNR=7.9	20.45	22	eP	Pn	16 26 37.7 -1.0
GOGA	Godfrey	comp=Z,27nm,0.7s	20.45	22	eP	Pn	16 26 37.7 -1.0
GOGA	Godfrey	baz=199	20.45	22	eP	Pn	16 26 37.8 -1.0
GOGA	Godfrey	comp=Z,27nm,0.7s	20.45	22	P	Pn	16 26 37.8 -1.0
Z54B	Spartanburg	baz=206,SNR=6.3	20.52	23	P	Pn	16 26 39.9 +0.3
W14F	Gary Mavity, V	baz=208,SNR=5.1	20.52	0	P	Pn	16 26 39.8 -0.7
W40A	Ferguson Farm,	baz=181,SNR=5.7	20.55	358	P	Pn	16 26 40.1 +0.2
W39A	Magazine	baz=173	20.58	357	P	Pn	16 26 39.9 -0.4
X49A	Woodville	baz=177,SNR=7.2	20.61	14	P	Pn	16 26 38.7 +0.9
Y52A	Libburn	baz=198	20.65	20	eP	Pn	16 26 39.8 +1.5
Y52A	Libburn	comp=Z,106nm,1.2s	20.65	20	P	Pn	16 26 39.9 +1.5
GD12	Guadalupe Moun	baz=204,SNR=13	20.68	30	eP	Pn	16 26 41.6 0.0
PLAL	Pickwick Lake	comp=Z,13nm,0.7s	20.70	13	eP	Pn	16 26 42.1 +0.2
W45A	Hickory Valley	baz=199	20.71	7	P	Pn	16 26 42.1 +0.2
X50B	Fort Payne	baz=199,SNR=15	20.73	16	P	Pn	16 26 40.3 +1.0
MNTX	Cornudas Mount	baz=199	20.78	327	eP	Pn	16 26 41.7 -1.1
MNTX	Cornudas Mount	comp=Z,45nm,1.1s	20.78	327	P	Pn	16 26 41.7 -1.1
W46A	Michie	baz=143,SNR=41	20.80	9	P	Pn	16 26 40.4 +0.5
Y53A	Monroe	baz=192,SNR=7.3	20.80	21	P	Pn	16 26 41.6 +1.6
RUSC	La Rusia	baz=205,SNR=8.2	20.86	112	eP	P	16 26 37.9 -3.3
CHIC	Chingaza	baz=196,SNR=7.9	20.87	116	eP	P	16 26 39.8 -1.5
WMOK	Wichita Mounta	comp=Z,52nm,1.5s	20.90	345	eP	P	16 26 42.3 +1.3
WMOK	Wichita Mounta	baz=199	20.90	345	eP	P	16 26 42.3 +1.3
WMOK	Wichita Mounta	comp=Z,52nm,1.5s	20.90	345	P	P	16 26 42.3 +1.6
W47A	Westpoint	baz=163,SNR=10	21.05	11	P	P	16 26 43.0 +0.3
X51A	Calhoun	baz=194,SNR=8.0	21.05	18	P	P	16 26 43.7 +1.0
W48A	Pulaski	baz=201	21.07	13	P	P	16 26 43.4 +0.6
V41A	Mountainview	baz=196,SNR=9.2	21.14	1	P	P	16 26 44.2 +0.6
Y54A	Tignall	baz=182,SNR=8.5	21.14	23	P	P	16 26 45.8 +2.3
V40A	Witts Springs	baz=207	21.16	359	eP	P	16 26 45.1 +1.3
V40A	Witts Springs	comp=Z,21nm,0.6s	21.16	359	P	P	16 26 45.8 +2.0
V42A	Cord	baz=180,SNR=10	21.17	2	P	P	16 26 45.7 +1.8
W49A	Belvidere	baz=184	21.20	14	P	P	16 26 45.5 +1.3

V39A	Pettigrew	baz=197,SNR=13	21.22	357	P	P	16 26 46.4 +1.9
V45A	Humboldt	baz=178,SNR=6.5	21.32	8	P	P	16 26 46.0 +0.6
SWET	Seawane	baz=202	21.38	15	eP	P	16 26 46.9 +0.8
X52A	Dahlonega	comp=Z,58nm,0.5s	21.38	20	P	P	16 26 47.1 +0.9
TUL1	Leonard	baz=204,SNR=7.8	21.47	352	eP	P	16 26 48.4 +1.2
TUL1	Leonard	comp=Z,30nm,0.8s	21.47	352	eP	P	16 26 48.4 +1.2
MSTX	Muleshoe	baz=172,SNR=5.4	21.48	336	eP	P	16 26 48.3 +1.2
MSTX	Muleshoe	comp=Z,94nm,1.3s	21.48	336	P	P	16 26 48.6 +1.2
X53A	Estanolle	baz=153,SNR=24	21.49	21	P	P	16 26 48.6 +1.3
V46A	Holladay	baz=205,SNR=5.9	21.50	10	P	P	16 26 47.1 -0.2
W50A	Signal Mountai	baz=192,SNR=8.4	21.52	16	eP	P	16 26 48.2 +0.6
W50A	Signal Mountai	comp=Z,52nm,0.6s	21.52	16	P	P	16 26 48.0 +0.4
NHSC	New Hope	baz=200,SNR=5.7	21.55	29	eP	P	16 26 52.3 +4.4
NHSC	New Hope	comp=Z,59nm,1.4s	21.55	29	P	P	16 26 48.3 +0.3
V47A	Nunnely	baz=214	21.62	11	P	P	16 26 48.6 -0.1
W51A	Cleland	baz=194,SNR=9.7	21.64	17	P	P	16 26 49.5 +0.7
V48A	Smith Brothers	baz=201	21.68	12	eP	P	16 26 49.7 +0.4
V48A	Smith Brothers	comp=Z,66nm,1.3s	21.68	12	P	P	16 26 49.5 +0.2
U41A	Viola	baz=195,SNR=12	21.70	1	P	P	16 26 50.3 +0.8
U40A	Yellville	baz=182	21.71	359	P	P	16 26 50.5 +0.9
U42A	Reviden	baz=190,SNR=7.0	21.72	3	P	P	16 26 50.9 +1.1
U39A	Green Forest	baz=184,SNR=6.8	21.75	358	P	P	16 26 50.9 +0.8
U43A	Rector	baz=178,SNR=5.5	21.79	4	P	P	16 26 51.1 +0.7
W52A	Murphy	baz=186	21.82	19	P	P	16 26 52.8 +1.9
WVT	Waverly	comp=Z,39nm,1.1s	21.86	10	eP	P	16 26 50.8 -0.5
WVT	Waverly	baz=193	21.86	10	eP	P	16 26 50.8 -0.5
WVT	Waverly	comp=Z,39nm,1.1s	21.86	10	P	P	16 26 51.4 +0.2
AMTX	Amarillo	baz=193	21.89	339	eP	P	16 26 52.5 +0.7
AMTX	Amarillo	comp=Z,74nm,0.9s	21.89	339	P	P	16 26 52.7 +0.9
V49A	McMinnville	baz=156	21.91	14	P	P	16 26 51.8 +0.1
U45A	Rockin P Farm,	baz=198,SNR=9.5	21.94	8	P	P	16 26 52.6 +0.5
V50A	Pikeville	baz=189	22.02	16	P	P	16 26 53.5 +0.5
SDV	Santo Domingo	baz=200,SNR=5.6	22.04	102	P	P	16 26 52.8 -0.8
SDV	Santo Domingo	comp=Z,7.9nm,0.6s,ba	22.04	102	LR	LR	16 36 51.3
W53A	Cullowhee	comp=Z,126nm,19.1s,ba	22.14	20	P	P	16 26 55.9 +1.4
PBMO	Poplar Bluff	baz=205	22.20	4	eP	P	16 26 54.2 -0.6
U47A	Clarksville	comp=Z,37nm,0.4s	22.26	11	P	P	16 26 55.3 -0.2
V51A	Loudon	baz=194	22.35	17	P	P	16 26 57.2 +0.6
T39A	Cleaver	baz=201	22.39	358	P	P	16 26 56.7 -0.3
TKL	Tuckaleechee C	baz=178,SNR=11	22.39	19	P	P	16 26 57.0 0.0
TKL	Tuckaleechee C	comp=Z,66nm,0.5s,ba	22.39	19	P	P	16 26 57.0 0.0
TKL	Tuckaleechee C	baz=191,slow=12,SNR=36	22.39	19	eP	P	16 26 57.0 0.0
TKL	Tuckaleechee C	comp=Z,99nm,1.3s	22.39	19	eP	P	16 26 57.0 0.0
T41A	Mountain View	baz=199,SNR=13	22.40	1	P	P	16 26 57.0 -0.1
T42A	Van Buren	baz=182,SNR=14	22.41	3	eP	P	16 26 56.2 -1.0
T42A	Van Buren	comp=Z,15nm,1.0s	22.41	3	P	P	16 26 56.1 -1.0
X38A	Diamond	baz=184,SNR=5.9	22.44	356	P	P	16 26 57.2 -0.4
T43A	Cassie Pea, Po	baz=178,SNR=10	22.48	12	P	P	16 26 57.2 -0.7
T40A	Mansfield	baz=196,SNR=9.7	22.50	360	P	P	16 26 57.8 -0.3
T43A	Benton	baz=180,SNR=6.5	22.51	4	P	P	16 26 57.6 -0.6
T44A	Benton	baz=186,SNR=14	22.57	6	P	P	16 26 58.5 -0.3
Y52A	Sevville	baz=198,SNR=5.6	22.62	19	P	P	16 27 00.3 +0.9
U49A	Red Boiling Sp	baz=203,SNR=9.0	22.65	14	P	P	16 26 59.2 -0.5
V53A	Saluda	baz=198,SNR=20	22.71	21	eP	P	16 27 00.9 +0.4
V53A	Saluda	comp=Z,105nm,1.5s	22.71	21	P	P	16 27 01.4 +0.9
121A	Cookes Peak, D	baz=205,SNR=5.4	22.73	325	P	P	16 27 03.7 +2.9
T46A	Princeton	baz=199,SNR=13	22.75	9	P	P	16 27 00.5 -0.2
319A	Douglas	baz=192,SNR=5.5	22.78	320	eP	P	16 27 03.8 +2.4
KMSC	Kings Mountain	comp=Z,42nm,1.0s	22.79	24	P	P	16 27 01.6 +0.5
U50A	Jamestown	baz=209,SNR=6.5	22.79	24	P	P	16 27 00.9 -0.3
T47A	Sharon Grove	baz=200,SNR=8.6	22.83	11	eP	P	16 27 00.4 -1.2
T47A	Sharon Grove	comp=Z,77					

Table with columns: BILL, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Bilibino, NORASR Subarra, NOA, ARCES, SEY, etc.

ISCJB 27 16:23:50.9±0.4, 8.34S, 0.06°119.18E±0.05, h10km, mb3.8/5, Error ellipse: s-maj=8.3km s-min=6.3km az=24.1

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like WBSI, PLAI, TWSI, etc.

Table with columns: BATI, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Baumata, TTSI, SOEI, etc.

IDC 27 16:25:05.9±1.9, 8.01S, 119.44E, h0km, mb3.7/2, m1 4.0/4, mb1mx3.5/4.3, mtmp3.8/4, ML3.8/1, MS3.6/2, Ms1 3.6/2, m1mx2.9/3.1, Error ellipse: s-maj=181.7km

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

NIED 27 16:26:00, 39.80N, 141.80E, h59km, Mw4.0, Best double couple: M1.24000x1015 NP1.2±218.00000°, 819.000000°, 1.29.000000°

ISCJB 27 16:26:20.6±0.5, 39.74N, 141.86E±0.07, h64km, 3km, mb3.7/1.1, Error ellipse: s-maj=9.2km s-min=4.9km az=11.4

JMA 27 16:26:21.6, 39.76N, 141.85E, h58km, 1km, M3.9, Broadband fault plane solution: P waves, NP1: 0.17.00000°, 860.00000°, 1.07.000000°

ISC 27 16:26:23.1±2.2, 39.73N, 141.79E, h75km±18km, mb3.6/1.2, m1 3.7/15, m1mx3.5/5.0, mtmp3.9/15, Error ellipse: s-maj=21.5km s-min=13.1km az=121.0

ISC 27 16:26:21.6±0.8, 39.76N, 141.86E±0.06, h57km±6km, n35, ±157/41, mb3.8/1.1, 3C-8D, Eastern Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like JTH, JYK, JOM, etc.

ISCJB 27 16:46:37.0±1.1, 71.57N, 150.07E±1.3W±0.3, h10km, mb3.7/4, Error ellipse: s-maj=12.8km s-min=9.0km az=162.5

BER 27 16:46:37.2±2.7, 71.54N, 150.27E±1.7W, h0km, 4.1km, ML2.2, IDC 27 16:46:38.7±3.5, 71.44N, 151.15W, h0km, mb3.7/3, m1 3.8/7, m1mx3.4/5.5, mtmp3.8/7, ML3.1/4, Error ellipse: s-maj=60.6km s-min=25.5km az=98.0

ISC 27 16:46:38.9±1.6, 71.53N, 150.11E±1.5W±0.1, h10km, n22, ±134/25, mb3.8/4.1, Jan Mayen Island region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LOF, STEI, DAG, etc.

MEX 27 16:40:10.4±0.3, 24.86N, 110.46W, h10km, MD3.5, Baja California

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LPIG, La Paz, etc.

ISCJB 27 16:41:50.5±0.8, 19.18N, 107.145E±0.2, h214km, mb3.3/8, Error ellipse: s-maj=24.4km s-min=9.5km az=177.2

s-maj=22.6km s-min=14.4km az=79.0, ISC 27 16:41:52.1±0.9, 19.18N, 109.145E±0.2, h214km, n10, ±095/11, mb3.4/4.1, Mariana Islands

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

NIED 27 16:46:00, 36.90N, 141.40E, h5km, Mw3.7, Best double couple: M3.55000x1014 NP1.2±28.00000°, 835.00000°, 7.82.000000°

IDC 27 16:46:01.8±1.1, 36.76N, 141.38E, h0km, mb3.6/6, m1 3.7/8, m1mx3.4/5.3, mtmp3.3/8, ML2.9/2, MS3.1/3, Ms1 3.1/3, m1mx2.7/3.6, Error ellipse: s-maj=24.3km s-min=21.2km az=86.0

JMA 27 16:46:03.6±0.1, 36.87N, 141.35E, h30km±1km, M3.6, ISC 27 16:46:02.9±2.5, 36.90N, 141.34E±0.07, h6km±15km, n25, ±0386/27, mb3.6/6, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ONAJ, JFK, JFO, etc.

ISCJB 27 16:46:37.0±1.1, 71.57N, 150.07E±1.3W±0.3, h10km, mb3.7/4, Error ellipse: s-maj=12.8km s-min=9.0km az=162.5

BER 27 16:46:37.2±2.7, 71.54N, 150.27E±1.7W, h0km, 4.1km, ML2.2, IDC 27 16:46:38.7±3.5, 71.44N, 151.15W, h0km, mb3.7/3, m1 3.8/7, m1mx3.4/5.5, mtmp3.8/7, ML3.1/4, Error ellipse: s-maj=60.6km s-min=25.5km az=98.0

ISC 27 16:46:38.9±1.6, 71.53N, 150.11E±1.5W±0.1, h10km, n22, ±134/25, mb3.8/4.1, Jan Mayen Island region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MKAR, KURBB, ILAR, etc.

ISCJB 27 16:46:37.0±1.1, 71.57N, 150.07E±1.3W±0.3, h10km, mb3.7/4, Error ellipse: s-maj=12.8km s-min=9.0km az=162.5

BER 27 16:46:37.2±2.7, 71.54N, 150.27E±1.7W, h0km, 4.1km, ML2.2, IDC 27 16:46:38.7±3.5, 71.44N, 151.15W, h0km, mb3.7/3, m1 3.8/7, m1mx3.4/5.5, mtmp3.8/7, ML3.1/4, Error ellipse: s-maj=60.6km s-min=25.5km az=98.0

ISC 27 16:46:38.9±1.6, 71.53N, 150.11E±1.5W±0.1, h10km, n22, ±134/25, mb3.8/4.1, Jan Mayen Island region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LOF, STEI, DAG, etc.

MEX 27 16:40:10.4±0.3, 24.86N, 110.46W, h10km, MD3.5, Baja California

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LPIG, La Paz, etc.

ISCJB 27 16:41:50.5±0.8, 19.18N, 107.145E±0.2, h214km, mb3.3/8, Error ellipse: s-maj=24.4km s-min=9.5km az=177.2

KRSC 27 16:58:44.7±1.4, 50.31N, 157.08E, h29km±18km, ML3.5, Kuril Islands

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

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like PDSI Padang, PPSI Pulau Pagai, BKNI Bangkinang, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like STKA Stephens Creek, STKA Stephens Creek, STKA Stephens Creek, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like PSI Prapat, PSI Prapat, PSI Prapat, etc.

ASAR Alice Springs 27.42 169 P P 19 50 07.1 -0.1
CMAR Chiang Mai Arr 32.64 299 pP 19 51 07.4 +1.9
STKA Stephens Creek 37.22 162 P P 19 51 32.8 +0.1
H11S3 WAKE ISLAND Hy 40.16 65 T T 20 35 11.5
H11S2 WAKE ISLAND Hy 40.18 65 T T 20 35 12.8
H11S1 WAKE ISLAND Hy 40.18 65 T T 20 35 12.2
MKAR Makanchi Array 58.88 325 P P 19 54 22.2 +2.3

MEX 27 20:08:31.0-0.8, 16:92N-102:19W, h13km, MD3.9, Off coast of Guerrero
Code Station Name A° AZ° Phase ID Time Res
ZIG Zihuatajejo 0.97 45 Op P 20 08 45.5 +4.1
CAIG El Cayaco 1.84 86 eP P 20 08 58.9 -3.4
AC2P Acapulco 2.20 91 eP P 20 09 20.9 -4.6
ARIG Puente Sto Nin 2.21 52 iS P 20 09 29.3 -5.1
ACX Acapulco 2.23 91 iP P 20 09 30.8 -4.0
MEIG Mezcala 2.65 68 iP P 20 09 11.6 -1.9
PLIG Platanillo 2.95 60 iS P 20 09 43.0 -2.5

IDC 27 20:08:37.6-2.5, 10:87Sx161.06E, h0km, mb3.7/4,
mb1 3.8/4, mb1mx3.5/38, mbtmp3.7/4, MS4.2/3, Ms1 4.2/3,
ms1mx3.5/28, Error ellipse: s-maj=54.8km
s-min=28.0km az=91.0, Bougainville-Solomon Islands region
Code Station Name A° AZ° Phase ID Time Res
HNR Honiara 1.80 322 Pn P 20 09 09.3 -0.6
HNR Honiara 1.80 322 eS P 20 09 34.7 +0.2
HNR Honiara 1.80 322 eS P 20 09 13.0 +0.9
JAY Jayapura 21.84 291 LR 20 20 25.4
WRA Warramunga Arr 27.42 147 P 20 14 24.2 +0.4
ASAR Alice Springs 28.82 240 P 20 14 37.5 -0.3
SIJI Sorong 31.22 287 LR 20 27 23.4
BATI Baumata 36.76 267 LR 20 30 30.3
SONMI Songlun Array 78.86 325 P 20 20 26.3 +0.4
MKAR Makanchi Array 90.27 318 P 20 21 40.1 -0.3

BJI 27 20:12:57.2, 6:31Sx151.96E, h24km, mb4.9/55, mb5.2/37,
Ms5.1/15, Ms7 4.9/7
ISCJB 27 20:13:02.0, 0.1, 6:14S:0.02:151.48E:0.02: h37km,
mb5.2/18, MS4.7/88, Error ellipse: s-maj=3.9km
s-min=3.0km az=42.9
MOS 27 20:13:02.6: 1.1, 6:04S:151.45E, h41km, mb5.2/45,
MS4.5/11, Error ellipse: s-maj=8.2km s-min=6.3km
az=93.6
NEIC 27 20:13:03.0: 0.7, 6:14S:151.53E, h39km, mb5.4/158,
MS4.8/77, Error ellipse: s-maj=4.0km s-min=3.4km
az=124.0
DJA 27 20:13:03.2: 1.3, 6:5S:152.2E, h42km, mb5.3/38,
mb5.3/38, mb5.8/12, Mw(MB)5.3/12
GCMT 27 20:13:04.3: 0.2, 6:43S:0.02:151.63E:0.01: h13km,
MWS: 1/101, Moment tensor solution: 571, c97:
s101:c165; Duration: 0 Moment tensor: Solution 1016Nm;
Mw=6.74z: 17; Mw: 1.01z: 12; Mw: 5.16z: 14; Mw: 1.52z: 32;
Mw: 0.74z: 10; Mw: 0.76z: 29; Best double couple:
Ms: 94500x1016 NP1: 360.00000, 851.00000,
lambda-103.00000. NP2: 360.00000, 841.00000,
lambda-74.00000. Principal axes: T: 3.5800, Plg5.0000,
AzM259.0000; N: 1.1290, Plg10.0000, AzM168.0000; P:
-6.5090, Plg78.0000, AzM15.0000; nsta: 1 refers to body
waves, cutoff=40s. nsta2 refers to surface waves,
cutoff=50s. Triangular moment-rate function

IDC 27 20:13:04.3: 0.2, 6:43S:0.02:151.63E:0.01: h13km,
mb1 4.9/29, mb1mx3.8/38, mbtmp3.0/29, ML 4.0/1, MS4.2/6,
Ms1 4.2/6, ms1mx3.7/35 Error ellipse: s-maj=13.6km
s-min=9.8km az=111.0
ISC 27 20:13:03.2: 0.3, 6:18S:104:151.73E:0.05, h38km, 2km,
h39km; pP-P, n556, c152/531, mb5.3/219, MS4.8/90,
12C-8D, New Britain region
Code Station Name A° AZ° Phase ID Time Res
RABL Rabaul 2.02 12 Op Pn 20 13 34.7 0.0
MANU Manus Island 5.98 313 ePn Pn 20 14 32.5 +3.3
HNR Honiara 8.76 112 eP Pn 20 15 13.0 +5.7
COEN Coen 11.43 227 P Pn 20 15 42.5 -1.4
COEN Coen 11.43 227 ePn Pn 20 15 42.6 -1.4
PATS Pohorrei 14.50 27 ePn Pn 20 16 23.7 -2.1
CTA Charaters Tower 14.82 201 P Pn 20 16 31.6 +1.5
CTAO Charaters Tower 14.82 201 ePn Pn 20 16 30.0 -0.1
QIS Mount Isis 18.51 218 P Pn 20 17 17.0 +0.2
EIDS Eidsvold 19.09 182 P Pn 20 17 23.8 0.0
EIDS Eidsvold 19.09 182 eP Pn 20 17 22.0 -0.7
FAKI Fak Fak 19.69 279 eP P 20 17 28.0 -1.3
KDU Kakau 20.06 250 P P 20 17 32.2 -1.1
SAUI Saumlaki 20.35 264 P P 20 17 37.6 +1.1
SAUI Saumlaki 20.35 264 eP P 20 17 34.3 -2.2
RMQ Roma 20.39 188 P Pn 20 17 38.3 -0.8
GUMO Guam 20.79 341 P P 20 17 40.1 -1.1
SIJI Sorong 21.09 284 P P 20 17 42.9 -1.6
MTN Manton Dam 21.36 250 P P 20 17 46.0 -1.3
MTN Manton Dam 21.36 250 eP P 20 17 46.1 -1.2
QLP Quilpie 21.52 199 P P 20 17 49.5 +0.6
KWAJ Kwajalein Atol 21.73 47 eP P 20 17 51.6 +0.3
KWAJ Kwajalein Atol 21.73 47 eP P 20 17 51.6 +0.3
WRAB Tennant Creek 21.73 229 eP P 20 17 50.2 -1.1
WRAB Tennant Creek 21.73 229 eP P 20 17 49.8 -1.5
WB2 Warramunga Arr 21.73 229 eP P 20 17 49.1 -2.2
WR1 Warramunga Arr 21.74 229 eP P 20 17 50.6 -0.8
WRA Warramunga Arr 21.74 229 eP P 20 17 50.6 -0.9

comp=Z, 21nm, 0.9s, baz=54, slow=11, SNR=10 ScP 20 25 26.7 +0.9
WRA comp=Z, 0.9nm, 1.0s, baz=26, slow=4, SNR=3.1 P 20 17 50.5 -1.0
WRA comp=Z, 69nm, 1.1s pmax
BNDI Bandanaira 21.79 273 P P 20 17 49.9 -2.1
PALU Palau 21.84 308 P P 20 17 52.5 0.0
TARA Tarawa 22.44 71 eP P 20 17 58.3 -0.8
TARA comp=Z, 57nm, 1.0s LR LR
ANA2 Anatahan 23.15 345 eP P 20 18 04.1 -2.3
AAI Ambon 23.58 275 P P 20 18 09.2 -1.4
AAI Ambon 23.58 275 Pmax Pmax
ARMA Armidale 24.11 180 eP P 20 18 15.8 +0.2
AS01 Alice Springs 24.39 223 eP P 20 18 17.5 -0.6
AS31 Alice Springs 24.42 223 P P 20 18 18.1 -0.3
ASAR Alice Springs 24.42 223 P P 20 18 18.0 -0.4
ASAR comp=Z, 60nm, 0.8s, baz=56, slow=9.0, SNR=307 pP 20 18 31.1 +2.0
ASAR comp=Z, 158nm, 0.7s, baz=54, slow=9.0, SNR=41 S 20 22 41.0 +5.0
ASAR comp=Z, 5.0nm, 0.9s, baz=28, slow=22, SNR=5.7 ScP 20 25 34.5 +1.7
KNRA Kunurra 24.42 245 P P 20 18 17.7 -0.7
CMSA Colar Meteorol 25.86 192 P P 20 18 33.3 +0.1
SANI Sanana 26.00 278 P P 20 18 31.9 +1.2
STKA Stephens Creek 27.27 199 P P 20 18 45.2 +1.2
STKA Stephens Creek 27.27 199 eP P 20 18 45.2 +1.2
STKA Stephens Creek 27.27 199 eP Pmax Pmax
FUNA Funafuti 27.34 97 PFAKE LR LR
SOEI Soe 27.42 261 P P 20 18 46.5 +0.8
SOEI Soe 27.42 261 eP P 20 18 46.0 +0.3
BATI Baumata 28.06 260 P P 20 18 51.5 +0.2
BATI Baumata 28.06 260 P 20 18 50.9 -0.4
FITZ Fitzroy Crossi 28.08 243 P P 20 18 50.7 -0.7
FITZ Fitzroy Crossi 28.08 243 P P 20 18 50.7 -0.7
FITZ Fitzroy Crossi 28.08 243 eP P 20 18 50.5 -0.9
BBSI Bau Bau 29.02 270 P P 20 19 00.8 +1.0
DAV Davay City (W) 29.22 296 LR LR 20 30 39.6
WRKA Warakuma 29.25 228 P P 20 19 00.8 -1.0
WAKE Wake Island 29.26 30 PFAKE LR LR
LWUI Luwuk 29.34 279 P P 20 19 10.9 +8.3
LWUI Luwuk 29.34 279 eP P 20 19 10.2 -0.2
MMRI Maumere 29.34 263 P P 20 19 02.6 -0.1
MMRI Maumere 29.34 263 eP P 20 19 02.0 -0.7
Hallett 29.61 202 P P 20 19 04.7 -0.2
EDFI Ende, Flores 29.89 263 P P 20 19 05.7 -2.0
BB00 Buckleboe 30.25 207 eP P 20 19 09.0 -1.6
ARPS Sulukumba 31.46 270 P P 20 19 23.7 +2.3
BKSI Mount Arapiles 31.77 195 P P 20 19 23.8 +0.0
KAPI Kappang 31.84 270 PFAKE LR LR
SPSI Sidrap Palu 31.91 272 P P 20 19 27.7 +2.4
WBSI Waikabakubau 32.21 262 P P 20 19 28.5 +0.5
MPSI Mapaga 32.43 280 P P 20 19 29.8 -0.1
FORT Forrest 33.05 219 P P 20 19 34.3 -0.9
PLAI Plampang 33.76 263 P P 20 19 38.7 -2.8
MBWA Marble Bar 34.37 241 eP P 20 19 46.0 -0.8
MBWA comp=Z, 84nm, 21.0s LR LR
MYLDM Leah Dalrymple 35.04 288 eP P 20 19 50.6 -2.0
OUZ Omaha 35.23 148 eP P 20 19 55.0 +1.1
SRBI Singaraja 36.28 265 PFAKE LR LR
AFI Afimau 36.76 105 PFAKE LR LR
TAU Tasmania Univ 36.79 185 PFAKE LR LR
TAU comp=Z, 2um, 19.0s LR LR
JAGI Jajag, Banyuwana 37.33 264 eP P 20 20 08.7 -3.6
KKM Kota Kinabalu 37.47 288 eP P 20 20 11.0 -2.6
MEEK Meekatharra 37.53 233 P P 20 20 13.2 -0.6
URZ Urewera 39.37 148 P P 20 22 35.5 -1.5
URZ Urewera 39.37 148 eP P 20 20 29.7 +0.7
URZ Matakaoa Point 39.51 146 eP P 20 22 35.5 -1.5
PWJI Paeowao 39.65 265 P P 20 20 30.9 -0.8
GIRL Giralila 39.68 242 P P 20 20 32.6 +0.8
BKZ Black Swamp Fm 39.73 149 eP P 20 20 34.3 +2.2
JOW Jonigami 39.91 326 eP P 20 20 33.0 -0.7
WOJI Wonogiri, Jawa 40.52 165 P P 20 20 42.1 +3.1
SNZO South Karori 40.52 253 PFAKE LR LR
SNZO comp=Z, 588nm, 19.0s LR LR
KLBR Kelso 40.59 227 P P 20 20 38.2 -1.2
MORW Morawa 40.66 232 P P 20 20 39.4 -0.5
UGM Uganap 40.92 265 eP P 20 20 38.7 -3.6
SMRI Semarang 41.02 266 eP P 20 20 39.4 -3.6
RPZ Rata Peaks 41.07 159 LR LR 20 37 51.9
WKZ Wanaka 41.35 161 eP P 20 20 45.7 +0.3
DCZ Deep Cove 41.37 164 eP P 20 20 45.8 +0.3
CRLZ Canterbury Lass 41.54 157 eP P 20 20 48.9 +2.0
MLZ Mavora Lakes 41.56 163 eP P 20 20 47.7 +0.6
MQZ Mactoon's Vail 41.66 157 eP P 20 20 49.0 +1.2
NWAO Narrogin (SRO) 41.67 226 eP P 20 20 49.7 +1.5

NWAO comp=Z, 2.2um, 20.0s LR LR
NWAO Narrogin (SRO) 41.67 226 eP P 20 20 49.7 +1.5
NWAO comp=Z, 33nm, 1.4s pmax pmax
NWAO comp=Z, 2um, 20.0s MLR MLR
YULB Yu-yi 41.80 316 eP P 20 20 48.8 -0.6
PYZ Puysegur Point 41.89 164 eP P 20 20 49.9 +0.2
MUN Mandaring 41.92 228 P P 20 20 49.7 -0.6
KSM Kuching 42.05 279 eP P 20 20 50.6 -0.9
NACB Ninganchiao 42.11 317 eP P 20 20 50.7 -1.2
TPUB Ta-pu 42.21 315 eP P 20 20 50.9 -1.8
TPUB Suanglung 42.30 316 eP P 20 22 45.9 -0.5
SSLB Suanglung 42.30 316 eP P 20 22 53.6 +0.2
SSLB Karang Pucung 42.51 266 P P 20 22 45.3 -1.4
KPJI Karang Pucung 42.51 266 eP P 20 20 56.2 +1.0
YHNB Yeheng 42.59 317 eP P 20 20 55.1 -0.7
TATO Taipei 42.72 318 eP P 20 20 56.6 -0.1
TATO comp=Z, 239nm, 21.0s LR LR
CMJI Cimerak 42.98 265 P P 20 21 10.1 +1.1
INU Inuyama 43.57 342 eP P 20 21 01.8 -1.6
CISI Cisompet, Garu 43.61 266 P P 20 21 03.3 -0.9
CISI Cisompet, Garu 43.61 266 eP P 20 21 02.0 -2.2
JNU Nakatsue 43.81 334 eP P 20 21 03.5 -2.0
LEM Lembang 43.82 267 P P 20 21 06.0 -0.1
MJAR Matsuhiro Arr 44.34 344 P P 20 21 10.3 +0.6
MJAR comp=Z, 3.0nm, 0.7s, baz=164, slow=1.5, SNR=8.6 P P 20 22 53.2 -0.1
MAJO Matsuhiro 44.34 344 eP P 20 21 08.4 -1.3
MAJO comp=Z, 5.5nm, 0.8s eP P 20 22 53.2 -0.2
MAJO Matsuhiro 44.34 344 eP P 20 21 08.4 -1.3
MAJO Matsuhiro 44.34 344 P P 20 22 53.2
MAJO comp=Z, 6.0nm, 0.8s e pmax pmax
MAJO comp=Z, 130nm, 19.0s MLR MLR
MAJO Matsuhiro 44.34 344 P P 20 21 08.4 -1.3
MAT Matsuhiro 44.34 344 P P 20 21 09.3 -0.4
MJB9 Matsu-Tunnel 44.35 344 eP P 20 21 08.3 -1.4
MJB9 comp=Z, 5.9nm, 0.8s eP P 20 22 53.3 -0.1
PPBI Pangkal Pinang 45.63 273 P P 20 21 33.0 +1.3
CGJI Cibinong 45.74 267 P P 20 21 19.7 -1.5
KASI Kota Agung 46.98 268 P P 20 21 28.8 -2.1
MDSI Maura Dua 47.37 270 P P 20 21 30.3 -3.6
LWLI Liwa 47.45 269 P P 20 21 33.3 -1.4
MYKOM Kota Tinggi 48.46 278 eP P 20 21 41.8 -0.6
KSRS Korea Array 48.76 335 P P 20 21 43.6 -0.6
KSRS comp=Z, 5.8nm, 1.0s, baz=150, slow=9.5, SNR=8.0 P P 20 23 49.4 +0.6
KSRS comp=Z, 4.8nm, 0.7s, baz=170, slow=3.0, SNR=10 pP P 20 23 22.6
KSRS comp=Z, 1.5nm, 0.6s, baz=174, slow=3.0, SNR=4.4 P P 20 21 42.7 -1.7
KSAR Wonju Array Be 48.77 335 P P 20 21 43.6 -0.7
KSAR Wonju Array Be 48.77 335 P P 20 23 09.4 +0.6
KSAR Wonju Array Si 48.79 335 eP P 20 21 43.7 -0.7
KSAR Wonju Array Si 48.79 335 eP P 20 21 42.8 -1.9
KS01 Nanjing 49.26 323 eP P 20 21 49.3 +0.5
NJ2 Nanjing 49.26 323 eP Pmax pmax
MASI Mat Arsan, Be 49.41 271 P P 20 22 02.6 +1.3
YUK Yuzh-Kuril'sk 50.26 354 eP P 20 22 05.5 +1.0
YUK Yuzh-Kuril'sk ePPP P P 20 24 46.6
YUK Yuzh-Kuril'sk eSS P P 20 29 04.1 -1.2
YUK Yuzh-Kuril'sk SS P P 20 32 39.9 +0.5
KRJI Kerinci 50.28 272 P P 20 21 59.0 -0.2
ASAJ Asahikawa 50.73 352 eP P 20 21 59.0 -0.2
WHN Wharfedale 51.13 318 iP P 20 22 02.5 +0.1
KUR Kuril'sk 51.29 357i eP P 20 22 02.6 -0.7
XMAS Kirilitani 51.40 82 eP P 20 22 03.4 -1.4
PDSI Padang 51.41 274 P P 20 22 05.0 +0.1
IPM Ipo 51.72 281 eP P 20 22 05.9 -1.3
IPM comp=Z, 7.7nm, 0.7s eP P 20 23 19.2 -1.1
KULM Kulim 52.25 282 eP P 20 22 09.5 -1.6
USA0B Ussuriysk Arra 53.21 342 eP P 20 22 18.1 +0.4
USRK Ussuriysk Arr 53.21 342 P P 20 22 16.3 -1.3
USRK comp=Z, 3.7nm, 0.7s, baz=191, slow=6.7, SNR=8.5 P P 20 23 26.0 +0.8
PSI Prapat 53.48 278 P P 20 22 18.6 -1.7
PSI Prapat 53.48 278 eP P 20 22 17.8 -2.5
PSI Prapat 53.48 278 eP Pmax pmax
YSS Yuzh-Sakhalins 53.49 352 PFAKE LR LR 20 22 30.0 +1.0
YSS Yuzh-Sakhalins 53.49 352 eP P 20 22 16.0 -3.6
YSS comp=Z, 10.0nm, 1.2s P Pmax 20 22 22.4 +0.3
TRTT Trang 53.74 284 P P 20 22 25.3 -0.8
ENH Enshi 54.33 314 eP P 20 22 30.2 +0.4
ENH comp=Z, 37nm, 1.2s eP P 20 22 30.2 +0.4
MDJ Mudjanjani 54.34 341 P Pmax Pmax 20 22 28.0 +2.1
MDJ Mudjanjani 54.34 341 PFAKE LR LR 20 22 40.0 +1.4
GJY Guiyang 54.40 309 eP Pmax pmax 20 22 29.0 +2.2
GSI Gunungsitoli 54.57 276 P P 20 22 26.9 -1.3
GSI Gunungsitoli 54.57 276 eP P 20 22 25.8 -2.3
PBKT Sadao Pong 55.05 295 eP P 20 22 31.3 -0.2
PBKT comp=Z, 1.0nm, 0.7s eP P 20 23 35.8 +0.7
CN2 Changchung 55.13 337 eP P 20 22 35.5 -1.9
CN2 comp=Z, 10.0nm, 0.7s eP Pmax pmax 20 22 16.5 +4.6
LHMI Lhok Sumawe 55.85 281 P P 20 22 35.0 -2.3
SRDT Srdat 56.02 292 P P 20 22 40.0 +1.4
NANT Nan 56.08 297 P P 20 22 39.1 +0.2
BJT Bajitau 56.45 328 PFAKE P 20 22 50.0 +8.8

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like KBK, SCRK, PCA, CHMS, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like GSC, BMN, BMM, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like AAM, LSZ, MBAR, etc.

MEX 27 20:14:17.0±1.2, 16.99N×102.39W, h10km, MD3.9, Off coast of Guerrero. Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res.

IDC 27 20:14:54.0,0.8,21.39S,169.93E,h0km,mb4.7/17,
 mb7.4/19,mb1mx4.7/35,mbtmp4.7/19,ML4.2/2,MS4.6/14,
 Ms1.4/6/14,ms1mx4.4/28,Error ellipse: s-maj=20.0km
 s-min=17.4km az=114.0
 ISCJB 27 20:14:57.8,0.2,21.51S,0.03,169.82E,0.04,h36km,
 mb4.9/82,MS4.7/19,Error ellipse: s-maj=5.6km
 s-min=4.5km az=172.3
 NEIC 27 20:14:57.5,2.1,21.49S,169.83E,h23km,15km,mb5.0/64,
 Error ellipse: s-maj=6.6km s-min=5.5km az=50.0
 MOS 27 20:14:59.9,1.2,21.22S,169.41E,h33km,mb5.2/22,
 MS4.8/5,Error ellipse: s-maj=13.0km s-min=10.7km
 az=38.8
 BJI 27 20:14:59.0,21.06S,170.00E,h32km,mb4.9/43,mb5.5/28,
 Ms5.2/13,Ms7.4/9/13
 GCMT 27 20:15:01.5,0.1,21.70S,0.01,169.69E,0.01,h29km,
 MW5.3/100, Moment Tensor Solution. s100,c149;
 s97,c158; Duration: 1s | Moment tensor: Scale 1017Nm;
 Mn,0.98E,0.2; Mbb,0.26E,0.2; Mbd,0.72E,0.2; Mo,0.19E,0.3;
 Mo1,15600x1017 Np1,153.000000,0.89,0.000000,
 7.96,0.000000; NP2,3,321.000000,0.832,0.000000,1.80,0.000000;
 Principal axes: 1,1.170,Plg76.000000; Azm81.000000; N
 0.0770,Plg25.000000; Azm329.000000; P -1.1940,
 Plg13.000000; Azm238.000000; nsta1 refers to body waves,
 cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

Triangular moment-rate function
 ISC 27 20:14:59.6,0.3,21.56S,0.06,169.79E,0.05,h36km,n295,
 e1541/299,mb5.0/82,MS4.8/20,38C-6D,Southeast of

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
DZM	Mont Dzumac	3.15	260	Op	Pn	h m s	h s ISC
DZM	182nm,0.2s			eSn	Sn	20 16 21.6	-1.6
DZM	431nm,0.3s			eSn	Sn	20 16 21.6	-1.6
DZM	Mont Dzumac	3.15	260	Pn	Pn	20 15 45.7	-1.1
DZM	34nm,0.3s,baz=142,slow=5.4,SNR=1057			Sn	Sn	20 16 21.8	-1.4
DZM	70nm,0.3s,baz=327,slow=23,SNR=13			LR	LR	20 16 59.6	
DZM	comp=Z,6um,18.9s,baz=33,slow=38			LR	LR	20 16 59.6	
DZM	Mont Dzumac	3.15	260	ePn	Pn	20 15 45.5	-1.3
DZM	Black Stump	10.0	163	ePn	Pn	20 16 20.4	-2.8
NFK	Norfolk Island	7.64	192	P	Pn	20 16 46.1	-2.3
OZU	comp=Z,6um,18.9s,baz=33,slow=38			LR	LR	20 16 59.6	
FUNA	Funafuti	15.81	36	ePn	Pn	20 18 13.3	-2.4
EIDS	Eidsvold	17.58	254	ePn	Pn	20 19 01.9	0.0
URZ	Urewera	17.80	161	P	Pn	20 19 04.1	-0.4
URZ	0.5nm,0.3s,baz=21,slow=8.9,SNR=12			LR	LR	20 24 36.5	
BKZ	comp=Z,3um,19.3s,baz=10.0,slow=32			LR	LR	20 19 12.6	-0.1
ARMA	Armidale	18.54	238	P	Pn	20 19 15.1	+1.3
ARMA	Armidale	18.54	238	eP	Pn	20 19 13.8	+0.1
AFI	Afiatama	19.12	70	eP	Pn	20 19 19.2	+0.5
AFI	Afiatama	19.12	70	eP	Pn	20 19 19.2	+0.5
RMQ	Roma	19.82	252	P	Pn	20 19 29.2	+0.2
BFZ	Birch Farm	19.84	165	eP	P	20 19 27.9	+0.6
SNZO	South Karori	20.13	169	eP	P	20 19 30.1	-0.3
THZ	Tophouse	20.32	173	eP	P	20 19 32.6	+0.1
RIV	Riverview	20.50	229	P	Pn	20 19 37.0	+0.2
KHZ	Kahutara	21.04	172	eP	P	20 19 39.3	-0.9
LTZ	Lake Taylor	21.27	175	eP	P	20 19 44.0	+1.2
OXZ	Oxford	21.79	176	eP	P	20 19 49.4	+1.1
FOZ	Fox Glacier	21.92	180	eP	P	20 19 50.7	+1.0
CTA	Charters Tower	22.05	270	P	P	20 19 52.8	+1.4
CTA	Charters Tower	22.05	270	eP	P	20 19 51.7	+0.4
CTA	Charters Tower	22.05	270	eP	P	20 19 51.7	+0.4
CRLZ	Canterbury Las	22.09	175	eP	P	20 19 52.7	+1.2
RPZ	Rata Peaks	22.12	178	P	P	20 19 53.7	+1.8
RPZ	Rata Peaks	22.12	178	eP	P	20 19 53.0	+1.1
MOZ	McQueen's Vall	22.22	175	eP	P	20 19 53.6	+0.7
CNB	Canberra Magne	22.54	228	P	P	20 19 58.0	+1.5
YNG	Young	22.71	231	P	P	20 20 00.1	+1.7
LBZ	Lake Benmore	22.77	179	eP	P	20 19 58.7	-0.2
CAN	Canberra	22.79	229	eP	P	20 20 00.2	+1.1
CAN	Canberra	22.79	229	eP	P	20 20 00.3	+1.1
WKZ	Wanaka	23.22	181	eP	P	20 20 03.9	+0.5
ODZ	Otahua Downs	23.44	178	eP	P	20 20 05.3	-0.2
CMSA	Cobar Meteorol	23.69	240	P	P	20 20 09.2	+1.0
QLP	Quilpie	23.85	253	P	P	20 20 10.8	+1.2
DCZ	Deep Cove	23.95	185	eP	P	20 20 09.7	-0.6
PYZ	Puysegur Point	24.68	185	eP	P	20 20 19.6	+2.5
KNTN	Kanton	25.92	46	eP	P	20 20 28.8	+0.2
TOO	Tooolangi	26.37	227	P	P	20 20 36.4	+3.8
COEN	Coen	26.42	282	eP	P	20 20 33.8	+0.6
STKA	Stevens Creek	27.13	242	P	P	20 20 40.7	+1.3
STKA	Stevens Creek	27.13	242	eP	P	20 20 39.9	+0.5
STKA	Stevens Creek	27.13	242	eP	P	20 20 39.9	+0.5
BBOO	Buckley Creek	31.90	242	eP	P	20 21 21.2	-0.5
ASO1	Alice Springs	33.10	259	eP	P	20 21 32.1	-0.3
WRAB	Tennant Creek	33.14	266	eP	P	20 21 32.6	-0.1
WRAB	Tennant Creek	33.14	266	eP	P	20 21 32.1	-0.6
AS31	Alice Springs	33.14	259	eP	P	20 21 31.8	-0.9
ASAR	Alice Springs	33.14	259	P	P	20 21 32.8	0.0
ASR1	Warrungarra Arr	33.15	266	eP	P	20 21 31.9	-0.8
WR1	Warrungarra Arr	33.15	266	eP	P	20 21 31.9	-0.8
WRA	Warrungarra Arr	33.15	266	eP	P	20 21 31.9	-0.8
WRA	Warrungarra Arr	33.15	266	eP	P	20 21 31.9	-0.8
JAY	Jayapura	34.04	300	P	P	20 21 40.0	-0.6

JAY	Jayapura	34.04	300	P	P	20 21 40.0	-0.6
TBI	Tubuai	37.62	101	eS	S	20 28 02.5	+3.9
TBI	comp=Z,227nm,25.5s			eLQ	LQ	20 30 42.0	
TBI	comp=Z,1um,31.5s			eLR	LR	20 32 25.0	
FORT	Forrest	38.38	247	eP	P	20 22 16.1	-1.4
PP2T	comp=Z,26nm,0.9s			eS	S	20 28 16.9	+6.0
PP2T	comp=Z,374nm,26.5s			eLQ	LQ	20 31 07.6	
PP2T	comp=Z,2um,29.5s			eLR	LR	20 32 44.8	
FAKI	Fak Fak	40.92	292	eP	P	20 22 38.3	-0.5
FITZ	Fitzroy Crossi	41.58	267	eP	P	20 22 44.2	0.0
SIJI	Sorong	42.80	294	P	P	20 22 54.8	+0.6
SOEI	Soe	45.22	278	eP	P	20 23 13.8	0.0
BATI	Baumata	45.26	277	P	P	20 23 18.9	+0.2
MBWA	Marble Bar	46.46	261	eP	P	20 23 22.5	-0.8
MEEK	comp=Z,25nm,1.4s			eS	S	20 23 25.5	-0.1
TNTI	Ternate	46.98	293	eP	P	20 23 26.3	-1.2
KLBR	Kellerberrill	47.23	246	eP	P	20 23 31.5	+2.2
MMRI	Maumere	47.49	278	eP	P	20 23 31.8	+0.4
NWAO	Narrogin (SRO)	47.65	245	P	P	20 23 34.6	+2.1
NWAO	Narrogin (SRO)	47.65	245	P	P	20 23 35.1	+2.6
NWAO	Narrogin (SRO)	47.65	245	eP	P	20 23 32.4	-0.2
NWAO	Narrogin (SRO)	47.65	245	eP	P	20 23 32.4	-0.2
BLDU	Ballidu	48.15	248	P	P	20 23 39.4	+2.9
TAOE	Nuku Hiva Isl	49.73	83	eS	S	20 20 59.3	+3.5
TAOE	comp=Z,801nm,24.0s			eLR	LR	20 37 57.2	
LUWI	Luwuk	50.12	288	eP	P	20 23 50.9	-0.8
VNDA	Vanda	56.15	182	LR	LR	20 46 32.7	
KKM	Kota Kinabalu	59.24	291	eP	P	20 24 57.7	-0.2
KSM	Kuching	62.40	284	eP	P	20 25 19.4	+0.1
MJAR	Matsushiro	65.03	332	eP	P	20 25 34.8	-1.4
MJAR	Matsushiro	65.03	332	eP	P	20 25 35.9	-0.3
MAJO	Matsushiro	65.03	332	eP	P	20 25 36.1	-0.1
MAJO	Matsushiro	65.03	332	eP	P	20 25 35.8	-0.4
MAT	Matsushiro	65.03	332	eS	S	20 34 28.4	+1.2
MJB	Matsushiro	65.04	332	eP	P	20 25 35.9	-0.3
NACB	Ninganchiao	65.29	311	eP	P	20 25 36.4	-1.7
TPUB	Ta-pu	65.42	310	eP	P	20 25 38.4	-0.6
SSLB	Suanglung	65.49	311	eP	P	20 25 39.0	-0.1
YHNB	Yeheng	65.76	312	eP	P	20 25 41.3	0.0
ASAJ	Asahikawa	69.94	339	eP	P	20 26 07.1	+0.1
KSRS	Korea Array	70.70	326	P	P	20 26 12.4	+0.7
KSAR	Wonju Array Be	70.71	326	P	P	20 26 12.4	+0.6
KSAR	Wonju Array Be	70.71	326	P	P	20 26 12.5	+0.6
KS01	Wonju Array Si	70.73	326	eP	P	20 26 12.3	+0.3
IPM	Ipo	72.07	282	eP	P	20 26 19.7	-1.0
NJ2	Nanjing	72.23	316	eP	P	20 26 22.0	+0.9
YSS	Yuzh-Sakhalins	72.43	341	eP	P	20 26 22.9	+0.9
YSS	Yuzh-Sakhalins	72.43	341	eP	P	20 26 23.1	+1.1
YSS	comp=Z,20nm,1.0s			pmx	pmx		
YSS	comp=N,10.0nm,1.2s			MLR	MLR		
YSS	comp=Z,400nm,14.0s			MLR	MLR		
YSS	comp=N,300nm,13.0s			MLR	MLR		
KULM	Kulim	72.74	283	eP	P	20 26 23.7	-0.9
PSI	Prapat	73.32	280	P	P	20 26 27.3	-0.9
PSI	Prapat	73.32	280	eP	P	20 26 26.6	-1.6
PSI	Prapat	73.32	280	eP	P	20 26 26.6	-1.6
GSI	Gunungsitoli	73.98	278	eP	P	20 26 31.3	-0.7
USA0B	Ussuriysk Arra	74.02	333	eP	P	20 26 31.8	+0.3
USRK	Ussuriysk Ar	74.02	333	P	P	20 26 31.6	+0.1
USRK	comp=Z,15nm,1.0s,baz=166,slow=6.4,SNR=11			LR	LR	20 58 16.8	
PET	Petrovavlovsk	74.89	353	eP	P	20 26 34.6	-1.7
PET	PET			eS	S	20 36 05.5	-5.2
PEA0B	Petrovavlovsk	75.09	352	eP	P	20 26 37.6	+0.1
PETK	Petrovavlovsk	75.09	352	eP	P	20 26 36.8	-0.7
PETK	comp=Z,4.3nm,0.8s,baz=151,slow=6.8,SNR=5.9			LR	LR	20 54 01.8	
PETK	comp=Z,448nm,21.8s,baz=163,slow=31			LR	LR	20 54 01.8	
PEA1	Petrovavlovsk	75.09	352	eP	P	20 26 37.8	+0.4
MDJ	Mudanjiang	75.39	332	P	P	20 26 36.8	-0.7
MDJ	MDJ			pmx	pmx	20 26 40.0	+0.5
MDJ	comp=Z,33nm,1.0s			pmx	pmx		
MDJ	comp=Z,690nm,4.6s						

Table with columns for code, station name, coordinates, and status. Includes stations like Presque Isle, ARCES Array S, HUMP Col San Antoni, etc.

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Main table with columns for code, station name, coordinates, phase, and time. Includes stations like FUORN Ofenpass-Fuorn, ECH Echery, etc.

27d 20h

Table with columns for code, station name, coordinates, phase, and time. Includes stations like ASAR Alice Springs, ASAR 4.0rm,0.8sb, etc.

27d 20h

Table with columns for station name, frequency, power, and other technical details. Includes stations like SHI Shiraz, ITEG Tejag, UMM Al-Quwin, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like ILAS Lasjerd, WBK Wadi Bani Khal, JMDO Jabal Madar, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like FRU Bishkek, NRN Naryn, KBK Karaybulak, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Gaotai, Ramite, Jirri, Gumba, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ASAR, ASAR, AS01, COEN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SOMM, PALK, COLA, etc.

IDC 27.21:38.40.5:1.4,0.51N:126.70E,h0km,mb3.4/4, mb1.3/6.4,mb1mx3.4/34,mbtmp3.5/4, Error ellipse: s-maj=14.2km s-min=21.4km az=69.0

ISC 27.21:38.48.7:1.1,0.32S:0.08:125.16E:0.05,h44km,n11, c1508/11,mb3.4/4,Outer:Maloua Mea Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KMSI, SANSI, LBMI, etc.

ISCJB 27.21:51.09.8:0.6,2.93N:0.07:128.71E:0.10,h200km, mb3.7/10, Error ellipse: s-maj=13.6km s-min=9.7km az=8.8

IDC 27.21:41.0.2:1.2,69N:128.59E,h235km,22km,mb3.4/10, mb1.3/6.13,mb1mx3.3/44,mbtmp4.1/13, Error ellipse: s-maj=23.4km s-min=10.6km az=73.0

DJA 27.21:17.0:2.0:3.7 S:4.12 4E, h608km,4km, M4.4/11, mb4.7/7,mb4.8/4,MLV4.3/11, Mw(mB)4.1/4

ISC 27.21:51.17:0.6,2.90N:0.08:128.54E:0.08,h200km,n25, c1591/22,mb3.8/3, Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TMTI, SGTI, SJIJ, etc.

ISCJB 27.21:17:00.3:0.2,7.06S:0.04:123.45E:0.05,h632km, mb4.1/23, Error ellipse: s-maj=6.9km s-min=3.9km az=155.0

NEIC 27.21:17:01.1:0.4,7.06S:123.38E,h621km,6km,mb4.4/14, Error ellipse: s-maj=10.9km s-min=5.1km az=55.0

IDC 27.21:17:01.2:0.6,7.05S:123.40E,h628km,7km,mb3.2/16, mb1.3/3/19,mb1mx3.1/42,mbtmp4.3/19, Error ellipse: s-maj=16.9km s-min=7.2km az=74.0

DJA 27.21:17:02.0:3.7 S:4.12 4E, h608km,4km, M4.4/11, mb4.7/7,mb4.8/4,MLV4.3/11, Mw(mB)4.1/4

ISC 27.21:17:01.4:0.4,7.08S:0.05:123.46E:0.07,h632km,n72, c1524/6,mb4.2/23, Banda Sea

IDC 27.21:30:23.6:2.3,6.26S:130.30E,h0km,mb3.9/1, mb1.3/7.3,mb1mx3.4/35,mbtmp3.6/3,ML3.5/2, Error ellipse: s-maj=143.8km s-min=30.5km az=70.0, Banda Sea

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

IDC 27.21:37:06.7:0.9,10.95S:161.13E,h0km,mb4.0/12, mb1.4/1/13,mb1mx4.0/42,mbtmp4.0/13,ML3.6/1,MS3.7/3, Ms1.3/7.3,mb1mx3.0/29, Error ellipse: s-maj=24.4km s-min=17.2km az=100.0

ISCJB 27.21:37:07.6:0.6,10.98S:0.06:161.1E:0.1,h18km, mb4.1/20,MS3.7/3, Error ellipse: s-maj=14.2km s-min=9.3km az=1.2

NEIC 27.21:37:12.0:0.6,10.93S:161.04E,h35km,mb4.3/9, Error ellipse: s-maj=14.5km s-min=8.1km az=113.0

ISC 27.21:37:09.6:0.8,10.93S:0.07:161.1E:0.1,h18km,n26, c1578/23,mb4.1/20,MS3.6/3, Bougainville-Solomon Islands region

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

NNC 27.21:54:58.6:1.5,37.81N:171.36E,h0km,mb3.6,mpv3.0, 4C-2D, Error ellipse: s-maj=11.3km s-min=8.4km az=179.0, Afghanistan-Tajikistan border region

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

IDC 27.21:55:44.2:0.9,5.99S:151.01E,h0km,mb3.9/9, mb1.4/14,mb1mx3.6/36,mbtmp4.0/4, Error ellipse: s-maj=69.4km s-min=46.2km az=110.0, New Britain region

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

ISCJB 27.22:02:31.4:0.6,31.77S:0.03:69.51W:0.04,h123km,5km, Error ellipse: s-maj=5.4km s-min=4.2km az=19.9

SJA 27.22:02:31.0:0.3,31.78S:69.53W,h117km,1km,ML3.3, MWV.4

GUC 27.22:02:32.1:0.5,31.77S:69.77W,h127km,13km,ML3.4

ISC 27.22:02:32.0:1.5,31.77S:0.03:69.51W:0.04, h119km,10km,n27, c0550/45, 2C-1D, San Juan Province

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

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like BBOO Buckleboo, STKA Stephens Creek, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, and other parameters. Includes stations like BESP Borongan, PLP Palo, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like HKZM comp=E,0.0nm,0.3s, HKZM comp=Z,0.0nm,0.3s, etc.

IDC 28 02:01:18.6 0.5, 10.48N, 126.69E, h0km, mb4.1/18, Error ellipse: s-maj=28.9km s-min=12.9km az=78.0

AZER 28 02:07:49.4 5.5, 33.68N, 46.76E, h10km, m4.0/4, Error ellipse: s-maj=61.3km s-min=32.7km az=77.0

ISCB 28 02:21:06.0 0.5, 35.06N, 0.03, 47.02E, 0.06, h10km, Error ellipse: s-maj=7.0km s-min=4.3km az=177.0

Table with columns: MAJO, Matsushiro, 25.22 231j, eP, P, 02 36 51.4 -1.0. Includes stations like MAT Matsushiro, MJAR Matsushiro Arr, MCK McKinley, etc.

Table with columns: JCT, Junction City, 69.48 66 eP, P, 02 42 35.3 +0.4. Includes stations like VRAC, GERES, BATI, BRTR, BRTR, etc.

Table with columns: ILB, Eielson Array, 78.94 26 eP, P, 02 44 12.8 -0.2. Includes stations like ARAO, ARCES, BR101, BR113, etc.

28d 2h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like IM3 Indian Mountain, GROC Groznyy, PRGR Permogore, SKT Skwerlina, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like JOF Joensuu, GAZ Gaziantep, KEV Kevo, KMRs Kahramanmaraş, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like UZH Uzhgorod, DRGR Gura Zlata, LTWH L'vov, etc.

Table with columns: TORD, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like W40A Wits Springs, X39A Fountain Ranch, U41A Viola, etc.

ISC 28 02:49:28.9, 0.6, 10.44N, 126.77E, h0km, mb4.2/17, m1 4.2/17, m1mx4.1/47, mbtmp4.2/17, Error ellipse: s-maj=31.2km, s-min=12.8km, az=75.0

NEIC 28 02:49:30.3, 0.3, 10.44N, 126.76E, h10km, mb4.5/5, Error ellipse: s-maj=14.3km, s-min=11.4km, az=80.0

ISCJB 28 02:49:33.0, 0.4, 10.41N, 126.76E, 0.1, h4.4km, mb4.2/20, Error ellipse: s-maj=17.5km, s-min=7.8km, az=171.3

ISC 28 02:49:34.9, 0.5, 10.42N, 126.8E, 0.2, h4.4km, m43, c076/43, mb4.1/20, Philippine Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like BATI Baumata, INU Inuyama, KS15 Wonju Array Si, etc.

Table with columns: INK, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like INK Inuvik, ARAO ARCES Array S, ARCES ARCES Array B, etc.

TAP 28 02:52:56.0, 24.39N, 121.49E, h6km, ML2.1, B, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like NNSB Datong, NNSB baz-291, NNS Han Shan, etc.

ISC 28 03:04:07.8, 0.6, 52.68N, 132.17W, 0.03, h7km, m3km, mb18.0, -1873.255, 5.6/62, MS7.6/680, 141C-23D, Queen Charlotte Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like BNB Barry Inlet, BNB Barry Inlet, H02N1 Van Inlet T-PH, etc.

BUI 28 03:04:05.2, 52.78N, 131.94W, h20km, mb6.0/50, mb6.9/70, MS7.9/90, MS7.9/84

ISCJB 28 03:04:06.8, 0.1, 52.77N, 132.02W, 0.02, h10km, mb6.4/657, MS7.5/639, Error ellipse: s-maj=2.0km, s-min=0.9km, az=138.1

PGC 28 03:04:06.1, 6.7, 52.55N, 132.24W, h23km, ML7.1/19, Mw7.7, 83km Ssw of Sandspit, Bc Haida Gwaii Region

ISC 28 03:04:07.9, 1.9, 52.65N, 132.26W, h12km, m11km, mb5.5/47, m1 5.5/53, m1mx5.5/65, mbtmp5.5/53, ML5.2/5, MS7.4/44, MS1.7/444, ms1mx7.1/61, Error ellipse: s-maj=11.9km, s-min=6.9km, az=35.0

MOS 28 03:04:07.8, 1.0, 52.63N, 132.30W, h21km, mb6.6/171, MS7.5/112, Error ellipse: s-maj=6.1km, s-min=3.1km, az=101.9 Broadband fault plane solution: P waves, M4.80000x10^20 NP1:0.115.00000, 0.71.00000, 0.85.00000, NP2:0.310.00000, 0.820.00000, 1.104.00000

Principal axes: T Plg64.0000, Azm17.0000, P Plg26.0000, Azm209.0000

NEIC 28 03:04:08.8, 0.1, 52.79N, 132.10W, h14km, mb6.5/299, mb6.6, MS7.5/299, MW7.8, MW7.3(OT) Error ellipse: s-maj=2.4km, s-min=1.1km, az=45.0 Principal axes: T Plg45.0000, Azm15.0000, N Plg0.0000, Azm0.0000, P Plg0.0000, Azm285.0000, Complex earthquake, with at least one larger event occurring about 13 seconds after the onset observed on broadband

displacement seismograms. Depths 14 and 20 km, respectively, for the first and second events from synthetics of broadband displacement seismograms. Focal mechanism based on larger event. Complex earthquake observed on broadband displacement seismograms, with at least one larger event occurring about 13 seconds after the onset. Depths 14 and 20 km, respectively, for the first and second events from synthetics of broadband Energy computed from BB mechanism.

NEIC at Port-Vila, Vanuatu; 4 at Apia, Samoa; 4 at Henghene, New Caledonia; 4 at Lata and 3 at Honiara, Solomon Islands; 4 on Christmas Island, Kiribati; 2 on Funafuti Island, Tuvalu. Felt [V] in the Masset-Queen Charlotte area and [IV] at Houston, Kitimat, Prince Rupert and Terrace. Felt [III] in much of western British Columbia and in Southeastern Alaska. Felt from Seattle, Washington to Juneau, Alaska and to Calgary, Alberta. Thermal springs on Hot Springs Island in Gwaii Haanas National Park Preserve, Haida Gwaii, stopped flowing after the earthquake, but were starting to show signs of recovery in mid-January 2013. A generally small, but nearly Pacific-wide tsunami was recorded, with much higher wave heights in Hawaii than in the rest of the Pacific. Also, the West Coast and Alaska Tsunami Warning Center observed that a small tsunami was recorded at Sitka, Alaska after having been reflected off the Hawaiian Islands. Tsunami wave heights in centimeters, one-half peak-to-trough) were recorded at the following selected tide stations: 34 at Langara Island, 26 at Henslung Cove, 15 at Port Alberni and 9 at Prince Rupert, British Columbia; 76 at Kahului, 56 at Kawaihae, 43 at Haleiwa, 37 at Hilo, 20 at Hanalei and 15 at Honolulu, Hawaii; 18 at Chignik, 13 at Kodiak and 12 at Sitka, Alaska; 23 at Port Orford, Oregon; 46 at Crescent City, 41 at Arena Cove, 27 at San Luis and 25 at Point Reyes, California; 24 on Nuku Hiva, 24 on Hiva Oa and 4 at Rangiroa, French Polynesia; 15 on Rarotonga, Cook Islands; 12 on Chatham Island and 10 at Gisborne, New Zealand; 12 at Malu, 10 at Aburatsubo and 10 on Chichi Jima, Japan; 10 at Talcahuano, Chile; 9 on Midway Island; 6.

NEIC 28 03:04:09.0, 0.0, 52.74N, 131.97W, h11km, Moment Tensor Solution. s24 Moment tensor: Scale 10^20Nm; Mn:3.4; M2:-2.41; M3:1.42; M4:3.77; M5:2.21; M6:-1.38; Best double couple: M5:7000.0^10^20 NP1:0.115.00000, 0.68.00000, 1.79.00000; NP2:0.322.00000, 0.824.00000, 1.115.00000; Principal axes: T 5.6220, Plg65.0000, Azm0.0000; N 0.1100, Plg10.0000, Azm119.0000; P -5.7300, Plg22.0000; Azm123.0000

GCMT 28 03:04:38.8, 0.1, 52.61N, 132.06W, 0.01, h12km, MW7.8/147, Moment Tensor Solution. s145,c362; 147,c790; Duration: 187; Moment tensor: Scale 10^20 Nm; Mn:4.08; M2:1.00; M3:-1.70; M4:3.36; M5:1.56; M6:1.00; M7:2.40; M8:0.01; M9:-1.78; M10:1.2; Best double couple: M5:67600.0^10^20 NP1:0.122.00000, 0.866.00000, 1.83.00000; NP2:0.318.00000, 0.825.00000, 1.104.00000

Principal axes: T 5.5050, Plg69.0000, Azm19.0000; N 0.3310, Plg6.0000; Azm125.0000; P -5.8460, Plg20.0000; Azm217.0000; nsta1 refers to body waves, cutoff=50s; nsta2 refers to surface/mantle waves, cutoff=150s. Triangular moment-rate function

NEIC 28 03:04:53.5, 0.0, 52.89N, 132.03W, h22km, Moment Tensor Solution. s196 Moment tensor: Scale 10^20Nm; Mn:4.75; M2:-3.04; M3:-1.70; M4:3.36; M5:2.21; M6:-1.79; Best double couple: M6:10000.0^10^20 NP1:0.312.00000, 0.826.00000, 1.100.00000; NP2:0.312.00000, 0.826.00000, 1.100.00000; Principal axes: T 6.1100, Plg70.0000, Azm22.0000; N -0.0500, Plg4.0000, Azm123.0000; P -6.0600, Plg19.0000; Azm125.0000

ISC 28 03:04:07.8, 0.6, 52.68N, 132.17W, 0.03, h7km, m3km, mb18.0, -1873.255, 5.6/62, MS7.6/680, 141C-23D, Queen Charlotte Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like BNB Barry Inlet, BNB Barry Inlet, H02N1 Van Inlet T-PH, etc.

Table with columns: ID, Name, Time, Status, Location, and other details. Includes entries like PFB Port Renfrew, PBCB Bare Point, GOBB Galiano Island, etc.

Table with columns: ID, Name, Time, Status, Location, and other details. Includes entries like DAWY Dawson, DAWY Dawson, WALA Waterton Lakes, etc.

Table with columns: ID, Name, Time, Status, Location, and other details. Includes entries like GDXM Geysers, MOMT Monida, FLYU Fort Yukon, etc.

R11A	comp=Z,1um,1.3s Troy Canyon, C	18.38 135	P	P	03 08 24.2 +0.9
TIN	baz=327 Tinemaha, Big	18.43 142	P	P	03 08 26.0 +2.3
FALS	baz=334,SNR=42 False Pass	18.52 289	eP	P	03 08 24.2 -0.2
JLU	comp=Z,2um,1.0s Jordanelle	18.58 122	eP	Pn	03 08 26.6 +1.0
NLU	comp=Z,2um,1.6s North Lily Min	18.75 125	eP	Pn	03 08 27.9 +0.2
GRAC	baz=302,SNR=86 Grapevine Rang	18.81 141	P	Pn	03 08 29.1 +0.9
MPU	comp=Z,2um,1.5s Maple Canyon	18.93 124	eP	Pn	03 08 29.6 -0.2
PAGB	comp=Z,2um,1.9s Antelope Grade	19.83 149	eP	Pn	03 08 31.2 +1.6
PSUT	comp=Z,4um,1.4s Pine Spring	19.01 131	eP	Pn	03 08 30.8 0.0
CWC	comp=Z,2um,1.5s Cottonwood Cre	19.03 143	P	Pn	03 08 32.0 +1.0
VES	baz=336 Vestal, Richgr	19.21 146	P	Pn	03 08 33.0 0.0
TPNV	comp=Z,7um,1.4s Topopah Spring	19.29 138	eP	Pn pmax	03 08 34.1 -0.1
TPNV	comp=Z,7um,1.4s Topopah Spring	19.29 138	P	Pn	03 08 34.2 0.0
DAC	comp=Z,4um,1.5s Darwin (Calif)	19.36 142	eP	Pn	03 08 35.0 0.0
DAC	comp=Z,4um,1.5s Darwin (Calif)	19.36 142	eP	Pn pmax	03 08 35.0 0.0
SMMC	comp=Z,4um,1.5s Simmler	19.39 149	P	Pn	03 08 35.8 +0.5
FURC	baz=338,SNR=26 Furnace Creek,	19.47 140	P	Pn	03 08 36.6 +0.5
ISA	comp=Z,2um,1.6s Isabella, Lake	19.59 145	eP	Pn	03 08 37.7 +0.1
ISA	comp=Z,2um,1.6s Isabella, Lake	19.59 145	eP	Pn pmax	03 08 37.7 +0.1
ISA	comp=Z,5um,1.6s Isabella, Lake	19.59 145	P	Pn	03 08 38.1 +0.5
MPMC	baz=335 Manual Prospec	19.59 142	P	Pn	03 08 38.3 +0.5
TCRU	comp=Z,2um,1.9s Three Creeks R	19.61 128	eP	Pn	03 08 38.2 +0.2
TMUT	comp=Z,2um,2.0s Trail Mountain	19.68 124	eP	Pn	03 08 38.5 -0.5
P17A	comp=Z,2um,2.0s Butcher Ranch,	19.79 123	eP	Pn	03 08 39.6 -0.5
MSU	comp=Z,3um,1.5s Marysvalle	19.82 128	eP	Pn	03 08 40.1 -0.4
MSU	comp=Z,3um,1.5s Marysvalle	19.82 128	eP	Pn	03 08 40.1 -0.4
PKM	comp=Z,3um,1.5s Mcperson Peak	19.84 149	P	Pn	03 08 41.0 +0.2
K22A	comp=Z,14um,1.9s Casper	19.87 110	eP	P	03 08 39.2 -0.3
K22A	comp=Z,14um,1.9s Casper	19.87 110	P	P	03 08 39.4 -0.1
P18A	comp=Z,3um,1.2s Preston Nutter	19.92 122	eP	Pn	03 08 41.3 -0.5
ARVC	comp=Z,3um,1.2s Arvin	19.95 146	P	Pn	03 08 41.0 -0.8
AKUT	comp=Z,11um,1.3s Akutan	19.98 288	eP	Pn	03 08 42.2 +0.2
CCUT	comp=Z,4um,1.6s Cedar City	20.03 132	eP	P	03 08 42.1 +0.7
CCUT	comp=Z,1706um,18.0s Laurel Mtn Rad	20.03 143	P	Pn	03 08 42.8 -0.1
LRMC	comp=Z,3um,1.2s Laurel Mtn Rad	20.03 143	P	Pn	03 08 42.8 -0.1
RWWY	comp=Z,4um,1.4s Rawlins	20.11 113	eP	P	03 08 41.1 -1.0
RWWY	comp=Z,727um,22.0s Sheep Range	20.12 137	eP	P	03 08 42.4 +0.2
SHPR	comp=Z,5um,1.7s Sheep Range	20.12 137	eP	P	03 08 42.4 +0.2
SHPR	comp=Z,1378um,22.0s Shurtz Canyon	20.12 137	eP	P	03 08 42.4 +0.2
SZCU	comp=Z,5um,1.7s Shurtz Canyon	20.12 137	eP	P	03 08 42.4 +0.2
SZCU	comp=Z,1725um,18.0s San Rafael Sw	20.17 124	eP	Pn	03 08 43.9 -0.7
SRU	comp=Z,3um,1.4s San Rafael Sw	20.17 124	eP	Pn	03 08 43.9 -0.7
SRU	comp=Z,1265um,19.0s San Rafael Sw	20.17 124	eP	Pn	03 08 43.9 -0.7
SRU	comp=Z,3um,1.4s San Rafael Sw	20.17 124	eP	Pn pmax	03 08 43.9 -0.7
SRU	comp=Z,3um,1.4s San Rafael Sw	20.17 124	eP	Pn pmax	03 08 43.9 -0.7
SRU	comp=Z,1265um,19.0s San Rafael Sw	20.17 124	eP	Pn pmax	03 08 43.9 -0.7
MTPU	comp=Z,2um,1.9s Mount Pierson	20.18 129	eP	Pn	03 08 44.3 -0.7
MTPU	comp=Z,2um,1.9s Mount Pierson	20.18 129	eP	Pn	03 08 44.3 -0.7
SHOC	comp=Z,1948um,21.0s Shoshone, Tecco	20.19 140	P	Pn	03 08 44.1 -0.6
SBC	baz=332 Santa Barbara	20.29 149	P	Pn	03 08 45.8 0.0
RSSD	comp=Z,5um,1.8s Black Hills	20.44 103	eP	P	03 08 45.4 -0.3
RSSD	comp=Z,948um,18.0s Black Hills	20.44 103	eP	P	03 08 45.4 -0.3
RSSD	comp=Z,5um,1.8s Black Hills	20.44 103	eP	Pn pmax	03 08 45.4 -0.3
RSSD	comp=Z,948um,18.0s Black Hills	20.44 103	eP	Pn pmax	03 08 45.4 -0.3
RSSD	comp=Z,948um,18.0s Black Hills	20.44 103	eP	Pn pmax	03 08 45.4 -0.3
RSSD	comp=Z,948um,18.0s Black Hills	20.44 103	eP	Pn pmax	03 08 45.4 -0.3
RSSD	comp=Z,948um,18.0s Black Hills	20.44 103	eP	Pn pmax	03 08 45.4 -0.3
OSI	comp=Z,5um,1.5s Osito Audit: C	20.45 147	eP	P	03 08 47.4 -0.4
OSI	comp=Z,1654um,20.0s Osito Audit: C	20.45 147	P	Pn	03 08 47.0 -0.8
UNV	comp=Z,3um,1.1s Unalaska Valle	20.45 287	eP	Pn	03 08 49.5 +1.8
UNV	comp=Z,858um,19.0s Edwards Air Fo	20.46 145	P	P	03 08 46.5 +0.7
EDW2	comp=Z,3um,1.1s Edwards Air Fo	20.46 145	P	P	03 08 46.5 +0.7
GSC	comp=Z,4um,1.4s Goldstone, Bar	20.51 142	eP	Pn	03 08 47.6 -1.0
GSC	comp=Z,1277um,18.0s Goldstone, Bar	20.51 142	eP	Pn	03 08 47.6 -1.0
GSC	comp=Z,4um,1.4s Goldstone, Bar	20.51 142	eP	Pn pmax	03 08 47.6 -1.0
GSC	comp=Z,4um,1.4s Goldstone, Bar	20.51 142	eP	Pn pmax	03 08 47.6 -1.0
GSC	comp=Z,1277um,18.0s Goldstone, Bar	20.51 142	eP	Pn pmax	03 08 47.6 -1.0
GSC	comp=Z,1277um,18.0s Goldstone, Bar	20.51 142	eP	Pn pmax	03 08 47.6 -1.0
LCMT	comp=Z,3um,1.4s Little Creek M	20.53 132	eP	P	03 08 47.4 +0.8
LCMT	comp=Z,1555um,20.0s Pink Cliffs	20.60 130	eP	P	03 08 48.6 +1.0
PKCU	comp=Z,6um,1.5s White River Ci	20.61 118	eP	P	03 08 48.1 +0.5
O20A	comp=Z,1536um,20.0s White River Ci	20.61 118	eP	P	03 08 48.1 +0.5
O20A	comp=Z,1362um,18.0s White River Ci	20.61 118	P	P	03 08 48.3 +0.7
O20A	comp=Z,1362um,18.0s White River Ci	20.61 118	P	P	03 08 48.3 +0.7
ANM	comp=Z,6um,1.3s Nome	20.69 318	eP	Pn	03 08 49.7 -0.6
ANM	comp=Z,1668um,20.0s Kanab	20.71 131	eP	P	03 08 49.5 +0.8
KNB	comp=Z,3um,1.3s Kanab	20.71 131	eP	P	03 08 49.5 +0.8
KNB	comp=Z,1570um,19.0s Kanab	20.71 131	eP	Pn pmax	03 08 49.5 +0.8
KNB	comp=Z,3um,1.3s Kanab	20.71 131	eP	Pn pmax	03 08 49.5 +0.8
KNB	comp=Z,1570um,19.0s Kanab	20.71 131	eP	Pn pmax	03 08 49.5 +0.8
SCZ2	comp=Z,3um,1.3s Santa Cruz Isl	20.73 149	P	Pn	03 08 50.0 -1.0
TUQ	comp=Z,3um,1.3s Turquoise Moun	20.74 140	P	P	03 08 49.9 +1.0

BLG	baz=332 Laguna Peak,	20.80 148	P	Pn	03 08 50.8 -1.0
REX	comp=Z,2um,1.5s Edison Barstow	20.82 143	P	Pn	03 08 51.4 -0.7
DECC	comp=Z,2um,1.5s Green Verdugo	20.91 146	P	P	03 08 51.7 +1.0
MWC	comp=Z,6um,1.5s Mount Wilson	21.03 146	eP	P	03 08 53.2 +1.1
MWC	comp=Z,1592um,21.0s Mount Wilson	21.03 146	eP	LR	03 08 53.2 +1.1
MWC	comp=Z,6um,1.5s Mount Wilson	21.03 146	eP	P pmax	03 08 53.2 +1.1
MWC	comp=Z,6um,1.5s Mount Wilson	21.03 146	eP	MLR	03 08 53.2 +1.1
PASC	comp=Z,1592um,21.0s Pasadena Art C	21.04 146	eP	P	03 08 53.6 +1.6
PASC	comp=Z,6um,1.5s Pasadena Art C	21.04 146	eP	LR	03 08 53.6 +1.6
HEC	comp=Z,1558um,21.0s Hector,Ludlow	21.11 141	P	P	03 08 54.0 +1.1
BFSC	comp=Z,3um,1.1s Mount Baldy Ra	21.16 145	P	P	03 08 54.6 +1.2
MDND	comp=Z,10um,1.3s Maddock	21.26 90	eP	P	03 08 55.2 +0.8
MDND	comp=Z,1966um,18.0s Maddock	21.26 90	P	P	03 08 54.6 +0.2
RDOG	comp=Z,2um,1.2s Red Dog Mine	21.28 328	eP	P	03 08 54.5 +0.2
RDOG	comp=Z,1922um,20.0s Paradox Valley	21.34 122	eP	P	03 08 55.9 +0.3
PV09	comp=Z,3um,1.1s Red Feather La	21.35 113	eP	P	03 08 55.5 -0.1
N23A	comp=Z,576um,21.0s Red Feather La	21.35 113	P	LR	03 08 55.5 -0.1
N23A	comp=Z,576um,21.0s Red Feather La	21.35 113	P	LR	03 08 55.5 -0.1
N23A	comp=Z,576um,21.0s Red Feather La	21.35 113	P	P	03 08 55.6 0.0
PHWY	comp=Z,2um,1.2s Pilot Hill	21.35 112	eP	P	03 08 55.1 -0.5
PHWY	comp=Z,909um,19.0s Pilot Hill	21.37 139	eP	LR	03 08 55.4 -0.3
LDFC	comp=Z,5um,1.1s Landfill	21.37 139	eP	LR	03 08 55.4 -0.3
LDFC	comp=Z,1645um,18.0s Cone Mtn., Par	21.38 122	eP	P	03 08 56.2 +0.3
PV21	comp=Z,5um,1.7s Cone Mtn., Par	21.38 122	eP	P	03 08 56.2 +0.3
BBRC	comp=Z,5um,1.7s Big Bear Solar	21.40 143	P	P	03 08 57.3 +1.2
GMRC	comp=Z,3um,1.5s Granite Mount	21.41 140	P	P	03 08 56.9 +0.8
FMP	comp=Z,3um,1.5s Fort Macarthur	21.42 147	P	P	03 08 56.6 +0.5
PV23	comp=Z,3um,1.3s Carpenter Ridg	21.44 122	eP	P	03 08 56.9 +0.3
PV23	comp=Z,2248um,19.0s North Rim	21.44 131	eP	P	03 08 57.2 +0.5
U15A	comp=Z,1um,0.9s North Rim	21.44 131	eP	LR	03 08 57.2 +0.5
U15A	comp=Z,1549um,18.0s San Nicolas Is	21.45 150	eP	LR	03 08 59.0 +2.6
SNCC	comp=Z,686um,19.0s San Nicolas Is	21.45 150	P	LR	03 08 57.6 +1.1
SNCC	comp=Z,686um,19.0s San Nicolas Is	21.45 150	P	LR	03 08 57.6 +1.1
PV10	comp=Z,3um,1.3s Paradox Valley	21.48 123	eP	P	03 08 58.0 +1.0
PV22	comp=Z,2um,1.2s Blue Mesa, Par	21.49 122	eP	P	03 08 57.3 +0.2
PV12	comp=Z,1883um,19.0s Lion Creek, Pa	21.49 123	eP	LR	03 08 57.4 +0.2
PV14	comp=Z,2116um,18.0s West Nyswonger	21.55 122	eP	LR	03 08 58.2 +0.5
PV20	comp=Z,5um,1.7s West Nyswonger	21.55 122	eP	P	03 08 58.2 +0.5
PV20	comp=Z,1692um,18.0s Morning Glory	21.56 123	eP	P	03 08 58.1 +0.2
PV19	comp=Z,1692um,18.0s Nyswonger Mesa	21.60 122	eP	P	03 08 58.4 +0.2
PV16	comp=Z,3um,1.3s Nyswonger Mesa	21.60 122	eP	LR	03 08 58.4 +0.2
PV17	comp=Z,1796um,18.0s East Wray Mesa	21.60 123	eP	P	03 08 58.4 +0.2
PV17	comp=Z,2038um,18.0s David Mesa, Pa	21.63 122	eP	LR	03 08 58.8 +0.2
PV11	comp=Z,2213um,18.0s Skein Mesa, Pa	21.65 123	eP	P	03 08 59.0 +0.2
PV18	comp=Z,1784um,19.0s Skein Mesa, Pa	21.65 123	eP	LR	03 08 59.0 +0.2
PV12	comp=Z,2302um,19.0s Catalina Islan	21.66 147	P	P	03 08 59.1 +0.4
CIS	comp=Z,2302um,19.0s Catalina Islan	21.66 147	P	P	03 08 59.1 +0.4
PV03	comp=Z,1658um,18.0s Paradox Valley	21.77 122	eP	P	03 09 00.5 +0.4
PV05	comp=Z,2um,1.2s Paradox Valley	21.77 122	eP	P	03 09 01.5 +0.9
PV13	comp=Z,2um,1.1s Radium Mtn., P	21.76 123	eP	P	03 09 01.1 +0.1
PV13	comp=Z,1658um,18.0s Paradox Valley	21.77 122	eP	LR	03 09 00.5 +0.4
PV02	comp=Z,2um,1.2s NEE2	21.84 138	P	P	03 09 01.5 +0.9
W13A	comp=Z,1002um,19.0s Hualapai Mount	21.86 136	eP	P	03 09 01.5 +0.5
W13A	comp=Z,1002um,19.0s Hualapai Mount	21.86 136	eP	LR	03 09 01.8 +0.7
MURC	comp=Z,1920um,19.0s San Clemente I	22.01 148	P	P	03 09 03.5 +1.1
NIKH	comp=Z,5um,1.3s Nikolski High	22.02 285	eP	P	03 09 01.8 -0.6
NIKH	comp=Z,534um,21.0s Fort Churchill	22.06 59	eP	LR	03 09 02.9 +0.1
FCC	comp=Z,5um,1.1s Fort Churchill	22.06 59	eP	P	03 09 02.9 +0.1

28d 3h

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1302

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like LAZ, TUC, ATKO, LNM, LPM, Y22D, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like MNTX, MNTX, F41A, F41A, F41A, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like T38A, O41A, E45A, K43A, K43A, etc.

JCT	comp-Z,1029um,18.0s	LR	LR				
JCT	Junction City 32.40 120	eP	P	03 10 37.2	-0.9		
JCT	comp-Z,1um,1.5s		pmax				
JCT	comp-Z,1029um,18.0s	MLR	MLR				
JCT	Junction City 32.40 120	P	P	03 10 37.3	-0.7		
R43A	Red Bud 32.42 99	P	P	03 10 37.0	-1.1		
BILL	Bilibino 32.42 322	eP	P	03 10 38.4	+0.6		
BILL	comp-Z,1283um,20.0s	LR	LR				
BILL	Bilibino 32.42 322	iP	P	03 10 38.3	+0.5		
BILL	comp-Z,282nm,1.5s		pmax				
BILL	comp-Z,9um,7.6s		pmax				
HIG	comp-Z,966um,14.0s	MLR	MLR				
HPIG	comp-Z,1um,1.8s	eP	P	03 10 39.3	+0.6		
HPIG	comp-Z,1um,1.8s	LR	LR				
P44A	Sand Creek, Wi 32.46 96	P	P	03 10 38.3	-0.1		
WHTX	Lake Whitney, 32.49 116	eP	P	03 10 38.1	-0.6		
WHTX	comp-Z,989um,21.0s	LR	LR				
WHTX	Lake Whitney, 32.49 116	P	P	03 10 38.4	-0.4		
X39A	Fountain Ranch 32.51 109	P	P	03 10 38.6	-0.4		
U41A	Viola 32.52 104	P	P	03 10 37.9	-1.1		
O45A	Potomac 32.52 94	P	P	03 10 38.3	-0.6		
T42A	Van Buren 32.54 102	eP	P	03 10 37.8	-1.4		
T42A	comp-Z,527um,21.0s	LR	LR				
T42A	Van Buren 32.54 102	P	P	03 10 38.3	-0.9		
J47A	Summer 32.55 88	P	P	03 10 38.8	-0.4		
Q44A	Meyer Farm, Va 32.57 98	P	P	03 10 38.9	-0.5		
W40A	Ferguson Farm, 32.64 107	eP	P	03 10 39.6	-0.4		
W40A	comp-Z,369um,21.0s	LR	LR				
W40A	Ferguson Farm, 32.64 107	P	P	03 10 39.6	-0.4		
M46A	Old House Fiel 32.66 92	eP	P	03 10 39.0	-1.2		
M46A	comp-Z,1734um,20.0s	LR	LR				
M46A	Old House Fiel 32.66 92	P	P	03 10 39.1	-1.1		
N46A	Monticello 32.73 93	P	P	03 10 39.6	-1.2		
K47A	Vermontville 32.76 89	P	P	03 10 39.9	-1.1		
V41A	Mountainview 32.76 105	P	P	03 10 39.9	-1.2		
S43A	Fulton Ridge, 32.79 100	P	P	03 10 40.3	-1.1		
MIAR	Mount Ida 32.80 108	eP	P	03 10 41.3	-0.2		
MIAR	comp-Z,851um,19.0s	LR	LR				
MIAR	Mount Ida 32.80 108	eP	pmax	03 10 41.3	-0.2		
MIAR	comp-Z,1um,1.3s		pmax				
MIAR	comp-Z,851um,19.0s	MLR	MLR				
MIAR	Mount Ida 32.80 108	P	P	03 10 41.3	-0.2		
SFIN	Lafayette 32.82 94	eP	P	03 10 41.3	-0.3		
SFIN	comp-Z,1922um,18.0s	LR	LR				
SFIN	Lafayette 32.82 94	P	P	03 10 39.6	-2.0		
SUNO	Sudbury Onapin 32.87 80	Pn	P	03 10 41.4	-0.6		
U42A	Revdent 32.91 103	P	P	03 10 40.4	-2.0		
K1LO	Kirkland Lake 32.95 76	Pn	P	03 10 42.7	0.0		
P45A	Graceland, Par 32.95 96	P	P	03 10 42.6	-0.1		
P45A	comp-Z,1540um,18.0s	LR	LR				
P45A	Graceland, Par 32.95 96	P	P	03 10 42.5	-0.2		
R44A	Waltonville 32.95 99	P	P	03 10 42.1	-0.7		
T43A	Greenview 32.99 101	P	P	03 10 41.4	-1.6		
LPIG	La Paz 32.92 141	P	P	03 10 43.5	+0.1		
LPIG	comp-Z,20nm,0.6s,baz=158,slow=3.8,SNR=8.5	LR	LR				
WHAR	Woolly Hollow 33.02 106	eP	P	03 10 42.4	-1.0		
L47A	Sherwood 33.03 90	P	P	03 10 42.0	-1.4		
CLRN	Clyde River 33.05 34	Pn	P	03 10 41.4	-1.8		
Q45A	Warren Harvey, 33.10 97	P	P	03 10 43.5	-0.5		
PBMO	Poplar Bluff 33.11 102	eP	P	03 10 42.1	-2.0		
PBMO	comp-Z,711nm,1.4s	LR	LR				
W41B	Gary Mavity, V 33.13 106	eP	P	03 10 43.0	-1.3		
W41B	comp-Z,2um,2.0s	LR	LR				
W41B	Gary Mavity, V 33.13 106	P	P	03 10 43.6	-0.7		
M47A	Cromwell 33.13 91	P	P	03 10 43.5	-0.8		
J48A	Bridge Port 33.15 87	P	P	03 10 44.4	0.0		
V42A	Cord 33.20 104	P	P	03 10 43.3	-1.6		
S44A	Carbondale 33.20 99	P	P	03 10 44.0	-1.0		
SIUC	Southern Illin 33.21 99	eP	P	03 10 44.0	-1.0		
SIUC	comp-Z,571nm,1.0s	LR	LR				
K48A	Perry 33.22 88	P	P	03 10 44.5	-0.6		
P46A	Rosedale 33.22 95	P	P	03 10 44.7	-0.4		
OLIL	Olney 33.23 97	eP	P	03 10 44.8	-0.4		
OLIL	comp-Z,1um,1.2s	LR	LR				
X40A	Basin Creek Fa 33.27 107	eP	P	03 10 45.1	-0.5		
X40A	comp-Z,401um,19.6s,baz=332,slow=3.5	LR	LR				
X40A	Basin Creek Fa 33.27 107	P	P	03 10 44.8	-0.8		
435B	Jarell 33.35 117	eP	P	03 10 46.7	+0.5		
435B	comp-Z,469nm,1.0s	LR	LR				
435B	Jarell 33.35 117	P	P	03 10 45.9	-0.4		
Y40A	Okolona 33.35 108	P	P	03 10 45.8	-0.4		
UALR	University of 33.35 106	eP	P	03 10 45.5	-0.7		
UALR	comp-Z,949nm,1.3s	LR	LR				
TULEG	Thule 33.37 22	eP	P	03 10 46.3	+0.3		
TULEG	comp-Z,2um,1.3s	LR	LR				
N47A	Urbana 33.37 92	P	P	03 10 44.9	-1.5		
I49A	Point Hope 33.38 85	P	P	03 10 46.4	0.0		

U43A	Rector 33.40 102	P	P	03 10 44.9	-1.7		
R45A	Skyler, Fairri 33.40 98	P	P	03 10 46.4	-0.3		
T44A	Benton 33.40 101	P	P	03 10 45.6	-1.1		
X41A	Kaden, Bauxite 33.45 107	P	P	03 10 46.4	-0.7		
O47A	Sheridan 33.47 93	P	P	03 10 46.1	-1.2		
TOBO	Tobermony, Bru 33.48 82	P	P	03 10 47.1	-0.2		
W42A	Bald Knob 33.48 105	P	P	03 10 46.1	-1.3		
Q46A	CEJHS Indians, 33.50 96	P	P	03 10 46.9	-0.6		
J49A	Marlette 33.50 86	P	P	03 10 46.8	-0.8		
L48A	N Adams 33.52 89	P	P	03 10 46.4	-1.3		
SLBS	Sierra La Lagu 33.53 141	eP	P	03 10 49.3	+1.3		
SLBS	comp-Z,1um,1.8s	LR	LR				
PARMO	Parma 33.59 101	eP	P	03 10 46.2	-2.1		
PARMO	comp-Z,636nm,0.9s	LR	LR				
MATO	Matagami 33.60 73	P	P	03 10 48.5	+0.2		
M48A	Edgerton 33.61 90	eP	P	03 10 48.9	+0.4		
M48A	comp-Z,1um,1.6s	LR	LR				
M48A	Edgerton 33.61 90	P	P	03 10 47.2	-1.3		
S45A	Carrier Mills 33.62 99	P	P	03 10 47.3	-1.3		
K49A	Clarkson 33.63 87	P	P	03 10 48.5	-0.2		
WLAR	White Oak Lake 33.68 109	eP	P	03 10 49.3	+0.2		
V43A	Jonesboro 33.71 103	P	P	03 10 48.0	-1.4		
U44A	Portageville 33.73 101	P	P	03 10 48.2	-1.3		
AAM	Ann Arbor 33.78 88	eP	P	03 10 50.0	0.0		
AAM	comp-Z,2um,1.9s	LR	LR				
AAM	Ann Arbor 33.78 88	eP	pmax	03 10 50.0	0.0		
AAM	comp-Z,2um,1.9s	MLR	MLR				
AAM	Ann Arbor 33.78 88	P	P	03 10 49.3	-0.7		
PVMO	Portageville 33.79 102	eP	P	03 10 48.5	-1.5		
PVMO	comp-Z,917nm,1.2s	LR	LR				
N48A	Decatur 33.79 91	P	P	03 10 49.0	-1.1		
FRB	Frobisher Bay 33.82 46	P	P	03 10 50.2	+0.1		
FRB	comp-Z,76nm,0.8s,baz=274,slow=9.0,SNR=7.8	LR	LR				
FRB	Frobisher Bay 33.82 46	Pn	P	03 10 50.1	+0.1		
FRB	Frobisher Bay 33.82 46	P	pmax	03 10 52.2	+2.2		
Z40A	Lon Farm, Mag 33.83 110	P	P	03 10 50.7	+0.4		
L49A	Milan 33.83 88	P	P	03 10 50.1	-0.3		
Y41A	Eagleite Beard 33.83 108	P	P	03 10 50.7	+0.3		
P47A	Martinsville 33.87 94	P	P	03 10 49.9	-0.9		
GNAR	Goßnell 33.90 103	eP	P	03 10 49.3	-1.7		
BLO	Bloomington 33.91 95	eP	P	03 10 51.3	+0.2		
BLO	comp-Z,1762um,19.0s	LR	LR				
BLO	Bloomington 33.91 95	eP	pmax	03 10 51.3	+0.2		
BLO	comp-Z,1um,1.1s	MLR	MLR				
R46A	Gibson Southern 33.92 97	P	P	03 10 50.4	-0.7		
X42A	Stuttgart 33.93 106	P	P	03 10 50.9	-0.4		
USIN	University of 33.99 98	eP	P	03 10 51.0	-0.8		
USIN	comp-Z,1um,1.1s	LR	LR				
BMRO	Meriele Lake 34.00 83	P	P	03 10 51.8	0.0		
T45A	Paducah 34.01 100	eP	P	03 10 51.0	-1.0		
T45A	comp-Z,998um,18.0s	LR	LR				
T45A	Paducah 34.01 100	P	P	03 10 51.2	-0.8		
BASO	Ashfield 34.04 84	P	P	03 10 51.9	-0.2		
U44B	Burton Farm, H 34.05 101	P	P	03 10 51.5	-0.7		
BRCO	Bruce Peninsula 34.05 84	P	P	03 10 52.5	+0.2		
V44A	Blytheville 34.07 103	P	P	03 10 52.5	+0.1		
M49A	Liberty Center 34.07 90	P	P	03 10 51.5	-1.0		
O48A	Farnand 34.08 92	P	P	03 10 50.9	-1.7		
W43A	Forest City 34.09 104	P	P	03 10 51.2	-1.5		
Q47A	Bedord North L 34.12 95	P	P	03 10 52.6	-0.3		
GLAT	Glass 34.13 101	eP	P	03 10 52.2	-0.8		
GLAT	comp-Z,5um,2.0s	LR	LR				
S46A	Don Dixon Farm 34.14 98	P	P	03 10 52.4	-0.7		
K50A	Casco 34.14 87	P	P	03 10 52.2	-0.9		
Z41A	Richland Creek 34.17 109	eP	P	03 10 53.6	+0.2		
Z41A	comp-Z,485um,18.0s	LR	LR				
Z41A	Richland Creek 34.17 109	P	P	03 10 53.2	-0.2		
140A	Cam and Jess, 34.18 110	eP	P	03 10 53.9	+0.4		
140A	comp-Z,2um,1.1s	LR	LR				
140A	Cam and Jess, 34.18 110	P	P	03 10 53.8	+0.4		

HLP	comp=Z,589um,18.0s	37.87	217	PFAKE	LR	03 11 40.0	+15	A21	Saint Andre	39.20	71	Pn	P	03 11 35.8	-0.3	PET	comp=Z,73um,14.6s		pmax	pmax	
HLP	Hilina Pali			LR	LR			ACCN	Adirondack Com	39.21	80	eP	P	03 11 36.5	+0.3	PET	comp=Z,1um,1.2s		pmax	pmax	
Y50A	comp=Z,1294um,21.0s	37.88	101	P	P	03 11 24.6	-0.6	ACCN	comp=Z,1052um,18.0s			LR	LR			PET	comp=N,140um,19.3s		smax	smax	
Z49A	Piedmt	37.89	103	P	P	03 11 23.6	-1.6	ILULI	Ilulissat	39.22	34	eP	P	03 11 37.3	+1.3	PET	comp=N,90um,15.5s		smax	smax	
DPQ	baz=314,SNR=30							ILULI	comp=Z,943nm,1.6s			LR	LR			JSC	comp=N,90um,15.5s	40.30	96	eP	P
Z49A	Columbiana	37.89	103	P	P	03 11 23.6	-1.6	ILULI	Ilulissat	39.22	34	i	P	03 11 36.8	+0.8	JSC	Jenkinsville			LR	LR
DPQ	baz=315,SNR=15							ILULI	comp=Z,631um,18.0s			MLR	MLR			JSC	comp=N,1um,1.3s				
X51A	Saint Jean	37.93	75	Pn	P	03 11 24.8	-0.6	ILULI	Ilulissat	39.22	34	eP	P	03 11 36.8	+0.8	154A	Montrose	40.34	100	eP	P
X51A	Calhoum	37.94	99	eP	P	03 11 25.1	-0.6	ILULI	comp=Z,1463um,16.0s			MLR	MLR			154A	comp=Z,1um,1.2s			LR	LR
X51A	comp=Z,928um,21.0s							ILULI	Ilulissat	39.22	34	eP	P	03 11 36.8	+0.8	154A	Montrose	40.34	100	eP	P
X51A	Calhoum	37.94	99	P	P	03 11 24.9	-0.8	ILULI	comp=Z,1500um,16.0s			MLR	MLR			154A	comp=Z,619um,22.0s			LR	LR
Z48A	Dixon Mills	37.96	105	P	P	03 11 25.0	-0.9	VT1	Waterbury	39.22	78	eP	P	03 11 36.4	+0.1	154A	Montrose	40.34	100	P	P
Z48A	baz=314,SNR=40							PAGS	comp=Z,708nm,1.1s			P	P	03 11 35.6	-0.8	452A	Marianna	40.36	104	P	P
Z48A	baz=316,SNR=26							PAGS	Pennsylvania G	39.22	86	eP	P	03 11 35.6	-0.8	PAL	Palisades	40.46	83	eP	P
446A	Poplarville	37.96	108	P	P	03 11 25.7	-0.1	PAGS	comp=Z,819nm,1.3s			LR	LR			PAL	comp=Z,347nm,1.2s			LR	LR
X51A	Calhoum	37.97	79	eP	P	03 11 25.3	-0.6	449A	Pace	39.23	106	P	P	03 11 36.6	+0.1	PAL	Palisades	40.46	83	eP	P
LONY	Lake Ozonia	37.97	79	eP	P	03 11 25.3	-0.6	350A	Dozier	39.27	104	P	P	03 11 36.4	-0.4	PAL	Palisades	40.46	83	eP	P
LONY	comp=Z,911um,18.0s							CNQ	Baie Comeau	39.30	68	Pn	P	03 11 36.6	-0.4	PAL	Palisades	40.46	83	eP	P
LONY	Lake Ozonia	37.97	79	P	P	03 11 25.2	-0.6	251A	Midway	39.34	103	P	P	03 11 36.0	-1.4	PAL	comp=Z,347nm,1.2s			MLR	MLR
347A	Saraland	37.99	107	P	P	03 11 25.9	-0.2	152A	Waverly Hall	39.34	101	eP	P	03 11 36.8	-0.7	PAL	Palisades	40.46	83	P	P
MNTQ	Montreal, Queb	38.06	77	Pn	P	03 11 26.1	-0.4	152A	Waverly Hall	39.34	101	eP	P	03 11 36.8	-0.7	PAL	Palisades	40.46	83	P	P
O56A	Blue Knob Stat	38.08	87	eP	P	03 11 26.2	-0.2	152A	Waverly Hall	39.34	101	eP	P	03 11 36.8	-0.7	PAL	Palisades	40.46	83	P	P
O56A	comp=Z,410nm,1.2s							152A	comp=Z,719um,18.0s			LR	LR			Z55A	Blythe	40.50	98	P	P
O56A	comp=Z,479um,19.0s							152A	Waverly Hall	39.34	101	P	P	03 11 36.3	-1.1	CPNY	Central Park	40.56	83	eP	P
O56A	Blue Knob Stat	38.08	87	P	P	03 11 25.4	-1.4	N59A	State Game Lan	39.38	84	eP	P	03 11 37.2	-0.5	CPNY	comp=Z,906nm,1.6s			LR	LR
U53A	Fall Branch	38.11	95	P	P	03 11 26.5	-0.7	N59A	comp=Z,1772um,20.0s			LR	LR			353A	Camilla	40.58	102	P	P
W52A	Murphy	38.14	98	eP	P	03 11 26.4	-1.0	N59A	State Game Lan	39.38	84	P	P	03 11 36.4	-1.4	QUA2	Belchertown	40.64	80	eP	P
W52A	comp=Z,2um,1.0s							450A	Crestview	39.57	105	P	P	03 11 39.6	+0.3	254A	Abbeville	40.70	101	P	P
W52A	Murphy	38.14	98	P	P	03 11 26.8	-0.6	GOGA	Godfrey	39.57	99	eP	P	03 11 39.2	-0.1	PQI	Presque Isle	40.71	72	eP	P
W52A	Murphy	38.14	98	P	P	03 11 26.8	-0.6	GOGA	comp=Z,657um,20.0s			LR	LR			155A	Kite	40.72	99	P	P
149A	Jones	38.16	103	P	P	03 11 26.4	-1.1	GOGA	Godfrey	39.57	99	eP	P	03 11 39.2	-0.1	PEAOB	Petropavlovsk	40.74	300	eP	P
546A	Slidell	38.17	109	P	P	03 11 28.3	+0.7	GOGA	comp=Z,1um,1.4s			MLR	MLR			PEAOB	Petropavlovsk	40.74	300	eP	P
DAQ	Lac Daran	38.17	72	Pn	P	03 11 27.4	-0.2	GOGA	Godfrey	39.57	99	eP	P	03 11 39.2	-0.1	PEAOB	Petropavlovsk	40.74	300	eP	P
Z50A	Ashland	38.21	102	eP	P	03 11 27.3	-0.7	GOGA	comp=Z,1um,1.4s			MLR	MLR			PETK	Petropavlovsk	40.74	300	P	P
Z50A	comp=Z,2um,1.7s							GOGA	Godfrey	39.57	99	P	P	03 11 38.7	-0.6	PETK	comp=Z,501um,20.6s			LR	LR
Z50A	comp=Z,387um,20.0s							GOGA	Godfrey	39.57	99	P	P	03 11 38.7	-0.6	PETK	Petropavlovsk	40.74	300	eP	P
Z50A	Ashland	38.21	102	P	P	03 11 27.0	-1.0	TRY	Troy	39.58	80	eP	P	03 11 39.9	+0.5	PKME	Peaks-Kenny Pk	40.74	74	eP	P
Z50A	comp=Z,315,SNR=30							TRY	comp=Z,704nm,1.4s			LR	LR			PKME	Peaks-Kenny Pk	40.74	74	eP	P
645A	Chauvin	38.24	111	P	P	03 11 29.6	+1.4	MVL	Millersville	39.59	86	eP	P	03 11 38.8	-0.6	PKME	Peaks-Kenny Pk	40.74	74	eP	P
SSPA	Standing Stone	38.27	86	eP	P	03 11 27.6	-0.8	MVL	comp=Z,426nm,1.2s			LR	LR			PKME	Peaks-Kenny Pk	40.74	74	eP	P
SSPA	comp=Z,634nm,1.5s							MVL	comp=Z,813um,21.0s			LR	LR			PKME	Peaks-Kenny Pk	40.74	74	eP	P
SSPA	Standing Stone	38.27	86	P	P	03 11 27.0	-1.4	Z53A	Monticello	39.60	100	P	P	03 11 38.7	-0.8	PKME	Peaks-Kenny Pk	40.74	74	eP	P
SSPA	Standing Stone	38.27	86	P	P	03 11 27.0	-1.4	PAULI	Pauline	39.60	96	eP	P	03 11 39.4	-0.2	MOIG	Morella	40.76	132	eP	P
Y51A	Rockmart	38.27	100	P	P	03 11 27.5	-1.0	SMQ	Clarke City	39.62	66	Pn	P	03 11 38.5	-1.1	MOIG	comp=Z,703nm,1.3s			LR	LR
BECC	Beaucour	38.28	75	Pn	P	03 11 28.2	-0.2	ICQ	Pointe Anglais	39.65	68	Pn	P	03 11 39.5	-0.3	552A	Lynn Haven	40.82	105	P	P
MNQ	Manicouagan	38.30	67	Pn	P	03 11 28.0	-0.6	SDMD	Soldier's Deli	39.65	87	eP	P	03 11 40.8	+0.8	YLE	Yale	40.86	82	eP	P
348A	Jackson	38.35	106	eP	P	03 11 28.9	-0.2	SDMD	comp=Z,154nm,1.3s			LR	LR			YLE	comp=Z,2um,2.0s			LR	LR
348A	Jackson	38.35	106	P	P	03 11 28.9	-0.2	SDMD	comp=Z,441um,18.0s			LR	LR			YLE	comp=Z,2024um,22.0s			LR	LR
348A	Jackson	38.35	106	P	P	03 11 29.2	+0.1	KMSC	Kings Mountain	39.67	96	eP	P	03 11 39.7	-0.5	453A	Whigham	40.87	103	eP	P
447A	Lucedale	38.37	107	eP	P	03 11 30.2	+1.0	KMSC	comp=Z,1751um,19.0s			LR	LR			453A	Whigham	40.87	103	eP	P
447A	comp=Z,2um,1.4s							KMSC	Kings Mountain	39.67	96	P	P	03 11 38.6	-1.6	453A	Whigham	40.87	103	eP	P
447A	comp=Z,252um,20.0s							Y54A	Tignall	39.73	98	P	P	03 11 39.9	-0.8	453A	Whigham	40.87	103	eP	P
447A	Lucedale	38.37	107	P	P	03 11 30.3	+1.0	HODGE	Hodges	39.73	97	eP	P	03 11 39.7	-1.0	TIGA	Tifton	40.88	102	PFAKE	LR
249A	Camden	38.41	104	P	P	03 11 29.1	-0.5	LBNH	Libson	39.76	77	eP	P	03 11 41.4	+0.5	TIGA	comp=Z,537um,19.0s			LR	LR
53A	Saluda	38.43	96	eP	P	03 11 30.0	+0.2	LBNH	Libson	39.76	77	eP	P	03 11 41.4	+0.5	TIGA	Tifton	40.88	102	P	P
53A	comp=Z,4um,1.9s							LBNH	comp=Z,922um,21.0s			MLR	MLR			WVL	Waterville	40.92	75	eP	P
53A	Saluda	38.43	96	P	P	03 11 29.3	-0.5	LBNH	Libson	39.76	77	eP	P	03 11 41.4	+0.5	HRV	Adam Dzewiosk	40.98	79	eP	P
53A	Saluda	38.43	96	P	P	03 11 29.3	-0.5	LBNH	Libson	39.76	77	eP	P	03 11 41.4	+0.5	HRV	Adam Dzewiosk	40.98	79	eP	P
FRNY	Flat Rock	38.44	78	eP	P	03 11 29.3	-0.5	LBNH	comp=Z,1um,1.4s			MLR	MLR			HRV	Adam Dzewiosk	40.98	79	eP	P
FRNY	comp=Z,963nm,1.1s							LBNH	comp=Z,922um,21.0s			MLR	MLR			HRV	Adam Dzewiosk	40.98	79	eP	P
FRNY	Flat Rock	38.44	78	eP	P	03 11 29.3	-0.5	LBNH	Libson	39.76	77	P	P	03 11 41.0	+0.2	HRV	Adam Dzewiosk	40.98	79	eP	P
FRNY	comp=Z,963nm,1.1s							LBNH	Libson	39.76	77	P	P	03 11 41.0	+0.2	HRV	Adam Dzewiosk	40.98	79	eP	P
X52A	Dahlonega	38.49	98	P	P																

Table with columns for call sign, frequency, power, and other technical details. Includes entries like MDJ, BCIP, MPR, TBLU, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes entries like CN2, MOTO, SMRT, PTAC, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes entries like MEF, MGG, TLY, TLY, etc.

28d 3h

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1308

Table with columns for station name, frequency, time, signal strength, and other parameters. Includes stations like SWN1 Swindon, COP Copenhagen, SONM1 Songino Array, etc.

Table with columns for station name, frequency, time, signal strength, and other parameters. Includes stations like ROSF, PABE Paberze, BJT Bajiatuau, etc.

Table with columns for station name, frequency, time, signal strength, and other parameters. Includes stations like HHC, MICGM Minsk, MNC Minsk, etc.

28d 3h

Table with columns for station name, frequency, power, and other technical details. Includes stations like LIS Lisbon, ABTA Abfaltersbach, VORD Divnogorie, etc.

2012 OCT

Table with columns for station name, frequency, power, and other technical details. Includes stations like ESCD comp=Z,0.9nm,0.6s,ba=324,slow=5.3,SNR=63, etc.

1310

Table with columns for station name, frequency, power, and other technical details. Includes stations like YOJ Yonaguni jima, KIS Kishinev, etc.

1311

Table with columns for flight codes (ISR, SECR, ZHN, etc.), destinations (Istrita, Zhinshke, etc.), times, and status. Includes sub-sections like AMRR, HARR, TPUB, etc.

2012 OCT

Table with columns for flight codes (AAK, DRME, ANN, etc.), destinations (Ala-Archa, Dracevica, etc.), times, and status. Includes sub-sections like BRLS, EANR, MASS, etc.

28d 3h

Table with columns for flight codes (NEY, CEST, NEST, etc.), destinations (Neytrino, Ain Smara, etc.), times, and status. Includes sub-sections like KAVV, SART, etc.

28d 3h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like FYTO, KEST, KESR, MANU, ILGA, GEMT, etc.

2012 OCT

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like ATHU, CHOS, CHOS, AFSR, etc.

1312

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like SVAN, KORT, KORT, KERG, etc.

28d 3h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like MBAR, NWAQ, NWAO, etc.

IDC 28 03:04:24.9-0.6, 10.41N:126.72E, h0km, mb4.5/17, mb 1.4, 6/18, mb1mx4.4/60, mbtmp4.5/18, ML4, 9/1, Error ellipse: s-maj=32.4km s-min=11.1km az=73.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like BESE, BESP, PLP, etc.

2015 OCT

Table with columns: PBKT, Sadao Pong, IPM, Ipoth, KULM, Kulim, etc. Includes various station codes and coordinates.

ISCBJ 28 03:08:47.8-0.2, 10.28N:102.52E:0.03, h29km, mb5.1/39, Error ellipse: s-maj=4.5km s-min=2.9km az=143.6

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

1314

Table with columns: KCSI, Kotacane, Aceh, PATY, Pattaya, SKLT, Songkhla, etc. Includes various station codes and coordinates.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Includes stations like KNB Kanab, BLG Laguna Peak, DECC Green Verdugo, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Includes stations like ILAR Eielson Array, PDAR Pinedale Array, TXAR Lajitas Array, etc.

IDC 28 03:44:46.4:2.5, 52:59N x 132:97W, h0km, mb4.1/6, mb1 4.4/6, mb1mx3.9/44, mbtmp4.1/6, Error ellipse: s-maj=81.8km s-min=33.7km az=54.0, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Includes stations like TXAR Lajitas Array, NB2 NORSAR Subarra, NOA NORSAR Array, etc.

IDC 28 03:48:33.9:3.6, 52:52N x 131:50W, h0km, mb4.5/1, mb1 4.4/5, mb1mx3.9/48, mbtmp4.3/5, ML4.0/4, Error ellipse: s-maj=75.1km s-min=17.1km az=77.0, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Includes stations like DLBC Dease Lake, YKA Yellowknife Ar, NVAR Mina Array, etc.

IDC 28 03:49:02.8:1.2, 52:65N x 132:12W, h0km, mb4.2/10, mb1 4.3/11, mb1mx4.1/45, mbtmp4.2/11, ML3.5/1, Error ellipse: s-maj=31.0km s-min=22.2km az=12.0

ISCJB 28 03:49:03.4:1.0, 52:8N.0:2:131.9W.0:2, h10km, mb4.1/10, Error ellipse: s-maj=24.8km s-min=18.3km az=14.9

ISC 28 03:49:04.9:1.1, 52:28N.0:2:131.9W.0:1, h10km, n13, of74/13, mb4.2/10, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Includes stations like YKA Yellowknife Ar, TXAR Lajitas Array, SEY Seymour Ar, etc.

IDC 28 03:50:18.3:1.5, 52:26N x 132:37W, h0km, mb4.2/6, mb1 4.6/9, mb1mx4.7, mbtmp4.4/8, ML4.2/3, Error ellipse: s-maj=35.1km s-min=19.4km az=73.0

ISCJB 28 03:50:20.0:1.4, 52:3N.0:1:132:3W.0:3, h18km, mb4.1/6, Error ellipse: s-maj=33.7km s-min=15.1km az=151.2

ISC 28 03:50:21.2:1.6, 52:32N.0:2:132:4W.0:3, h18km, n10, of81/9, mb4.3/6, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Includes stations like DLBC Dease Lake, YKA Yellowknife Ar, PDAR Pinedale Array, etc.

JMA 28 03:50:49.2:0.7, 37:28N x 141:92E, h37km, 3km, M3.5, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Includes stations like JFK Kawauchi, ONAJ Iwakimizuishiy, ONAJ Marumori, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Includes stations like BESP Borongan, BNP Catarman, CNP Maasin, etc.

PGC 28 03:52:15.6:11.0, 52:24N x 132:23W, h18km, 4km, mb4.9, ML5.1/16, Mw5.5, 116km Ssw of Sandspit, Bc Haida Gwaii Region

IDC 28 03:52:18.2:2.0, 52:34N x 132:22W, h0km, mb4.5/18, mb1 4.7/23, mb1mx4.5/53, mbtmp4.5/23, ML4.3/4, Error ellipse: s-maj=14.4km s-min=8.3km az=52.0

ISCJB 28 03:52:20.7:0.4, 52:58N.0:2:131.91W.0:04, h24km, 3km, mb4.8/108, Error ellipse: s-maj=4.9km s-min=2.1km az=145.5

NEIC 28 03:52:20.5:0.1, 52:58N x 131:96W, h10km, mb4.9/130, Mw5.5(OTT), Error ellipse: s-maj=4.3km s-min=1.7km az=52.0

NEIC 28 03:52:21.2:1.2, 52:50N x 131:93W, h27km, mb5.1/34, Error ellipse: s-maj=11.1km s-min=1.8km az=111.3

BUI 28 03:52:21.5:52.40N, 131:80W, h20km, mb4.9/17, ISC 28 03:52:20.6:0.8, 52:45N.0:2:131.91W.0:04, h13km, 4km, n573, of156/538, mb4.9/119, 9C-6D, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Includes stations like BNB Barry Inlet, MOBC Moresby Island, HOZNI VAN INLET T-PH, etc.

IDC 28 03:52:20.5:0.1, 52:58N x 131:96W, h10km, mb4.9/130, Mw5.5(OTT), Error ellipse: s-maj=4.3km s-min=1.7km az=52.0

NEIC 28 03:52:21.2:1.2, 52:50N x 131:93W, h27km, mb5.1/34, Error ellipse: s-maj=11.1km s-min=1.8km az=111.3

BUI 28 03:52:21.5:52.40N, 131:80W, h20km, mb4.9/17, ISC 28 03:52:20.6:0.8, 52:45N.0:2:131.91W.0:04, h13km, 4km, n573, of156/538, mb4.9/119, 9C-6D, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Includes stations like DLBC Dease Lake, YKA Yellowknife Ar, NVAR Mina Array, etc.

IDC 28 03:54:08.1:1.5, 52:38N x 132:46W, h0km, mb3.9/2, mb1 4.3/7, mb1mx3.8/49, mbtmp4.0/7, ML3.9/4, Error ellipse: s-maj=22.1km s-min=10.1km az=61.18km, mb3.8/2, ISCJB 28 03:44:09.6:1.6, 52:44N.0:1:132:5W.0:2, h18km, mb3.8/2, Error ellipse: s-maj=20.0km s-min=8.8km az=38.6

ISC 28 03:44:11.9:1.5, 52:52N.0:1:132:2W.0:1, h18km, n11, of170/9, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Includes stations like H02N1 VAN INLET T-PH, H02N1, BBB Bella Bella, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Includes stations like MAN 28 03:51:05.2, 11:45N x 125:38E, h39km, mb4.1, ML2.9, MS2.6, 1C, Samar

28d 3h

Table with columns: Call Sign, Name, Frequency, Class, Power, and other details. Includes stations like MOD Modoc Plateau, WWOR Wild Horse Val, etc.

2012 OCT

Table with columns: Call Sign, Name, Frequency, Class, Power, and other details. Includes stations like ISA Isabella, Lake, MPMC Manual Prospec, etc.

1318

Table with columns: Call Sign, Name, Frequency, Class, Power, and other details. Includes stations like MVCO Mesa Verde, ULM Lac du Bonnet, etc.

Table with columns: TX/LX/LTX, Station Name, Az, El, AzEl, P, R, S, Res, Time, Res. Includes stations like Lajitas Ar. Si, Mansfield, Green Forest, etc.

Table with columns: BLA, MOQ, Z52A, SEY, SEY, PET, PET, PE1, PE1, PETK, PETK, MA2, MA2, SUMG, SUMG, TIXI, TIXI, DAG, DAG, YAK, YAK, YAK, YAK, YSS, YSS, GBTY, GBTY, NRK, NRK, KLR, KLR, JTS, JTS, H112, H112, H113, H113, H111, H111, ARCES, ARCES, BOD, BOD, BOD, BOD, USRK, USRK, BCIP, BCIP, BCIP, BCIP, MSF, MSF, OUL, OUL, OUL, OUL, HIA, HIA, HIA, HIA, NC204, NC204, NC303, NC303, NB2, NB2, NB2, NB2, NB20, NB20, NOA, NOA, NAO01, NAO01, CN2, CN2, ESK, ESK, ESK, ESK, SDV, SDV, TLY, TLY, PRGR, PRGR, ROSC, ROSC, KS01, KS01, PUL, PUL, PUL, PUL, OTAV, OTAV, OTAV, OTAV, KNGR, KNGR, NVS, NVS, NVS, NVS, NVS, NVS, NVS, NVS, NVS, NVS, NVS, ZAA1, ZAA1, ZAA1, ZAA1, ZALV, ZALV, ZALV, ZALV, SVE, SVE, CLZ, CLZ, HHC, HHC, OBN, OBN, OBN, OBN, OBN, OBN, CLL, CLL, CLL, CLL, DGZ, DGZ, BRG, BRG, BRG, BRG, BRG, BRG, BRG, BRG, BRG, BRG, BRV, BRV, BRV, BRV, GRFO, GRFO, KURK, KURK, KURK, KURK, KHC, KHC, GERES, GERES, GERES, GERES, DAVA, DAVA, DAVA, DAVA, MOTA, MOTA, NJ2, NJ2, WATA, WATA, SQT, SQT.

Table with columns: FETA, WTTA, MOA, AKASO, KIEV, AK11, CONA, VYHS, VYHS, ARSA, MK31, MK32, MKAR, MK01, MK02, MAKZ, MAKZ, MYKA, SOKA, OTUK, ESDC, GTA, GTA, GTA, ABKAR, WMQ, Lanzhou, NNA, NNA, NNA, PTA, ENH, ENH, CD2, KIV, KIV, KIBZ, SAML, SAML, SAML, NEY, NEY, KSH, KSH, KSH, KSH, GY, GY, BR101, BR101, GNI, GNI, GNI, LPAZ, LPAZ, LPAZ, CMAR, CMAR, KMB0, KMB0, CASY, CASY, SNA, SNA, SNA, SNA, BOS, BOS, Code, Station Name, Az, AzEl, Phase ID, Time, Res.

ICD 28 04:03:53.3: 1.1, 52:66N:132:73W, h0km, mb4.0/6, mb1 4.2/8, mb1mx3.8/67, mbtmp4.0/8, ML3.7/2, Error ellipse: s-maj=33.6km s-min=10.8km az=98.0, ISCJB 28 04:05:49.1: 1.2, 52:77N:132:44W-0.4, h18km, mb3.9/6, Error ellipse: s-maj=32.8km s-min=15.6km az=160.7, ISC 28 04:03:57.0: 1.5, 52:82N:122:132:3W:0.2, h18km n13, r135/10, mb4.0/6, Queen Charlotte Islands region, Code, Station Name, Az, AzEl, Phase ID, Time, Res.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, H m s, ISC. Includes stations like CHQJ Chosi, JHYU Hitachinakayam, JIHU Itakohorinouch, etc.

ISC/JB 28 04:08:46.71, 2.52, 92N, 132.77W, h0km, mb3.9/4, mb1 4.1/4, mb1mx3.5/65, mbtmp3.9/4, Queen ellipse: s-maj=31.0km s-min=9.5km az=113.0, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, H m s, ISC. Includes stations like H02N1 VAN INLET T-PH, H02N1 YKA, TXAR Lajitas Array, etc.

ISC/JB 28 04:11:52.4+0.8, 35.62N, 0.04:31.84E, 0.03, h5km, 5km, Error ellipse: s-maj=29.8km s-min=4.3km az=139.2

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, H m s, ISC. Includes stations like ALFC Alefka, ALFC Paphos, ALAN Alanya-ANTALYA, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, H m s, ISC. Includes stations like KIZK Konya-Merem, KMER KMER, GOLFH Golhisar, etc.

ISC/JB 28 04:12:05.4, 1.52, 62N, 0.1:133.0W, 0.3, h10km, mb3.8/7, Error ellipse: s-maj=25.7km s-min=12.2km az=159.9

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, H m s, ISC. Includes stations like H02N1 VAN INLET T-PH, H02N1 YKA, NVAR Mina Array Bea, etc.

ISC/JB 28 04:13:32.0, 6.2, 33S, 0.03:79.87W, 0.06, h78km, 5km, mb4.3/16, Error ellipse: s-maj=9.3km s-min=5.3km az=0.2

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, H m s, ISC. Includes stations like MILO Milagro-Astudi, MILO MILO, COHC Cochancay, etc.

ISC 28 04:13:32.2, 0.9, 2.32S, 0.95:79.91W, 0.08, h63km, 7km, mb4.4, 184/94, mb4.5/16, NE coast of Ecuador

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, H m s, ISC. Includes stations like M02N1 VAN INLET T-PH, M02N1 YKA, TXAR Lajitas Array, etc.

ISC/JB 28 04:14:20.12, 9.0, 2.38, 09N, 144.49E, h35km, M3.5, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, H m s, ISC. Includes stations like OFUJ Ofunato, JIO Ori, MIYJ Miyakonagasawa, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, H m s, ISC. Includes stations like MDP Montagnes des, PLCA Paso Flores, ANMO Alauqueru, etc.

ISC 28 04:14:27.3, 2.2, 52, 32N, 131.52W, h0km, mb3.8/1, mb1 4.1/5, mb1mx3.6/67, mbtmp3.8/5, ML3.9/2, Error ellipse: s-maj=31.7km s-min=18.3km az=39.0, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, H m s, ISC. Includes stations like H02N1 VAN INLET T-PH, H02N1 YKA, NVAR Mina Array Bea, etc.

ISC 28 04:16:05.3, 1.5, 52, 62N, 132.76W, h0km, mb3.6/2, mb1 3.9/5, mb1mx3.6/64, mbtmp3.5/5, ML3.6/3, Error ellipse: s-maj=35.0km s-min=12.2km az=95.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, H m s, ISC. Includes stations like H02N1 VAN INLET T-PH, H02N1 YKA, NVAR Mina Array Bea, etc.

NEIC 28 04:18:28.0, 5.0, 19, 13S, 177.79W, h470km, 11km, mb4.2/14, Error ellipse: s-maj=12.5km s-min=8.3km az=127.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, H m s, ISC. Includes stations like M02N1 VAN INLET T-PH, M02N1 YKA, NVAR Mina Array Bea, etc.

ISC 28 04:18:33.6, 2.5, 18, 92S, 178.08W, h517km, 28km, mb3.8/10, mb1 4.0/10, mb1mx3.6/40, mbtmp4.7/10, Error ellipse: s-maj=20.1km s-min=12.1km az=139.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, H m s, ISC. Includes stations like AF1 Afiamalu, AF1 FUNA, URZ Urewera, etc.

ISC 28 04:19:08.9, 0.0, 6.18, 04S, 109.17W, 0.10, h532km, n56, 1829/59, mb4.3/22, Fiji Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, H m s, ISC. Includes stations like AF1 Afiamalu, AF1 FUNA, URZ Urewera, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BVAR Borovoye Array, BRVK Borovoye, ARAO ARCESS Array S, etc.

IDC 28 04:21:27.8z.2.3.52.48N:133.06W, h0km, mb3.7/4, mb1.3/9.6, mb1mx3.5/67, mbtmp3.6/6, ML3.9/2, Error ellipse: s-maj=81.2km s-min=24.4km az=53.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BNB Barry Inlet, BNB Van Inlet, MBOC Moresby Island, etc.

ISCJB 28 04:21:48.8z.1.7.67.75N:102.03z.33.4E:0.1, h0km, Error ellipse: s-maj=7.2km s-min=4.1km az=170.0

UPP 28 04:21:48.7z.3.0.67.60N:33.79E, h0km, ML1.5 KOLA 28 04:21:48.6z.67.68N:33.81E, h0km, ML2.2

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

ISCJB 28 04:21:48.8z.1.7.67.74N:104.33z.61E:0.09, h0km, n40, n117/58, Baltic States-Belarus-Northwestern Russia

Large table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ARAO ARCESS Array S, ARAO ARCESS Array S, ARAO ARCESS Array S, etc.

IDC 28 04:25:11.4z.0.8.52.48N:132.66W, h0km, mb4.1/16, mb1.4/2.18, mb1mx4.0/64, mbtmp4.1/18, ML3.0/2, Error ellipse: s-maj=17.9km s-min=16.3km az=55.0

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like H02S1 DAWSON INLET T, YKA Yellowknife Ar, EYKA Eagle Plains, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MODS Modra-Piesok, VYHS Yahnke, MKAR Makanchi Array, etc.

IDC 28 04:25:26.7z.0.5.52.59N:132.56W, h0km, mb4.8/40, mb1.4/9.43, mb1mx4.8/65, mbtmp4.8/43, ML3.7/3, Error ellipse: s-maj=14.3km s-min=9.9km az=28.0

ISCJB 28 04:25:27.9z.0.1.52.63N:102.132z.51W:0.03, h18km, mb5.2/30.5, Error ellipse: s-maj=3.3km s-min=1.3km az=138.9

MOS 28 04:25:27.3z.0.8.52.60N:132.55W, h17km, mb5.5/90, Error ellipse: s-maj=10.1km s-min=4.6km az=120.7

NEIC 28 04:25:28.5z.0.1.52.62N:132.49W, h10km, mb5.2/293, Error ellipse: s-maj=2.8km s-min=1.0km az=48.0

ISC 28 04:25:29.2z.0.3.52.59N:102.05z.31W:0.05, h18km, n112, n1902/1093, mb5.2/323, 4C-6D, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BBB Bella Bella, CRAG Craig, WRAK Wrangell Islan, etc.

28d 4h

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like YBH, YHO, GHO, SCRK, RIDG, MO2C, EGAK, MO4C, DHY, J08A, KHMM, SUA, MSO, N02D, MOD, YKA, YKA, YKB, KMRM, WVOR, WDC, WDC, RND, SKT, HDA, MCK, MCK, MCK, MCK, MCK, HLB, ILB, KCPM, TRIF, WRH, CCB, BWN, HRY, PPLA, MDM, DLMT, BPAW, HLID, HLID, ORV, ORV, ORV, HOPS, MCMT, SWV2, EGMT, BEKR, BOZ, BOZ, BOZ, FYU, CHGN, MLY, PAHR, INK, INK, INK, AFDM, QLMT, MCCM, VCNR, RUBR, BMN, BMN, YHB, PNTR, YHH, YMR, GCMT, YERR, YPP, SDPT, LKWW, LKWW, H17A, H17A, IMW, WAKR, FLWY, KVN, KVN, KVN, CMB, CMB, FXWY, MOOW, RLMT, RLMT, TPAW, RYN, RYN, COLD, LOHW, IM3, SNOW, REDW, HVU.

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Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like HVU, NV01, NVAR, NVAR, AHID, MDPB, BGU, SPUT, OMMB, HWUT, LAO, LAO, TOLK, TOLK, FFC, FFC, BW06, BW06, PD31, PD31, PDAR, DUG, DUG, DUG, DUG, PMPB, TCUT, DGMT, DGMT, R11A, R11A, TIN, TIN, JLU, JLU, NLU, PAGB, MPU, CWC, PSUT, VES, TPNV, TPNV, DAC, DAC, SMCM, FURC, ISA, ISA, ISA, MPMC, TCRU, TMUT, PKM, P17A, MSU, MSU, K22A, K22A, P18A, LRMC, CCUT, SHPR, SZOC, SHZC, RWVY, MTPU, SRU, SRU, OSI, EDW2, GSC, GSC, GSC, ANM, RSSD, RSSD, RSSD, RSSD, RSSD, LCMT, PKCU, O20A, O20A, SCZ2.

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Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like TUQ, KNB, KNB, KNB, DECC, MWC, MWC, PASC, HEC, BFSC, RDQG, LDFC, BBRO, MDND, MDND, PV09, GMRC, SN3C, N23A, PV21, U15A, PV23, PV10, PV14, PV22, PV20, CIS, PV16, PV17, PV11, PV18, PV12, PV03, PV05, PV13, PV02, W13A, MURC, BELC, PV01, SC12, SMCO, PFO, PFO, PFO, PFO, XPFO, TPFO, IRM, FRD, FCC, FCC, ISCO, ISCO, PDMCI, BC3, BC3, CPE, WUAZ, WUAZ, MVCO, ULM, ULM, ULM, ULM, Y12C, Y12C, MONP, BAR, SWSC, GAMB, IKP, S22A, S22A, Q24A, Q24A, Y14A, GLA, GLA, GLA, SUSD.

AGMN	Agassiz Nation	23.56	86	eP	P	04 30 37.2	-1.1
AGMN	Agassiz Nation	23.56	86	eP	P	04 30 37.8	-0.5
X16A	Lo Mia Camp, P	25.99	132	eP	P	04 30 39.2	+0.2
OGNE	Ogallala	23.72	107	eP	P	04 30 41.0	+0.9
OGNE	Ogallala	23.72	107	eP	P	04 30 41.5	+1.4
W18A	Petrified Fore	23.81	128	eP	P	04 30 42.2	+1.1
W18A	Petrified Fore	23.81	128	eP	P	04 30 42.2	+1.1
SDCO	Great Sand Dun	23.96	118	eP	P	04 30 42.9	+0.3
SDCO	Great Sand Dun	23.96	118	eP	P	04 30 43.8	+1.2
113A	Mohawk Valley	24.00	138	eP	P	04 30 42.2	-0.5
X18A	Snowflake	24.19	129	eP	P	04 30 45.1	+0.5
KSCO	Kaye Shedlock	24.66	111	eP	P	04 30 49.8	+1.0
KSCO	Kaye Shedlock	24.66	111	eP	P	04 30 49.8	+1.0
T25A	Trinidad	24.99	117	eP	P	04 30 53.8	+1.9
T25A	Trinidad	24.99	117	eP	P	04 30 53.9	+2.0
214A	Organ Pipe Nat	25.10	138	eP	P	04 30 54.4	+1.7
ECSD	EROS Data Cent	25.30	96	eP	P	04 30 54.5	0.0
ECSD	EROS Data Cent	25.30	96	eP	P	04 30 55.2	+0.7
ANMO	Albuquerque	25.57	123	eP	P	04 30 57.9	+0.7
ANMO	Albuquerque	25.57	123	eP	P	04 30 57.3	+0.1
ANMO	Albuquerque	25.57	123	eP	P	04 30 58.4	+1.2
ANMO	Albuquerque	25.57	123	eP	P	04 30 58.1	+0.9
LAZ	Ladron	25.66	125	eP	P	04 30 58.1	+0.1
TUC	Tucson	25.66	134	eP	P	04 30 58.0	+0.1
TUC	Tucson	25.66	134	eP	P	04 30 58.0	+0.1
TUC	Tucson	25.66	134	eP	P	04 30 59.1	+1.2
BGNE	Belgrade	25.72	102	eP	P	04 30 58.4	0.0
BGNE	Belgrade	25.72	102	eP	P	04 30 58.8	+0.4
LENM	Lemitar	25.93	125	eP	P	04 31 00.5	+0.1
LPM	Los Pinos Moun	25.98	124	eP	P	04 31 01.8	+0.9
Y22D	IRIS PASSCAL I	26.03	125	eP	P	04 31 02.9	+1.6
BNM	Barren Site	26.11	125	eP	P	04 31 03.3	+1.2
EYMN	Ely	26.36	84	eP	P	04 31 04.9	+0.9
EYMN	Ely	26.36	84	eP	P	04 31 06.2	+2.2
CBKS	Cedar Bluff	26.45	108	eP	P	04 31 06.0	+1.1
CBKS	Cedar Bluff	26.45	108	eP	P	04 31 06.0	+1.1
CBKS	Cedar Bluff	26.45	108	eP	P	04 31 05.8	+0.8
F37A	Hinrichs Farm,	26.70	89	eP	P	04 31 08.2	+1.1
ADK	Adak	26.75	286	eP	P	04 31 07.8	+0.4
ADK	Adak	26.75	286	eP	P	04 31 07.8	+0.4
RES	Resolute Bay	26.84	21	eP	P	04 31 09.5	+1.5
RES	Resolute Bay	26.84	21	eP	P	04 31 09.5	+1.5
SPMN	Marine on St.	26.84	90	eP	P	04 31 09.1	+0.7
SPMN	Marine on St.	26.84	90	eP	P	04 31 09.1	+0.7
121A	Cookes Peak, D	26.86	129	eP	P	04 31 10.1	+1.3
E38A	The Farm, Brul	26.93	86	eP	P	04 31 11.9	+2.7
E38A	The Farm, Brul	26.93	86	eP	P	04 31 11.5	+2.3
F38A	Pierce - Schro	27.04	88	eP	P	04 31 13.0	+2.8
319A	Douglas	27.13	132	eP	P	04 31 11.9	+0.7
H38A	Malden Rock	27.45	91	eP	P	04 31 13.6	-0.1
G38A	Ridgeland	27.45	89	eP	P	04 31 14.2	+0.3
E39A	Mellen	27.65	86	eP	P	04 31 17.3	+1.7
G39A	Holcombe	27.81	89	eP	P	04 31 17.2	+0.1
H39A	Augusta	28.05	90	eP	P	04 31 18.6	-0.6
KSU1	Kansas State U	28.09	104	eP	P	04 31 20.8	+1.1
KSU1	Kansas State U	28.09	104	eP	P	04 31 20.3	+0.7
EPT	El Paso	28.09	128	eP	P	04 31 21.0	+1.2
F40A	Park Falls	28.13	87	eP	P	04 31 21.3	+1.4
AMTX	Amarillo	28.14	117	eP	P	04 31 20.9	+0.7
AMTX	Amarillo	28.14	117	eP	P	04 31 20.7	+0.5
MSTX	Muleshoe	28.25	119	eP	P	04 31 21.4	+0.2
MSTX	Muleshoe	28.25	119	eP	P	04 31 20.9	-0.3
I39A	Houston	28.34	91	eP	P	04 31 22.4	+0.6
I39A	Houston	28.34	91	eP	P	04 31 23.0	+0.7
SCIA	State Center	28.40	96	eP	P	04 31 23.1	+0.8
SCIA	State Center	28.40	96	eP	P	04 31 23.6	+0.8
HSIG	Decorah	28.51	92	eP	P	04 31 23.8	+0.5
D41A	Chassel	28.53	83	eP	P	04 31 23.9	+0.4
U32A	Winter Ranch,	28.55	111	eP	P	04 31 24.6	+0.9
H40A	Chili	28.62	89	eP	P	04 31 24.5	+0.2
COWI	Conover	28.64	86	eP	P	04 31 25.9	+1.4
MNTX	Cornudas Mount	28.70	126	eP	P	04 31 25.1	-0.1
MNTX	Cornudas Mount	28.70	126	eP	P	04 31 24.9	-0.2
K39A	Delwein	28.75	94	eP	P	04 31 24.9	-0.6
L39A	Vinton	29.01	95	eP	P	04 31 28.1	+0.3
K40A	Colesburg	29.21	93	eP	P	04 31 29.7	+0.2
M39A	Webster	29.28	96	eP	P	04 31 30.6	+0.4
N39A	Derby Farms, D	29.44	97	eP	P	04 31 32.2	+0.6
N39A	Derby Farms, D	29.44	97	eP	P	04 31 30.8	-0.7
JFWS	Jewell Farm	29.63	92	eP	P	04 31 33.5	+0.2
JFWS	Jewell Farm	29.63	92	eP	P	04 31 33.2	-0.3
JFWS	Jewell Farm	29.63	92	eP	P	04 31 34.5	+0.4
M40A	Post Highland	29.73	96	eP	P	04 31 34.1	-0.7
E43A	Lone Tree Farm	29.81	84	eP	P	04 31 34.9	-0.5
WMOK	Wichita Mounta	29.86	113	eP	P	04 31 34.9	-0.5

WMOK	Wichita Mounta	29.86	113	eP	P	04 31 34.9	-0.5
WMOK	Wichita Mounta	29.86	113	eP	P	04 31 36.5	+1.2
I42A	Draeger Farm,	29.91	89	eP	P	04 31 36.0	+0.3
I42A	Draeger Farm,	29.91	89	eP	P	04 31 35.5	-0.3
N40A	Mertquake, Sal	29.99	96	eP	P	04 31 36.3	-0.2
J42A	Columbus	30.09	90	eP	P	04 31 37.7	+0.4
H43A	Windswept, Lux	30.30	87	eP	P	04 31 40.4	+1.3
H43A	Windswept, Lux	30.30	87	eP	P	04 31 41.1	+1.9
M41A	Milan	30.33	95	eP	P	04 31 39.6	+0.2
L42A	Oliver, Polo	30.50	93	eP	P	04 31 41.1	+0.1
L42A	Oliver, Polo	30.50	93	eP	P	04 31 41.4	+0.4
N41A	Harden Midland	30.54	96	eP	P	04 31 42.2	+0.9
N41A	Harden Midland	30.54	96	eP	P	04 31 41.0	-0.3
TUL1	Leonard	30.72	108	eP	P	04 31 43.9	+0.9
TUL1	Leonard	30.72	108	eP	P	04 31 43.7	+0.7
M42A	Sheffield	30.76	94	eP	P	04 31 43.3	0.0
T38A	Diamond	30.83	105	eP	P	04 31 43.9	0.0
O41A	Pasleys Farm,	30.88	97	eP	P	04 31 44.7	+0.4
ABTX	Abilene, Hawle	30.96	117	eP	P	04 31 45.5	+0.3
ABTX	Abilene, Hawle	30.96	117	eP	P	04 31 45.1	0.0
N42A	Yates City	30.97	95	eP	P	04 31 45.2	+0.1
P41A	Barry, Barry	31.05	98	eP	P	04 31 45.9	+0.1
O42A	Bath	31.32	96	eP	P	04 31 48.3	+0.2
T39A	Cleaver	31.38	104	eP	P	04 31 48.9	+0.2
Q41A	Truxton	31.40	99	eP	P	04 31 49.3	+0.4
TX31	Lajitas Ar. Si	31.48	126	eP	P	04 31 49.5	-0.4
LTX	Lajitas	31.48	126	eP	P	04 31 50.4	+0.6
LTX	Lajitas	31.48	126	eP	P	04 31 50.4	+0.6
TXAR	Lajitas Array	31.48	126	eP	P	04 31 50.4	+0.6
TXAR	Lajitas Array	31.48	126	eP	P	04 31 50.4	+0.6
P42A	Winchester	31.54	97	eP	P	04 31 49.8	-0.3
P42A	Winchester	31.54	97	eP	P	04 31 49.9	-0.4
HHAR	Hobbs	31.55	106	eP	P	04 31 51.2	+0.7
HDIL	Hopedale	31.58	95	eP	P	04 31 50.7	+0.3
HDIL	Hopedale	31.58	95	eP	P	04 31 51.5	-0.4
R41A	Roselau	31.73	100	eP	P	04 31 51.8	0.0
O43A	Sugar Creek Fa	31.73	95	eP	P	04 31 50.9	-1.1
U39A	Green Forest	31.75	105	eP	P	04 31 50.9	-2.0
T40A	Mansfield	31.82	103	eP	P	04 31 53.1	+0.3
Q42A	Golden Eagle	31.84	98	eP	P	04 31 53.4	-0.5
CCM	Cathedral Cave	31.97	100	eP	P	04 31 53.4	-0.5
CCM	Cathedral Cave	31.97	100	eP	P	04 31 53.3	-0.6
A41A	Jilco Farms,	31.97	102	eP	P	04 31 53.2	-0.8
S43A	Skaggs, Pannee	32.00	96	eP	P	04 31 54.5	+0.3
V39A	Pettigrew	32.02	106	eP	P	04 31 54.3	-0.2
R42A	Luebering	32.09	100	eP	P	04 31 54.9	-0.1
U40A	Yellville	32.14	104	eP	P	04 31 55.2	-0.2
N44A	Piper City	32.14	94	eP	P	04 31 56.9	+1.4
SLM	Saint Louis	32.20	99	eP	P	04 31 56.5	+0.6
SLM	Saint Louis	32.20	99	eP	P	04 31 56.5	+0.6
T41A	Mountain View	32.32	102	eP	P	04 31 56.5	-0.5
O44A	Mansfield	32.33	95	eP	P	04 31 57.3	+0.2
Q43A	New Douglas	32.33	98	eP	P	04 31 57.5	+0.4
BILL	Bilbino	32.37	322	eP	P	04 31 57.6	+0.6
W39A	Magazine	32.39	107	eP	P	04 31 58.6	+1.0
W39A	Magazine	32.39	107	eP	P	04 31 58.0	+0.4
S42A	Caledonia	32.42	100	eP	P	04 31 56.5	-1.4
FVM	French Village	32.50	100	eP	P	04 31 58.7	+0.1
FVM	French Village	32.50	100	eP	P	04 31 58.7	+0.1
V40A	Witts Springs	32.53	105	eP	P	04 31 57.7	-1.2
JCT	Junction City	32.54	120	eP	P	04 31 59.1	+0.1
JCT	Junction City	32.54	120	eP	P	04 31 58.7	-0.3
HPIG	Hartford	32.55	131	eP	P	04 32 00.4	+1.1
R43A	Red Bud	32.61	99	eP	P	04 32 00.0	+0.2
WHTX	Lake Whitney,	32.64	115	eP	P	04 31 59.8	0.0
WHTX	Lake Whitney,	32.64	115	eP	P	04 31 59.9	0.0
P44A	Sand Creek, Wi	32.65	96	eP	P	04 32 01.1	+0.8
X39A	Fountain Ranch	32.68	108	eP	P	04 32 00.9	+0.4
O45A	Potomac	32.72	94	eP	P	04 31 59.2	-1.4
T42A	Van Buren	32.73	102	eP	P	04 32 01.4	+0.5
Q44A	Meyer Farm, Va	32.77	97	eP	P	04 32 02.1	+0.8
W40A	Ferguson Farm,	32.81	106	eP	P	04 32 01.3	-1.2
V41A	Mountainview	32.94	104	eP	P	04 32 03.0	+0.3
MIAR	Mount Ida	32.97	108	eP	P	04 32 03.0	+0.3
MIAR	Mount Ida	32.97	108	eP	P	04 32 03.0	+0.3
MIAR	Mount Ida	32.97	108	eP	P	04 32 03.0	+0.3
S43A	Fulton Ridge	32.98	100	eP	P	04 32 02.8	0.0
SFIN	Lafayette	33.02	93	eP	P	04 32 03.7	+0.5
SFIN	Lafayette	33.02	93	eP	P	04 32 04.7	+0.9
LPJG	La Paz	33.08	141	eP	P	04 32 04.7	+0.9
LPJG	La Paz	33.08	141	eP	P	04 32 04.7	+0.9

U42A	Revensburg	33.10	103	eP	P	04 32 03.1	-0.7
R44A	Waltonville	33.15	98	eP	P	04 32 03.6	-0.6
P45A	Graceland, Par	33.15	95	eP	P	04 32 04.6	+0.4
P45A	Graceland, Par						

28d 4h

OXF	baz=301 Oxford	35.44 103 eP	P	04 32 23.8 -0.3
OXF	comp=Z,92nm,0.9s Oxford	35.44 103 eP	P	04 32 23.8 -0.3
OXF	comp=Z,93nm,0.9s Oxford	35.44 103 P	Pmax	04 32 23.0 -1.2
R49A	baz=314,SNR=5.1 Shelbyville	35.49 95 P	P	04 32 24.9 +0.4
P50A	baz=315 Jamestown	35.50 92 P	P	04 32 24.0 -0.6
T48A	baz=311,SNR=5.9 Bowling Green	35.51 97 P	P	04 32 24.4 -0.3
X45A	baz=314,SNR=5.6 UM Field Stati	35.51 103 P	P	04 32 24.3 -0.4
143A	comp=Z,105nm,1.2s SoCs Landing,	35.55 108 eP	P	04 32 26.1 +1.0
143A	baz=317 SoCs Landing,	35.55 108 P	P	04 32 26.2 +1.1
D54A	baz=300,SNR=5.1 Lac Fusel, La	35.63 76 P	P	04 32 26.5 +0.9
W46A	baz=313 Michie	35.63 102 P	P	04 32 26.0 +0.2
V47A	baz=312 Nunnelly	35.67 100 P	P	04 32 26.2 +0.1
E54A	baz=305 Lac Daplat, Po	35.68 77 P	P	04 32 26.8 +0.7
S49A	baz=310 Springfield	35.74 95 P	P	04 32 26.5 -0.1
Y45A	baz=315 Yeager Farm, C	35.81 104 P	P	04 32 27.4 0.0
PKRO	baz=303 Pickering	35.85 82 P	P	04 32 28.5 +0.9
Q50A	baz=309 Georgetown	35.87 93 P	P	04 32 27.4 -0.4
X46A	baz=314 Booneville	35.90 102 P	P	04 32 28.2 +1.1
PLAL	comp=Z,49nm,1.0s Pickwick Lake	35.91 101 eP	P	04 32 27.1 -1.1
342A	comp=Z,124nm,1.3s Flagon Creek P	35.99 110 eP	P	04 32 29.8 +1.0
342A	baz=318 Flagon Creek P	35.99 110 P	P	04 32 30.6 +1.7
R50A	baz=310 Paris	36.01 94 P	P	04 32 28.4 -0.6
W47A	baz=313 Westpoint	36.02 101 P	P	04 32 28.9 +0.2
T49A	baz=311 Edmonton	36.03 96 P	P	04 32 29.3 +0.2
PEMO	baz=302 Pembroke	36.03 78 P	P	04 32 30.2 +1.1
Z45A	comp=Z,27nm,1.1s Winona	36.08 105 eP	P	04 32 29.7 +0.1
DRWO	baz=304 Darlington Wes	36.11 82 P	P	04 32 30.5 +0.7
Q51A	comp=Z,54nm,1.4s Peebles	36.14 92 eP	P	04 32 29.2 -0.9
Q51A	baz=309 Peebles	36.14 92 P	P	04 32 29.2 -0.9
V48A	baz=312 Smith Brothers	36.15 99 P	P	04 32 30.1 -0.1
Y46A	baz=310 Houston	36.21 104 P	P	04 32 29.9 -0.8
U49A	baz=312 Red Boiling Sp	36.27 97 P	P	04 32 31.1 -0.2
S50A	baz=310 Richmond	36.35 95 P	P	04 32 32.2 +0.3
O52A	comp=Z,25nm,1.3s Adamsville	36.39 89 eP	P	04 32 31.7 -0.5
VBMS	comp=Z,88nm,1.1s Vicksburg	36.42 107 eP	P	04 32 33.0 +0.5
VBMS	baz=317 Vicksburg	36.42 107 P	P	04 32 33.7 +1.2
DELO	baz=303 Deloro Mine	36.43 80 P	P	04 32 33.7 +1.2
244A	baz=317,SNR=5.1 Avery, Jackson	36.45 108 P	P	04 32 34.1 +1.3
R51A	baz=309 Hillsboro	36.45 93 P	P	04 32 32.6 -0.1
PLVO	baz=302 Pulaski	36.47 79 P	P	04 32 33.9 +1.0
W48A	baz=313 Pulaski	36.49 100 P	P	04 32 33.1 0.0
T50A	baz=311 Nancy	36.51 96 P	P	04 32 33.4 +0.2
V49A	baz=312 McMinnville	36.69 98 P	P	04 32 34.4 -0.4
Y47A	baz=314 UCPARC, Winfie	36.79 103 P	P	04 32 35.7 0.0
344A	comp=Z,74nm,1.4s Westbrook Farm	36.85 108 eP	P	04 32 36.6 +0.4
344A	baz=308 Westbrook Farm	36.85 108 P	P	04 32 36.9 +0.7
M54A	baz=318 Oil Creek Stat	36.88 86 P	P	04 32 34.8 -1.7
X48A	baz=314 Hartselle	36.89 101 P	P	04 32 35.6 -0.9
U49A	baz=312,SNR=7.2 Jamestown	36.90 97 P	P	04 32 36.8 +0.2
W50A	baz=313 Belvidere	36.91 100 P	P	04 32 36.7 +0.1
245A	baz=317 Little AP, Sta	36.91 107 P	P	04 32 37.4 +0.6
T51A	baz=311 Gray	37.08 95 P	P	04 32 37.8 -0.4
ORIO	baz=302,SNR=5.3 Orleans, Innes	37.19 78 P	P	04 32 40.1 +1.2
Y48A	baz=314 Jasper	37.19 102 P	P	04 32 39.2 +0.1
LNIG	comp=Z,60nm,1.4s Linare	37.24 125 eP	P	04 32 39.6 0.0
V50A	comp=Z,39nm,1.1s Pikeville	37.24 98 P	P	04 32 39.7 +0.2
X49A	baz=314 Woodville	37.28 100 P	P	04 32 40.0 +0.1
TRQ	comp=Z,18nm,1.0s,slow=7.5,SNR=6.3 Mount Tremblant	37.35 76 eP	P	04 32 40.6 +0.2
345A	baz=317 Thompson Farm,	37.36 108 P	P	04 32 41.8 +1.2
U51A	baz=312 La Follette	37.42 96 P	P	04 32 40.4 -0.7
W50A	comp=Z,18nm,1.0s Signal Mountai	37.43 99 eP	P	04 32 40.7 -0.4
W50A	baz=313 Signal Mountai	37.43 99 P	P	04 32 40.7 -0.4
ALFO	baz=302,SNR=7.2 Alfred	37.47 77 P	P	04 32 41.3 0.0
ZAIQ	comp=Z,71nm,1.4s Zacatecas	37.55 131 eP	P	04 32 43.9 +1.3
T52A	baz=311 Hallie	37.58 94 P	P	04 32 42.6 +0.2
TZTN	comp=Z,77nm,1.5s Tazewell	37.60 95 eP	P	04 32 43.2 +0.6
V51A	comp=Z,31nm,1.0s Loudon	37.60 97 eP	P	04 32 43.2 +0.7
V51A	baz=312 Loudon	37.60 97 P	P	04 32 42.6 0.0
346A	comp=Z,133nm,1.4s Big Creek Wild	37.63 107 eP	P	04 32 43.3 +0.5
346A	baz=317 Big Creek Wild	37.63 107 P	P	04 32 43.0 +0.2
247A	baz=316 Quitman	37.65 105 P	P	04 32 44.1 +1.1
SCHO	comp=Z,18nm,1.0s,slow=7.5,SNR=6.3 Schefferville	37.66 60 eP	P	04 32 43.8 +0.9
SCHO	comp=Z,48nm,1.3s Schefferville	37.66 60 eP	P	04 32 43.2 +0.3
Y49A	comp=Z,25nm,1.1s Blount Mountai	37.68 101 eP	P	04 32 43.8 +0.5
Y49A	baz=314 Blount Mountai	37.68 101 P	P	04 32 43.3 0.0
X50B	comp=Z,38nm,1.0s Fort Payne	37.73 100 P	P	04 32 42.9 -0.8
CPCT	comp=Z,42nm,1.1s Cooper Cave	37.73 98 eP	P	04 32 43.6 -0.1
W51A	baz=313 Cleveland	37.79 98 P	P	04 32 43.9 -0.2
U52A	baz=311 Thorn Hill	37.81 95 P	P	04 32 44.6 +0.2
LRAL	comp=Z,53nm,1.4s Lakeview Retre	37.91 103 eP	P	04 32 44.5 +0.3
LRAL	baz=315 Lakeview Retre	37.91 103 P	P	04 32 44.6 -0.5
V52A	comp=Z,60nm,0.9s Sevierville	38.03 96 eP	P	04 32 45.4 -0.8
V52A	baz=312,SNR=6.0 Sevierville	38.03 96 P	P	04 32 46.3 +0.1
TKL	comp=Z,71nm,1.3s Tuckaleechee C	38.05 97 eP	P	04 32 46.3 -0.1

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TKL	comp=Z,71nm,1.3s Tuckaleechee C	38.05 97 eP	P	04 32 46.3 -0.1
TKL	baz=315 Tuckaleechee C	38.05 97 eP	Pmax	04 32 46.3 -0.1
Z49A	comp=Z,71nm,1.3s Colubiana	38.08 102 P	P	04 32 46.4 -0.1
X51A	comp=Z,92nm,1.1s Calhoun	38.13 99 eP	P	04 32 47.7 +0.7
X51A	comp=Z,92nm,1.1s Calhoun	38.13 99 eP	P	04 32 47.4 +0.3
248A	comp=Z,38nm,1.0s Dixon Mills	38.14 105 P	P	04 32 47.8 +0.7
347A	baz=316 Saraland	38.16 106 P	P	04 32 48.3 +1.0
LN0Y	comp=Z,32nm,0.9s Lake Ozonia	38.19 78 eP	P	04 32 47.8 +0.3
LN0Y	comp=Z,32nm,0.9s Lake Ozonia	38.19 78 P	P	04 32 48.4 +0.9
W52A	comp=Z,85nm,0.9s Murphy	38.33 97 eP	P	04 32 48.6 -0.2
W52A	comp=Z,85nm,0.9s Murphy	38.33 97 P	P	04 32 48.2 -0.6
149A	baz=313,SNR=6.6 Jones	38.34 103 P	P	04 32 49.0 +0.2
Z50A	comp=Z,21nm,0.9s Ashland	38.40 101 eP	P	04 32 49.5 +0.2
Z50A	baz=315 Ashland	38.40 101 P	P	04 32 48.8 -0.5
348A	comp=Z,138nm,1.3s Jackson	38.53 105 eP	P	04 32 51.4 +0.9
348A	baz=317 Jackson	38.53 105 P	P	04 32 51.5 +1.1
249A	baz=316 Camden	38.59 104 P	P	04 32 51.0 +0.1
V53A	comp=Z,57nm,1.1s Saluda	38.62 96 eP	P	04 32 52.0 +0.8
V53A	baz=312 Saluda	38.62 96 P	P	04 32 51.6 +0.4
FRNY	comp=Z,91nm,1.4s Flat Rock	38.66 77 eP	P	04 32 51.7 +0.3
X52A	comp=Z,91nm,1.4s Datena	38.69 98 P	P	04 32 52.2 +0.4
BNY	comp=Z,18nm,0.9s Binghamton	38.71 82 eP	P	04 32 51.3 -0.6
BNY	comp=Z,18nm,0.9s Binghamton	38.71 82 P	P	04 32 51.9 -0.1
W53A	comp=Z,312,SNR=8.2 Cullowhee	38.75 97 P	P	04 32 53.1 +0.8
NCB	comp=Z,25nm,1.1s Newcomb	38.76 79 eP	P	04 32 52.7 +0.4
150A	comp=Z,315 Eclectic	38.79 102 P	P	04 32 52.6 0.0
349A	comp=Z,317 Repton	38.99 105 P	P	04 32 55.3 +1.0
BG3	comp=Z,65nm,1.1s Lake Jocassee	39.01 97 eP	P	04 32 55.2 +0.8
BLA	comp=Z,103nm,1.3s Blacksburg	39.07 92 eP	P	04 32 55.7 +0.7
BLA	comp=Z,103nm,1.3s Blacksburg	39.07 92 eP	Pmax	04 32 55.7 +0.7
BLA	comp=Z,103nm,1.3s Blacksburg	39.07 92 P	P	04 32 55.4 +0.4
SEY	comp=Z,20nm,0.9s,slow=7.3,SNR=23 Seymour	39.08 315 P	P	04 32 55.8 +1.1
SEY	comp=Z,20nm,0.9s,slow=7.3,SNR=23 Seymour	39.08 315 eP	P	04 32 55.8 +1.1
250A	comp=Z,115nm,1.4s Grady	39.09 103 eP	P	04 32 55.6 +0.6
250A	comp=Z,115nm,1.4s Grady	39.09 103 P	P	04 32 55.3 +0.2
X53A	comp=Z,28nm,1.1s Estanolee	39.11 98 P	P	04 32 55.4 +0.1
MOQ	comp=Z,28nm,1.1s Mont Orford	39.20 76 eP	P	04 32 56.5 +0.6
KSPA	comp=Z,28nm,1.1s Keystone Colle	39.22 83 eP	P	04 32 55.5 -0.6
151A	comp=Z,33nm,1.4s Opelika	39.26 102 P	P	04 32 56.7 +0.2
Z52A	comp=Z,33nm,1.4s Williamson	39.34 100 P	P	04 32 57.5 +0.3
Y53A	comp=Z,33nm,1.4s Monroe	39.38 99 P	P	04 32 58.4 +0.8
ILULI	comp=Z,55nm,1.2s Ilulissat	39.41 34 eP	P	04 32 59.1 +1.8
ILULI	comp=Z,55nm,1.2s Ilulissat	39.41 34 eP	Pmax	04 32 59.1 +1.8
VT1	comp=Z,61nm,1.1s Waterbury	39.44 77 eP	P	04 32 58.3 +0.4
152A	comp=Z,61nm,1.1s Waverly Hall	39.53 101 P	P	04 32 58.5 -0.3
N59A	comp=Z,42nm,1.1s State Game Lan	39.60 84 eP	P	04 32 58.7 -0.6
N59A	comp=Z,42nm,1.1s State Game Lan	39.60 84 P	P	04 32 59.1 -0.3
GOGA	comp=Z,21nm,0.9s Godfrey	39.76 99 eP	P	04 33 01.1 +0.4
GOGA	comp=Z,21nm,0.9s Godfrey	39.76 99 eP	Pmax	04 33 01.1 +0.4
GOGA	comp=Z,21nm,0.9s Godfrey	39.76 99 P	P	04 33 01.1 +0.4
Z53A	comp=Z,20nm,1.0s Monticello	39.79 99 P	P	04 33 00.3 -0.7
PAULI	comp=Z,20nm,1.0s Pauline	39.80 96 eP	P	04 33 00.3 -0.7
TRY	comp=Z,33nm,1.4s Troy	39.80 80 eP	P	04 33 01.2 +0.3
Y54A	comp=Z,33nm,1.4s Tignall	39.92 98 P	P	04 33 01.5 -0.5
HODGE	comp=Z,40nm,0.9s Hodges	39.93 97 eP	P	04 33 02.7 +0.6
LBNH	comp=Z,39nm,1.1s Lisbon	39.98 77 eP	P	04 33 02.9 +0.4
LBNH	comp=Z,39nm,1.1s Lisbon	39.98 77 eP	Pmax	04 33 02.9 +0.4
LBNH	comp=Z,39nm,1.1s Lisbon	39.98 77 P	P	04 33 03.7 +1.2
252A	comp=Z,39nm,1.1s Lumpkin	39.99 102 P	P	04 33 01.4 -1.2
LUPA	comp=Z,1.6nm,1.0s Lehigh Unvers	40.03 84 eP	P	04 33 03.6 +0.7
PET	comp=Z,1.6nm,1.0s Petropavlovsk	40.14 299 eP	P	04 33 04.7 +1.1
PET	comp=Z,1.6nm,1.0s Petropavlovsk	40.14 299 eP	Pmax	04 33 00.2 -3.4
PET	comp=Z,1.6nm,1.0s Petropavlovsk	40.14 299 P	Pmax	04 33 00.2 -3.4
R58B	comp=Z,75nm,1.3s Mineral	40.14 89 P	P	04 33 04.2 +0.5
ODNJ	comp=Z,85nm,1.5s Ogdensburg	40.21 83 eP	P	04 33 04.7 +0.3
352A	comp=Z,85nm,1.5s Blakely	40.24 102 P	P	04 33 04.1 -0.6
Z54A	comp=Z,85nm,1.5s Sparta	40.26 99 P	P	04 33 04.5 -0.3
253A	comp=Z,85nm,1.5s Americus	40.31 101 P	P	04 33 04.0 -1.2
JRQG	comp=Z,113nm,1.2s Juriquilla Cam	40.32 130 eP	P	04 33 06.4 +0.7
SFJD	comp=Z,37nm,1.1s Kangerlussuaq	40.32 37 eP	P	04 33 06.3 +1.3
SFJD	comp=Z,37nm,1.1s Kangerlussuaq	40.32 37 eP	Pmax	04 33 06.3 +1.3
PEA1	comp=Z,37nm,1.1s Pet			

28d 4h

NEIC 28 04:26:45.9.0.6.52.74N:132.40W,h11km,3km,mb5.1/214, Error ellipse: s-maj=4.1km s-min=1.6km az=45.0

ISC 28 04:26:46.3.0.6.52.71N:132.38W,h14km,3km, h15km:pp-P,aN484,c0598481,mb5.2/187,Queen

Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC, h m s, ISC. Lists various seismic stations and their recorded data.

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Table with columns: ISA, ISA, comp, Az, AzZ, Phase ID, Time Res, Res ISC, h m s, ISC. Lists seismic events with station codes and recorded data.

1326

Table with columns: EPT, AMTX, I39A, HSIG, U32A, MNXT, N41A, TULI, T38A, O41A, Q41A, P42A, TX31, TX31, Lajitas, LTX, TXAR, HHAR, HDIL, R41A, Q42A, X37A, CCM, CCM, CCM, P43A, R42A, U40A, Q43A, W39A, FVM, FVM, FVM, JCT, JCT, JCT, R43A, HPIG, WHTX, U41A, T42A, V41A, S43A, MIAR, MIAR, MIAR, WHAR, PBMO, W41B, SIUC, UALR, R45A, SLBS, SLBS, FRB, Y41A, BLO, BLO, BLO, R46A, Q47A, S46A, Z41A, N49A, LSQJ, CCRAR, 833A, VLQD, T46A, R47A, WCI, WCI, WCI, M50A, T47A, T47A, SADO, SADO, V46A, S48A, ALGO, E53A, OXF, OXF, OXF, 143A. Lists seismic events with station codes and recorded data.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like YHB Horse Butte, YHH Holmes Hill, YMR Madras River, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like PV09 Paradox Valley, LDFC Landfair, N23A Red Fox Mesa, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like MSTX Muleshoe, MNTX Cornudas Mount, WMOK Wichita Mounta, etc.

Table with columns: Station Name, Az, El, P, S, R, T, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z. Includes stations like 214A Organ Pipe Nat, ECSD EROS Data Cent, ANMO Albuquerque, etc.

Table with columns: Station Name, Az, El, P, S, R, T, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z. Includes stations like 214A Organ Pipe Nat, ECSD EROS Data Cent, ANMO Albuquerque, etc.

Table with columns: Station Name, Az, El, P, S, R, T, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z. Includes stations like NEW Newport, I03D Draught CR, J01E Myrtle Point, etc.

PGC 28 05:02:47.0, 4.3, 52.233N, 132.03W, h24km, mb4.5, ML4.9/18, 103km Ssw of Sandpit, Bc Haida Gwaii Region

ISCJB 28 05:02:47.0, 4.3, 52.233N, 132.03W, h24km, mb4.5, Error ellipse: s-maj=12.3km s-min=7.8km az=57.0

MOS 28 05:02:48.1, 1.1, 52.51N, 131.93W, h14km, mb4.8/26, Error ellipse: s-maj=12.1km s-min=4.5km az=109.7

NEIC 28 05:02:49.6, 0.2, 52.44N, 132.17W, h10km, mb4.5/105, Error ellipse: s-maj=8.1km s-min=2.6km az=49.0

ISC 28 05:02:49.0, 4.0, 8.5239N, 132.00W, 0.04, h14km, km4, n490, r189/47.5, mb4.6/104, 7C-172, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, El, P, S, R, T, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z. Includes stations like BNB Barry Inlet, MOCB Moresby Island, HO2N VAN INLET T-PH, etc.

Table with columns: Station Name, Az, El, P, S, R, T, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z. Includes stations like YKA comp=2.0, 2nm, 0.3s, bsz=226, slow=13, SNR=16, RND Mt. Diablo Mer, etc.

Table with columns: Station, Name, Frequency, Class, Power, and other details. Includes stations like SNOW, REDW, HVU, etc.

Table with columns: Station, Name, Frequency, Class, Power, and other details. Includes stations like MDND, U15A, PV23, etc.

Table with columns: Station, Name, Frequency, Class, Power, and other details. Includes stations like WMOK, T38A, Q41A, etc.

28d 5h

Table of astronomical observations for 28 days and 5 hours. Columns include station name, station ID, elevation, frequency, polarization, and signal strength. Includes stations like HELC, BARRC, PAMCO, etc.

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Table of astronomical observations for October 2012. Columns include station name, station ID, elevation, frequency, polarization, and signal strength. Includes stations like SAMLL, KSH, KSH, etc.

1334

Table of astronomical observations for 1334. Columns include station name, station ID, elevation, frequency, polarization, and signal strength. Includes stations like LCMT, PKCU, MWC, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like HUMO Hull Mountain, F10A Beach Ranch, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like GSC Goldstone, LCMT Little Creek, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like WMOK Wichita Mounta, TX31 Lajitas Ar. Si, etc.

28d 5h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PAHR Pah Rah Range, AFDM Forest Hills D, QLMT Earthquake Lak, etc.

ISC 28 05:21:28.6:1.0, 52.22N:132.31W, h0km, mb4.1/10, mb1.4/3/15, mb1mx4.0/59, mbmp4.1/15, ML3.9/4, Error ellipse: s-maj=22.5km s-min=13.4km az=50.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BNB Barry Inlet, MOCB Moresby Island, VIB Van Inlet, etc.

2012 OCT

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WOSB Woss, WRAK Wrangell Islan, GDR Gold River, etc.

1336

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SHOC Shoshone, Teco, GSC Goldstone, Bar, GSC Goldstone, Bar, etc.

ISC 28 05:22:03.0:0.9, 52.22N:132.01W, h0km, mb4.1/10, mb1.4/4/15, mb1mx4.0/60, mbmp4.2/15, ML3.8/4, Error ellipse: s-maj=20.3km s-min=13.5km az=38.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DIV, IOD, F07A, etc.

ICD 28 05:22:36.51.0.52:23N:132.04W, h0km, mb4.2/6, mb1 4.5/11, mb1mx4.0/60, mbmp4.2/11, ML4.0/4, Error ellipse: s-maj=20.2km s-min=13.0km az=30.0

ISCJB 28 05:22:38.0.0.52:32N:0.1:132.1W:0.1, h18km, mb4.1/6, Error ellipse: s-maj=15.8km s-min=8.9km az=27.9

ISC 28 05:22:39.6.0.9.52:32N:0.1:131.94W:0.09, h18km, n12, r=157/13, mb4.2/6, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BBB, DLBC, YKA, etc.

ICD 28 05:24:47.4.0.7.52:33N:132.89W, h0km, mb4.0/14, mb1 4.2/19, mb1mx4.0/61, mbmp4.0/19, ML3.6/4, Error ellipse: s-maj=15.4km s-min=10.2km az=77.0

ISCJB 28 05:24:49.9.0.3.52:62N:0.05:132.68W:0.10, h18km, mb4.2/31, Error ellipse: s-maj=9.9km s-min=3.8km az=145.0

NEIC 28 05:24:50.6.0.3.52:62N:132.68W, h10km, mb4.4/23, Error ellipse: s-maj=11.0km s-min=3.4km az=57.0

ISC 28 05:24:51.9.0.6.52:61N:0.09:132.54W:0.09, h18km, n84, r=157/13, mb4.3/31, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like H02N1, H02N1, BBB, etc.

ICD 28 05:29:02.0.1.6.52:59N:131.75W, h0km, mb4.0/15, mb1 4.2/5, mb1mx3.7/67, mbmp3.7/5, ML3.7/2, Error ellipse: s-maj=33.8km s-min=10.2km az=47.0

ISCJB 28 05:29:02.6.0.3.52:88N:0.05:131.43W:0.09, h10km, mb4.2/22, Error ellipse: s-maj=10.0km s-min=3.4km az=141.6

NEIC 28 05:29:04.7.0.2.52:87N:131.39W, h10km, mb4.2/40, Error ellipse: s-maj=8.8km s-min=2.7km az=53.0

ISC 28 05:29:04.6.0.7.52:89N:0.09:131.42W:0.08, h10km, n79, r=157/13, mb4.3/23, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like H02N1, H02N1, BBB, etc.

ICD 28 05:27:51.0.1.1.52:50N:131.81W, h0km, mb4.1/8, mb1 4.3/11, mb1mx3.9/60, mbmp4.1/11, ML4.1/2, Error ellipse: s-maj=13.4km s-min=4.4km az=140.1

ISCJB 28 05:27:53.0.0.4.52:78N:0.06:131.4W:0.1, h10km, mb4.2/18, Error ellipse: s-maj=13.4km s-min=4.4km az=140.1

NEIC 28 05:27:54.7.0.4.52:82N:131.32W, h10km, mb4.2/21, Error ellipse: s-maj=14.2km s-min=4.4km az=55.0

ISC 28 05:27:54.6.0.7.52:73N:0.10:131.3W:0.1, h10km, n54, r=180/52, mb4.3/18, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like H02N1, H02N1, BBB, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BBB, DLBC, YKA, etc.

ICD 28 05:29:02.0.1.6.52:59N:131.75W, h0km, mb4.0/15, mb1 4.2/5, mb1mx3.7/67, mbmp3.7/5, ML3.7/2, Error ellipse: s-maj=33.8km s-min=10.2km az=47.0

ISCJB 28 05:29:02.6.0.3.52:88N:0.05:131.43W:0.09, h10km, mb4.2/22, Error ellipse: s-maj=10.0km s-min=3.4km az=141.6

NEIC 28 05:29:04.7.0.2.52:87N:131.39W, h10km, mb4.2/40, Error ellipse: s-maj=8.8km s-min=2.7km az=53.0

ISC 28 05:29:04.6.0.7.52:89N:0.09:131.42W:0.08, h10km, n79, r=157/13, mb4.3/23, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like H02N1, H02N1, BBB, etc.

ICD 28 05:27:51.0.1.1.52:50N:131.81W, h0km, mb4.1/8, mb1 4.3/11, mb1mx3.9/60, mbmp4.1/11, ML4.1/2, Error ellipse: s-maj=13.4km s-min=4.4km az=140.1

ISCJB 28 05:27:53.0.0.4.52:78N:0.06:131.4W:0.1, h10km, mb4.2/18, Error ellipse: s-maj=13.4km s-min=4.4km az=140.1

NEIC 28 05:27:54.7.0.4.52:82N:131.32W, h10km, mb4.2/21, Error ellipse: s-maj=14.2km s-min=4.4km az=55.0

ISC 28 05:27:54.6.0.7.52:73N:0.10:131.3W:0.1, h10km, n54, r=180/52, mb4.3/18, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like H02N1, H02N1, BBB, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like NV01, NVAR, NV11, IM3, PDAR, TCUT, MSU, CCUT, SHPR, SZCU, LCMT, PKCU, MWC, PV09, U15A, PV05, PV01, WUAZ, X18A, ANMO, ANZO, LAMZ, LENX, LTX, TXAR, KURK, KURB, VRAC, MK32, MKAR, BR101, BRTR.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PKCU, PV21, U15A, PV23, PV14, PV22, PV16, PV13, PV02, W13A, PV01, WUAZ, MOKO, ULM, Y14A, SDCO, X18A, ANMO, TX31, TXAR, KURB, WMH, LZH, LZH, LPAZ.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ITAN, JORH, JORH, JORH, LKP, LKP, LKP, TAWA, TAWA, TAWA, MOKO, MOKO, MOKO, TEZP, TEZP, TEZP, KOHI, KOHI, KOHI, GUWA, GUWA, GUWA, SHL, SHL, SHL, DHUB, DHUB, DHUB, BRDH, BRDH, RAMM, RAMM, JIRN, JIRN, GUN, GUN, PKI, PKI, PKIN, PKIN, KKN, KKN, DMM, DMM, GKN, GKN, DANN, DANN, KOLN, KOLN, PYUN, PYUN, CMAR, CMAR, MKAR, AAK, SONM, KURB, ZALV, HFS, NB2, NOA, WRA, GERES, ASAR, EKA, TORD, TORD.

IDC 28 05:38:32.3z-1.5, 52.22N:132.10W, h0km, mb3.9/7, mb1 4.0/7, mb1mx3.8/72, mbtmp3.9/7, Error ellipse: s-maj=17.4km s-min=8.7km az=61.0, NEIC 28 05:38:38.0z-0.3, 51.94N:131.99W, h10km, mb4.1/37, Error ellipse: s-maj=11.6km s-min=3.1km az=50.0, ISC 28 05:38:37.7z-0.6, 52.22N:132.10W, h18km, n28, e=197/86, mb4.3/18, Queen Charlotte Islands region

IDC 28 05:41:23.8z-1.4, 10.37N:126.88E, h0km, mb3.9/7, mb1 4.0/7, mb1mx3.7/55, mbtmp3.9/7, Error ellipse: s-maj=145.8km s-min=18.1km az=68.0, Philippine Islands region

IDC 28 05:41:21.6z-1.2, 52.49N:132.80W, h0km, mb3.8/4, mb1 4.0/5, mb1mx3.6/63, mbtmp3.8/5, ML3.9/1, Error ellipse: s-maj=35.5km s-min=12.2km az=100.0, ISCJB 28 05:41:23.5z-0.5, 52.69N:132.55W, h18km, mb4.0/7, Error ellipse: s-maj=12.3km s-min=4.6km az=142.9, NEIC 28 05:41:24.1z-0.5, 52.62N:132.55W, h10km, mb4.0/6, Error ellipse: s-maj=12.8km s-min=4.5km az=47.0, ISC 28 05:41:25.3z-0.9, 52.85N:109.132E, h0.1, h18km, n28, e=093/30, mb3.9/7, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like H02N1, H02N1, BBB, BBB, BBB, CRAG, CRAG, WRAK, WRAK, DLBC, DLBC, DLBC, DLBC, D09A, D09A, K05A, K05A, MOD, MOD, SML, SML, YKA, YKA, SUA, SUA, HRY, HRY, MCK, MCK, ILLAR, ILLAR, ILB, ILB, WRH, WRH, CCB, CCB, COLA, COLA, PAHR, PAHR, AFDM, AFDM, QLMT, QLMT, CAST, CAST, BPAW, BPAW, SVW2, SVW2, PNTR, PNTR, YNH, YNH, YMR, YMR, GCMT, GCMT, YERR, YERR, MLY, MLY, INK, INK, IMW, IMW, KVN, KVN, FXWY, FXWY, TPWAT, TPWAT, LOHW, LOHW, NV01, NV01, NVAR, NVAR, NV11, NV11, JELB, JELB, IM3, IM3, PD31, PD31, PDAR, PDAR, R11A, R11A, PSUT, PSUT, FALS, FALS, TPNV, TPNV, ISA, ISA, CCUT, CCUT, SHPR, SHPR, SZCU, SZCU, SRU, SRU, LCMT, LCMT.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA, WRA, ASAR, ASAR, ASAR, MKAR, MKAR, ZALV, ZALV, KURB, KURB, ARCES, ARCES, BRTR, BRTR, H02N1, H02N1, H02N1, CRAG, CRAG, WRAK, WRAK, SIT, SIT, DLBC, DLBC, DLBC, DLBC, G06A, G06A, F10A, F10A, TRF, TRF, MLY, MLY, MOOW, MOOW, IM3, IM3, P18A, P18A, CCUT, CCUT, U15A, U15A, GAMB, GAMB, WMOK, WMOK, TX31, TX31, LTX, LTX, TXAR, TXAR, ZAA1, ZAA1, ZALV, ZALV, KURB, KURB, KURB, MK32, MK32, MKAR, MKAR.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like H02N1, H02N1, BRDH, BRDH, RAMM, RAMM, JIRN, JIRN, GUN, GUN, PKI, PKI, PKIN, PKIN, KKN, KKN, DMM, DMM, GKN, GKN, DANN, DANN, KOLN, KOLN, PYUN, PYUN, CMAR, CMAR, MKAR, MKAR, AAK, AAK, SONM, SONM, KURB, KURB, ZALV, ZALV, HFS, HFS, NB2, NB2, NOA, NOA, WRA, WRA, GERES, GERES, ASAR, ASAR, EKA, EKA, TORD, TORD.

IDC 28 05:44:12.2z-0.7, 28.83N:94.29E, h0km, mb3.9/12, mb1 4.1/14, mb1mx3.7/76, mbtmp4.0/14, ML4.2/2, Error ellipse: s-maj=32.3km s-min=14.1km az=62.0, NDI 28 05:44:17.0z-2.7, 28.74N:94.22E, h10km, ML4.2, ISC 28 05:44:16.3z-1.7, 28.85N:106.94E, h26km, 13km, n39, e=169/62, mb4.0/11, Eastern Xizang-India border region

IDC 28 05:44:12.2z-0.7, 28.83N:94.29E, h0km, mb3.9/12, mb1 4.1/14, mb1mx3.7/76, mbtmp4.0/14, ML4.2/2, Error ellipse: s-maj=32.3km s-min=14.1km az=62.0, NDI 28 05:44:17.0z-2.7, 28.74N:94.22E, h10km, ML4.2, ISC 28 05:44:16.3z-1.7, 28.85N:106.94E, h26km, 13km, n39, e=169/62, mb4.0/11, Eastern Xizang-India border region

PGC 28 05:47:02.6z-2.6, 52.22N:131.66W, h1km, ML4.4/17, MW5.2, 115km south of Sandspit, Bc Haida Gwaii region, IDC 28 05:47:04.5z-0.9, 52.37N:131.71W, h0km, mb4.0/7, mb1 4.2/13, mb1mx3.9/65, mbtmp4.0/13, ML3.8/5, Error ellipse: s-maj=16.3km s-min=6.9km az=49.0, ISCJB 28 05:47:06.0z-0.2, 52.48N:131.46W, h10km, mb4.0/6, Error ellipse: s-maj=5.1km s-min=1.7km az=140.4, NEIC 28 05:47:08.0z-0.2, 52.47N:131.45W, h10km, mb4.2/14, Error ellipse: s-maj=5.1km s-min=1.6km az=51.0, ISC 28 05:47:06.1z-0.5, 52.37N:131.41W, h10km, n318, e=2811/304, mb4.3/44, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BNB, BNB, BNB, BNB, MOBC, MOBC, DIB, DIB, H02S1, H02S1, VIB, VIB, VIB, H02N1, H02N1, MASB, MASB, NDB, NDB, NDB, NDB, BNB, BNB, BNB.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BNB, BNB, BNB, MOBC, MOBC, DIB, DIB, H02S1, H02S1, VIB, VIB, VIB, H02N1, H02N1, MASB, MASB, NDB, NDB, NDB, NDB, BNB, BNB, BNB.

28d 5h

Table with columns: Station Name, Frequency, Power, Band, and other technical details. Includes stations like BBB Bella Bella, RUBB Prince Rupert, HOLB Holberg, etc.

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Table with columns: Station Name, Frequency, Power, Band, and other technical details. Includes stations like YPP Pitchstone Pla, LKWB HTFA, H17A Grant Village, etc.

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Table with columns: Station Name, Frequency, Power, Band, and other technical details. Includes stations like MWC Mount Wilson, PASC Pasadena Art C, HEC Hecto Ludlow, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Azimuth, Elevation, and other technical details for stations like ZAA1, ZALV, HHC, etc.

IDC 28 05:48:36.71, 5.531N, 132:26W, h0km, mb3.8/5, mb1 4.0/5, mb1mx3.6/6.1, mbtmp3.8/5, Error ellipse: s-maj=32.2km s-min=10.6km az=157.0, ISCJB 28 05:48:36.71, 5.531N, 0:2:133:1W, 0:2, h15km, mb3.7/5, Error ellipse: s-maj=26.9km s-min=20.5km az=175.6, ISC 28 05:48:36.71, 5.531N, 0:2:133:0W, 0:2, h15km, n6, e#23/6, mb3.8/5, Queen Charlotte Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other technical details for stations like H02N1, TXAR, ZALV, etc.

IDC 28 05:51:11.6, 3.7, 6.58S, 147:90E, h0km, mb3.8/2, mb1 3.8/3, mb1mx4.4/9, mbtmp3.6/3, ML3.0/1, Error ellipse: s-maj=109.1km s-min=47.9km az=116.0, Eastern New Guinea region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other technical details for stations like WRA, ASAR, FITZ, etc.

IDC 28 05:51:14.0, 0.6, 52:67N, 132:95W, h0km, mb4.1/19, mb1 4.3/25, mb1mx4.1/70, mbtmp4.1/25, ML3.6/5, Error ellipse: s-maj=11.6km s-min=8.9km az=86.0, ISCJB 28 05:51:16.8, 0.2, 52:84N, 0:03:132:67W, 0.05, h22km, mb4.5/99, MSS.8/2, Error ellipse: s-maj=5.4km s-min=1.9km az=141.3, MOS 28 05:51:17.0, 0.8, 52:77N, 132:80W, h24km, mb4.7/32, Error ellipse: s-maj=12.7km s-min=4.9km az=108.5, NEIC 28 05:51:17.3, 0.2, 52:81N, 132:72W, h10km, mb4.5/96, Error ellipse: s-maj=8.1km s-min=2.1km az=50.0, ISC 28 05:51:18.0, 4.4, 52:77N, 0:07:132:75W, 0.06, h22km, n428, e#106/417, mb4.7/101, 4C-8D, Queen Charlotte Islands region

Large table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other technical details for numerous stations including H02N1, CRAG, BBB, etc.

Large table with columns: Call Sign, Station Name, Frequency, Power, Azimuth, Elevation, and other technical details for stations like HLID, MCMT, ORV, etc.

Large table with columns: Call Sign, Station Name, Frequency, Power, Azimuth, Elevation, and other technical details for stations like RSSD, Black Hills, GSC, etc.

28d 5h

BGNE	Belgrade	25.90	102	P	P	05 56 48.6 +0.3
BYM	Ely	26.48	84	eP	P	05 56 54.8 +1.3
EYMN	Ely	26.48	84	P	P	05 56 53.6 +0.1
121A	Cookes Peak, D	27.07	128	P	P	05 56 59.6 +0.4
F38A	Pierce + Schro	27.18	88	P	P	05 57 01.4 +1.6
MNTX	Cornudas Mount	28.92	126	eP	P	05 57 16.0 +0.5
MNTX	Cornudas Mount	28.92	126	P	P	05 57 15.7 +0.3
M39A	Webster	29.44	96	P	P	05 57 20.8 +0.8
M40A	Post Highland	29.88	96	P	P	05 57 24.6 +0.8
WMOK	Wichita Mounta	30.05	113	P	P	05 57 25.1 -0.4
WMOK	Wichita Mounta	30.05	113	P	P	05 57 25.5 0.0
N41A	Harden Midland	30.70	96	P	P	05 57 31.5 +0.4
T38A	Diamond	31.01	105	P	P	05 57 33.5 -0.4
O41A	Passleys Farm,	31.05	97	P	P	05 57 33.7 -0.5
N42A	Yates City	31.12	95	P	P	05 57 34.9 +0.1
T39A	Clever	31.55	104	P	P	05 57 38.3 -0.3
O41A	Truxton	31.56	99	P	P	05 57 38.5 -0.3
P42A	Winchester	31.70	97	P	P	05 57 39.4 -0.5
TX31	Lajitas Ar. Si	31.70	126	eP	P	05 57 40.6 +0.4
TXAR	Lajitas Array	31.70	126	P	P	05 57 40.1 -0.1
HDIL	Hopedale	31.74	95	eP	P	05 57 40.5 +0.2
HDIL	Hopedale	31.74	95	P	P	05 57 40.0 -0.2
O43A	Sugar Creek Fa	31.89	95	P	P	05 57 42.1 +0.5
R41A	Rosebud	31.90	100	P	P	05 57 41.0 -0.7
U39A	Green Forest	31.93	105	P	P	05 57 41.6 -0.4
T40A	Mansfield	31.98	103	P	P	05 57 41.5 -0.9
Q42A	Golden Eagle	32.01	99	P	P	05 57 43.3 +0.6
CCM	Cathedral Cave	32.14	100	P	P	05 57 42.8 -0.9
BILL	Bilibino	32.14	322	i	P	05 57 44.3 +0.8
BILL	BILL					05 57 49.0
BILL	comp=Z,11nm,1.3s					
S41A	Jilco Farms,	32.15	102	P	MLR	05 57 42.7 -1.2
P43A	Skaggs, Pawnee	32.16	97	P	P	05 57 43.9 -0.1
V39A	Pettigrew	32.21	106	P	P	05 57 44.2 -0.3
R42A	Luebbering	32.26	100	P	P	05 57 44.7 -0.2
U40A	Yellville	32.32	104	P	P	05 57 44.8 -0.6
Q43A	New Douglas	32.49	98	P	P	05 57 47.2 +0.3
S42A	Caledonia	32.59	100	P	P	05 57 46.6 -1.2
V41A	Mountainview	33.12	104	P	P	05 57 51.4 -1.1
S43A	Fulton Ridge,	33.15	100	P	P	05 57 51.8 -0.8
MIAR	Mount Ida	33.16	108	eP	P	05 57 53.0 +0.3
MIAR	Mount Ida	33.16	108	eP	P	05 57 53.0 +0.3
MIAR	Mount Ida	33.16	108	P	P	05 57 52.5 -0.3
P45A	Graceland, Par	33.31	95	eP	P	05 57 54.4 +0.4
P45A	Graceland, Par	33.31	95	P	P	05 57 53.8 -0.2
T43A	Greenville	33.35	101	P	P	05 57 53.6 -0.2
Q45A	Warren Harvey,	33.45	96	P	P	05 57 54.5 -0.8
R45A	Skylar, Fairir	33.76	97	P	P	05 57 57.5 -0.5
BLO	Bloomington	34.27	95	eP	P	05 57 59.5 -2.8
BLO	Bloomington	34.27	95	eP	P	05 57 59.5 -2.8
Q47A	Bedord North L	34.47	95	P	P	05 58 02.7 -1.5
S46A	Don Dixon Farm	34.49	98	P	P	05 58 04.0 -0.3
R47A	Wooly Knot Far	34.82	96	P	P	05 58 06.7 -0.5
WC1	Wyandotte Cave	35.00	96	P	P	05 58 08.2 -0.5
ELFO	Elginfield	35.04	85	P	P	05 58 08.4 -0.6
T47A	Sharon Grove	35.32	98	P	P	05 58 10.5 -0.9
ALGO	Algonquin Park	35.51	79	P	P	05 58 12.8 -0.2
S48A	Wiedeman Farm,	35.51	96	P	P	05 58 12.5 -0.6
E53A	Dumoine, Ponti	35.52	78	P	P	05 58 12.3 -0.8
OXF	Oxford	35.62	103	P	P	05 58 13.0 -1.0
T48A	Bowling Green	35.67	97	P	P	05 58 13.6 -0.9
CHGQ	Chibougamau	35.72	71	P	P	05 58 13.6 -1.2
PEMO	Pembroke	36.13	78	P	P	05 58 19.0 +0.6
U49A	Red Boiling Sp	36.43	97	P	P	05 58 20.0 -1.0
S50A	Richmond	36.50	95	P	P	05 58 21.0 -0.6
PLVO	Plevna	36.58	79	P	P	05 58 21.7 -0.4
R51A	Hillsboro	36.60	93	P	P	05 58 21.6 -0.8
244A	Avery, Jackson	36.63	108	P	P	05 58 23.6 +0.9
V49A	McMinnville	36.85	98	P	P	05 58 23.4 -1.3
U50A	Jamestown	37.06	97	P	P	05 58 25.8 -0.6
N54A	Moraine State	37.14	87	P	P	05 58 26.0 -1.0
T51A	Gray	37.24	95	P	P	05 58 27.5 -0.4
ORIO	Orleans, Innes	37.29	78	P	P	05 58 28.6 +0.4
TRQ	Mont Tremblant	37.44	76	eP	P	05 58 29.4 -0.2
V51A	Loudon	37.76	97	P	P	05 58 32.1 -0.2
Y49A	Blount Mountai	37.86	101	P	P	05 58 31.0 -2.2
V52A	Sievierville	38.19	96	P	P	05 58 35.3 -0.7
LONY	Lake Ozonia	38.29	78	eP	P	05 58 36.7 0.0
LONY	Lake Ozonia	38.29	78	P	P	05 58 36.4 -0.3
X51A	Calhoun	38.30	99	P	P	05 58 36.5 -0.3
W52A	Murphy	38.50	97	eP	P	05 58 38.1 -0.4
W52A	Murphy	38.50	97	P	P	05 58 37.9 -0.7
SEY	Seymchan	38.85	315	P	P	05 58 40.8 -0.3
SEY	Seymchan	38.85	315	eP	P	05 58 42.4 +1.3
W53A	Cullowhee	38.91	97	P	P	05 58 42.2 +0.1

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250A	Grady	39.27	103	P	P	05 58 44.3 -0.7
Z52A	Williamson	39.51	100	P	P	05 58 46.4 -0.6
Y53A	Monroe	39.55	99	P	P	05 58 46.7 -0.6
PET	Petrovavlovsk	39.93	299	eP	P	05 58 49.8 -0.4
PET	PET					
LBNH	Libson	40.08	77	P	P	05 58 52.9 +1.2
Y54A	Signal	40.08	98	P	P	05 58 51.1 -0.6
TIXI	Tiksi	43.51	333	P	P	05 59 18.6 -0.7
TIXI	Tiksi	43.51	333	eP	P	05 59 19.7 +0.4
DAG	Danmarks Havn	44.30	18	P	P	05 59 25.6 +0.1
DAG	DAG					
YAK	Yakutsk	48.50	321	iP	P	05 59 59.8 +1.1
H112N	WAKE ISLAND Hy	56.66	259	T	T	07 03 12.4
H113N	WAKE ISLAND Hy	56.66	259	T	T	07 03 11.7
H111N	WAKE ISLAND Hy	56.67	259	T	T	07 03 01.3
BOD	Bodaibo	57.14	324	eP	P	06 00 59.5 -3.1
BOD	BOD					
USRK	Ussuriysk Ar.	59.22	304	P	P	06 01 16.9 -0.4
MSHR	Mys Shulitsa	60.81	303	eP	P	06 01 28.1 -0.1
CN2	Changchun	62.76	307	eP	P	06 01 45.5 +4.2
NB2	NORSAR Subarra	62.96	19	P	P	06 01 42.5 +0.1
NOA	NORSAR Array B	62.96	19	P	P	06 01 42.7 +0.3
ESK	Eskdaleimyr	64.50	29	iP	P	06 01 51.7 -0.9
TLV	Talaya	65.66	325	eP	P	06 02 01.6 +1.3
SDV	Santo Domingo	66.25	107	P	P	06 02 04.0 -0.7
SDV	Santo Domingo	66.25	107	P	P	06 02 04.0 -0.7
ZAK	Zakamensk	66.88	325	eP	P	06 02 07.6 -0.6
ZAK	ZAK					
SONA1	Songino Array	67.84	321	eP	P	06 02 15.2 +0.7
SONM	Songino Array	67.86	321	P	P	06 02 14.7 +0.3
OTAV	Otavalo	68.48	120	eP	P	06 02 23.5 +0.9
OTAV	Otavalo	69.03	120	P	P	06 02 22.8 +0.2
OTAV	Otavalo					
ZALV	Zalesovo Beam	69.15	337	P	P	06 02 21.9 -0.4
ZALV	Zalesovo Beam	69.15	337	P	P	06 02 21.7 -0.6
ZALV	Zalesovo Beam	69.15	337	P	P	06 02 21.8 -0.4
ZALV	Zalesovo Beam	69.15	337	P	P	06 02 21.8 -0.4
ARU	Arti	70.77	353	eP	P	06 02 34.3 +2.1
ARU	ARU					
CLZ	Clausthal	71.25	23	P	P	06 02 35.9 +0.6
CLZ	CLZ					
BAIF	Baives	71.27	28	eP	P	06 02 35.6 +0.3
BAIF	BAIF					
MEM	Membach	71.27	26	iP	P	06 02 36.2 +0.9
GIVF	Givet	71.41	27	eP	P	06 02 36.3 +0.2
GIVF	GIVF					
HHC	Hu-ho-hao-te	71.48	314	eP	P	06 02 37.3 +0.4
HHC	HHC					
HHC	Hu-ho-hao-te	71.48	314	eP	P	06 02 37.3 +0.4
HHC	HHC					
OBN	Obninsk	72.12	6	iP	P	06 02 39.4 -0.9
OBN	OBN					
OBN	Obninsk	72.12	6	iP	P	06 02 51.9
OBN	OBN					
CLL	Collin	72.36	22	eP	P	06 02 43.0 +1.2
DGZ	Jazzator, Alta	72.39	334	iP	P	06 02 42.2 0.0
DGZ	DGZ					
BRVK	Borovoye	72.80	346	eP	P	06 02 43.6 -0.8
BRVK	BRVK					
BRVK	Borovoye	72.80	346	eP	P	06 02 43.6 -0.8
BRVK	BRVK					
BVAR	Borovoye Array	72.82	346	P	P	06 02 44.0 -0.5
BVAR	Borovoye Array	72.82	346	P	P	06 02 44.0 -0.5
BRG	Berggiesshobel	72.98	21	eP	P	06 02 42.4 -3.1
BRG	BRG					
BRG	Berggiesshobel	72.98	21	eP	P	06 02 46.2
BRG	BRG					
BRG	Berggiesshobel	72.98	21	eP	P	06 02 42.4 -3.1
BRG	BRG					
BRG	Berggiesshobel	72.98	21	eP	P	06 02 46.2
BRG	BRG					
KURK	Kurchatov	73.55	340	P	P	06 02 49.2 +0.3
KURK	Kurchatov	73.55	340	P	P	06 02 49.2 +0.3
KURK	Kurchatov	73.55	340	P	P	06 02 49.6 +0.1
KURK	Kurchatov	73.55	340	P	P	06 02 49.6 +0.1
KURB	Kurchatov Arra	73.65	340	P	P	06 02 49.2 -0.3
KURB	Kurchatov Arra	73.65	340	P	P	06 02 49.2 -0.3
LOR	Lormes	73.69	29	eP	P	06 02 49.9 +0.1
LOR	LOR					
SSF	Saint Saulege	73.77	29	eP	P	06 02 50.3 +0.1
SSF	SSF					
AVF	Avril sur Louz	73.97	30	eP	P	06 02 51.2 -0.2
AVF	AVF					
BFO	Black Forest	73.97	26	iP	P	06 02 53.1 +1.6
DP	Dobruska-Polom	73.98	20	eP	P	06 02 52.7 +1.2
DP	DP					
DP	Dobruska-Polom	73.98	20	eP	P	06 02 58.6 0.0
DP	DP					
DP	Dobruska-Polom	73.98	20	eP	P	06 02 52.7 +1.2
DP	DP					
HNF	Hinteralfeld	74.05	27	eP	P	06 02 51.9 0.0
HNF	HNF					
TCF	Toulx Ste Croi	74.07	31	eP	P	06 02 51.8 -0.3
TCF	TCF					
SMF	Signal de Mont	74.24	29	eP	P	06 02 51.8 -1.2
SMF	SMF					
KRLC	Krailky	74.34	20	eP	P	06 02 54.9 +1.3
KRLC	Krailky	74.34	20	eP	P	06 02 54.9 +1.3
KRLC	Kasperske Hory	74.53	22	eP	P	06 02 55.8 +1.1
KRLC	Kasperske Hory	74.53	22	eP	P	06 02 55.8 +1.1
KRLC	Kasperske Hory	74.53	22	eP	P	06 02 55.8 +1.1
KRLC	Kasperske Hory	74.53	22	eP	P	06 02 55.8 +1.1
MORC	Moravsky Berou	74.78	19	P	P	06 02 55.5 -0.6
MORC	MORC					
MORC	Moravsky Berou	74.78	19	P	P	06 02 56.8 +0.7
MORC	MORC					
MORC	Moravsky Berou	74.78	19	P	P	06 02 56.5 0.0
MORC	MORC					
GEAO	GERESS Array B	74.83	22	eP	P	06 02 56.9 +0.4
VRAC	Vranov	75.03	20	eP	P	06 02 58.6 +1.1
NJ2	Nanjing	75.13	304	eP	P	06 02 59.5 +1.1
NJ2	NJ2		</			

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like West Nyswonger, Morning Glory, East Wray Mesa, Skein Mesa, Paradox Valley, etc.

ISC 28 06:01:34.9-1.0, 52.62N, 0.1, 132.7W, 0.2, h18km, n34, e073/33, mb3.8/0.8, Queen Charlotte Islands region

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

ISC 28 06:01:06.1-1.4, 51.97N, 132.24W, h0km, mb3.5/3, mb1 3.8/7, mb1mx3.5/5.8, mbtmp3.5/7, ML3.4/4, Error ellipse: s-maj=32.5km s-min=18.9km az=71.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Dease Lake, Yellowknife Ar, etc.

ISC 28 06:01:32.1-2.3, 52.65N, 132.70W, h0km, mb3.9/7, mb1 4.1/8, mb1mx3.7/5.5, mbtmp3.6/8, Error ellipse: s-maj=75.4km s-min=37.7km az=45.0

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

ISC 28 06:03:57.6-1.2, 52.37N, 132.29W, h0km, mb3.8/6, mb1 4.0/8, mb1mx3.7/5.2, mbtmp3.6/8, ML3.6/2, Error ellipse: s-maj=29.9km s-min=15.1km az=79.0

ISC 28 06:04:00.1-0.6, 52.42N, 132.47W, h10km, mb4.4/3, Error ellipse: s-maj=14.7km s-min=5.6km az=50.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like H02N1, VAN INLET T-PH, etc.

ISC 28 06:04:36.6-1.9, 52.44N, 131.91W, h0km, mb3.6/2, mb1 3.9/3, mb1mx3.4/4.9, mbtmp3.6/3, ML2.6/1, Error ellipse: s-maj=39.5km s-min=29.9km az=82.0, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Yellowknife Ar, Lajitas Array, etc.

ISC 28 06:08:52.4-3.1, 52.03N, 132.81W, h0km, mb3.7/2, mb1 4.0/4, mb1mx3.5/4.9, mbtmp3.6/4, ML3.6/2, Error ellipse: s-maj=155.1km s-min=24.9km az=67.0, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Eielson Array, Pinedale Array, etc.

mb4.8/18, mb6.0/3, MLv5.3/1, Mw(mb)5.7/3, ISC 28 06:15:13.8-0.7, 10.44N, 0.02, 126.86E, 0.04, h38km, gkm, mb4.6/76, MS5.7/2, Error ellipse: s-maj=6.8km s-min=4.0km az=167.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Borongan, Butuan, Palo, Maasin, etc.

ISC 28 06:15:14.9-1.2, 10.46N, 0.04, 126.80E, 0.06, h31km, gkm, n175, e153/188, mb4.7/76, 6C-13D, Philippine Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Nakatsu, Manton Dam, Pangkal Pinang, etc.

ISC 28 06:15:11.3-1.0, 13N, 126.81E, h30km, mb4.9/36, MB5.5/8, MS5.2/3, MS7.5/2, MAN 28 06:15:11.8, 10.48N, 126.82E, h11km, mb5.1, ML4.1, MS4.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Eielson Array, Pinedale Array, etc.

Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like SCRK Sand Creek, RIDG Independe's Rid, ELGAM Elliotson, etc.

Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like BW06 Boulder Array, BW06 Boulder Array, PD31 Pinedale Array, etc.

Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like LDFC Landfair, MDND Maddock, MDND Maddock, etc.

28d 6h

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like Kaye Shedlock, Trinidad, Organ Pipe Nat, EROS Data Cent, etc.

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Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like Jewell Farm, Post Highland, Wichita Mounta, etc.

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Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like Cromwell, Basin Creek Fa, Rosedale, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Frequency, Power, SNR, and other technical details. Includes stations like T51A Gray, Z47A Carrollton, S52A Salyersville, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Frequency, Power, SNR, and other technical details. Includes stations like TGUH Teeguigalpa, YSS Yuzh-Sakhalins, NRIK Noril'sk, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Frequency, Power, SNR, and other technical details. Includes stations like DAVA Danuels, RETA Reutte, MOTA Motosa, etc.

MEX 28 06:23:24.3 ± 1.0, 15.91N, 97.31W, h5km ± 14km, MD3.7, Near coast of Oaxaca. Code Station Name Az El Phase ID Time Res. Includes station codes like PNIG, HUIG, VHO, etc.

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mb1 4.2/4, mb1mx3.6/39, mbtmp3.7/4, ML3.8/3, Error ellipse: s-maj=150.6km s-min=25.3km az=53.0

NEIC 28 06:28:08.4.0.3, 52.555N:131.75W, h10km, mb4.0/35, Error ellipse: s-maj=11.0km s-min=3.4km az=56.0

ISC 28 06:28:08.1.0.8, 52.555N:132.0W, 0.1, h10km, n71, az=150/73, mb4.2/16, Queen Charlotte Islands region

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

ISCJB 28 06:33:06.4.0.6, 52.12N:132.0W, 0.1, h10km, mb4.0/7, Error ellipse: s-maj=14.2km s-min=5.7km az=145.1

ISC 28 06:33:06.7.1.2, 52.13N:132.95W, h0km, mb3.9/6, mb1 3.8/11, mb1mx3.6/43, mbtmp3.6/11, ML3.6/3, Error ellipse: s-maj=31.3km s-min=16.4km az=52.0

NEIC 28 06:33:08.1.1.5, 52.09N:132.95W, h10km, mb4.0/9, Error ellipse: s-maj=11.3km s-min=3.5km az=50.0

ISC 28 06:33:09.4.0.8, 52.233N:132.9W, 0.1, h10km, n40, az=151/35, mb4.1/7, Queen Charlotte Islands region

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

Table with columns: REDW, Red Top Meadow, 17.12 113 ePn, P, 06 37 16.1 +5.4. Lists seismic events with station names and parameters.

ISC 28 06:35:37.0.1.3, 52.17N:132.40W, h0km, mb3.8/5, mb1 4.1/11, mb1mx3.8/45, mbtmp3.8/11, ML3.5/5, Error ellipse: s-maj=17.1km s-min=16.4km az=59.0

ISCJB 28 06:35:34.8.0.3, 52.37N:131.60W, 0.08, h10km, mb4.0/18, Error ellipse: s-maj=8.0km s-min=3.1km az=143.5

NEIC 28 06:35:37.1.0.3, 52.32N:131.58W, h10km, mb4.0/25, Error ellipse: s-maj=10.1km s-min=3.2km az=51.0

ISC 28 06:35:36.7.0.7, 52.33N:131.69W, 0.06, h10km, n93, az=144/89, mb4.0/18, Queen Charlotte Islands region

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

ISC 28 06:39:07.9.1.0, 55.30N:163.24E, h52km, 23km, ML3.7, East coast of Kamchatka Peninsula

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

Table with columns: KSCO, Kaye Shedlock, 24.09 112 eP, P, 06 40 51.6 -0.8. Lists seismic events with station names and parameters.

ISC 28 06:37:51.6.1.4, 52.55N:132.3W, 0.2, h10km, mb3.4/2, Error ellipse: s-maj=21.6km s-min=11.7km az=34.3

ISC 28 06:37:51.4.2.0, 52.35N:132.27W, h0km, mb3.4/2, mb1 3.9/6, mb1mx3.5/49, mbtmp3.6/6, ML3.5/3, Error ellipse: s-maj=29.0km s-min=16.4km az=41.0

PGC 28 06:37:54.7.0.2, 52.51N:131.93W, h13km, 2km, 82km south of Sandspit, Bc Haida Gwaii Region

ISC 28 06:37:53.2.1.7, 52.42N:132.2W, 0.1, h10km, n12, az=148/77, Queen Charlotte Islands region

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

ISC 28 06:39:07.9.1.0, 55.30N:163.24E, h52km, 23km, ML3.7, East coast of Kamchatka Peninsula

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

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Table with columns: PV20, West Nyswonger, 21.14 121 eP, P, 07 07 01.7 +0.4, etc. Lists various meteorological observations with station names, times, and values.

Table with columns: MJAR, Matsushiro Arr, 62.08 294 P, P, 07 12 34.8 -2.0, etc. Lists meteorological observations for the Charlotte Islands region.

Table with columns: MSU, Marysvalle, 19.49 127 eP, Pn, 07 13 55.9 -0.8, etc. Lists meteorological observations for the Queen Charlotte Islands region.

KBO	Boesley Butte	11.45 151	ePn	Pn	07 14 55.0	-2.8
F10A	Beach Ranch, E	11.46 119	ePn	Pn	07 14 59.6	+1.7
HUMO	Hull Mountain	11.50 146	ePn	Pn	07 14 59.0	+0.6
J05D	Fort Rock, OR	11.56 139	P	Pn	07 15 00.5	+1.1
DIV	Divide	11.57 324	ePn	Pn	07 15 01.2	+1.9
FID	Port Fidalgo	11.59 321	ePn	Pn	07 14 59.5	+0.1
L02E	Cave Junction	11.69 149	P	Pn	07 15 01.0	0.0
KLU	Klutina	11.67 325	ePn	Pn	07 15 00.7	-2.7
GLI	Glacier Island	11.91 321	ePn	Pn	07 15 00.7	-3.1
L04D	Klamath Falls	12.07 145	P	Pn	07 15 11.1	+4.8
JTMT	Jette	12.12 106	ePn	Pn	07 15 08.2	+1.3
K05A	Summer Lake	12.17 139	ePn	Pn	07 15 06.9	-0.8
BMO	Blue Mountains	12.17 123	ePn	Pn	07 15 12.5	+4.9
BMO	Blue Mountains	12.17 123	ePn	Pn	07 15 12.5	+4.9
YBH	Yreka Blue Hor	12.37 147	ePn	Pn	07 15 10.0	-0.3
YBH	Yreka Blue Hor	12.37 147	ePn	Pn	07 15 11.8	+1.5
YBH	Yreka Blue Hor	12.37 147	ePn	Pn	07 15 11.8	+1.5
M04C	Macdoel	12.62 144	P	Pn	07 15 14.4	+0.6
J06A	Circle Bar Ran	12.70 311	ePn	Pn	07 15 14.2	-0.7
MSO	Missoula	12.79 109	ePn	Pn	07 15 16.8	+0.8
MSO	Missoula	12.79 109	P	Pn	07 15 16.5	+0.5
PAX	Paxson	12.79 330	ePn	Pn	07 15 17.5	+1.6
PAX	Paxson	12.79 330	P	Pn	07 15 17.5	+1.6
KHMM	Horse Mountain	12.83 152	ePn	Pn	07 15 13.6	-3.0
BRLK	Bradley Lake	12.92 312	ePn	Pn	07 15 16.6	-1.0
SML	Sawmill	12.95 323	ePn	Pn	07 15 18.7	+0.6
SML	Sawmill	12.95 323	ePn	Pn	07 15 18.7	+0.6
N02D	Trinity Center	13.05 149	P	Pn	07 15 20.4	+0.8
KDAX	Kodiak Island	13.06 302	Pn	Pn	07 15 13.6	-5.9
RC01	Rabbit Creek A	13.08 318	ePn	Pn	07 15 14.6	-5.2
W00D	Modoc Plateau	13.10 140	ePn	Pn	07 15 24.3	+4.0
GHO	Glory Hole Cre	13.15 322	ePn	Pn	07 15 21.2	+0.4
SCRK	Sand Creek	13.18 336	ePn	Pn	07 15 24.1	+2.9
EGAK	Eagle	13.24 342	ePn	Pn	07 15 25.4	+3.4
WVOR	Wild Horse Val	13.36 134	ePn	P	07 15 29.7	-3.8
WVOR	Wild Horse Val	13.36 134	ePn	P	07 15 29.7	-3.8
KMRM	Mali Ridge	13.44 153	ePn	Pn	07 15 23.1	-1.5
DHY	Denali Highway	13.45 328	ePn	Pn	07 15 28.2	-3.0
YKA	Yellowknife Ar	13.52 36	Pn	Pn	07 15 22.0	-3.8
YKA	Yellowknife Ar	13.52 36	Pn	Pn	07 15 22.0	-3.8
YKA	Yellowknife Ar	13.52 36	Pn	Pn	07 15 22.0	-3.8
002D	Mt. Diablo Mer	13.75 150	P	Pn	07 15 30.5	+1.3
003E	Paynes Creek	13.96 147	P	Pn	07 15 34.3	+2.3
EPYK	Eagle Plains	14.14 352	P	Pn	07 15 37.5	+3.2
RND	Reindeer	14.18 327	ePn	Pn	07 15 35.8	+0.9
RND	Reindeer	14.18 327	ePn	Pn	07 15 35.8	+0.9
LRRM	Limekiln Ridge	14.21 110	ePn	Pn	07 15 37.9	+2.4
SKT	Skwentna	14.29 319	ePn	Pn	07 15 36.9	+0.5
HDA	Harding Lake	14.31 332	P	Pn	07 15 43.3	-0.6
DLMT	Dillon	14.39 112	ePn	Pn	07 15 43.7	-1.3
MCK	McKinley	14.43 328	ePn	Pn	07 15 41.7	+3.5
HLID	Hailey	14.56 121	ePn	Pn	07 15 43.0	+2.8
HLID	Hailey	14.56 121	P	Pn	07 15 40.6	+0.3
IL1	Eielson Array	14.57 333	ePn	Pn	07 15 44.4	-2.3
ILAR	Eielson Array	14.57 333	Pn	Pn	07 15 40.1	-0.1
MCMT	McKenzie Canyo	14.58 114	ePn	P	07 15 45.4	-1.8
EGMT	Eagleton	14.69 99	ePn	P	07 15 46.5	-1.7
EGMT	Eagleton	14.69 99	P	Pn	07 15 47.0	-1.2
WRH	Wood River Hill	14.69 331	ePn	Pn	07 15 45.1	+3.3
TRF	Thorofore Moun	14.69 326	ePn	S	07 15 40.5	-1.5
TRF	Thorofore Moun	14.69 326	ePn	S	07 18 39.6	-4.4
ORV	Oroville	14.72 148	ePn	P	07 15 47.0	-1.6
ORV	Oroville	14.72 148	ePn	P	07 18 45.2	+0.7
ORV	Oroville	14.72 148	ePn	P	07 15 47.0	-1.6
COB	Clear Creek Bu	14.74 332	ePn	P	07 15 46.0	-2.6
BOZ	Bozeman (W)	14.81 110	P	Pn	07 15 48.8	-0.9
BEKR	Beckworth	14.84 144	ePn	P	07 15 48.2	-1.8
BEKR	Beckworth	14.84 144	ePn	P	07 15 47.0	-0.2
TCOL	CIGO, UAF Yank	14.92 332	P	Pn	07 15 50.3	-0.3
PPLA	Purkeypile	15.05 322	ePn	P	07 15 50.1	-2.1
PAHR	Patn Rah Range	15.34 142	ePn	P	07 15 54.4	-1.2
PAHR	Patn Rah Range	15.34 142	ePn	P	07 15 54.4	-1.2
BPBW	Bear Paw Mtn.	15.35 327	ePn	P	07 15 51.0	+0.4
QLMT	Earthquake Lak	15.38 112	ePn	P	07 15 55.8	-0.2
QLMT	Earthquake Lak	15.38 112	ePn	P	07 18 59.2	+1.0
AFDM	Forest Hills D	15.45 147	ePn	Pn	07 15 54.4	+2.4
AFDM	Forest Hills D	15.45 147	ePn	Pn	07 18 56.9	-2.5
SVW2	Sparrevohn	15.59 313	ePn	Pn	07 15 51.7	-2.1
SVW2	Sparrevohn	15.59 313	ePn	Pn	07 18 47.1	+0.6
VCNR	Virginia City	15.60 143	ePn	Pn	07 15 57.8	-0.7
VCNR	Virginia City	15.60 143	ePn	Pn	07 19 00.5	-2.3
YHH	Holmes Hill	15.73 111	ePn	Pn	07 15 60.0	0.0
YHM	Madison River	15.74 112	ePn	Pn	07 19 00.6	-0.5
YHM	Madison River	15.74 112	ePn	Pn	07 16 00.2	+0.2
YMR	Madison River	15.74 112	ePn	Pn	07 19 01.2	-4.4
PNTR	Pine Nut	15.80 143	ePn	Pn	07 15 59.9	-0.9
PNTR	Pine Nut	15.80 143	ePn	Pn	07 19 03.2	-3.7
GCMT	Greycliff	15.84 106	ePn	Pn	07 15 57.9	+0.6
INK	Inuvik	15.88 357	P	Pn	07 15 56.8	-0.7
INK	Inuvik	15.88 357	P	Pn	07 16 04.3	+3.1
MLY	Manley	15.89 330	ePn	Pn	07 15 58.6	+0.9
MLY	Manley	15.89 330	ePn	Pn	07 18 51.2	-2.6
YERR	Yerington	16.02 143	ePn	Pn	07 16 02.2	-1.0
YERR	Yerington	16.02 143	ePn	Pn	07 19 05.2	-6.3
HIT7A	Grant Village	16.12 112	ePn	Pn	07 16 05.7	+1.3
IMW	Indian Meadow	16.23 114	ePn	P	07 16 05.8	+0.3
IMW	Indian Meadow	16.23 114	ePn	P	07 19 04.6	+2.0
FLWY	Flagg Ranch	16.25 113	ePn	Pn	07 16 08.1	+2.5
FXWY	Fox Creek	16.35 115	ePn	P	07 16 07.3	+0.5
FXWY	Fox Creek	16.35 115	ePn	P	07 19 09.1	+3.8
WAKR	Walker	16.38 144	ePn	Pn	07 16 06.6	-0.6
WAKR	Walker	16.38 144	ePn	Pn	07 19 09.1	+3.0
KVN	Kaiserville	16.40 140	ePn	Pn	07 16 04.1	-0.5
KVN	Kaiserville	16.40 140	ePn	Pn	07 19 05.2	-1.5
KVN	Kaiserville	16.40 140	ePn	Pn	07 16 04.1	-0.5
KVN	Kaiserville	16.40 140	ePn	Pn	07 19 05.2	-1.5
MOOW	Moose Ponds	16.43 114	ePn	P	07 16 08.8	+1.1
RLMT	Red Lodge	16.45 108	ePn	Pn	07 16 08.4	+0.5
RLMT	Red Lodge	16.45 108	ePn	Pn	07 19 05.3	-2.5
RLMT	Red Lodge	16.45 108	ePn	Pn	07 16 08.2	+0.3
CMB	Columbia Colle	16.47 147	ePn	Pn	07 16 06.2	+0.9
CMB	Columbia Colle	16.47 147	ePn	Pn	07 19 10.2	+2.1
CMB	Columbia Colle	16.47 147	ePn	Pn	07 16 06.2	+0.9
CMB	Columbia Colle	16.47 147	ePn	Pn	07 19 10.2	+2.1
TPAW	Teton Pass	16.48 115	ePn	P	07 16 09.7	+1.4
TPAW	Teton Pass	16.48 115	ePn	P	07 19 23.5	+2.6
LOHW	Long Hollow	16.60 114	ePn	P	07 16 10.8	+1.3

RYN	Ryan	16.61 141	ePn	P	07 16 11.6	+2.0
RYN	Ryan	16.61 141	ePn	P	07 19 10.0	-1.6
SNOW	Snow King Moun	16.61 115	ePn	Sn	07 16 10.8	+1.0
REDW	Red Top Meadow	16.62 115	ePn	P	07 16 11.2	+1.4
REDW	Red Top Meadow	16.62 115	ePn	P	07 19 12.9	+0.9
NV01	Mina Array Sit	16.86 141	ePn	Sn	07 16 11.3	+0.9
NVAR	Mina Array Sit	16.86 141	ePn	Sn	07 16 09.4	-1.1
NV11	Mina Array Sit	16.92 141	ePn	P	07 16 15.5	+2.4
BGU	Big Grassy Moun	17.18 125	ePn	P	07 16 19.0	+3.1
SPUT	South Promonto	17.19 123	ePn	P	07 16 20.5	+4.4
OMMB	Old Mammoth Mt	17.32 144	ePn	P	07 16 17.4	-0.4
HWUT	Hardware Ranch	17.43 121	ePn	P	07 16 23.1	+4.3
IM3	Indian Mountai	17.46 329	ePn	Pn	07 16 15.3	-2.3
FFC	Flin Flon	17.69 71	P	Pn	07 16 25.0	+3.7
BW06	Boulder Array	17.73 115	ePn	P	07 16 21.5	+0.3
BW06	Boulder Array	17.73 115	P	Sn	07 19 25.5	-1.3
BW06	Boulder Array	17.73 115	P	Sn	07 16 21.6	+0.3
PD31	Pinedale Array	17.73 115	ePn	P	07 16 21.8	-0.3
PD31	Pinedale Array	17.73 115	ePn	Sn	07 19 25.5	-1.3
PDAR	Pinedale Array	17.73 115	P	Pn	07 16 20.6	-0.7
PDAR	Pinedale Array	17.73 115	ePn	P	07 16 22.1	0.0
PDAR	Pinedale Array	17.73 115	ePn	P	07 16 22.1	0.0
DUG	Dugway, Tootee	17.84 126	ePn	Pn	07 16 22.0	-0.6
DUG	Dugway, Tootee	17.84 126	ePn	Pn	07 16 22.0	-0.6
DUG	Dugway, Tootee	17.84 126	ePn	Pn	07 16 21.9	-0.6
DUG	Dugway, Tootee	17.84 126	ePn	Pn	07 16 21.9	-0.6
DGMT	Dagmar	17.88 92	ePn	P	07 16 23.5	-0.1
DGMT	Dagmar	17.88 92	ePn	P	07 16 22.6	-0.3
R11A	Troy Canyon, C	18.04 135	ePn	P	07 16 26.4	+1.0
R11A	Troy Canyon, C	18.04 135	P	P	07 16 26.3	+0.8
TIN	Tinemaha, Big	18.10 143	P	Pn	07 16 25.5	-0.2
PSUT	Pine Spring	18.65 311	ePn	P	07 16 32.2	-0.1
CWC	Cottonwood Cre	18.70 144	P	P	07 16 32.1	-0.7
TPNV	Topopah Spring	18.95 139	ePn	P	07 16 34.6	-0.9
TPNV	Topopah Spring	18.95 139	ePn	P	07 16 34.6	-0.9
TPNV	Topopah Spring	18.95 139	ePn	P	07 16 35.1	-0.4
FURC	Furnace Creek	19.13 141	P	Pn	07 16 37.8	-0.3
MPMC	Manual Prospec	19.26 143	P	P	07 16 38.8	-0.1
ISA	Isabella, Lake	19.26 146	ePn	P	07 16 39.5	-0.3
ISA	Isabella, Lake	19.26 146	ePn	Pn	07 16 39.5	-0.3
ISA	Isabella, Lake	19.26 146	P	Pn	07 16 39.2	+0.4
ISA	Isabella, Lake	19.26 146	P	Pn	07 16 45.9	+5.1
TMUT	Trail Mountain	19.32 125	ePn	Pn	07 16 45.9	+5.1
P17A	Butcher Ranch,	19.43 124	ePn	Pn	07 16 46.0	+4.1
MSU	Marysvale	19.46 128	ePn	Pn	07 16 42.2	-0.1
MSU	Marysvale	19.46 128	ePn	Pn	07 16 40.6	-1.1
K22A	Casper	19.52 110	P	P	07 16 40.6	-1.1
P18A	Preston Nutter	19.56 123	ePn	Pn	07 16 48.2	+4.5
CCUT	Cedar City	19.68 132	ePn	P	07 16 43.0	-0.6
LRMC	Laure Mtn Ran	19.70 144	P	P	07 16 42.3	-1.4
SZCU	Shurtz Canyon	19.77 132	ePn	P	07 16 43.8	-0.7
SHPR	Sheep Range	19.78 137	ePn	P	07 16 43.6	-0.9
SRU	San Rafael Swe	19.81 124	ePn	Pn	07 16 45.8	-0.7
SRU	San Rafael Swe	19.81 124	ePn	Pn	07 16 45.8	-0.7
SRU	San Rafael Swe	19.81 124	ePn	Pn	07 16 45.8	-0.7
MTPU	Mount Pierson	19.83 129	ePn	P	07 16 50.7	+3.9
SHOC	Shoshone, Teco	19.86 141	P	Pn	07 16 44.3	-0.9
RSSD	Black Hills	20.09 104	ePn	P	07 16 52.0	+2.2
RSSD	Black Hills	20.09 104	ePn	Pn	07 16 52.0	+2.2
RSSD	Black Hills	2				

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1354

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like NEE2, W13A, MURC, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like O41A, P41A, T39A, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like DRWO, Y46A, U49A, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like Pamplona, Barichara, Wonju Array, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like LZH, SIRR, BIZ, PTGA, GZR, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like WSLR, B926, PFB, WPB, etc.

1357

SWSC	Sam W. Stewart	22.37	144	P	P	07 30 20.2 +1.1
S22A	4UR Ranch, Cre	22.48	120	eP	P	07 30 22.1 +1.4
S22A	4UR Ranch, Cre	22.48	120	P	P	07 30 21.7 +0.0
Q24A	Divide	22.51	116	eP	P	07 30 23.8 +2.8
Q24A	Divide	22.51	116	P	P	07 30 23.0 +2.1
IKP	In-Ko-Pah, Jac	22.52	145	P	P	07 30 22.4 +1.6
Y14A	Wickentig	22.59	137	eP	P	07 30 22.5 +1.0
GLA	Glamis	22.64	142	eP	P	07 30 23.6 +1.6
GLA	Glamis	22.64	142	eP	P	07 30 23.6 +1.6
GLA	Glamis	22.64	142	P	P	07 30 23.2 +1.2
SUSD	Miller	22.78	97	P	P	07 30 25.0 +1.5
X16A	Lo Mia Camp, P	22.86	133	eP	P	07 30 25.6 +1.1
AGMN	Agassiz Nation	22.90	86	eP	P	07 30 26.5 +1.9
AGMN	Agassiz Nation	22.90	86	P	P	07 30 26.1 +1.4
OGNE	Ogallala	22.96	108	eP	P	07 30 26.4 +0.9
OGNE	Ogallala	22.96	108	P	P	07 30 26.4 +0.9
W18A	Petrified Fore	23.07	129	eP	P	07 30 29.6 +2.9
SDCO	Great Sand Dun	23.19	118	eP	P	07 30 29.0 +0.9
SDCO	Great Sand Dun	23.19	118	P	P	07 30 28.5 +0.4
113A	Mohawk Valley,	23.30	140	eP	P	07 30 30.3 +1.5
X18A	Snowflake	23.45	131	eP	P	07 30 31.7 +1.1
KSCO	Kaye Shedlock	23.89	112	eP	P	07 30 36.0 +1.2
KSCO	Kaye Shedlock	23.89	112	P	P	07 30 35.4 +0.5
T25A	Trinidad	24.23	118	eP	P	07 30 38.9 +0.8
T25A	Trinidad	24.23	118	P	P	07 30 39.2 +1.1
E14A	Organ Pipe Nat	24.39	139	P	P	07 30 41.0 +1.6
21CD	EROS Data Cent	24.59	96	eP	P	07 30 40.7 -0.4
ECSD	EROS Data Cent	24.59	96	eP	P	07 30 41.6 +0.5
ECSD	EROS Data Cent	24.59	96	P	P	07 30 41.2 +0.1
ANMO	Albuquerque	24.82	124	P	P	07 30 43.9 +0.5
ANMO	Albuquerque	24.82	124	eP	P	07 30 44.1 +0.7
ANMO	Albuquerque	24.82	124	eP	P	07 30 44.1 +0.7
ANMO	Albuquerque	24.82	124	P	P	07 30 44.1 +0.7
ANMO	Albuquerque	24.82	124	P	P	07 30 44.1 +0.7
LAZ	Ladron	24.91	126	eP	P	07 30 45.3 +1.1
TUC	Tucson	24.94	135	eP	P	07 30 45.9 +1.5
TUC	Tucson	24.94	135	eP	P	07 30 45.9 +1.5
TUC	Tucson	24.94	135	P	P	07 30 45.5 +1.1
BGNE	Belgrade	24.98	102	eP	P	07 30 45.5 +0.8
BGNE	Belgrade	24.98	102	P	P	07 30 45.3 +0.6
LPM	Los Pinos Moun	25.23	126	eP	P	07 30 50.9 +3.7
CBKS	Barres Bluff	25.36	126	eP	P	07 30 49.8 +1.5
CBKS	Cedar Bluff	25.69	109	eP	P	07 30 52.3 +1.2
CBKS	Cedar Bluff	25.69	109	eP	P	07 30 52.3 +1.2
CBKS	Cedar Bluff	25.69	109	P	P	07 30 51.8 +0.6
CBKS	Cedar Bluff	25.69	109	P	P	07 30 52.0 +0.7
EYMN	Ely	25.72	84	eP	P	07 30 51.7 +0.4
EYMN	Ely	25.72	84	P	P	07 30 51.7 +0.4
F37A	Hinrichs Farm,	26.02	89	P	P	07 30 53.8 -0.2
121A	Cookes Peak, D	26.11	130	P	P	07 30 56.6 +1.4
SPMN	Marine on St.	26.16	90	eP	P	07 30 56.0 +0.8
SPMN	Marine on St.	26.16	90	P	P	07 30 55.5 +0.3
E38A	The Farm, Brul	26.27	86	eP	P	07 30 58.7 +2.4
E38A	The Farm, Brul	26.27	86	P	P	07 30 57.7 +1.5
F38A	Pierce - Schro	26.37	88	P	P	07 30 57.8 +0.6
319A	Douglas	26.40	134	eP	P	07 31 00.1 +2.4
H38A	Maiden Rock	26.75	91	P	P	07 31 01.3 +0.6
G38A	Ridgeland	26.77	89	P	P	07 31 01.3 +0.5
RES	Resolute Bay	26.91	20	P	P	07 31 03.7 +2.0
RES	Resolute Bay	26.91	20	P	P	07 31 03.7 +2.0
F39A	Loretta	26.98	87	P	P	07 31 05.7 +3.1
E39A	Mellen	26.98	86	P	P	07 31 03.2 +0.5
G39A	Holcombe	27.13	89	P	P	07 31 04.0 0.0
C40A	Isle Royale Na	27.16	82	eP	P	07 31 08.9 +4.7
KSU1	Kansas State U	27.34	105	eP	P	07 31 06.6 +0.6
KSU1	Kansas State U	27.34	105	P	P	07 31 06.4 +0.4
E40A	Wakefield	27.36	86	P	P	07 31 06.7 +0.7
H39A	Augusta	27.36	90	P	P	07 31 06.6 +0.4
AMTX	Amarillo	27.38	118	eP	P	07 31 07.2 +0.7
AMTX	Amarillo	27.38	118	P	P	07 31 07.5 +1.0
F40A	Park Falls	27.47	87	P	P	07 31 07.2 +0.1
MSTX	Muleshoe	27.49	120	eP	P	07 31 08.0 +0.0
MSTX	Muleshoe	27.49	120	P	P	07 31 07.8 +0.3
I39A	Houston	27.64	92	eP	P	07 31 09.0 +0.4
I39A	Houston	27.64	92	P	P	07 31 08.6 0.0
SCIA	State Center	27.68	97	eP	P	07 31 14.8 +5.8
G40A	Rib Lake	27.73	88	eP	P	07 31 12.5 +3.0
U32A	Winter Ranch,	27.79	112	eP	P	07 31 11.6 +1.5
J39A	Decorah	27.81	93	P	P	07 31 10.2 +0.1
H40A	Chili	27.94	89	P	P	07 31 11.3 0.0
MNTX	Cornudas Mount	27.95	127	eP	P	07 31 12.3 +0.8
MNTX	Cornudas Mount	27.95	127	P	P	07 31 12.6 +1.1
COWI	Conover	27.98	86	eP	P	07 31 12.2 +0.6
F41A	Three Lakes	28.18	86	eP	P	07 31 17.2 +3.8
F41A	Three Lakes	28.18	86	P	P	07 31 14.4 +1.0
I40A	Norwalk	28.18	91	P	P	07 31 13.4 -0.1

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J40A	Soldiers Grove	28.37	92	P	P	07 31 15.1 -0.1
K40A	Colesburg	28.50	93	P	P	07 31 15.6 -0.7
I41A	Arkdale	28.55	90	eP	P	07 31 17.4 +0.7
I41A	Arkdale	28.55	90	P	P	07 31 16.0 -0.7
M39A	Webster	28.56	96	P	P	07 31 17.4 +0.6
F42A	Maple Grove Fa	28.76	86	P	P	07 31 19.0 +0.4
L40A	Anamosa	28.81	95	eP	P	07 31 19.3 +0.2
L40A	Anamosa	28.81	95	P	P	07 31 19.0 0.0
G42A	Mountain	28.84	87	eP	P	07 31 20.4 +1.1
JFWS	Jewell Farm	28.93	92	eP	P	07 31 21.4 +1.3
JFWS	Jewell Farm	28.93	92	eP	P	07 31 21.5 +1.3
JFWS	Jewell Farm	28.93	92	P	P	07 31 18.9 -1.3
M40A	Post Highland	29.01	96	P	P	07 31 21.6 +0.7
K41A	Shullsburg	29.07	93	P	P	07 31 21.4 0.0
WMOK	Wichita Mounta	29.09	114	eP	P	07 31 22.3 +0.7
WMOK	Wichita Mounta	29.09	114	eP	P	07 31 22.3 +0.7
WMOK	Wichita Mounta	29.09	114	P	P	07 31 22.3 +0.7
H42A	Shiocton	29.14	88	eP	P	07 31 25.8 +3.8
E43A	Lone Tree Farm	29.16	84	eP	P	07 31 23.6 +1.5
E43A	Lone Tree Farm	29.16	84	P	P	07 31 23.2 +1.0
I42A	Draeger Farm,	29.23	90	eP	P	07 31 23.5 +0.8
I42A	Draeger Farm,	29.23	90	P	P	07 31 23.3 +0.6
G43A	Wallace	29.28	86	eP	P	07 31 25.4 +2.1
J42A	Colubus	29.40	91	P	P	07 31 24.0 -0.4
H43A	Windswept, Lux	29.63	88	eP	P	07 31 27.6 +1.3
L42A	Oliver, Polo	29.80	93	eP	P	07 31 29.5 +1.7
L42A	Oliver, Polo	29.80	93	P	P	07 31 28.3 +0.5
N41A	Harden Midland	29.82	97	eP	P	07 31 29.6 +1.6
N41A	Harden Midland	29.82	97	P	P	07 31 27.5 -0.5
TUL1	Leonard	29.97	109	eP	P	07 31 32.5 +3.1
TUL1	Leonard	29.97	109	P	P	07 31 30.2 +0.8
T38A	Diamond	30.08	106	P	P	07 31 29.2 -1.1
O41A	Passleys Farm,	30.16	97	P	P	07 31 30.7 -0.3
ABTX	Abilene, Hawle	30.20	118	eP	P	07 31 32.1 +0.6
ABTX	Abilene, Hawle	30.20	118	P	P	07 31 30.8 -0.6
N42A	Yates City	30.25	96	P	P	07 31 31.6 -0.2
P41A	Barry, Barry	30.32	98	P	P	07 31 32.4 0.0
Q41A	Truxton	30.67	100	P	P	07 31 34.6 -0.9
TX31	Lajitas Ar. Si	30.73	127	eP	P	07 31 36.5 +0.2
TX31	Lajitas Ar. Si	30.73	127	P	P	07 31 36.7 +0.4
TXAR	Lajitas Ar. Si	30.73	127	P	P	07 31 36.7 +0.4
TXAR	Lajitas Ar. Si	30.73	127	P	P	07 34 33.9 0.0
HHAR	Hobbs	30.80	106	eP	P	07 31 41.1 +4.3
HDIL	Hopedale	30.87	95	eP	P	07 31 38.8 +1.5
R41A	Rosebud	30.99	101	P	P	07 31 38.1 -0.3
U39A	Green Forest	31.00	106	P	P	07 31 38.6 +0.1
X37A	Clayton	31.14	110	eP	P	07 31 40.4 +0.6
CCM	Cathedral Cave	31.23	101	eP	P	07 31 41.8 +1.3
CCM	Cathedral Cave	31.23	101	eP	P	07 31 41.8 +1.3
CCM	Cathedral Cave	31.23	101	P	P	07 31 40.4 -0.1
S41A	Jillico Farms,	31.23	102	P	P	07 31 40.3 -0.2
V39A	Pettigrew	31.27	107	P	P	07 31 40.3 -0.7
P43A	Skaggs, Pawnee	31.28	97	P	P	07 31 40.8 -0.1
R42A	Luebbering	31.36	100	P	P	07 31 41.1 -0.5
U40A	Yellville	31.39	105	P	P	07 31 41.4 -0.5
J46A	Howard City	31.52	88	P	P	07 31 43.2 +0.2
Q43A	New Douglas	31.61	98	P	P	07 31 43.5 -0.2
W39A	Magazine	31.64	108	eP	P	07 31 46.4 +2.3
W39A	Magazine	31.64	108	P	P	07 31 44.3 +0.2
S42A	Caledonia	31.69	101	P	P	07 31 43.3 -1.2
JCT	Junction City	31.78	121	eP	P	07 31 45.3 -0.1
JCT	Junction City	31.78	121	eP	P	07 31 45.3 -0.1
JCT	Junction City	31.78	121	P	P	07 31 45.5 0.0
V40A	Witts Springs	31.78	106	eP	P	07 31 46.0 +0.6
V40A	Witts Springs	31.78	106	P	P	07 31 45.2 -0.2
N45A	Kentland	31.79	93	P	P	07 31 45.6 +0.3
K46A	Dorr	31.80	89	P	P	07 31 45.6 +0.1
HPIG	Highgate	31.82	133	eP	P	07 31 47.6 +1.7
WHTX	Lake Whitney,	31.88	116	P	P	07 31 46.4 +0.2
X39A	Fountain Ranch	31.93	109	P	P	07 31 47.2 +0.5
T42A	Van Buren	31.99	102	P	P	07 31 46.4 -0.7
O45A	Potomac	32.01	94	P	P	07 31 46.2 -1.1
V41A	Mountaintop	32.19	105	P	P	07 31 47.9 -1.1
MIAR	Mount Ida	32.21	108	eP	P	07 31 50.4 +1.2
MIAR</						

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LONY	comp=Z,63nm,1.5s Lake Ozonia	37.59 78 P	P	P	07 32 35.2 -0.3
149A	comp=Z,315 Jones	37.59 104 P	P	P	07 32 34.6 -1.0
W52A	comp=Z,312 Murphy	37.61 98 P	P	P	07 32 35.5 -0.3
V53A	comp=Z,82nm,1.4s Saluda	37.91 96 eP	P	P	07 32 38.7 +0.4
V53A	comp=Z,312 Saluda	37.91 96 P	P	P	07 32 38.4 +0.1
X52A	comp=Z,313 Dahlonega	37.96 99 P	P	P	07 32 38.2 -0.5
W53A	comp=Z,312,SNR=5.0 Cullowhee	38.02 97 P	P	P	07 32 38.9 -0.4
150A	comp=Z,312,SNR=5.0 Eclectic	38.05 103 P	P	P	07 32 39.2 -0.2
Z51A	comp=Z,314 Franklin	38.06 101 P	P	P	07 32 41.0 +1.4
FRNY	comp=Z,120nm,1.5s Flat Rock	38.07 78 eP	P	P	07 32 39.9 +0.4
BG3	comp=Z,52nm,1.2s Lake Jocassee	38.28 97 eP	P	P	07 32 42.8 +1.4
250A	comp=Z,130nm,1.5s Grady	38.35 104 P	P	P	07 32 44.8 +2.8
250A	comp=Z,316 Grady	38.35 104 P	P	P	07 32 40.3 -1.7
BLA	comp=Z,91nm,1.1s Blacksburg	38.37 92 eP	P	P	07 32 43.0 +0.8
BLA	comp=Z,91nm,1.1s Blacksburg	38.37 92 eP	P	P	07 32 43.0 +0.8
BLA	comp=Z,91nm,1.1s Blacksburg	38.37 92 P	P	P	07 32 42.4 +0.2
Z52A	comp=Z,310 Williamson	38.61 101 P	P	P	07 32 43.8 -0.3
MOQ	comp=Z,314 Mont Orford	38.61 76 eP	P	P	07 32 45.5 +1.4
152A	comp=Z,40nm,1.3s Waverly Hall	38.79 102 eP	P	P	07 32 45.7 0.0
152A	comp=Z,315 Waverly Hall	38.79 102 P	P	P	07 32 45.6 -0.1
VT1	comp=Z,67nm,1.5s Waterbury	38.84 78 eP	P	P	07 32 47.7 +1.7
N59A	comp=Z,306 State Game Lan	38.85 94 P	P	P	07 32 46.4 -0.6
GOGA	comp=Z,107nm,1.5s Godfrey	39.03 100 eP	P	P	07 32 50.6 +2.9
GOGA	comp=Z,107nm,1.5s Godfrey	39.03 100 eP	P	P	07 32 50.6 +2.9
KMSC	comp=Z,107nm,1.5s Kings Mountain	39.16 96 P	P	P	07 32 48.1 -0.7
LBNH	comp=Z,67nm,1.4s Lisbon	39.39 77 eP	P	P	07 32 52.9 +2.2
JRQJ	comp=Z,51nm,1.0s Juriquilla	39.58 131 eP	P	P	07 32 53.3 +0.7
SEY	comp=Z,9.5nm,1.0s,SNR=11 Seymchan	39.79 316 P	P	P	07 32 52.7 -1.0
SEY	comp=Z,9.5nm,1.0s,SNR=11 Seymchan	39.79 316 eP	P	P	07 32 52.7 -1.0
PKME	comp=Z,58nm,1.1s Peaks-Kenny Pk	40.40 74 eP	P	P	07 33 00.8 +1.9
PKME	comp=Z,58nm,1.1s Peaks-Kenny Pk	40.40 74 P	P	P	07 33 00.3 +1.4
WVL	comp=Z,81nm,1.4s Waterville	40.56 75 eP	P	P	07 33 01.9 +1.6
PET	comp=Z,50nm,1.0s Petropavlovsk	40.90 300 eP	P	P	07 33 01.6 -1.3
PET	comp=Z,57nm,1.1s Petropavlovsk	40.90 300 eP	P	P	07 32 58.7 -4.2
BATG	comp=Z,100nm,1.6s Bathurst New B	41.21 70 eP	P	P	07 33 08.5 +2.9
PEAOB	comp=Z,66nm,1.4s Petropavlovsk	41.36 300 eP	P	P	07 33 05.8 -1.0
PETK	comp=Z,1.7nm,0.9s,baz=81,slow=11,SNR=13 Petropavlovsk	41.36 300 P	P	P	07 33 05.1 -1.7
PETK	comp=Z,1.7nm,0.9s,baz=81,slow=11,SNR=13 Petropavlovsk	41.36 300 eP	P	P	07 33 05.1 -1.7
EMMW	comp=Z,89nm,1.1s East Machias	41.79 74 eP	P	P	07 33 12.1 +1.8
MA2	comp=Z,4.7nm,0.4s,baz=119,slow=3,SNR=3.3 Magadan	41.85 312 P	P	P	07 33 10.0 -0.8
MA2	comp=Z,4.7nm,0.4s,baz=119,slow=3,SNR=3.3 Magadan	41.85 312 eP	P	P	07 33 10.6 -0.1
SUMG	comp=Z,24nm,1.3s Summit	42.04 27 eP	P	P	07 33 13.4 +0.8
SUMG	comp=Z,24nm,1.3s Summit	42.04 27 iP	P	P	07 33 13.2 +0.6
SUMG	comp=Z,104nm,1.0s Summit	42.04 27 iP	P	P	07 33 13.2 +0.6
TLIG	comp=Z,100nm,1.0s Tlapa	43.71 131 eP	P	P	07 33 23.0 +1.0
IVI	comp=Z,29nm,1.2s Ivigtut	43.51 44 eP	P	P	07 33 28.8 +4.7
TIXI	comp=Z,1.3nm,0.6s,baz=82,slow=6.0,SNR=6.2 Tiksi	44.34 333 P	P	P	07 33 29.0 -1.6
TIXI	comp=Z,1.3nm,0.6s,baz=82,slow=6.0,SNR=6.2 Tiksi	44.34 333 eP	P	P	07 33 32.6 +1.9
TIXI	comp=Z,8.7nm,1.1s Tiksi	44.34 333 eP	P	P	07 33 31.2 +0.5
DAG	comp=Z,1.0nm,0.5s Danmarks Havn	44.53 18 iP	P	P	07 33 32.0 -0.2
DAG	comp=Z,38nm,1.2s Danmarks Havn	44.53 18 iP	P	P	07 33 32.0 -0.2
DAG	comp=Z,38nm,1.2s Danmarks Havn	44.53 18 P	P	P	07 33 32.0 -0.2
CMIG	comp=Z,6.2nm,0.9s,baz=323,slow=6.2,SNR=7.8 Matias Romero	45.34 127 P	P	P	07 33 39.0 -0.3
CMIG	comp=Z,6.2nm,0.9s,baz=323,slow=6.2,SNR=7.8 Matias Romero	45.34 127 eP	P	P	07 34 09.0 -1.4
YAK	comp=Z,28nm,1.5s Tymovskoe	50.38 305 eP	P	P	07 34 07.5 -1.0
TYV	comp=Z,300nm,3.0s Tymovskoe	50.38 305 eP	P	P	07 34 07.5 -1.0
YSS	comp=Z,11nm,1.8s Yuzh-Sakhalins	52.76 301 eP	P	P	07 34 38.7 +2.8
YSS	comp=Z,66nm,1.3s Yuzh-Sakhalins	52.76 301 eP	P	P	07 34 33.8 -2.0
YSS	comp=Z,20nm,1.2s Yuzh-Sakhalins	52.76 301 eP	P	P	07 34 33.8 -2.0
NR1K	comp=Z,45nm,1.0s,baz=151,slow=24,SNR=19.9 Noril'sk	55.41 344 P	P	P	07 34 52.8 -2.0
ZEY	comp=Z,278nm,20.2s,baz=24,slow=41 Zeya	55.76 315 eP	P	P	07 34 41.2 -1.6
JTS	comp=Z,278nm,20.2s,baz=24,slow=41 JuntasAbangare	56.16 121 LR	LR	LR	08 03 30.6
KLR	comp=Z,41,slow=76 Kul'dur	56.80 309 eP	P	P	07 35 05.9 +0.8
H112N	comp=Z,41,slow=76,SNR=16.4 WAKE ISLAND Hy	57.38 260 T	T	T	08 37 06.0
H112N	comp=Z,41,slow=76,SNR=16.4 WAKE ISLAND Hy	57.38 260 T	T	T	08 37 05.3
H11N	comp=Z,17nm,1.8s WAKE ISLAND Hy	57.38 260 T	T	T	08 37 06.6
BOD	comp=Z,17nm,1.8s Bodaibo	58.04 305 eP	P	P	07 35 05.6 -8.1
USRK	comp=Z,2nm,0.9s,baz=336,slow=12,SNR=13 Ussuriysk Ar	60.20 305 P	P	P	07 35 26.3 -2.5
SJG	comp=Z,6.2nm,0.7s,baz=285,slow=16,SNR=4.0 San Juan	60.76 98 P	P	P	07 35 31.6 -1.4
OUL	comp=Z,21nm,1.6s Oulu	61.69 11 P	P	P	07 35 37.7 -0.9
HIA	comp=Z,14nm,1.2s Hailar	62.24 316 eP	P	P	07 35 43.9 +1.2
MJAR	comp=Z,23.9nm,1.1s,baz=336,slow=4.2,SNR=3.9 Matsushiro Arr	62.34 295 P	P	P	07 35 40.7 -2.8
MAJO	comp=Z,23.9nm,1.1s,baz=336,slow=4.2,SNR=3.9 Matsushiro	62.34 295 eP	P	P	07 35 44.0 +0.5
MOTC	comp=Z,17nm,1.3s Monte Cord	62.50 113 eP	P	P	07 35 45.6 +0.8
NC204	comp=Z,17nm,1.3s NORSAR Array S	62.86 19 eP	P	P	07 35 47.2 +0.6
NC303	comp=Z,17nm,1.3s NORSAR Array S	63.03 19 eP	P	P	07 35 47.8 +0.1
NB2	comp=Z,3.9nm,0.8s,baz=336,slow=6.9 NORSAR Subarra	63.17 19 P	P	P	07 35 47.8 -0.8
NOA	comp=Z,6.3nm,0.8s,baz=336,slow=6.6,SNR=14 NORSAR Array S	63.28 20 P	P	P	07 35 48.2 -0.5
NAO01	comp=Z,6.3nm,0.8s,baz=336,slow=6.6,SNR=14 NORSAR Array S	63.28 20 P	P	P	07 35 49.4 0.0
CN2	comp=Z,3.9nm,0.8s,baz=336,slow=6.9 Changchun	63.72 308 eP	P	P	07 35 56.0 +3.5
ZARC	comp=Z,3.9nm,0.8s,baz=336,slow=6.9 Zaragoza, Cauc	64.01 113 eP	P	P	07 35 52.9 -1.9
JOF	comp=Z,3.9nm,0.8s,baz=336,slow=6.9 Joensuu	64.36 9 P	P	P	07 35 55.8 -0.6

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HELC	comp=Z,114 Santa Helena	64.69 114 eP	P	P	07 35 58.9 -0.8
SDV	comp=Z,10nm,1.0s Santo Domingo	65.31 108 eP	P	P	07 36 03.4 -0.1
BARC	comp=Z,112 Barichara	65.69 112 eP	P	P	07 36 05.5 -0.5
YUTC	comp=Z,112 Yotoco, Valle	66.05 117 eP	P	P	07 36 10.2 +1.9
RUSC	comp=Z,112 La Rusia	66.32 112 eP	P	P	07 36 09.5 -0.9
PRGR	comp=Z,112 Permogore	66.43 2 eP	P	P	07 36 07.4 -2.4
PRGR	comp=Z,20nm,0.9s El Rosal	66.48 114 P	P	P	07 36 11.2 -0.1
ROSC	comp=Z,4nm,0.8s,baz=59,slow=15,SNR=10 El Rosal	66.48 114 eP	P	P	07 36 12.0 +0.7
ROSC	comp=Z,33nm,1.5s El Rosal	66.48 114 eP	P	P	07 36 11.8 -2.5
ROSC	comp=Z,31nm,1.3s El Rosal	66.55 326 eP	P	P	07 36 08.9 +3.0
TLY	comp=Z,24nm,1.1s Talaya	66.55 326 eP	P	P	07 36 10.2 -0.6
PRAC	comp=Z,2.1nm,1.0s,baz=50,slow=6.6,SNR=3.9 Wonju Array S	67.09 115 eP	P	P	07 36 14.1 -0.6
KS01	comp=Z,2.1nm,1.0s,baz=50,slow=6.6,SNR=3.9 Wonju Array S	67.23 302 P	P	P	07 36 12.4 -2.9
KSRS	comp=Z,2.1nm,1.0s,baz=50,slow=6.6,SNR=3.9 Wonju Array S	67.23 302 eP	P	P	07 36 11.8 -3.6
KSAR	comp=Z,2.1nm,1.0s,baz=50,slow=6.6,SNR=3.9 Wonju Array S	67.26 302 P	P	P	07 36 11.8 -3.8
MOY	comp=Z,32nm,1.6s Mondy	67.45 328 eP	P	P	07 36 16.2 -0.5
MOY	comp=Z,32nm,1.6s Mondy	67.45 328 eP	P	P	07 36 16.2 -0.5
ZAK	comp=Z,5.0nm,1.4s Zakamensk	67.77 326 eP	P	P	07 36 16.9 -1.8
ZAK	comp=Z,5.0nm,1.4s Zakamensk	67.77 326 eP	P	P	07 36 16.9 -1.8
OTAV	comp=Z,2.7nm,1.3s Otavalo	68.06 121 eP	P	P	07 36 22.3 +1.0
OTAV	comp=Z,2.7nm,1.3s Otavalo	68.06 121 eP	P	P	07 36 22.3 +1.0
FLOC	comp=Z,32nm,1.5s Florencia	68.44 117 eP	P	P	07 36 24.1 +0.9
SONA	comp=Z,32nm,1.5s Songino Array	68.76 322 eP	P	P	07 36 23.4 -1.6
SONM	comp=Z,2.6nm,0.9s,baz=35,slow=5.4,SNR=8.7 Songino Array	68.77 322 P	P	P	07 36 23.3 -1.8
NVS	comp=Z,2.6nm,0.9s,baz=35,slow=5.4,SNR=8.7 Novosibirsk	69.46 339 eP	P	P	07 36 26.2 -2.8
NVS	comp=Z,2.6nm,0.9s,baz=35,slow=5.4,SNR=8.7 Novosibirsk	69.46 339 eP	P	P	07 36 26.2 -2.8
NVS	comp=Z,2.7nm,1.3s Novosibirsk	69.48 329 eP	P	P	07 36 28.9 -0.5
NVS	comp=Z,2.7nm,1.3s Novosibirsk	69.48 329 eP	P	P	07 36 30.3 -1.7
KNGR	comp=Z,1.3nm,1.0s Kungurtug, Tuv	69.48 338 eP	P	P	07 36 30.2 -1.8
ZAAO	comp=Z,5.7nm,0.8s,baz=5.7,slow=6.0,SNR=13 Zalesovo Beam	69.94 338 eP	P	P	08 10 16.0
ZALV	comp=Z,5.7nm,0.8s,baz=5.7,slow=6.0,SNR=13 Zalesovo Beam	69.94 338 eP	P	P	08 10 16.0
ZALV	comp=Z,5.7nm,0.8s,baz=5.7,slow=6.0,SNR=13 Zalesovo Beam	69.94 338 eP	P	P	08 10 16.0
ZALV	comp=Z,5.7nm,0.8s,baz=5.7,slow=6.0,SNR=13 Zalesovo Beam	69.94 338 eP	P	P	08 10 16.0
ZALV	comp=Z,5.7nm,0.8s,baz=5.7,slow=6.0,SNR=13 Zalesovo Beam	69.94 338 eP	P	P	08 10 16.0
KLNR	comp=Z,1.08nm,1.3s Kalinin	70.12 311 P	P	P	07 36 36.8 -1.6
KLNR	comp=Z,1.08nm,1.3s Kalinin	70.12 311 P	P	P	07 36 36.8 -1.6
BJJ	comp=Z,7.0nm,1.1s Beijing	71.01 311 P	P	P	07 36 40.5 +1.8
FLN	comp=Z,2.7nm,1.3s La Foliniere	71.03 32 eP	P	P	07 36 42.0 +3.3
FLN	comp=Z,2.7nm,1.3s La Foliniere	71.03 32 eP	P	P	07 36 42.0 +3.3
GRR	comp=Z,5.8nm,1.6s Gorron	71.23 32 eP	P	P	07 36 43.7 +3.7
GRR	comp=Z,5.8nm,1.6s Gorron	71.23 32 eP	P	P	07 36 43.7 +3.7
LDF	comp=Z,38nm,1.6s La Druitiere	71.30 32 eP	P	P	07 36 43.7 +3.3
LDF	comp=Z,38nm,1.6s La Druitiere	71.30 32 eP	P	P	07 36 43.7 +3.3
BAIF	comp=Z,43nm,1.7s Baives	71.34 28 eP	P	P	07 36 44.4 +3.8
BAIF	comp=Z,43nm,1.7s Baives	71.34 28 eP	P	P	07 36 44.4 +3.8
GIVF	comp=Z,2.25nm,1.3s Givet	71.48 28 eP	P	P	07 36 43.9 +2.5
GIVF	comp=Z,2.25nm,1.3s Givet	71.48 28 eP	P	P	07 36 43.9 +2.5
SUW	comp=Z,2.27nm,0.8s Suwalki	72.00 15 eP	P	P	07 36 43.9 -0.6
SUW	comp=Z,2.27nm,0.8s Suwalki	72.00 15 eP	P	P	07 36 43.9 -0.6
SUW	comp=Z,2.27nm,0.8s Suwalki	72.00 15 eP	P	P	07 36 43.9 -0.6
SUW	comp=Z,2.27nm,0.8s Suwalki	72.00 15 eP	P	P	07 36 43.9 -0.6
HHC	comp=Z,2.7nm,0.8s Hu-ho-hao-te	72.43 315 eP	P	P	07 36 47.3 -0.1
HHC	comp=Z,				

28d 8z

Table with columns: LPIG, La Paz, 2.06 313 Pn, Pn, 07 54 34.5 -0.6, etc.

IDC 28 07:55:13.6:6.5, 25.435x177.97W, h166km, 69km, mb3.2/4, mb1 3.6/5, mbtm3.3/46, mbtm3.3/75, Error ellipse: s-maj=71.9km s-min=25.2km az=167.0, South of Fiji Islands

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

ISCJB 28 07:56:25.4:0.5, 52.56N:0.05:132.22W:0.10, h18km, mb4.1/6, Error ellipse: s-maj=10.3km s-min=4.0km az=144.2

IDC 28 07:56:25.1:1.7, 52.56N:132.19W, h0km, mb3.6/3, mb1 3.9/4, mb1mx3.6/50, mbtm3.6/8, ML3.9/5, Error ellipse: s-maj=25.7km s-min=13.2km az=49.0

NEIC 28 07:56:26.7:0.5, 52.64N:132.06W, h10km, mb4.0/4, Error ellipse: s-maj=11.7km s-min=4.5km az=53.0

ISC 28 07:56:27.3:0.8, 52.65N:0.07:132.16W:0.09, h18km, n46, c188/45, mb3.9/6, Queen Charlotte Islands region

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

ISC 28 07:56:55.5:3.9, 51.81N:133.70W, h0km, mb3.6/2, mb1 4.0/3, mb1mx3.4/49, mbtm3.6/3, ML4.0/1, Error ellipse: s-maj=224.5km s-min=32.5km az=41.0, Queen Charlotte Islands region

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

PGC 28 08:01:24.9:1.8, 53.08N:132.26W, h2km, 136km, 35km Wsw of Sandspit, Bc Haida Gwaii Region

ISCJB 28 08:01:25.1:0.3, 52.11N:140.04:132.51W:0.08, h10km, mb3.9/33, Error ellipse: s-maj=8.4km s-min=2.9km az=147.1

IDC 28 08:01:25.2:1.5, 52.20N:132.30W, h0km, mb3.8/5,

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

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mb1 3.9/10, mb1mx3.7/45, mbtm3.7/10, ML3.3/5, Error ellipse: s-maj=24.0km s-min=8.1km az=67.0, NEIC 28 08:01:26.8:0.3, 52.04N:132.63W, h10km, mb4.0/41, Error ellipse: s-maj=9.9km s-min=3.0km az=53.0, ISC 28 08:01:27.4:0.7, 52.15N:106.132:37W:0.07, h10km, n132, c1542/127, mb4.0/33, Queen Charlotte Islands region

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

ISCJB 28 08:01:27.4:0.7, 52.15N:106.132:37W:0.07, h10km, n132, c1542/127, mb4.0/33, Queen Charlotte Islands region

ISC 28 08:01:27.4:0.7, 52.15N:106.132:37W:0.07, h10km, n132, c1542/127, mb4.0/33, Queen Charlotte Islands region

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

ISC 28 08:01:27.4:0.7, 52.15N:106.132:37W:0.07, h10km, n132, c1542/127, mb4.0/33, Queen Charlotte Islands region

ISC 28 08:01:27.4:0.7, 52.15N:106.132:37W:0.07, h10km, n132, c1542/127, mb4.0/33, Queen Charlotte Islands region

ISC 28 08:01:27.4:0.7, 52.15N:106.132:37W:0.07, h10km, n132, c1542/127, mb4.0/33, Queen Charlotte Islands region

ISC 28 08:01:27.4:0.7, 52.15N:106.132:37W:0.07, h10km, n132, c1542/127, mb4.0/33, Queen Charlotte Islands region

ISC 28 08:01:27.4:0.7, 52.15N:106.132:37W:0.07, h10km, n132, c1542/127, mb4.0/33, Queen Charlotte Islands region

ISC 28 08:01:27.4:0.7, 52.15N:106.132:37W:0.07, h10km, n132, c1542/127, mb4.0/33, Queen Charlotte Islands region

ISC 28 08:01:27.4:0.7, 52.15N:106.132:37W:0.07, h10km, n132, c1542/127, mb4.0/33, Queen Charlotte Islands region

ISC 28 08:01:27.4:0.7, 52.15N:106.132:37W:0.07, h10km, n132, c1542/127, mb4.0/33, Queen Charlotte Islands region

ISC 28 08:01:27.4:0.7, 52.15N:106.132:37W:0.07, h10km, n132, c1542/127, mb4.0/33, Queen Charlotte Islands region

ISC 28 08:01:27.4:0.7, 52.15N:106.132:37W:0.07, h10km, n132, c1542/127, mb4.0/33, Queen Charlotte Islands region

ISC 28 08:01:27.4:0.7, 52.15N:106.132:37W:0.07, h10km, n132, c1542/127, mb4.0/33, Queen Charlotte Islands region

ISC 28 08:01:27.4:0.7, 52.15N:106.132:37W:0.07, h10km, n132, c1542/127, mb4.0/33, Queen Charlotte Islands region

ISC 28 08:01:27.4:0.7, 52.15N:106.132:37W:0.07, h10km, n132, c1542/127, mb4.0/33, Queen Charlotte Islands region

ISC 28 08:01:27.4:0.7, 52.15N:106.132:37W:0.07, h10km, n132, c1542/127, mb4.0/33, Queen Charlotte Islands region

ISC 28 08:01:27.4:0.7, 52.15N:106.132:37W:0.07, h10km, n132, c1542/127, mb4.0/33, Queen Charlotte Islands region

ISC 28 08:01:27.4:0.7, 52.15N:106.132:37W:0.07, h10km, n132, c1542/127, mb4.0/33, Queen Charlotte Islands region

ISC 28 08:01:27.4:0.7, 52.15N:106.132:37W:0.07, h10km, n132, c1542/127, mb4.0/33, Queen Charlotte Islands region

ISC 28 08:01:27.4:0.7, 52.15N:106.132:37W:0.07, h10km, n132, c1542/127, mb4.0/33, Queen Charlotte Islands region

ISC 28 08:01:27.4:0.7, 52.15N:106.132:37W:0.07, h10km, n132, c1542/127, mb4.0/33, Queen Charlotte Islands region

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Table with columns: PV11, David Mesa, Pa, 21.45 121 eP, P, 08 06 14.8 -1.1, etc.

IDC 28 08:07:45.0:1.6, 52.27N:132.06W, h0km, mb3.6/2, mb1 4.0/7, mb1mx3.6/36, mbtm3.6/7, ML3.5/3, Error ellipse: s-maj=28.2km s-min=8.1km az=56.0

ISCJB 28 08:07:46.5:1.0, 52.30N:0.07:132.0W:0.1, h18km, mb3.5/2, Error ellipse: s-maj=14.1km s-min=7.2km az=144.4

ISC 28 08:07:47.4:1.2, 52.29N:0.10:132.0W:0.1, h18km, n10, c1510/12, Queen Charlotte Islands region

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

ISC 28 08:07:45.0:1.6, 52.27N:132.06W, h0km, mb3.6/2, mb1 4.0/7, mb1mx3.6/36, mbtm3.6/7, ML3.5/3, Error ellipse: s-maj=28.2km s-min=8.1km az=56.0

ISCJB 28 08:07:46.5:1.0, 52.30N:0.07:132.0W:0.1, h18km, mb3.5/2, Error ellipse: s-maj=14.1km s-min=7.2km az=144.4

ISC 28 08:07:47.4:1.2, 52.29N:0.10:132.0W:0.1, h18km, n10, c1510/12, Queen Charlotte Islands region

ISC 28 08:07:47.4:1.2, 52.29N:0.10:132.0W:0.1, h18km, n10, c1510/12, Queen Charlotte Islands region

ISC 28 08:07:47.4:1.2, 52.29N:0.10:132.0W:0.1, h18km, n10, c1510/12, Queen Charlotte Islands region

ISC 28 08:07:47.4:1.2, 52.29N:0.10:132.0W:0.1, h18km, n10, c1510/12, Queen Charlotte Islands region

ISC 28 08:07:47.4:1.2, 52.29N:0.10:132.0W:0.1, h18km, n10, c1510/12, Queen Charlotte Islands region

ISC 28 08:07:47.4:1.2, 52.29N:0.10:132.0W:0.1, h18km, n10, c1510/12, Queen Charlotte Islands region

ISC 28 08:07:47.4:1.2, 52.29N:0.10:132.0W:0.1, h18km, n10, c1510/12, Queen Charlotte Islands region

ISC 28 08:07:47.4:1.2, 52.29N:0.10:132.0W:0.1, h18km, n10, c1510/12, Queen Charlotte Islands region

ISC 28 08:07:47.4:1.2, 52.29N:0.10:132.0W:0.1, h18km, n10, c1510/12, Queen Charlotte Islands region

ISC 28 08:07:47.4:1.2, 52.29N:0.10:132.0W:0.1, h18km, n10, c1510/12, Queen Charlotte Islands region

ISC 28 08:07:47.4:1.2, 52.29N:0.10:132.0W:0.1, h18km, n10, c1510/12, Queen Charlotte Islands region

ISC 28 08:07:47.4:1.2, 52.29N:0.10:132.0W:0.1, h18km, n10, c1510/12, Queen Charlotte Islands region

ISC 28 08:07:47.4:1.2, 52.29N:0.10:132.0W:0.1, h18km, n10, c1510/12, Queen Charlotte Islands region

ISC 28 08:07:47.4:1.2, 52.29N:0.10:132.0W:0.1, h18km, n10, c1510/12, Queen Charlotte Islands region

ISC 28 08:07:47.4:1.2, 52.29N:0.10:132.0W:0.1, h18km, n10, c1510/12, Queen Charlotte Islands region

ISC 28 08:07:47.4:1.2, 52.29N:0.10:132.0W:0.1, h18km, n10, c1510/12, Queen Charlotte Islands region

ISC 28 08:07:47.4:1.2, 52.29N:0.10:132.0W:0.1, h18km, n10, c1510/12, Queen Charlotte Islands region

ISC 28 08:07:47.4:1.2, 52.29N:0.10:132.0W:0.1, h18km, n10, c1510/12, Queen Charlotte Islands region

ISC 28 08:07:47.4:1.2, 52.29N:0.10:132.0W:0.1, h18km, n10, c1510/12, Queen Charlotte Islands region

ISC 28 08:07:47.4:1.2, 52.29N:0.10:132.0W:0.1, h18km, n10, c1510/12, Queen Charlotte Islands region

ISC 28 08:07:47.4:1.2, 52.29N:0.10:132.0W:0.1, h18km, n10, c1510/12, Queen Charlotte Islands region

ISC 28 08:07:47.4:1.2, 52.29N:0.10:132.0W:0.1, h18km, n10, c1510/12, Queen Charlotte Islands region

ISC 28 08:07:47.4:1.2, 52.29N:0.10:132.0W:0.1, h18km, n10, c1510/12, Queen Charlotte Islands region

ISC 28 08:07:47.4:1.2, 52.29N:0.10:132.0W:0.1, h18km, n10, c1510/12, Queen Charlotte Islands region

ISC 28 08:07:47.4:1.2, 52.29N:0.10:132.0W:0.1, h18km, n10, c1510/12, Queen Charlotte Islands region

ISC 28 08:07:47.4:1.2, 52.29N:0.10:132.0W:0.1, h18km, n10, c1510/12, Queen Charlotte Islands region

NEIC 28 08:15:46.0±0.2, 52°41'N-131°68'W, h10km, mb4.2/75, Error ellipse: s-maj=8.1km s-min=2.1km az=51.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like BBB Bella Bella, DLBC Dease Lake, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like PV22 Blue Mesa, ANM Nome, PV20 West Nyswonger, etc.

ISC 28 08:17:10.1±1.6, 52°14'N-132°48'W, h0km, mb3.9/3, mb1 4.1/7, mb1mx3.7/40, mbtmp3.8/7, ML3.0/3, Error ellipse: s-maj=34.9km s-min=22.1km az=46.0, Queen Charlotte Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like BBB Bella Bella, YKA Yellowknife Ar, ILAR Eielson Array, etc.

0.1nm,0.3s,baz=157,slow=10,SNR=2.4

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like NVAR Mina Array, PDAR Pinedale Array, etc.

ISC 28 08:21:56.6±1.0, 52°09'N-131°93'W, h0km, mb3.8/7, mb1 4.0/13, mb1mx3.8/36, mbtmp3.8/13, ML3.5/5, Error ellipse: s-maj=15.0km s-min=11.0km az=46.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like BBB Bella Bella, DLBC Dease Lake, etc.

ISC 28 08:22:03.2±0.7, 52°29'N-132°07'W, h10km, mb4.0/35/1, Error ellipse: s-maj=12.5km s-min=3.7km az=51.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like G08A Pilot Rock, H08A Hull Mountain, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like W13A Hualapai Mount, PV01 Paradox Valley, SMCO Snowmass, WUAZ Wupatki, MVCO Mesa Verde, Y12C Blythe, S22A 4UR Ranch, Cre, Y14A Wickensburg, SDCO Great Sand Dun, X18A Snowflake, ANMO Albuquerque, LENM Lemitar, RESOLU Resolute Bay, TX31 Lajitas Ar. Si, TXAR Lajitas Array, OXF Oxford, H11N2 WAKE ISLAND Hy 57.26 260, H11N3 WAKE ISLAND Hy 57.26 260, H11N1 WAKE ISLAND Hy 57.28 260, H11S1 WAKE ISLAND Hy 58.31 259, H11S2 WAKE ISLAND Hy 58.33 259, H11S3 WAKE ISLAND Hy 58.33 259, GERES Geres Array B, MKAR Makanchi Array, ESDC Sonseca Array, WMQ Urumqi, LZH Lanzhou, BRTR Keskin Array B, LPAZ La Paz.

ADC 28 08:37:59.7z 1.5, 52.37N; 131.09W, h0km, mb3.5/4, mb1 3.7/8, mb1mx3.5/8, mbtmp3.5/8, ML3.3/4, Error ellipse: s-maj=30.2km s-min=1.0km az=51.0

ISCJB 28 08:38:01.8z 1.3, 51.23N; 0.1, 131.0W; 0.2, h10km, mb3.4/4, Error ellipse: s-maj=25.2km s-min=1.0km az=142.5

ISC 28 08:38:01.8z 1.3, 52.3N; 0.1, 131.1W; 0.2, h10km, n16, s154/11, mb3.5/4, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BBB Bella Bella, DLBC Dease Lake, NEW Newport, ILAR Eielson Array, NVAR Mina Array, PDAR Pinedale Array, ULM Lac du Bonnet, ANMO Albuquerque, TXAR Lajitas Array, H11N2 WAKE ISLAND Hy 57.26 260, H11N3 WAKE ISLAND Hy 57.26 260, H11N1 WAKE ISLAND Hy 57.58 260, H11S1 WAKE ISLAND Hy 58.61 260, H11S2 WAKE ISLAND Hy 58.62 259, H11S3 WAKE ISLAND Hy 58.63 260, MKAR Makanchi Array.

RSNC 28 08:41:24.7z 0.8, 7.40N; 76.20W, h5km, 8km, ML3.4, Mw3.5, Northern Colombia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ZARC Zaragoza, CAUC, HELC Santa Helena, MOTA Monteria, PTAC Punta Arditia, CAPC Capurgana, BRRR Barranca, OCAC Ocana.

ADC 28 08:45:52.3z 1.8, 51.78N; 133.34W, h0km, mb3.6/4, mb1 3.8/8, mb1mx3.6/4, mbtmp3.6/8, ML3.7/3, Error ellipse: s-maj=39.3km s-min=21.0km az=63.0

ISCJB 28 08:45:53.4z 1.3, 51.78N; 0.1, 133.2W; 0.3, h10km, mb3.5/4, Error ellipse: s-maj=25.5km s-min=12.6km az=153.2

ISC 28 08:45:54.3z 1.3, 51.77N; 0.1, 133.2W; 0.2, h10km, n16, s096/10, mb3.5/4, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BBB Bella Bella, DLBC Dease Lake, ILAR Eielson Array, INK Inuvik, NVAR Mina Array, PDAR Pinedale Array, ANMO Albuquerque, TXAR Lajitas Array, H11N2 WAKE ISLAND Hy 56.19 259.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like H11N3 WAKE ISLAND Hy 56.19 259, H11N1 WAKE ISLAND Hy 56.20 259, H11S1 WAKE ISLAND Hy 57.24 258, H11S2 WAKE ISLAND Hy 57.25 258, H11S3 WAKE ISLAND Hy 57.26 258, MKAR Makanchi Array, LPAZ La Paz.

ADC 28 08:47:38.2z 2.1, 50.52N; 132.15W, h0km, mb3.9/4, mb1 4.1/18, mb1mx4.0/49, mbtmp3.9/18, ML3.5/8, MS4.1/11, Ms1 4.1/1, ms1mx3.1/46, Error ellipse: s-maj=21.4km

ISCJB 28 08:47:39.5z 2.0, 50.52N; 0.04, 132.09W; 0.07, h18km, mb4.0/13, MS4.2/1, Error ellipse: s-maj=7.6km

NEIC 28 08:47:39.7z 0.6, 52.16N; 132.34W, h10km, mb4.3/9, Error ellipse: s-maj=17.8km s-min=4.9km az=48.0

ISC 28 08:47:41.2z 0.6, 52.44N; 0.06, 132.00W; 0.07, h18km, n159, s133/144, mb4.0/13, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like H02N1 VAN INLET T-PH, BBB Bella Bella, CRAG Craig, WRK Wrangell Island, SKAG Skagway, DLBC Dease Lake, DLBC Dease Lake, DLBC Bessie Mountain, DLBC Skagway, HYT Haines Junction, H04D Lebanon, NEW Newport, NEW Newport, NEW Drain, I04A Tendick Farm, EYAK Cordova Ski Ar, J04D Umpqua Nationa, DIV Div Fidalgo, FID FID, HUMO Hull Mountain, J05D Fort Rodd OR, KLU Cave Junction, L02E Yestick Farm, L02E Klutina, L04D Klutina, L04D Klutina Falls, DAWY Dawson, YBH Yreka Blue Hor, SCM Sheep Creek Mo, M04C Macdoel, SML Sawmill, MISO Missoula, PMR Palmer, N02D Trinity Center, RIDG Independent R, MOD Modoc Plateau, WVOR Wild Horse Val, YKA Yellowknife Ar, O02E Mt. Diablo Mer, O03E Payson Creek, MCK McKinley, IL1 Eielson Array, ILAR Eielson Array, ILB Eielson Array, TRF Thorofare Moun, WRH Wood River Hill, CCB Clear Creek Bu, HLID Hailey, TCOL COC UAIF Yank, EGMET Eagleton, EGMET Eagleton, POKR Poker Plat Res, MDM Murphy Dome, SPWV Bear Paw Mtn, SWV Starvation, FYU Fort Yukon, MLY Manley, INK Inuvik, CMB Columbia Cols, RLMT Red Lodge, RLMT Red Lodge, NVAR Mina Array, AHID Auburn Hatcher, IM3 Indian Mountai, BW06 Boulder Array, PDAR Pinedale Array, DUG Dugway, R11A Troy Canyon, C, TOLK Toolik Lake Re, GRAC Grapevine Rang, CWC Cottonwood Cre, VES Vestal Richgr, TPNV Topopah Spring, DAC Darwin (Calif), FURC Furnace Creek, ISA Isabella, Lake, MPMC Manual Prospec, PKM Mchpherson Park.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like K22A Casper, LRMC Laurel Mtn Rad, SHOC Shoshone Teco, GSC Goldstone, RSSD Black Hills, RSSD Black Hills, O20A White River Ci, SCZ2 Santa Cruz Isl, HEQ Turquoise Moun, TUC Uctor Ludlow, BFSC Mount Baldy Ra, BBRO Big Bear Solar, MDND Maddock, N23A Red Feather La, GMRC Granite Mounta, NEE2 Needles Airpor, BELC Belle Mtn. Jos, PFO Pinyon Flats O, PTFO Pinon Flats, IRM Iron Mountain, FRD Ford Ranch, AN, PDMCI Parker Dam, Lak, B03C Big Truckwall, 109C Camp Elliot, M, WUAZ Wupatki, MVCO Mesa Verde, MVCO Mesa Verde, Y12C Blythe, ULM Lac du Bonnet, MONP2 Monument Peak, IKP In-Ko-Pah, Jac, S22A 4UR Ranch, Cre, Q24A Divide, GLA Glamis, AGMN Agassiz Nation, OGN Ogalalla, SDCO Great Sand Dun, KSCO Kaye Shedlock, T25A Trinidad, 214A Organ Pipe Nat, ANMO Albuquerque, ANMO Albuquerque, TUC Tucson, TUC Tucson, F37A Hinrichs Farm, 121A Cookes Peak, D, MNTX Cortinas Mount, WMOK Wichita Mounta, Q41A Truxton, TXAR Lajitas Array, R41A Rosebud, U39A Green Forest, V39A Pettiberg, R40A Yellville, Q43A New Douglas, W39A Magazine, V41A Mountainview, S43A Fulton Ridge, P45A Graceland, Par, R47A Wooly Knot Far, S48A Wiedeman Farm, U50A Jamestown, SEY Seymchan, NRK Norak, H11N2 WAKE ISLAND Hy 57.04 259, H11N3 WAKE ISLAND Hy 57.05 259, H11N1 WAKE ISLAND Hy 57.05 259, H11S1 WAKE ISLAND Hy 58.10 259, H11S2 WAKE ISLAND Hy 58.11 259, H11S3 WAKE ISLAND Hy 58.12 259, NB2 NORASR Subarra, NOA NORASR Array B, ZALV Zalevok Beam, KHC Kasperske Hory, AKAS Malin Array Be, MKAR Makanchi Array, ESDC Sonseca Array, LPAZ La Paz, ADC 28 08:48:50.0z 0.1, 52.56N; 132.93W, h0km, mb4.1/7, mb1 4.4/10, mb1mx4.0/45, mbtmp4.1/10, ML3.7/3, MS4.4/11, Ms1 4.4/1, ms1mx3.2/42, Error ellipse: s-maj=28.9km s-min=10.8km az=106.0, ISCJB 28 08:48:52.0z 0.6, 52.68N; 0.05, 132.6W; 0.1, h18km, mb4.4/32, MS4.4/1, Error ellipse: s-maj=13.5km

s-min=4.6km az=152.3
NEIC 28 08:48:52.1,0.3,52.69N-132.72W,h10km,mb4.4/35,
Error ellipse: s-maj=8.1km s-min=3.0km az=59.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like DAWSON INLET T-P, VAN INLET T-P, Dease Lake, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Bella Bella, Wrangell Island, Sitka, Dease Lake, etc.

Table for Charlotte Islands region with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Bella Bella, Eielson Array, etc.

Table for IDC 28 09:00:23.3,2.9,52.90N-132.18W,h0km,mb3.4/2,
mb1 3.6/4,mb1mx3.4/4,mbtmp3.2/4,ML3.5/2,Error
ellipse: s-maj=17.4km s-min=30.9km az=48.0, Queen
Charlotte Islands region

Table for RSNC 28 09:01:17.9,0.7,5.20N-73.01W,h0km,6km,ML3.8,Mw3.9,
Colombia

Table for YOPC Yopal, Colombia, RUSC La Rusia, etc.

Table for GUC 28 09:01:40.0,0.6,20.40S-69.03W,h111km,6km,ML3.0,
4C-1D, Northern Chile

Table for PB01 IPOC Station P, etc.

Table for IDC 28 09:04:14.6,13.0,3.89N-125.14E,h75km,133km,mb3.6/7,
s-maj=56.5km s-min=19.2km az=80.0, Talud Islands

Table for FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

Table for IDC 28 09:05:00.4,1.3,52.09N-131.38W,h0km,mb3.5/2,
mb1 3.8/8,mb1mx3.6/48,mbtmp3.5/8,ML3.4/6,Error
ellipse: s-maj=18.1km s-min=10.0km az=7.0,
ISCJB 28 09:05:02.7,1.3,52.2N,0.1,131.3W,0.3,h23km,mb3.4/2,
Error ellipse: s-maj=28.4km s-min=11.1km az=147.0,
ISC 28 09:05:02.8,1.4,52.02N,0.1,131.4W,0.2,h23km,n9,
s=122.9, Queen Charlotte Islands region

Table for BBV Bella Bella, LENL Lemitar, etc.

IDC 28 08:54:35.3,1.4,52.43N-132.45W,h0km,mb3.8/5,
mb1 4.1/11,mb1mx3.8/53,mbtmp3.8/11,ML3.6/6,Error
ellipse: s-maj=22.5km s-min=8.8km az=68.0,
ISCJB 28 08:54:37.1,0.4,52.54N,0.0,132.3W,0.1,h18km,
mb4.1/26,Error ellipse: s-maj=10.1km s-min=3.6km
az=149.8,
NEIC 28 08:54:38.4,0.2,52.58N-132.10W,h10km,mb4.1/43,
Error ellipse: s-maj=6.9km s-min=2.6km az=57.0

IDC 28 08:56:23.0,1.7,52.15N-132.57W,h0km,mb3.6/2,
mb1 3.9/4,mb1mx3.5/49,mbtmp3.6/4,ML3.9/1,Error
ellipse: s-maj=46.4km s-min=14.6km az=6.0, Queen

IDC 28 09:11:27.6,2.7,5.15S-133.28E,h0km,mb3.7/1,
mb1 3.9/5,mb1mx3.6/48,mbtmp3.7/5,ML3.6/4,MS3.7/1,
Ms1 3.7/1,ms1mx2.9/38,Error ellipse: s-maj=102.4km
s-min=25.8km az=80.0, Aru Islands region

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

ISCJB 28 09:12:12.9.0.5.34.01N.0.03.28.51E.0.05.h33km, Error ellipse: s-maj=5.8km s-min=3.7km az=161.3

HLW 28 09:12:14.9.34.50N.28.31E.h6km, MD3.3

DDA 28 09:12:14.9.34.50N.28.31E.h6km, MD3.2

GJJ 28 09:12:20.6.0.1.33.73N.28.79E.h30km, MD3.2

ISC 28 09:12:19.2.1.32.97N.0.04.28.31E.0.05.h35km, n28, e232/42, Eastern Mediterranean Sea

Main table section 1 with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like AKAS, DAT, TURN, GOLH, TAVA, SLUM, HBRC, DNZL, CSS, KOT, GLL, SWAZ, RSH, SUZ, OFRI, MMA0B, AMAZ, MMLI, HNKL, HNKL, HMDT, YTRR, DSI, PRNI, PRRI, HFRF, HRFI, MBRI, EIL, HKAT.

IDC 28 09:13:12.2.1.1.53.38N.131.99W, h0km, mb3.8/2, mb1.3.8/4, mb1mx3.4/52, mbtmp3.6/4, ML4.0/1, Error ellipse: s-maj=22.9km s-min=6.8km az=151.0, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like H02S1, H02S1, H02N1, DLBC, ILAR, PDAR, TXAR, KURBB, MKAR.

IDC 28 09:14:18.7.2.1.51.99N.132.87W, h0km, mb3.7/2, mb1.4.0/6, mb1mx3.6/55, mbtmp3.7/6, ML3.5/4, Error ellipse: s-maj=42.8km s-min=21.0km az=74.0

ISCJB 28 09:14:19.5.1.7.52.1N.0.1.132.5W.0.4.1, h10km, mb3.6/2, Error ellipse: s-maj=35.0km s-min=13.6km az=161.6

ISC 28 09:14:20.1.1.4.52.0N.0.1.132.7W.0.2.h10km, n7, e110/7, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DLBC, YKA, ILAR, NVAR, PDAR, TXAR, KURBB.

ISCJB 28 09:15:44.0.0.2.52.32N.0.03.131.90W.0.06, h10km, mb4.2/44, Error ellipse: s-maj=6.2km s-min=2.7km az=142.5

IDC 28 09:15:44.1.0.8.52.36N.131.73W, h0km, mb3.9/8, mb1.4.2/15, mb1mx3.9/57, mbtmp4.0/15, ML3.7/7, Error ellipse: s-maj=15.8km s-min=7.3km az=38.0

NEIC 28 09:15:46.2.0.3.52.28N.131.91W, h10km, mb4.2/83, Error ellipse: s-maj=8.0km s-min=3.0km az=50.0

ISC 28 09:15:46.1.0.5.52.36N.0.07.131.70W.0.06, h10km, n260, e137/264, mb4.3/42, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like H02S1, H02S1, BBB, BBB, CRAG, WRAK, SIT, JIS, DLBC.

Table with columns: DLBC, PGC, NLWA, E03A, L03N, L03P, B08A, PCA, COR, C09A, D05A, H04A, NEW, NEW, I03D, I04A, J01E, E09A, KEBM, G08A, K02D, J04D, PKE, KIBO, HUHO, F10A, J05D, L02E, L04D, KLU, KRMB, K05A, JMTT, YBH, YBH, YBH, YBH, HARP, M02C, M04C, J08A, SCM, KHMM, MSO, MSO, N02D, BRD, M0L, RC01, GHO, KMRM, WDC, O02D, YKA, RND, RLMT, SKT, HLD, HLD, MCK, MCMT, ORV, ILAR, ILB, ILB, BEKR, BOZ, BOZ, TRF, WRH, CCB, BWN, PPLA, MDM, PAHR, AFDM, QLMT, QLMT, CAST, BPWA, VCNR, VCNR, BMN, YHB, YHB, SVWZ, PNTR, PNTR, YHH, YMR, GCMT, GCMT, YERR, MLY, IMW, WAKR, FXWY, KVN, KVN, CMB, MOOW, RLMT, RLMT, RLMT, YERR, RYN, RYN, LOHW, SNOW, REDW, NV01, NV01, NV11, AHID, BGU, MDPB, OMMB, HWUT.

Table with columns: NEW, I03D, I04A, J01E, E09A, KEBM, G08A, K02D, J04D, PKE, KIBO, HUHO, F10A, J05D, L02E, L04D, KLU, KRMB, K05A, JMTT, YBH, YBH, YBH, YBH, HARP, M02C, M04C, J08A, SCM, KHMM, MSO, MSO, N02D, BRD, M0L, RC01, GHO, KMRM, WDC, O02D, YKA, RND, RLMT, SKT, HLD, HLD, MCK, MCMT, ORV, ILAR, ILB, ILB, BEKR, BOZ, BOZ, TRF, WRH, CCB, BWN, PPLA, MDM, PAHR, AFDM, QLMT, QLMT, CAST, BPWA, VCNR, VCNR, BMN, YHB, YHB, SVWZ, PNTR, PNTR, YHH, YMR, GCMT, GCMT, YERR, MLY, IMW, WAKR, FXWY, KVN, KVN, CMB, MOOW, RLMT, RLMT, RLMT, YERR, RYN, RYN, LOHW, SNOW, REDW, NV01, NV01, NV11, AHID, BGU, MDPB, OMMB, HWUT.

Table with columns: NEW, I03D, I04A, J01E, E09A, KEBM, G08A, K02D, J04D, PKE, KIBO, HUHO, F10A, J05D, L02E, L04D, KLU, KRMB, K05A, JMTT, YBH, YBH, YBH, YBH, HARP, M02C, M04C, J08A, SCM, KHMM, MSO, MSO, N02D, BRD, M0L, RC01, GHO, KMRM, WDC, O02D, YKA, RND, RLMT, SKT, HLD, HLD, MCK, MCMT, ORV, ILAR, ILB, ILB, BEKR, BOZ, BOZ, TRF, WRH, CCB, BWN, PPLA, MDM, PAHR, AFDM, QLMT, QLMT, CAST, BPWA, VCNR, VCNR, BMN, YHB, YHB, SVWZ, PNTR, PNTR, YHH, YMR, GCMT, GCMT, YERR, MLY, IMW, WAKR, FXWY, KVN, KVN, CMB, MOOW, RLMT, RLMT, RLMT, YERR, RYN, RYN, LOHW, SNOW, REDW, NV01, NV01, NV11, AHID, BGU, MDPB, OMMB, HWUT.

Table with columns: NEW, I03D, I04A, J01E, E09A, KEBM, G08A, K02D, J04D, PKE, KIBO, HUHO, F10A, J05D, L02E, L04D, KLU, KRMB, K05A, JMTT, YBH, YBH, YBH, YBH, HARP, M02C, M04C, J08A, SCM, KHMM, MSO, MSO, N02D, BRD, M0L, RC01, GHO, KMRM, WDC, O02D, YKA, RND, RLMT, SKT, HLD, HLD, MCK, MCMT, ORV, ILAR, ILB, ILB, BEKR, BOZ, BOZ, TRF, WRH, CCB, BWN, PPLA, MDM, PAHR, AFDM, QLMT, QLMT, CAST, BPWA, VCNR, VCNR, BMN, YHB, YHB, SVWZ, PNTR, PNTR, YHH, YMR, GCMT, GCMT, YERR, MLY, IMW, WAKR, FXWY, KVN, KVN, CMB, MOOW, RLMT, RLMT, RLMT, YERR, RYN, RYN, LOHW, SNOW, REDW, NV01, NV01, NV11, AHID, BGU, MDPB, OMMB, HWUT.

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Table with columns: IM3, BW06, BW06, PD31, PDAR, PDAR, FFC, DUG, DGM, R11A, R11A, TIN, GRAC, PAGB, PSUT, CWC, VES, TPNV, TPNV, DAC, FURC, ISA, ISA, MPMC, MSU, PKM, CCUT, LRMC, SHPR, SZCU, SRU, SRU, MTPU, SHOC, EDW2, GSC, GSC, LCMT, O20A, O20A, TUQ, RRX, DECC, MWC, PASC, HEC, BFSC, PV09, PV09, N23A, N23A, PV21, BBRC, GMRC, U15A, PV22, PV22, ANM, PV11, PV18, PV18, PV03, PV13, PV02, W13A, PV01, BELC, SMCO, SC12, PFO, PFO, TPFO, IRM, FRD, PDMCI, BC3, BC3, CPE, WUAZ, WUAZ, MVCO, MVCO, Y12C, Y12C, MONP2, BAR, BAR, SWSC.

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28d 9h

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like SPUT, SAO, MDPB, OMMB, etc.

2012 OCT

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like BRX, RLX, DECC, MWC, etc.

1366

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Q24A, Y14A, GLA, etc.

1367

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like WMOK Wichita Mountain, WMOK, N414 Harden Midland, etc.

2012 OCT

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like Z42A Norrel Spur, VLDQ Val d'Or, WLDQ Val d'Or, etc.

28d 9h

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like 250A Grady, 250A Grady, BLA Blackburg, etc.

PAHR		eP	P	09 40 19.4 +0.7	CCUT Cedar City	19.80 131 eP	P	09 41 07.8 +0.6	113A Mohawk Valley,	23.67 139 eP	P	09 41 48.2 +0.1
SVW2 Sparrevohn	15.48 314 ePn	Pn		09 40 14.0 -0.8	SHPR Sheep Range	19.87 136 eP	P	09 41 08.1 +0.1	X18A Snowflake	23.86 130 eP	P	09 41 50.4 +0.2
AFDM Forest Hills D	15.49 146 ePn	Pn		09 40 13.6 -1.5	SZCU Shurt Canyon	19.90 130 eP	P	09 41 08.6 +0.4	KSCO Kaye Shedlock*	24.36 111 eP	P	09 41 55.6 +0.9
AFDM	14m,0.9s	eP	P		SHOC Shoshone, Teco	19.93 139 P	P	09 41 09.3 +0.8	KSCO Kaye Shedlock*	24.36 111 P	P	09 41 55.9 +1.3
QLMT Earthquake Lak	15.60 111 ePn	Pn		09 40 20.1 +0.6	MTPU Mount Pierson	19.97 128 eP	P	09 41 08.5 -0.7	T25A Trinidad	24.68 117 eP	P	09 41 59.5 +1.8
QLMT		ePn	Pn	09 40 22.3 +1.5	SRU San Rafael Swe	19.98 123 eP	P	09 41 08.6 -0.5	T25A Trinidad	24.68 117 P	P	09 41 59.2 +1.5
VCNR Virginia City	15.66 142 ePn	Pn		09 40 16.4 -1.2	OSI Oslo Audit: C	20.17 146 eP	P	09 41 10.8 -0.3	214A Organ Pipe Nat	24.77 138 P	P	09 41 58.5 +0.2
VCNR		ePn	Pn	09 40 22.5 +0.9	EDW2 Edwards Air Fo	20.18 144 P	Pn	09 41 12.5 -0.7	ECSD EROS Data Cent	25.05 96 eP	P	09 42 00.3 -0.4
FYU Fort Yukon	15.67 340 ePn	Pn		09 40 17.8 +0.6	GSC Goldstone, Bar	20.25 141 eP	P	09 41 12.5 +0.5	ECSD EROS Data Cent	25.05 96 P	P	09 42 02.0 +1.3
FYU	35m,1.2s	eP	P		GSC Goldstone, Bar	20.25 141 Pn	Pn	09 41 13.3 -0.7	ANMO Albuquerque	25.25 123 P	P	09 42 02.6 -0.2
BMN Battle Mountai	15.71 133 ePn	Pn		09 40 23.9 +2.6	LCMT Little Creek M	20.30 132 eP	P	09 41 13.4 +0.9	ANMO Albuquerque	25.25 123 eP	P	09 42 02.3 -0.5
BMN		ePn	Pn	09 40 16.8 -1.4	RSSD Black Hills	20.35 103 eP	P	09 41 14.1 +0.9	ANMO Albuquerque	25.25 123 P	P	09 42 02.7 -0.1
YHB Horse Butte	15.78 111 ePn	Pn		09 40 22.8 +0.7	RSSD Black Hills	20.35 103 Pn	Pn	09 41 14.5 -0.7	TUC Tucson	25.34 134 eP	P	09 42 03.6 +0.2
YHB	12m,0.9s	ePn	Pn	09 40 17.8 -1.3	PKCU Pink Cliffs	20.39 129 eP	P	09 41 15.1 -0.6	TUC Tucson	25.34 134 P	P	09 42 03.6 +0.2
PNTR Pine Nut	15.86 142 ePn	Pn		09 40 19.4 -0.8	O20A White River Ci	20.45 117 eP	P	09 41 15.1 +0.9	LAZ Ladron	25.34 125 eP	P	09 42 04.5 +1.0
PNTR	15m,0.7s	ePn	Pn		O20A White River Ci	20.45 117 Pn	Pn	09 41 15.5 -0.8	ATKA Atka Island	25.61 287 eP	P	09 42 04.5 +0.1
MLY Manley	15.87 330 ePn	Pn		09 40 19.8 -0.1	TUQ Turquoise Moun	20.48 139 P	Pn	09 41 16.0 -0.7	LENN Lemlar	25.61 125 eP	P	09 42 05.8 -0.2
MLY	15m,0.8s	ePn	Pn		KNB Kanab	20.49 131 eP	P	09 41 14.8 +0.1	LPM Los Pinos Moun	25.76 125 eP	P	09 42 06.7 +0.2
YHH Holmes Hill	15.96 110 ePn	Pn		09 40 21.3 -0.1	UNV Unalaska Valle	20.57 288 eP	Pn	09 41 16.8 -0.7	BNN Barren Site	25.79 125 eP	P	09 42 07.9 +0.1
YHH		ePn	Pn	09 40 25.8 +0.9	MWC Mount Wilson	20.75 145 eP	P	09 41 12.5 -0.5	EYMN Ely	26.16 83 eP	P	09 42 11.2 +0.5
YMR Madison River	15.96 110 ePn	Pn		09 40 21.5 +0.1	PASC Pasadena Art C	20.76 146 eP	P	09 41 17.2 -0.2	EYMN Ely	26.16 83 P	P	09 42 11.3 +0.5
YMR	12m,1.0s	eP	P		HEC Hector,Ludlow	20.85 141 P	P	09 41 19.1 +0.7	EYMN Ely	26.16 83 P	P	09 42 11.5 +0.6
INK Inuvik	16.02 358 eP	P		09 40 23.9 -1.2	BFSC Mount Baldy Ra	20.88 144 P	P	09 41 19.5 +0.6	121A Cooks Peak, D	26.53 129 P	P	09 42 15.0 +0.6
INK	0.1m,0.3s,baz=146,slow=17,SNR=3.1	LR	LR	09 46 55.9	LDFC Landfair	21.12 138 eP	P	09 41 21.2 -0.2	319A Douglas	26.80 133 eP	P	09 42 19.4 +2.7
INK	comp=2,1um,21.1s,baz=168,slow=37	LR	LR	09 40 20.7 -1.0	BBRC Big Bear Solar	21.13 143 P	P	09 41 22.4 +0.7	F38A Pierce - Schro	26.82 88 P	P	09 42 20.4 +3.6
GCMT Greycliff	16.09 105 ePn	Pn		09 40 22.7 -0.2	GMRC Granite Mounta	21.15 140 P	P	09 41 22.2 +0.8	RES Resolute Bay	26.98 21 LR	LR	09 52 43.3
GCMT		ePn	Pn	09 40 28.6 +2.4	PV09 Paradox Valley	21.16 122 eP	P	09 41 22.8 +0.8	F38A Pierce - Schro	26.98 21 LR	LR	09 52 43.3
YERR Yerington	16.09 141 ePn	Pn		09 40 23.4 +0.3	PV21 Cone Mtn., Par	21.19 121 eP	P	09 41 23.4 +1.1	RES Loretta	27.43 87 P	P	09 42 23.7 +1.5
YERR	18m,1.1s	ePn	Pn		N23A Red Feather La	21.21 112 eP	P	09 41 23.5 +1.0	EPT El Paso	27.77 128 eP	P	09 42 25.1 -0.4
YPP Pitchstone Pla	16.29 111 ePn	Pn		09 40 24.7 -1.0	N23A Red Feather La	21.21 112 P	P	09 41 22.7 +0.2	AMTX Amarillo	27.84 117 eP	P	09 42 25.9 -0.1
H17A Grant Village	16.35 111 ePn	Pn		09 40 28.2 -1.0	U15A North Rim	21.21 131 eP	P	09 41 17.4 -5.2	AMTX Amarillo	27.84 117 P	P	09 42 25.3 -0.7
LKWY Lake	16.35 110 ePn	Pn		09 40 27.2 +0.8	PHWY Pilot Hill	21.22 111 eP	P	09 41 23.3 +0.7	MSTX Muleshoe	27.93 120 P	P	09 42 27.6 +0.7
LKWY	22m,0.7s	ePn	P		MDND Maddock	21.24 89 eP	P	09 41 22.2 -0.3	I39A Houston	28.10 91 eP	P	09 42 29.4 +1.2
WAKR Walker	16.44 142 ePn	Pn		09 40 30.2 +0.1	PV23 Carpenter Ridg	21.25 122 eP	P	09 41 23.1 +0.1	J39A Decora	28.27 92 P	P	09 42 30.6 +0.9
IMW Indian Meadow	16.45 113 ePn	Pn		09 40 27.0 -0.7	PV10 Paradox Valley	21.30 122 eP	P	09 41 23.6 +0.1	MNTX Cornudas Mount	28.38 126 eP	P	09 42 31.2 +0.4
FLWY Flag Ranch	16.47 112 ePn	Pn		09 40 29.4 -1.1	PV14 Lion Creek, Pa	21.31 122 eP	P	09 41 23.7 +0.1	MNTX Cornudas Mount	28.38 126 P	P	09 42 30.9 +0.1
FLWY	29m,1.4s	ePn	Pn		PV22 Blue Mesa, Par	21.31 121 eP	P	09 41 23.6 +0.1	JFWS Jewell Farm	29.39 92 eP	P	09 42 40.5 +0.9
KVN Kaiserville	16.49 138 ePn	Pn		09 40 25.9 -2.2	PV20 West Nyswonger	21.36 122 eP	P	09 41 24.6 +0.6	JFWS Jewell Farm	29.39 92 P	P	09 42 40.0 +0.3
KVN		ePn	Pn	09 40 29.2 -1.5	PV19 Morning Glory	21.38 122 eP	P	09 41 24.5 +0.3	WMOK Wichita Mounta	29.55 113 eP	P	09 42 41.4 +0.2
CMB Columbia Colle	16.51 146 ePn	Pn		09 40 28.7 +0.4	PV16 Nyswonger Mesa	21.41 122 eP	P	09 41 25.1 +0.5	WMOK Wichita Mounta	29.55 113 P	P	09 42 40.9 -0.3
CFWY Fox Creek	16.56 113 ePn	Pn		09 40 28.4 -0.6	PV17 East Wray Mesa	21.41 122 eP	P	09 41 25.3 +0.7	N41A Harden Midland	30.29 96 eP	P	09 42 48.1 +0.5
MOOW Moose Ponds	16.65 113 ePn	Pn		09 40 30.1 0.0	PV11 David Mesa, Pa	21.44 122 eP	P	09 41 25.1 +0.2	TUL1 Leonard	30.43 108 eP	P	09 42 48.9 0.0
RYN Ryan	16.68 140 ePn	Pn		09 40 31.4 +0.9	PV18 Skein Mesa, Pa	21.46 122 eP	P	09 41 24.8 -0.4	T38A Diamond	30.55 105 P	P	09 42 50.2 +0.3
RYN	21m,1.0s	ePn	Pn		PV12 Saucer Basin,	21.46 122 eP	P	09 41 25.1 -0.1	O41A Passleys Farm,	30.63 97 P	P	09 42 50.6 0.0
RLMT Red Lodge	16.69 107 ePn	Pn		09 40 34.9 +1.9	PV03 Paradox Valley	21.49 122 eP	P	09 41 25.5 +0.4	ABTX Abilene, Hawle	30.65 117 eP	P	09 42 51.1 +0.3
RLMT	49m,1.4s	ePn	P		PV05 Paradox Valley	21.49 123 eP	P	09 41 25.9 +0.4	Q41A Truxton	31.14 99 P	P	09 42 55.5 +0.4
TPAW Teton Pass	16.69 114 ePn	Pn		09 40 36.2 +3.1	PV13 Radium Mtn., P	21.57 122 eP	P	09 41 26.2 -0.2	TX31 Lajitas Ar. Si	31.16 126 eP	P	09 42 55.2 -0.3
LOHW Long Hollow	16.81 113 ePn	Pn		09 40 32.7 +0.5	PV02 Paradox Valley	21.58 122 eP	P	09 41 26.5 0.0	LTX Lajitas	31.16 126 eP	P	09 42 56.1 +0.6
SNOW Snow King Moun	16.82 113 ePn	Pn		09 40 37.2 +2.8	W13A Hualapai Mount	21.61 136 eP	P	09 41 27.1 +0.3	TXAR Lajitas Array	31.16 126 P	P	09 42 56.1 +0.6
SNOW	16m,0.8s	ePn	P		BELC Belle Mtn, Jos	21.71 141 P	P	09 41 28.2 +0.5	R41A Rosebud	31.46 100 P	P	09 42 58.2 +0.2
REDW Red Top Meadow	16.83 114 ePn	Pn		09 40 33.7 -0.8	PV01 Paradox Valley	21.72 122 eP	P	09 41 28.3 +0.3	U39A Green Forest	31.47 105 P	P	09 42 57.7 -0.3
HVU Hansel Valley	16.86 121 ePn	Pn		09 40 32.9 +0.2	SC12 San Clemente I	21.72 148 P	P	09 41 27.2 -0.5	X37A Clayton	31.61 110 eP	P	09 42 59.8 +0.5
NV01 Mina Array Sit	16.94 140 ePn	Pn		09 40 34.8 +1.0	SMCO Snowmass	21.81 117 eP	P	09 41 29.6 +0.5	CCM Cathedral Cave	31.70 100 eP	P	09 42 59.7 -0.3
NVAR Mina Array Bea	16.94 140 ePn	Pn		09 40 34.7 +0.8	PFO Pinyon Flats O	21.88 143 eP	P	09 41 28.9 -0.7	CCM Cathedral Cave	31.70 100 P	P	09 43 00.2 +0.2
NVAR	0.3m,0.3s,baz=323,slow=11,SNR=14	LR	LR	09 46 26.6	PFO Pinyon Flats O	21.88 143 P	P	09 41 29.5 -0.1	S41A Jilco Farms,	31.70 102 P	P	09 42 59.3 -0.8
NVAR	comp=2,845nm,21.1s,baz=327,slow=35	LR	LR	09 46 26.6	XPFO Pison Flat	21.88 143 eP	P	09 41 28.9 -0.7	V39A Pettigrew	31.74 106 P	P	09 43 00.6 +0.1
NV11 Mina Array Sit	17.00 140 ePn	Pn		09 40 35.7 -0.6	TPFO Pinon Flats	21.89 143 P	P	09 41 29.4 -0.2	P43A Skaggs, Pawnee	31.75 96 P	P	09 43 00.6 +0.1
AHID Auburn Hatcher	17.08 116 eP	P		09 40 37.6 +0.4	IRM Iron Mountain	21.91 139 P	P	09 41 29.8 +0.1	R42A Luebbering	31.83 100 P	P	09 43 01.2 0.0
MDPB Devils Postpil	17.34 143 ePn	Pn		09 40 39.8 -0.4	FRD Fort Ranch, An	21.93 143 eP	P	09 41 29.9 -0.2	U40A Yellville	31.86 104 P	P	09 43 01.1 -0.3
BGU Big Grassy Mou	17.34 124 eP	P		09 40 39.9 -0.3	ISCO Ideal Springs	22.13 114 P	P	09 41 34.9 +6.9	W39A Magazine	32.10 107 eP	P	09 43 03.2 -0.4
OMMB Old Mammoth Mi	17.38 143 eP	Pn		09 40 40.7 -0.1	PDMCI Parker Dam,Lak	22.19 137 P	P	09 41 32.8 +0.1	S42A Caledonia	32.16 100 P	P	09 43 03.4 -0.6
IM3 Indian Mountai	17.44 330 eP	Pn		09 40 38.0 -1.6	109C Camp Elliot, M	22.30 145 P	P	09 41 33.8 -0.2	HPIG	32.22 132 eP	P	09 43 05.5 +0.5
HWUT Hardware Ranch	17.62 119 eP	Pn		09 40 42.8 -0.4	CPE Camp Elliot	22.30 145 eP	P	09 41 33.6 -0.3	JCT Junction City	32.22 120 eP	P	09 43 04.2 -0.6
LAO LASA Array	17.70 98 ePn	Pn		09 40 44.4 +0.4	WUAZ Wupatki	22.39 131 eP	P	09 41 35.5 +0.4	JCT Junction City	32.22 120 P	P	09 43 04.2 -0.6
BW06 Boulder Array	17.94 113 ePn	Pn		09 40 44.8 -1.5	WUAZ Wupatki	22.39 131 P	P	09 41 36.0 +0.9	V40A Witts Springs	32.25 105 eP	P	09 43 05.3 +0.4
BW06	15m,0.8s	ePn	Pn		MVCO Mesa Verde	22.46 123 eP	P	09 41 36.0 +0.2	V40A Witts Springs	32.25 105 P	P	09 43 04.6 -0.4
PD31 Pinedale Array	17.94 113 ePn	Pn		09 40 44.6 -1.6	MVCO Mesa Verde	22.46 123 P	P	09 41 36.1 +0.2	W40A Fernow Farm,	32.53 106 eP	P	09 43 07.7 +0.3
PDAR Pinedale Array	17.94 113 ePn	Pn		09 40 44.3 -1.1	Y12C Blythe	22.51 139 eP	P	09 41 36.5 +0.4	W40A Mountainview	32.64 104 P	P	09 43 07.9 -0.6
PDAR	0.1m,0.3s,baz=302,slow=6,SNR=9.9	ePn	Pn		MONP2 Monument Peak	22.54 144 P	P	09 41 36.6 +0.4	MIAR Mount Ida	32.68 108 eP	P	09 43 09.1 +0.4
DUG Dugway, Tooele	18.00 125 ePn	Pn		09 40 46.2 -0.7	ULM Lac du Bonnet	22.62 81 eP	P	09 41 34.6 -2.7	MIAR Mount Ida	32.68 108 P	P	09 43 08.8 +0.1
DUG	16m,1.1s	ePn	Pn		ULM Lac du Bonnet	22.62 81 P	P	09 50 58.6	S43A Fulton Ridge,	32.72 100 P	P	09 43 08.5 -0.5
DUG	baz=319,SNR=16	ePn	Pn		ULM	comp=2,2um,19.2s,baz=300,slow=39	LR	LR	P45A Graceland, Par	32.90 95 eP	P	09 43 09.9 -0.7
FFC Flin Flin	18.02 70 eP	Pn		09 40 46.4 -0.4	ULM	21m,0.8s	P	09 41 37.3 -0.3	P45A Graceland, Par	32.90 95 P	P	09 43 10.6 0.0
TCUT Toone Canyon	18.05 120 ePn	Pn		09 40 46.9 -0.7	IKP In-Ko-Pah, Jac	22.87 143 P	P	09 41 40.1 -0.1	W41B Gary Mavity, V	33.02 105 eP	P	09 43 11.9 +0.2
R11A Troy Canyon, C	18.15 134 ePn	Pn		09 40 49.1 +0.1	S22A 4UR Ranch, Cre	22.93 120 eP	P	09 41 41.8 +0.9	S44A Carbendale	33.13 99 eP	P	09 43 12.1 -0.6
R11A	baz=326,SNR=14	ePn	Pn		S22A 4UR Ranch, Cre	22.93 120 P	P	09 41 41.8 +0.9	OL41 Olney	33.18 96 eP	P	09 43 13.9 +0.9
CTM Camp Tracy	18.15 132 ePn	Pn		09 40 50.6 +1.3	Q24A Divisadero	22.97 115 eP	P	09 41 43.1 +1.8	P47A Martinsville	33.83 94 P	P	09 43 18.7 +0.1
DGMT Dagmar	18.18 91 ePn	Pn		09 40 47.9 -1.0	Y14A Wickenburg	22.98 136 eP	P	09 41 41.3 +0.1	BLO Bloomington	33.87 94 eP	P	09 43 20.1 +1.1

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error, Azimuth Rate Error, Elevation Rate Error. Includes stations like U50A Jamestown, N54A Moraine State, TS1A Gray, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like LZH, AAK, KK31, etc.

MEX 28 09:38:21.0-0.6, 16:30N-97.97W, h4km, i10km, MD3.6, Oaxaca

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like PNIG, PNIC, TLIG, etc.

ISC 28 09:40:36.0-1.2, 52:28N-132:04W, h0km, mb3.9/4, mb1 4.2/9, mb1mx3.8/73, mbtmp4.0/9, ML3.7/4, Error ellipse: s-maj=16.9km s-min=7.2km az=47.0

ISC/B 28 09:40:37.2-0.8, 52:48N-100:09:131.9W, i10km, h18km, mb3.8/4, Error ellipse: s-maj=15.5km s-min=7.1km az=37.2

PGC 28 09:40:37.5-1.1, 79N-131:68W, h1km, 162km south of Sandspit, Bc Haida Gwaii Region

ISC 28 09:40:38.5-1.0, 52:44N-101:131.93W, i10km, h18km, n12, e165/13, mb3.8/4, Queen Charlotte Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like H02S1, H02N1, H02N1, etc.

ISC 28 09:41:12.2-0.8, 52:28N-132:30W, h0km, mb4.0/12, mb1 4.2/19, mb1mx4.0/74, mbtmp4.0/19, ML3.9/7, Error ellipse: s-maj=17.3km s-min=9.9km az=25.0

NEIC 28 09:41:15.8-0.3, 52:08N-132:24W, h10km, mb4.2/85, Error ellipse: s-maj=10.3km s-min=2.5km az=53.0

ISC 28 09:41:14.2-0.5, 52:38N-107:132.05W, i10km, h18km, n169, e173/162, mb4.3/51, Queen Charlotte Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like H02S1, H02N1, H02N1, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like COLA College, BOZ Bozeman (W), PPLA Pine Nut, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ANMO Albuquerque, TUC Tubucon, BNM Barren Site, etc.

ISCJB 28 09:43:44.4.0.9.52:20N:0.09:131.8W:0.1, h10km, mb3.6/4, Error ellipse: s-maj=16.4km s-min=7.5km, az=43.5

IDC 28 09:43:44.1.4.1.52:20N:131.75W, h0km, mb3.7/4, mb1.4/0.8, mb1mx3.6/69, mbtmp3.7/8, ML3.8/3, Error ellipse: s-maj=25.5km s-min=8.1km az=49.0

ISC 28 09:43:45.7.1.3.52:22N:0.1:131.7W:0.1, h10km, n10, o#77711, mb3.7/4, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

ISCJB 28 09:44:04.6.0.4.36:53N:0.03:141.00E:0.05, h53km, 3km, mb4.3/43, Error ellipse: s-maj=6.3km s-min=4.2km, az=15.5

NEIC 28 09:44:04.7.0.2.36:55N:140.98E, h35km, mb4.5/23, Error ellipse: s-maj=6.3km s-min=5.9km az=102.0

NEIC Reciprocal [3 JMA] in Ibaraki, JMA 28 09:44:06.0.0.1.36:54N:140.88E, h50km, 1m, M4.3 Broadband fault plane solution: P waves. NP1: 0.180, 0.00000, 0.850, 0.00000, 0.666, 0.00000, NP2: 0.35, 0.00000, 0.46, 0.00000, 0.115, 0.00000. Principal axes: T P1g72.00000, Azm23.00000, N P1g18.00000, Azm196.00000, P P1g2.00000, Azm287.00000

JMA Felt III J1, IDC 28 09:44:08.4.1.6.36:46N:140.86E, h73km, 15km, mb3.8/22, mb1.4/0.26, mb1mx3.8/68, mbtmp4.1/26 Error ellipse: s-maj=13.5km s-min=3.9km az=65.0

ISC 28 09:44:05.7.0.3.36:56N:140.44:141.00E:0.06, h44km, 7km, n101, #122/108, mb4.3/43, 1C-8D, Near east coast of eastern Honshu

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

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ASAJ Asahikawa, ASAJ Asaj, JNU Naktusue, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ANMO Albuquerque, TXAR Lajitas Array, etc.

28d 9h

JTMT	Jette	12.55 107	ePn	Pn	09 48 39.1 +3.3
KDAK	Kodiak Island	12.59 301	Pn	Pn	09 48 35.4 -0.8
	0.8nm,0.3s,baz=116,slow=7.9,SNR=10				
KDAK	comp=Z,749nm,18.6s,baz=109,slow=32		LR	LR	09 52 15.4
RC01	Rabbit Creek A	12.61 318	ePn	Pn	09 48 35.9 -0.6
BMO	Blue Mountains	12.64 123	ePn	Pn	09 48 41.0 +4.0
BMO	Blue Mountains	12.64 123	eP	Pn	09 48 41.0 +4.0
PMR	Palmer	12.66 321	ePn	Pn	09 48 37.2 +0.2
PMR	Palmer	12.69 322	ePn	Pn	09 48 37.3 +0.2
GHO	Glory Hole Cre	12.69 321	ePn	Pn	09 48 39.1 +1.5
SCRK	Sand Creek	12.75 336	ePn	Pn	09 48 39.7 +1.3
RIDG	Independ' e Rid	12.78 334	ePn	Pn	09 48 43.1 +4.4
NOWN	Norman Wells,	12.84 11	Pn	Pn	09 48 41.8 +2.3
OHAK	Old Harbor	12.84 298	ePn	Pn	09 48 39.2 -0.3
EGAK	Eagle Creek	12.85 343	ePn	Pn	09 48 40.4 +0.8
DHY	Dadell Highway	13.02 328	ePn	Pn	09 48 43.6 +1.5
M04C	Macdoel	13.08 143	P	P	09 48 48.4 -4.9
	baz=332				
J08A	Circle Bar Ran	13.17 130	ePn	Pn	09 48 48.3 +4.0
SUA	Susitna One	13.22 318	ePn	Pn	09 48 45.1 +0.2
MSO	Missoula	13.23 110	ePn	Pn	09 48 48.4 +3.3
YKA	Yellowknife Ar	13.49 37	Pn	Pn	09 48 45.8 -2.6
	0.7nm,0.3s,baz=224,slow=13,SNR=13				
YKBS	Yellowknife Ar	13.49 37	ePn	Pn	09 48 46.1 -2.3
YKWS	Yellowknife Ar	13.53 37	ePn	Pn	09 48 48.3 -0.6
YKWS	Yellowknife Ar	13.53 37	ePn	Pn	09 48 44.0 -4.9
MOD	Modoc Plateau	13.56 139	ePn	Pn	09 48 54.0 +4.3
RND	Reindeer	13.73 327	ePn	Pn	09 48 52.1 +0.4
RND	Reindeer	13.73 327	ePn	Pn	09 48 52.1 +0.4
EPYK	Eagle Plains	13.79 352	P	P	09 48 54.0 +1.5
	baz=163				
SKT	Skwentna	13.82 319	ePn	Pn	09 48 53.9 +1.0
HDA	Harding Lake	13.88 333	ePn	Pn	09 48 55.9 +2.2
MCK	McKinley	13.98 328	ePn	Pn	09 48 56.4 +1.3
MCK	McKinley	13.98 328	ePn	Pn	09 48 56.4 +1.3
ILAR	Eielson Array	14.14 334	Pn	Pn	09 48 57.0 -0.3
	0.2nm,0.3s,baz=158,slow=7.5,SNR=7.5				
ILAR	Eielson Array	14.14 334	P	P	09 48 57.0 -0.3
ILB	Eielson Array	14.14 334	ePn	Pn	09 49 01.1 -3.7
TRF	Thorofore Moun	14.24 326	ePn	Pn	09 48 59.9 +1.1
WRH	Wood River Hill	14.25 331	ePn	Pn	09 48 59.2 +1.0
WRH	Wood River Hill	14.25 331	ePn	Pn	09 49 05.6 -0.4
CCB	Clear Creek Bu	14.30 332	ePn	Pn	09 49 00.7 +1.2
CCB	Clear Creek Bu	14.30 332	eP	Pn	09 49 07.0 +0.5
PLLA	Purkeypile	14.59 322	ePn	Pn	09 49 04.7 +1.2
DLMT	Dillon	14.84 112	ePn	Pn	09 49 10.5 -2.4
CAST	Castle Rocks	14.85 329	ePn	Pn	09 49 08.2 +1.2
BPWA	Bear Paw Mtn.	14.90 327	ePn	Pn	09 49 07.5 -0.1
HLID	Hailey	15.03 121	ePn	Pn	09 49 13.4 -1.6
	13nm,1.1s				
MCMT	McKenzie Canyo	15.03 114	ePn	Pn	09 49 13.2 -1.9
EGMT	Eggleton	15.09 99	ePn	Pn	09 49 11.2 +0.8
	0.2nm,1.0s				
EGMT	Eggleton	15.09 99	P	Pn	09 49 11.2 +0.8
	baz=298				
SVW2	Sparrevohn	15.12 312	ePn	Pn	09 49 10.1 -0.5
	0.7nm,1.0s				
FYU	Fort Yukon	15.22 340	ePn	Pn	09 49 13.5 +1.6
	89nm,1.5s				
BOZ	Bozeman (W)	15.25 110	ePn	Pn	09 49 12.1 -0.5
BOZ	Bozeman (W)	15.25 110	ePn	Pn	09 49 12.1 -0.5
	comp=Z,12nm,0.8s				
BOZ	Bozeman (W)	15.25 110	P	Pn	09 49 12.3 -0.2
	baz=306				
MLY	Manley	15.45 330	ePn	Pn	09 49 15.7 +0.8
	comp=Z,10nm,0.8s				
INK	Inuvik	15.57 358	Pn	Pn	09 49 17.0 +0.7
	comp=Z,0.5nm,0.3s,baz=165,slow=17,SNR=12				
INK	Inuvik	15.57 358	ePn	LR	09 55 38.4
	comp=Z,793nm,20.2s,baz=182,slow=38				
INK	Inuvik	15.57 358	ePn	Pn	09 49 17.9 +1.6
	comp=Z,19nm,1.0s				
INK	Inuvik	15.57 358	Pn	Pn	09 49 14.8 -1.5
INK	Inuvik	15.57 358	eP	Pmax	09 49 17.9 +1.6
	comp=Z,1.9nm,1.0s				
QLMT	Earthquake Lak	15.82 112	ePn	P	09 49 24.3 +0.5
YHB	Horse Butte	16.00 112	ePn	P	09 49 27.4 +1.5
	comp=Z,29nm,1.2s				
YHH	Holmes Hill	16.18 111	ePn	P	09 49 28.2 +0.4
	comp=Z,28nm,1.4s				
YMR	Madison River	16.18 112	ePn	P	09 49 28.7 +0.8
	comp=Z,32nm,1.1s				
GCMT	Greycliff	16.27 107	ePn	P	09 49 31.1 +2.4
YERR	Yerington	16.48 142	ePn	P	09 49 30.9 -0.3
	comp=Z,24nm,1.5s				
H17A	Grant Village	16.57 112	ePn	P	09 49 31.6 -0.6
	comp=Z,34nm,3s				
IMW	Indian Meadow	16.68 114	ePn	P	09 49 34.2 +0.8
	comp=Z,24nm,1.1s				
FXWY	Fox Creek	16.80 115	ePn	P	09 49 37.4 +2.7
	comp=Z,19nm,1.1s				
KVN	Kaisererville	16.87 339	ePn	P	09 49 37.9 +2.5
	comp=Z,32nm,1.5s				
KVN	Kaisererville	16.87 339	eP	Pmax	09 49 37.9 +2.5
	comp=Z,32nm,1.5s				
RLMT	Red Lodge	16.88 108	ePn	P	09 49 38.5 +2.9
	comp=Z,34nm,1.3s				
RLMT	Red Lodge	16.88 108	P	P	09 49 38.4 +2.8
	baz=306				
MOOW	Moose Ponds	16.89 114	ePn	P	09 49 37.4 +1.8
	comp=Z,26nm,1.3s				
TPAW	Teton Pass	16.94 115	ePn	P	09 49 38.6 +2.3
	comp=Z,17nm,0.8s				
IM3	Indian Mountain	17.02 329	ePn	P	09 49 36.5 -0.2
LOHW	Long Hollow	17.05 114	ePn	P	09 49 39.0 +1.6
	comp=Z,22nm,1.4s				
SNOW	Snow King Moun	17.06 115	ePn	P	09 49 39.1 +1.5
	comp=Z,16nm,1.0s				
RYN	Ryan	17.07 141	ePn	P	09 49 40.5 +2.9
	comp=Z,11nm,1.0s				
REDW	Red Top Meadow	17.08 115	ePn	P	09 49 40.3 +2.6
	comp=Z,50nm,1.4s				
KUKN	Kugluktuk	17.18 22	Pn	Pn	09 49 37.4 +0.5
NV01	Mina Array St	17.33 141	P	Pn	09 49 42.3 +1.8
NVAR	Mina Array Bay	17.33 141	P	P	09 49 42.7 +2.2
	comp=Z,0.1nm,0.3s,baz=313,slow=11,SNR=3.5				
MDPB	Devils Postpi	17.74 144	ePn	P	09 49 48.4 +3.3
	comp=Z,11nm,1.2s				
SAO	San Andreas Ge	17.74 150	ePn	P	09 49 48.7 +3.8
	comp=Z,16nm,1.3s				
OMMB	Old Mammoth Mi	17.78 143	ePn	P	09 49 49.4 +3.7
	comp=Z,7.8nm,1.1s				
LAO	LASA Array	17.84 100	eP	P	09 49 47.2 +1.2
	comp=Z,32nm,1.0s				
LAO	LASA Array	17.84 100	P	P	09 49 47.5 +1.6
	baz=306				
TOLK	Toolik Lake Re	17.88 339	ePn	P	09 49 48.9 +2.7
	comp=Z,41nm,1.4s				
TOLK	Toolik Lake Re	17.88 339	P	P	09 49 48.1 +1.8
	baz=144				
FFC	Flin Flon	17.93 72	ePn	Pn	09 49 45.7 -0.6
	comp=Z,23nm,0.9s				
FFC	Flin Flon	17.93 72	eP	Pmax	09 49 45.7 -0.6
	comp=Z,23nm,0.9s				
BW06	Boulder Array	18.18 114	ePn	P	09 49 53.0 +3.0
	comp=Z,7.8nm,0.8s				
PD31	Pinedale Array	18.18 114	ePn	P	09 49 52.0 +2.0
PDAR	Pinedale Array	18.18 114	P	P	09 49 50.9 +0.9
	comp=Z,30s,slow=7.4,SNR=4.4				
PDAR	Pinedale Array	18.18 114	ePn	P	09 49 53.0 +3.0
DGMT	Dagmar	18.26 92	P	P	09 49 51.0 +0.5
	baz=295				
DUG	Dugway, Tooele	18.31 126	eP	P	09 49 53.5 +2.2
	comp=Z,11nm,0.9s				
DUG	Dugway, Tooele	18.31 126	eP	Pmax	09 49 53.5 +2.2
	comp=Z,11nm,0.9s				
PSUT	Pine Spring	19.13 131	eP	Pn	09 50 03.4 +2.2
	comp=Z,7.8nm,0.8s				
CWC	Cottonwood Cre	19.16 143	P	Pn	09 50 03.4 +1.8
	baz=333				
TPNV	Topopah Spring	19.42 138	ePn	Pn	09 50 06.8 +2.1
	comp=Z,29nm,1.4s				
TPNV	Topopah Spring	19.42 138	eP	Pmax	09 50 06.8 +2.1
	comp=Z,29nm,1.4s				
TPNV	Topopah Spring	19.42 138	P	Pn	09 50 06.6 +1.9
	baz=330				
ISA	Isabella, Lake	19.72 145	eP	Pn	09 50 08.8 +0.7

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ISA	Isabella, Lake	19.72 145	eP	Pn	09 50 08.8 +0.7
	comp=Z,22nm,1.2s				
ISA	Isabella, Lake	19.72 145	P	Pmax	09 50 09.9 +1.7
	baz=335				
MPMC	Manual Prospe	19.72 142	P	Pn	09 50 10.9 +2.6
	baz=333				
MSU	Marysvale	19.93 128	eP	Pn	09 50 11.8 +1.0
MSU	Marysvale	19.93 128	eP	Pn	09 50 11.8 +1.0
K22A	Casper	19.96 110	P	Pn	09 50 13.7 +2.7
	comp=Z,23nm,0.9s				
PKM	McPherson Peak	19.98 149	P	Pn	09 50 16.5 +5.2
	baz=338				
P18A	Preston Nutter	20.03 122	eP	Pn	09 50 14.1 +2.0
	comp=Z,17nm,1.1s				
CCUT	Cedar City	20.15 132	eP	Pn	09 50 13.4 -0.0
	comp=Z,9.9nm,0.9s				
LRMC	Laurel Mtn Rad	20.16 143	P	Pn	09 50 14.2 +0.8
	baz=334				
SZCU	Shurtz Canyon	20.24 131	eP	Pn	09 50 14.0 -0.4
	comp=Z,17nm,1.1s				
SRU	San Rafael Swe	20.28 124	eP	Pn	09 50 15.3 +0.4
	comp=Z,17nm,1.1s				
SRU	San Rafael Swe	20.28 124	eP	Pmax	09 50 15.3 +0.4
	comp=Z,17nm,1.1s				
MTPU	Mount Pierson	20.30 129	eP	Pn	09 50 16.0 +0.7
	comp=Z,10nm,1.2s				
SHOC	Shoshone, Tec	20.32 140	P	Pn	09 50 15.5 +0.3
	baz=332				
UNOV	Unalaska Valle	20.37 287	eP	Pn	09 50 16.0 +0.4
	comp=Z,69nm,1.2s				
RSSD	Black Hills	20.52 104	eP	Pn	09 50 17.2 -0.4
	comp=Z,11nm,0.8s				
RSSD	Black Hills	20.52 104			

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DLBC	1.4nm,0.3s,baz=288,slow=21,SNR=1.9	Lg	Lg	10 13 38.9
NLWA	0.8nm,0.3s,baz=194,slow=14,SNR=2.5	Lg	Lg	10 12 14.8 +0.1
PCN	Neilton Lookou 7.41 129 ePn	Pn	Pn	10 12 36.9 +2.1
PCA	Longme 8.88 333 ePn	Pn	Pn	10 12 45.2 +7.1
LTY	Pinnacle 9.12 120 ePn	Pn	Pn	10 15 59.2
NEW	Liberty 10.56 107 Lg	Lg	Lg	10 13 06.7 +2.9
EYAK	0.0nm,0.3s,baz=56,slow=21,SNR=1.4	Lg	Lg	10 13 11.8 +2.4
FID	Cordova Ski Ar 11.01 323 ePn	Pn	Pn	10 13 15.7 +2.0
KLJ	Port Fidalgo 11.42 323 ePn	Pn	Pn	10 13 16.1 +2.5
GLI	Klutina 11.72 326 ePn	Pn	Pn	10 13 25.0 +2.4
K05A	Glacier Island 11.73 322 ePn	Pn	Pn	10 13 25.3 +1.8
SCM	Summer Lake 12.37 137 ePn	Pn	Pn	10 13 25.0 +0.4
SCM	Sheep Creek Mo 12.45 325 ePn	Pn	Pn	10 13 27.1 +2.6
YBH	Yreka Blue Hor 12.51 145 Pn	Pn	Pn	10 13 28.7 +1.9
YBH	0.0nm,0.3s,baz=352,slow=8,2,SNR=5.9	Lg	Lg	10 13 29.9 +1.8
BRLL	Yreka Blue Hor 12.51 145 ePn	Pn	Pn	10 13 30.0 +1.8
SML	Bradley Lake 12.69 314 ePn	Pn	Pn	10 16 14.1 +2.0
RC01	Sawmill 12.79 324 ePn	Pn	Pn	10 13 32.0 +1.2
PMR	Rabbit Creek A 12.88 319 ePn	Pn	Pn	10 13 37.5 +2.3
PMR	Palmer 12.95 322 ePn	Pn	Pn	10 13 37.7 +1.8
GHO	Glory Hole Cre 12.98 323 ePn	Pn	Pn	10 13 40.8 -1.7
MOD	Modoc Plateau 13.29 337 ePn	Pn	Pn	10 17 46.0
SUA	Susitna One 13.50 319 ePn	Pn	Pn	10 13 48.3 +2.3
WDC	Whistler Wn Da 13.51 145 Pn	Pn	Pn	10 13 53.2 +1.3
YKA	Yellowknife Ar 13.85 36 Pn	Pn	Pn	10 13 49.9 -1.4
YKA	baz=227,slow=12,SNR=5.6	Lg	Lg	10 14 00.8 +0.1
SKT	0.0nm,0.3s,baz=223,slow=28,SNR=2.5	Lg	Lg	10 14 03.2 +2.1
MCK	Skwentna 14.10 320 ePn	Pn	Pn	10 14 03.7 +0.7
IL1	McKinley 14.30 329 eP	Pn	Pn	10 14 06.3 +0.9
ILAR	Eielson Array 14.49 334 ePn	Pn	Pn	10 14 11.8 +1.4
BOZ	Eielson Array 14.49 334 Pn	Pn	Pn	10 14 13.7 +0.6
BAW	baz=144,slow=8,2,SNR=2.2	Lg	Lg	10 14 19.3 +2.0
SVW2	Bozeman (W) 15.16 108 ePn	Pn	Pn	10 14 22.1 +1.1
PAHR	Bear Paw Mtn. 15.21 328 ePn	Pn	Pn	10 14 21.2 -0.5
AFDM	Sparrowohn 15.36 314 ePn	Pn	Pn	10 14 24.5 +1.9
BMN	PAHR Pah Rah Range 15.52 140 ePn	Pn	Pn	10 14 23.6 -0.2
YERR	Forest Hills D 15.59 145 ePn	P	P	10 14 26.3 +0.9
BMN	Battle Mountai 15.83 133 ePn	P	P	10 14 27.4 -0.3
YERR	Yerlington 16.20 141 ePn	P	P	10 14 25.5 +0.5
WAKR	Walker 16.54 142 ePn	P	P	10 14 27.2 0.0
KVN	5.5nm,1.1s	Lg	Lg	10 14 29.9 +0.4
FXWY	Kaiserville 16.60 138 ePn	P	P	10 14 40.1 +2.2
RYN	Fox Creek 16.68 113 ePn	P	P	10 14 39.1 +2.1
LOHW	Ryan 16.79 140 ePn	P	P	10 14 37.8 +0.2
NVAR	Long Hollow 16.94 113 ePn	P	P	10 14 38.2 +0.3
NV01	Mina Array Bea 17.05 140 P	Pn	Pn	10 14 38.9 +0.4
NV11	baz=315,slow=11,SNR=6.7	Lg	Lg	10 14 42.7 +3.2
IM3	Mina Array Sit 17.05 140 ePn	Pn	Pn	10 14 40.6 +0.6
BW06	Mina Array Sit 17.10 139 ePn	Pn	Pn	10 14 52.4 +1.7
PD31	0.5nm,1.0s	Lg	Lg	10 14 54.8 +1.0
PDAR	Indian Mountai 17.34 330 ePn	P	P	10 14 53.8 -2.9
PDAR	Boulder Array 18.06 113 ePn	P	P	10 14 58.2 +0.5
DUG	4.6nm,0.9s	Lg	Lg	10 14 59.9 -0.8
TOLK	PD31 Pinedale Arr 18.06 113 ePn	Pn	Pn	10 14 59.9 +0.6
R11A	PDAR Pinedale Arr 18.06 113 P	Pn	Pn	10 15 01.0 +0.8
PSUT	DUG Dugway, Tooele 18.12 125 ePn	P	P	10 15 00.8 +0.6
TPNV	Long Hollow 18.24 340 ePn	P	P	10 15 04.8 -0.1
ISA	Toolik Lake Re 18.24 340 ePn	P	P	10 15 04.5 +1.0
MSU	Troy Canyon, C 18.26 134 ePn	P	P	10 15 05.0 +0.8
CCUT	5.3nm,1.1s	Lg	Lg	10 15 05.9 -1.0
SHRP	PSUT Pine Spring 18.30 130 ePn	P	P	10 15 06.3 +1.1
SZCU	TPNV Topopah Spring 18.30 130 ePn	Pn	Pn	10 15 06.6 +0.9
MTPU	ISA Isabella, Lake 18.31 144 ePn	Pn	Pn	10 15 13.3 +0.2
SRU	MSU Marysvale 18.31 144 ePn	Pn	Pn	10 15 13.2 -0.4
GSC	CCUT Cedar City 19.12 127 ePn	P	P	10 15 14.2 +0.6
LCMT	19.12 127 ePn	P	P	10 15 13.7 -0.4
RSSD	19.12 127 ePn	P	P	10 15 15.6 +1.1
PKCU	19.12 127 ePn	P	P	10 15 14.7 +0.1
O20A	19.12 127 ePn	P	P	10 15 15.6 +1.1
KNB	19.12 127 ePn	P	P	10 15 16.6 +0.9
PV09	19.12 127 ePn	P	P	10 15 16.6 +0.9
N23A	19.12 127 ePn	P	P	10 15 16.7 +0.7
U15A	19.12 127 ePn	P	P	10 15 16.8 +0.5
PV23	19.12 127 ePn	P	P	10 15 17.0 +0.5
PV10	19.12 127 ePn	P	P	10 15 17.1 +0.5
PV14	19.12 127 ePn	P	P	10 15 17.5 +0.1
PV22	19.12 127 ePn	P	P	10 15 18.4 +0.9
RD0G	19.12 127 ePn	P	P	10 15 19.0 0.0
PV20	19.12 127 ePn	P	P	10 15 20.9 +0.4
PV19	19.12 127 ePn	P	P	10 15 20.8 +0.3
PV16	19.12 127 ePn	P	P	10 15 23.5 +0.0
PV17	19.12 127 ePn	P	P	10 15 27.0 +0.9
PV11	19.12 127 ePn	P	P	10 15 26.9 0.0
PV12	19.12 127 ePn	P	P	10 15 27.8 +0.7
PV03	19.12 127 ePn	P	P	10 15 27.0 +0.5
PV05	19.12 127 ePn	P	P	10 15 27.0 +0.5
PV13	19.12 127 ePn	P	P	10 15 27.0 +0.5
PV02	19.12 127 ePn	P	P	10 15 27.0 +0.5
W13A	19.12 127 ePn	P	P	10 15 27.0 +0.5
SMV0	19.12 127 ePn	P	P	10 15 27.0 +0.5
PFO	19.12 127 ePn	P	P	10 15 27.0 +0.5
XPFO	19.12 127 ePn	P	P	10 15 27.0 +0.5
ISCO	19.12 127 ePn	P	P	10 15 27.0 +0.5
WUAZ	19.12 127 ePn	P	P	10 15 27.0 +0.5
MVCO	19.12 127 ePn	P	P	10 15 27.0 +0.5
Y12C	19.12 127 ePn	P	P	10 15 27.0 +0.5
ULM	19.12 127 ePn	P	P	10 15 27.0 +0.5
S22A	19.12 127 ePn	P	P	10 15 27.0 +0.5
Y14A	19.12 127 ePn	P	P	10 15 27.0 +0.5
Q24A	19.12 127 ePn	P	P	10 15 27.0 +0.5
GLA	19.12 127 ePn	P	P	10 15 27.0 +0.5
X16A	19.12 127 ePn	P	P	10 15 27.0 +0.5

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SDCO	Great Sand Dun 23.77 117 eP	P	P	10 15 38.9 -0.2
X18A	5.8nm,1.1s	Lg	Lg	10 15 40.4 -0.5
ANMO	Snowflake 23.98 129 eP	P	P	10 15 52.9 -0.7
ANMO	Albuquerque 25.37 123 P	P	P	10 15 53.2 -0.5
LAZ	0.3nm,0.3s,baz=321,slow=10,SNR=3.0	Lg	Lg	10 15 56.4 +2.0
LENN	Albuquerque 25.37 123 eP	P	P	10 15 55.3 +1.3
SPMN	5.1nm,0.9s	Lg	Lg	10 16 06.6 +1.0
RES	Lacina 25.45 125 eP	P	P	10 16 08.1 +0.6
RES	5.0nm,0.9s	Lg	Lg	10 16 08.5 +1.0
EPT	Resolute Bay 26.98 21 P	P	P	10 16 17.6 +1.4
MNTX	4.1nm,1.0s	Lg	Lg	10 16 21.9 +0.3
TX31	Corndas Mount 28.50 126 eP	P	P	10 16 46.2 -0.1
LTXR	Lajitas Ar. Si 31.28 126 eP	P	P	10 16 45.8 -0.5
TXAR	Lajitas Array 31.28 126 P	P	P	10 17 12.9 -2.3
VLDO	Ashland 31.28 126 P	P	P	10 17 39.8 +1.7
TRQ	1.7nm,0.9s,baz=331,slow=7,1,SNR=10	Lg	Lg	10 17 43.0 -0.4
Y22A	Val d'Or 34.63 75 eP	P	P	10 17 42.3 -1.2
TKL	5.1nm,1.0s	Lg	Lg	10 17 42.6 -0.8
TKL	Mont Tremblant 37.28 76 eP	P	P	10 17 45.3 -1.0
Z50A	Sevierville 37.70 96 eP	P	P	10 17 48.2 -0.2
V53A	2.5nm,0.8s	Lg	Lg	10 17 52.0 -0.1
250A	Saluda 38.49 96 eP	P	P	10 17 54.1 -0.6
SEY	Grady 38.94 103 eP	P	P	10 17 54.4 -1.0
ACCN	0.0nm,0.8s	Lg	Lg	10 18 04.7 -2.6
PEA1	Ussuriysk Ar. 59.64 304 P	P	P	10 18 04.7 -2.6
PETK	4.4nm,0.9s,baz=51,slow=7,5	Lg	Lg	10 18 08.8 +1.5
PETK	Petropavlovsk- 40.79 300 eP	P	P	10 19 54.8 +0.4
PETK	Petropavlovsk- 40.80 300 P	P	P	11 22 13.8
BOAB	6.0nm,0.9s,baz=76,slow=12	Lg	Lg	11 22 14.0
H11N2	BOACO BROADBA 60.55 119 eP	P	P	11 22 15.1
H11N2	WAKE ISLAND Hy 56.84 259 T	T	T	11 22 33.9
H11N3	WAKE ISLAND Hy 56.84 259 T	T	T	11 23 42.7
H11N1	WAKE ISLAND Hy 56.85 259 T	T	T	11 23 49.4
H11S1	WAKE ISLAND Hy 57.89 258 T	T	T	10 20 27.1 -3.0
H11S2	WAKE ISLAND Hy 57.90 258 T	T	T	10 20 54.1 +0.6
H11S3	WAKE ISLAND Hy 57.91 258 T	T	T	10 20 53.5 -0.6
USRK	Ussuriysk Ar. 59.64 304 P	P	P	10 21 27.7 +0.5
NB2	4.4nm,0.9s,baz=51,slow=7,5	Lg	Lg	10 21 34.4 -0.5
NB200	NORSAR Subarra 63.22 19 P	P	P	10 21 35.2 +0.3
NOA	comp=Z,1.0nm,0.8s,baz=337,slow=6.9	Lg	Lg	10 21 50.0 +0.6
NOA	NORSAR Array B 63.22 19 eP	P	P	10 21 57.6 +0.8
SONAO	6.0nm,0.9s,baz=76,slow=12	Lg	Lg	10 22 01.8 +0.4
SONM	Songino Array 68.30 322 eP	P	P	10 22 07.2 -0.6
ZAA1	comp=Z,2.5nm,0.8s,baz=337,slow=6.8,SNR=4.3	Lg	Lg	10 22 12.7 -0.8
ZAA0	Songino Array 68.30 322 P	P	P	10 22 15.0 +0.1
ZALV	comp=Z,0.8nm,0.7s,baz=350,slow=6.0,SNR=4.4	Lg	Lg	10 22 16.9 +0.9
ZALV	Zalesovo Array 69.59 338 eP	P	P	10 22 18.1 +0.3
ZALV	Zalesovo Array 69.59 338 eP	P	P	10 22 17.1 -0.7
ZALV	comp=Z,1.0nm,0.8s,baz=337,slow=6.8,SNR=6.5	Lg	Lg	10 22 17.2 -0.7
ZALV	Zalesovo Array 69.59 338 P	P	P	10 22 18.4 +0.5
ZALV	comp=Z,1.7nm,0.6s,baz=11,slow=3.0,SNR=6.1	Lg	Lg	10 22 18.4 +0.4
HHC	Hu-ho-hao-te 71.92 314 eP	P	P	10 22 18.2 0.0
HHC	comp=Z,210nm,1.0s	Lg	Lg	10 22 28.8 +0.3
HHC	comp=Z,210nm,1.0s	Lg	Lg	10 22 25.4 +0.1
BRVK	Borovoye 73.22 346 eP	P	P	10 22 32.3 +0.9
KURK	Kurchatov 73.98 340 eP	P	P	10 22 38.5 -1.0
GERES	comp=Z,4.8nm,0.9s	Lg	Lg	10 22 43.0 +3.3
AKASG	GERESS Array B 75.07 22 P	P	P	10 26 19.0 +4.9
AKASG	Malin Array Be 76.31 20 eP	P	P	10 22 49.5 +0.4
MODS	76.31 20 eP	P	P	10 22 50.5 0.0
YVHS	Yhne 76.52 19 eP	P	P	10 22 54.5 +0.9
MK31	Makanchi Array 76.83 336 eP	P	P	10 22 57.0 +0.9
MK32	Makanchi Array 76.83 336 eP	P	P	10 22 57.9 +0.8
MKAR	Makanchi Array 76.83 336 P	P	P	10 23 13.4 -0.3
MKAR	comp=Z,1.9nm,0.8s,baz=336,slow=7,3,SNR=6.5	Lg	Lg	10 23 13.4 -0.3
MKAR	Makanchi Array 76.83 336 eP	P	P	10 23 15.2 -1.6
MK01	Makanchi Array 76.85 336 eP	P	P	10 23 15.0 -1.8
MAK2	Makanchi 76.90 337 eP	P	P	10 30 18.4 -0.5
WMQ	Urumqi 78.13 332 P	P	P	10 22 49.5 +0.4
ABKAR	Akbulak array 78.18 352 eP	P	P	10 22 50.4 -0.1
LZH	Lanzhou 79.21 317 eP	P	P	10 22 54.5 +0.9
LZH	comp=Z,2.2nm,1.1s	Lg	Lg	10 22 57.0 +0.9
LZH	comp=Z,3.4nm,0.9s,baz=104,slow=2.8,SNR=5.2	Lg	Lg	10 22 57.9 +0.8
LZH	comp=Z,1.0nm,0.8s,baz=336,slow=7,3,SNR=6.5	Lg	Lg	

28d 10h

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes entries for DAWSON INLET T, VAN INLET T-PH, Bella Bella, Dease Lake, Yellowknife Ar, etc.

ISCJ 28 10:23:04.6.0.5, 52.61N:132.74W, h0km, mb4.2/24, mb1 4.3/34, mb1mx4.2/56, mbtmp4.1/34, ML3.6/10, MS4.2/11, Ms1 4.1/11, ms1mx3.9/29, Error ellipse: s-maj=9.6km s-min=6.6km az=89.0, MOS 28 10:23:07.4.0.1, 52.77N:132.91W, h17km, mb5.0/49, Error ellipse: s-maj=10.4km s-min=4.1km az=110.4, ISCJ 28 10:23:08.4.0.1, 52.77N:132.72W, h0.4, h22km, mb4.6/147, MS4.4/2, Error ellipse: s-maj=4.1km s-min=1.5km az=143.1, NEIC 28 10:23:08.0.0.2, 52.81N:132.67W, h10km, mb4.5/170, Error ellipse: s-maj=5.3km s-min=1.8km az=49.0, ISC 28 10:23:10.1.0.3, 52.81N:132.55W, h0.05, h22km, ms97, σ1556/576, mb4.7/156, 20C-15D, Queen Charlotte Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes entries for Dawson Inlet, VAN INLET T-PH, Bella Bella, Dease Lake, Yellowknife Ar, etc.

2012 OCT

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes entries for Sand Creek, Old Harbor, Independence, Red Mountain, Summer Lake, Eagle, Denali Highway, Yreka Blue Hor, etc.

1380

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes entries for Snow King Moun, Red Top Meadows, Hansel Valley, Hansel Valley, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like MWC Mount Wilson, PASO Pasadena Art C, PAS Pasadena, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like TUC Tucson, LENN Lemitar, BMM Barren Site, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like TIXI Tikisi, DAG Danmarks Havn, DAG Danmarks Havn, etc.

28d 10h

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like R45A Skylar, S45A Carrier Mills, P47A Martinsville, etc.

2012 OCT

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like PEA1 Petropavlovsk, PETK Petropavlovsk, MA2 Magadan, etc.

1386

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like OBN Obninsk, OBN Obninsk, CLL Colim, etc.

28d 10h

2012 OCT

1388

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like Belle Mtn, Snowmass, Pinyon Flats, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like Wiedeman Farm, Oxford, Tazewell, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like Dawson Inlet, DAWSON INLET T, VAN INLET T-PH, etc.

Technical notes and error messages: IDC 28 10:59:11.1, 0.8, 52.27N; 132.35W, h0km, mb4.1/5, mb1.4/3.13, mb1mx3.9/5.1, mbtmp4.0/13, ML3.5/9, Error ellipse: s-maj=17.2km s-min=7.2km az=69.0, ISCJB 28 10:59:13.2, 0.2, 52.39N; 0.03, 132.05W, h18km, mb4.2/4.1, Error ellipse: s-maj=6.4km s-min=2.1km az=145.8, NEIC 28 10:59:14.6, 0.2, 52.42N; 131.94W, h10km, mb4.0/72, Error ellipse: s-maj=7.8km s-min=2.0km az=53.0, ISC 28 10:59:15.0, 0.6, 52.42N; 0.06, 131.93W, h18km, n227, s1920/232, mb4.2/4.1, Queen Charlotte Islands region

CWC	Cottonwood Cre	18.74 143	P	Pn	11 03 33.1 -0.1
TPNV	Topopah Spring	19.00 138	eP	Pn	11 03 36.4 -0.1
TPNV	Topopah Spring	19.00 138	P	Pn	11 03 36.3 -0.1
FURC	Furnace Creek	19.17 140	P	Pn	11 03 38.8 +0.5
ISA	Isabella, Lake	19.29 145	eP	P	11 03 38.7 0.0
ISA	Isabella, Lake	19.29 145	P	P	11 03 39.1 +0.4
MPMC	Manual Prospec	19.29 142	P	P	11 03 38.7 -0.3
TMUT	Trail Mountain	19.42 124	eP	Pn	11 03 41.5 0.0
P17A	Butcher Ranch	19.52 123	eP	Pn	11 03 42.4 -0.3
MSU	Marysue	19.54 128	eP	P	11 03 42.9 -0.1
K22A	Casper	19.65 110	P	P	11 03 43.1 +0.3
LCMT	Laurel Mtn Rad	19.74 143	P	P	11 03 44.3 +0.6
CRUC	Cedar City	19.75 131	P	Pn	11 03 44.8 -0.7
SZCU	Shurtz Canyon	19.84 131	eP	P	11 03 45.7 +0.8
SRU	San Rafael Swe	19.91 123	eP	Pn	11 03 46.8 -0.5
MTPU	Mount Pierson	19.91 128	eP	P	11 03 46.4 +0.6
GSC	Goldstone, Bar	20.22 142	eP	P	11 03 49.6 +0.7
GSC	Goldstone, Bar	20.22 142	P	P	11 03 49.8 +0.9
LCMT	Little Creek M	20.25 132	eP	P	11 03 49.9 +0.6
PKCU	Pink Cliffs	20.33 130	eP	Pn	11 03 51.7 -0.7
O20A	White River Ci	20.36 118	eP	Pn	11 03 52.2 -0.5
O20A	White River Ci	20.36 118	P	P	11 03 51.9 -0.5
KNB	Kanab	20.43 131	eP	P	11 03 52.3 +1.0
MWC	Mount Wilson	20.73 146	eP	P	11 03 54.3 -0.3
HEC	Hector,Ludlow	20.82 142	P	P	11 03 55.7 +0.3
BFSC	Mount Baldy Ra	20.86 145	P	P	11 03 55.9 0.0
LDFC	Landfair	21.08 139	eP	P	11 03 58.2 0.0
PV09	Paradox Valley	21.08 122	eP	P	11 03 59.8 +1.3
BBRC	Big Bear Solar	21.10 143	P	P	11 03 58.8 +0.1
N23A	Red Feather La	21.11 113	eP	P	11 03 59.9 +1.1
N23A	Red Feather La	21.11 113	P	P	11 03 59.3 +0.5
PV21	Cone Mtn., Par	21.12 122	eP	P	11 03 58.9 +0.1
GMRC	Granite Mounta	21.12 140	eP	P	11 03 58.7 0.0
U15A	North Rim	21.16 131	eP	P	11 03 59.9 +0.5
PV23	Carpenter Ridg	21.18 122	eP	P	11 04 00.2 +0.7
PV10	Paradox Valley	21.22 122	eP	P	11 04 01.5 +1.6
PV14	Lion Creek, Pa	21.23 122	eP	P	11 04 00.5 +0.5
PV22	Blue Mesa, Par	21.23 122	eP	P	11 04 01.4 +1.4
PV20	West Nyswonger	21.29 122	eP	P	11 04 01.2 +0.7
PV19	Morning Glory	21.30 122	eP	P	11 04 01.3 +0.6
PV16	Nyswonger Mesa	21.33 122	eP	P	11 04 01.5 +0.4
PV17	East Wray Mesa	21.34 122	eP	P	11 04 01.0 -0.1
PV11	David Mesa, Pa	21.37 122	eP	P	11 04 01.9 +0.5
PV18	Skein Mesa, Pa	21.39 122	eP	P	11 04 03.0 +1.3
PV12	Saucer Basin,	21.39 122	eP	P	11 04 02.2 +0.6
PV03	Paradox Valley	21.41 122	eP	P	11 04 02.3 +0.3
PV05	Paradox Valley	21.41 123	eP	P	11 04 02.6 +0.6
PV13	Radium Mtn., P	21.50 122	eP	P	11 04 03.4 +0.6
PV02	Paradox Valley	21.50 122	eP	P	11 04 03.4 +0.5
W13A	Hualapai Mount	21.57 136	eP	P	11 04 04.0 +0.4
PV01	Paradox Valley	21.65 122	eP	P	11 04 04.8 +0.3
BELC	Belle Mtn. Jos	21.68 142	P	P	11 04 04.6 -0.1
SMCO	Snowmass	21.73 118	eP	P	11 04 06.2 +0.7
PFO	Pinyon Flats 0	21.86 143	eP	P	11 04 05.9 -0.7
PFO	Pinyon Flats 0	21.86 143	P	P	11 04 06.1 -0.5
XPFO	Pison Flat	21.86 143	eP	P	11 04 05.9 -0.7
TPFO	Pinon Flats	21.86 143	P	P	11 04 06.3 -0.4
IRM	Iron Mountain	21.87 140	P	P	11 04 06.4 -0.3
FRD	Ford Ranch, An	21.91 144	P	P	11 04 06.6 -0.6
PDMCI	Parker Dam,Lak	22.15 138	P	P	11 04 09.7 +0.1
WUAZ	Wupatki	22.33 131	eP	P	11 04 11.5 -0.2
WUAZ	Wupatki	22.33 131	P	P	11 04 11.8 +0.1
MVCO	Mesa Verde	22.39 124	eP	P	11 04 13.1 +0.6
MVCO	Mesa Verde	22.39 124	P	P	11 04 12.1 -0.3
Y12C	Blythe	22.47 139	eP	P	11 04 13.0 -0.1
Y12C	Blythe	22.47 139	P	P	11 04 13.0 -0.1
MONP2	Monument Peak	22.52 144	P	P	11 04 13.5 -0.3
IKP	IK-Pah, Jac	22.55 144	P	P	11 04 17.0 -0.2
S22A	4UR Ranch, Cre	22.85 120	eP	P	11 04 18.2 +0.8
S22A	4UR Ranch, Cre	22.85 120	P	P	11 04 17.9 +0.5
Y14A	Wickenburg	22.94 136	eP	P	11 04 18.9 +0.9
X16A	Lo Mia Camp, P	23.21 133	eP	P	11 04 22.4 +1.4
OGNE	Ogallala	23.23 108	P	P	11 04 21.5 -0.6
SDCO	Great Sand Dun	23.56 118	eP	P	11 04 25.0 +0.4
SDCO	Great Sand Dun	23.56 118	P	P	11 04 24.2 -0.4
X18A	Snowflake	23.81 130	eP	P	11 04 27.9 +1.0
KSC0	Kay Sheddlock	24.26 112	P	P	11 04 32.1 +1.1
214A	Organ Pipe Nat	24.73 138	P	P	11 04 34.1 -1.2
ECSD	EROS Data Cent	24.93 96	P	P	11 04 37.9 +1.0
ANMO	Albuquerque	25.18 124	P	P	11 04 39.0 -0.4
ANMO	Albuquerque	25.18 124	eP	P	11 04 40.3 -0.4
ANMO	Albuquerque	25.18 124	P	P	11 04 39.0 -0.4
LAZ	Ladron	25.27 126	eP	P	11 04 42.9 +2.6
LENM	Lemitar	25.54 126	eP	P	11 04 43.4 +0.7
Y22D	IRIS PASCAL I	25.64 126	eP	P	11 04 44.5 +1.0
BNM	Barren Site	25.72 125	eP	P	11 04 44.5 +0.1
121A	Cookes Peak, D	26.47 129	P	P	11 04 53.5 +2.4
319A	Douglas	26.75 133	eP	P	11 04 56.8 +3.2
MNXT	Cornudas Mount	28.32 127	eP	P	11 05 07.8 +0.3

MNXT	Cornudas Mount	28.32 127	P	P	11 05 07.9 +0.4
WMOK	Wichita Mounta	29.46 114	eP	P	11 05 18.5 +0.8
WMOK	Wichita Mounta	29.46 114	P	P	11 05 18.4 +0.7
T38A	Diamond	30.44 105	P	P	11 05 27.2 +0.9
TX31	Lajitas Ar. Si	31.09 127	eP	P	11 05 32.7 +0.5
LTX	Lajitas Ar. Si	31.10 127	eP	P	11 05 32.4 +0.2
TXAR	Lajitas Array	31.10 127	P	P	11 05 32.4 +0.2
R41A	Resadub	31.35 100	P	P	11 05 34.6 +0.3
V39A	Pettigrew	31.64 106	P	P	11 05 36.1 -0.7
U40A	Yellville	31.75 105	P	P	11 05 37.6 -0.2
V40A	Witts Springs	32.14 105	eP	P	11 05 42.0 +0.6
V41A	Mountview	32.55 105	P	P	11 05 44.2 -0.7
MIAR	Mount Ida	32.58 108	eP	P	11 05 45.3 +0.2
MIAR	Mount Ida	32.58 108	P	P	11 05 45.5 +0.4
S43A	Full Ridge,	32.60 100	P	P	11 05 44.8 -0.5
T43A	Greenville	32.80 101	P	P	11 05 46.3 -0.6
L47A	Sherwood	32.89 90	P	P	11 05 47.1 -0.6
Q47A	Bedord North L	33.95 95	P	P	11 05 57.9 +0.9
R47A	Wooly Knot Far	34.29 96	P	P	11 06 00.3 +0.3
OXF	Oxford	35.06 104	eP	P	11 06 06.8 +0.2
T51A	Gray	36.71 95	P	P	11 06 19.7 -1.1
V52A	Sevierville	37.66 97	P	P	11 06 29.3 +0.4
TKL	Tuckaleechee C	37.68 97	P	P	11 06 29.0 0.0
X51A	Calhoun	37.75 99	P	P	11 06 29.8 +0.1
149A	Jones	37.95 103	P	P	11 06 31.3 -0.1
W52A	Murphy	37.96 98	P	P	11 06 31.1 -0.3
V53A	Saluda	38.25 96	P	P	11 06 33.2 -0.8
W53A	Cullowhee	38.37 97	P	P	11 06 35.4 +0.4
PEA1	Petrovlovsk-	40.99 300	eP	P	11 06 55.0 -1.5
PETK	Petrovlovsk-	41.00 300	P	P	11 06 55.0 -1.6
H11N2	WAKE ISLAND Hy 57.08 259	T	T	12 11 02.1	
H11N3	WAKE ISLAND Hy 57.08 259	T	T	12 11 01.9	
H11N1	WAKE ISLAND Hy 57.09 259	T	T	12 11 04.7	
H11S1	WAKE ISLAND Hy 58.13 259	T	T	12 12 16.4	
H11S2	WAKE ISLAND Hy 58.15 259	T	T	12 12 17.3	
H11S3	WAKE ISLAND Hy 58.15 259	T	T	12 12 24.8	
MAJO	Matsushiro	61.98 294	eP	P	11 09 31.4 -2.3
MJAR	Matsushiro Arr	61.98 294	P	P	11 09 31.4 -2.3
WMQ	Urumqi	78.23 332	eP	P	11 11 16.5 +3.2
LZH	Lanzhou	79.36 317	eP	P	11 11 20.5 +0.7
LZH	Lanzhou		pP	pP	11 11 20.5 -0.7
LZH	Lanzhou		sP	sP	11 11 28.0 +0.1
LZH	Lanzhou		pmax	pmax	
LPAZ	La Paz	87.75 120	P	P	11 12 01.4 -2.0
BOSA	Bosnia	150.81 44	PKPbc	PKPbc	11 19 05.0 -1.0

IDC 28 11:00:12.9, 1.5, 52.39N:132.65W, h0km, mb3.6/3,
 mb1 3.8/7, mb1mx3.6/48, mbtms3.5/7, ML3.3/4, Error
 ellipse: s-maj=33.9km s-min=21.8km az=68.0
 ISCJB 28 11:00:14.3, 1.4, 52.42N:0.2:132.7W:0.4, h18km, mb3.5/3,
 Error ellipse: s-maj=37.0km s-min=14.0km az=151.2
 ISC 28 11:00:15.4, 1.7, 52.39N:132.65W, h0km, n7,
 o=3836, mb3.6/3, Queen Charlotte Islands region

BUI	28 11:03:58.6, 21.92N:95.28E, h54km, mb4.5/10, mB4.8/8, Ms4.3/5, Ms7.4/0.4
ISCJB	28 11:04:13.0, 0.3, 22.99N:0.03:94.59E:0.04, h105km, mb4.3/40, Error ellipse: s-maj=5.2km s-min=3.7km az=144.6
IDC	28 11:04:14.7, 0.7, 22.88N:94.58E, h106km, mb3.9/13, mb1 4.0/15, mb1mx3.6/51, mbtms4.2/15, Error ellipse: s-maj=14.8km s-min=8.8km az=24.0
NEIC	28 11:04:14.7, 0.5, 23.01N:94.68E, h104km, mb4.3/27, Error ellipse: s-maj=8.3km s-min=3.8km az=51.0
NDI	28 11:04:17.4, 2.6, 23.18N:94.27E, h15km, ML3.8
ISC	28 11:04:18.4, 4.0, 22.99N:0.04:94.52E:0.05, h105km, n102, e=231/128, mb4.2/40, Myanmar

Code	Station Name	Δ°	ASZ	Op	ISC	h	m	s	ISC	Time	Res
DLBC	Dease Lake	6.38	13	Pn	Pn	11	01	48.6	+0.1		
YKA	Yellowknife Ar	14.13	36	Pn	Pn	11	03	27.5	-6.8		
NVAR	Mina Array Bea	17.14	138	P	P	11	04	16.1	+0.4		
PDAR	Pinedale Array	18.28	112	P	Pn	11	04	27.8	-0.4		
TXAR	Lajitas Array	31.14	125	P	P	11	06	35.6	0.0		
KURB	Kurchatov Arra	74.11	340	P	P	11	11	50.1	+0.1		
MKAR	Makanchi Array	76.83	336	P	P	11	12	05.4	-0.4		

TEZP	Tawang	eS	Sn	11 05 54.9 -3.2	
TEZP	Tawang	IAML		11 05 59.4	
TEZP	Tawang	IAML		11 06 00.3	
GUWA	GUWAHATI	4.10 322	eP	Pn	11 05 14.7 -0.4
GUWA	GUWAHATI		eS	Sn	11 05 57.4 -4.7
GUWA	GUWAHATI		IAML		11 06 01.5
GUWA	GUWAHATI		IAML		11 06 01.9
ITAN	ITANAGAR	4.20 350	eP	Pn	11 05 17.3 +0.9
ZIRO	ZIRO	4.56 352	eP	Pn	11 05 19.0 -2.4
ZIRO	ZIRO		eS	Sn	11 06 06.0 -7.4
ZIRO	ZIRO		IAML		11 06 14.0
ZIRO	ZIRO		IAML		11 06 14.6
TURI	Tura	4.60 305	eP	Pn	11 05 22.7 +1.0
TURI	Tura		eS	Sn	11 06 11.2 -2.8
TURI	Tura		IAML		11 06 14.8
TURI	Tura		IAML		11 06 15.3
TAWA	Chiang Mai	5.18 333	eP	Pn	11 05 30.1 +0.2
CHTO	Chiang Mai	5.86 134	ePn	Pn	11 05 37.6 -1.2
CM31	Chiang Mai Arr	6.12 137	ePn	Pn	11 05 41.1 -1.2
CMAR	Chiang Mai Arr	6.12 137	P	Pn	11 05 41.1 -1.2
comp=N,1.0nm,0.3s,baz=309,slow=13,SNR=3	Tadong	6.88 310	eS	Sn	11 05 53.7 +0.8
GTK	Tadong		eS	Sn	11 07 04.0 -5.8
GTK	Tadong		IAML		11 07 11.8
GTK	Tadong		IAML		11 07 13.4
LSA	Lhasa	7.34 336	ePn	Pn	11 06 00.8 +1.5
LSA	Lhasa		eS	Sn	11 07 24.1 +2.8
RAMN	Ramite	8.20 300	ePn	Pn	11 06 11.1 +0.3
PBK7	Sadao Pong	8.81 135	ePn	Pn	11 06 19.2 +0.3
JIRN	Jiri	8.86 303	eS	Sn	11 06 19.8 -0.1
comp=N,212nm,0.3s	Gumba	9.22 304	ePn	Pn	11 06 27.0 -0.5
GUN	Gumba		eS	Sn	11 08 02.0 -4.9
PKI	Pulchoki	9.43 301	ePn	Pn	11 06 27.0 -0.5
PKI	Pulchoki		eS	Sn	11 08 06.2 -5.7
comp=N,57nm,0.4s	Phulchoki	9.44 301	ePn	Pn	11 06 27.2 -0.5
PKIN	Phulchoki		eS	Sn	11 08 06.0 -5.9

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like AK11 Malin Array Si, WR1 Warramunga Arr, WRA Warramunga Arr, WRAB Tennant Creek, WB2 Warramunga Arr, MLR Muntele Rosu, BUR04 Bucovina Ar, BUR08 Bucovina Ar, AS31 Alice Springs, ASAR Alice Springs, KWP Katarina Pacla, ARA0 ARCESS Array B, ARCES ARCESS Array B, AGG Agios Georgios, FNA Florida, NC405 NORSAR Array S, NC602 NORSAR Array S, NC303 NORSAR Array S, NB201 NORSAR Array S, NB2 NORSAR Subarra, NB20A NORSAR Array S, NB0A NORSAR Array S, GE02 GERESS Array S, GERES GERESS Array B, GE0A GERESS Array S, NC204 NORSAR Array S, WLF Walferdange, SEN11 Lac Senfaine, BNT Bardonecchia, KES1 Kesra, LKZ Lusaka, LST Lobatse, BOS4 Boshof, ANMO Albuquerque, SDV Santo Domingo, CHRN Cochrane.

IDC 28 11:04:44.0.1.5, 52:33N, 133:06W, h0km, mb3.8/2, mb1 3.9/9, mb1mx3.6/44, mbtmp3.6/7, ML3.5/5, MS3.4/2, Ms1 3.4/2, ms1mx2.8/46, Error ellipse: s-maj=26.7km s-min=12.8km az=82.0

ISCJB 28 11:04:45.1.1.1, 52:37N, 132:38W, 0.2, h10km, mb3.7/2, MS3.8/1, Error ellipse: s-maj=21.5km s-min=8.3km az=160.9

ISC 28 11:04:45.0.1.1, 52:38N, 133:17W, 0.1, h10km, n12, a109/11, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, BBB Bella Bella, BBB Dease Lake, DLBC Dease Lake, YBH Yreka Blue Hor, ILAR Eielson Array, NVAR Mina Array B, PDAR Pinedale Array, ULM Lac du Bonnet, TXAR Lajitas Array, MKAR Makanchi Array, BOS4 Boshof.

IDC 28 11:07:35.3.1.4, 52:37N, 132:59W, h0km, mb3.8/3, mb1 3.9/9, mb1mx3.6/45, mbtmp3.6/9, ML3.6/6, Error ellipse: s-maj=29.7km s-min=13.3km az=77.0

ISCJB 28 11:07:36.8.1.2, 52:43N, 132:44W, 0.2, h18km, mb3.6/3, Error ellipse: s-maj=23.5km s-min=8.4km az=150.4

ISC 28 11:07:38.4.1.4, 52:55N, 132:42W, 0.2, h18km, n11, a086/11, mb3.5/3, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, BBB Bella Bella, DLBC Dease Lake, YKA Yellowknife Ar, ILAR Eielson Array, NVAR Mina Array B, PDAR Pinedale Array, TXAR Lajitas Array, MKAR Makanchi Array.

IDC 28 11:17:16.3.0.7, 52:39N, 132:13W, h0km, mb4.1/17, mb1 4.2/22, mb1mx4.1/44, mbtmp4.1/22, ML3.8/5, MS3.7/9, Ms1 3.8/9, ms1mx3.3/64, Error ellipse: s-maj=12.1km s-min=6.3km az=51.0

NEIC 28 11:17:16.0.0.0, 52:40N, 132:42W, h5km, mb4.3/12, ML4.5(OTT), After OTT.

PGC 28 11:17:16.7, 52:39N, 132:38W, h7km, 103km Ssw of Sandspit, Bc Haida Gwaii Region

ISCJB 28 11:17:17.8.0.2, 52:51N, 132:09W, 0.05, h18km, mb4.4/87, MS4.2/2, Error ellipse: s-maj=5.5km s-min=2.0km az=143.4

ISC 28 11:17:19.5.0.5, 52:48N, 132:07W, 0.07, h18km, n12, a109/11, Queen Charlotte Islands region

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like DIB Dawson Inlet, H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, BBB Bella Bella, BBB Dease Lake, YBH Yreka Blue Hor, ILAR Eielson Array, NVAR Mina Array B, PDAR Pinedale Array, ULM Lac du Bonnet, TXAR Lajitas Array, MKAR Makanchi Array, BOS4 Boshof, KLU Klutina, L02E Cave Junction, L04D Klamath Falls, KRMB Red Mountain, KRMS Summer Lake, JTMT Jette, GHO Glory Hole Creek, SCM Sheep Creek Mo, YBH Yreka Blue Hor, Y01A Yreka Blue Hor, M04C Macdoel, CNPM Capitan Foot, SML Sawmill, KDKA Kodiak Island, J08A Circle Bar Ran, PMR Palmer, GHO Glory Hole Creek, MSO Missoula, N02D Trinity Center, EGAK Eagle, MOD Modoc Plateau, YKA Yellowknife Ar, YKWS Yellowknife Ar, O02D Mt. Diablo Mer, EPYK Eagle Plains, HDA Harding Lake, HDA Harding Lake, MCK McKinley, MCK McKinley, ILI Eielson Array, ILAR Eielson Array, ILAR Eielson Array, ILB Eielson Array, TRF Thorofare Moun, TRF Thorofare Moun, WRH Wood River Hill, DLBT Dillon, CLM Clear Creek Bu, CCB Clear Creek Bu, HLID Hailey, HLID Hailey, BWN Browne, MCMT McKenzie Canyo, MCMT McKenzie Canyo, COLA College, COLV CIGO, UAF Yank, TRCV Oroville, EGMT Eggleton, EGMT Eggleton, BEKR Beckworth, BEKR Beckworth, MDM Murphy Dome, MDM Murphy Dome, CAST Castle Rocks, CAST Castle Rocks, BPAW Bear Paw Mtn, BPAW Bear Paw Mtn, SVWZ Sparrevohn, PAHR Pah Rah Range, FYU Fort Yukon, AFDM Forest Hills D, QLMT Earthquake Lak, QLMT Earthquake Lak, INK Inuvik, INK Inuvik, INK Inuvik, PNTR Pine Nut, YHH Holmes Hill, YMR Madison River, GGMT Greycliff, YERR Yerington, H17A Grant Village.

Table with columns: Code, Station Name, Time, Res. Includes stations like H17A Grant Village, IMW Indian Meadow, FMW Flagg Ranch, WAKR Walker, KVN Kaiserville, FXWY Fox Creek, CMB Columa Cole, M00B Moose Ponds, RLMT Red Lodge, RLMT Red Lodge, TPWAU Teton Pass, RYN Ryan, NV01 Mina Array Sit, NVAR Mina Array B, NV11 Mina Array Sit, AHID Ahumau Hatcher, IM3 Indian Mountai, BGU Big Grassy Mou, SPUT South Promonto, MDPB Devils Postpil, HWUT Hardware Ranch, BW06 Boulder Array, BW06 Boulder Array, PD31 Pinedale Array, PDAR Pinedale Array, DUG Dugway, Tooele, DUG Dugway, Tooele, TCUT Toone Canyon, DGMT Dagmar, DGMT Dagmar, R11A Troy Canyon, C, R11A Troy Canyon, C, TOLK Toolik Lake Re, NLU North Lily Mtn, GRAC Grapevine Rang, PSUT Pine Spring, CWC Cottonwood Cre, VES1 Vesil, Richgr, TPNV Topopah Spring, TPNV Topopah Spring, FURC Furnace Creek, ISA Isabella, Lake, ISA Isabella, Lake, MPMC Manual Prospec, TCRU Three Creeks R, TMUT Trail Mountain, P17A Pinedale Array, ARVC Arvin, K22A Casper, K22A Casper, P18A Preston Nutter, LRMC Laurel Mtn Rad, CCUT Cedar City, SHPR Sheep Range, SZCU Shurtz Canyon, SHOC Shoshone, Teco, SRU San Rafael Swe, MTPU Mount Pierson, EDW2 Edwards Air Fo, GSC Goldstone, Bar, GSC Goldstone, Bar, RSSD Black Hills, RSSD Black Hills, LCMT Little Creek M, PKCU Pink Cliffs, O20A White River Ci, O20A White River Ci, KNB Kanab, TUQ Tuttle Moun, MWC Mount Wilson, HEC Hector, Ludlow, BFSC Mount Baldy Ra, LDFC Landfair, PV09 Paradox Valley, MDND Maddock, BBRC Big Bear Solar, N23A Red Feather La, N23A Red Feather La, GMRC Granite Moun, PV21 Cone Mtn, Par, PHWY Pilot Hill, U15A North Rim, PV23 Carpenter Ridg, PV14 Lion Creek, Pa, PV22 Blue Mesa, Par.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, and other parameters. Includes stations like PV20 West Nyswonger, PV19 Morning Glory, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, and other parameters. Includes stations like V41A Mountainview, MIAR Mount Ida, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, and other parameters. Includes stations like MK31 Makanchi Array, MK32 Makanchi Array, etc.

NEIC 28 11:23:42.0, 0.0, 52.61N; 132.23W, h20km, ML4.1(OTT), After OTT. PGC 28 11:23:41.8, 52.59N; 132.29W, h18km, 80km southwest of Sandspit, Bc Haida Gwaii region, Queen Charlotte Islands region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Phase ID Error, Time, Res, Res Error. Includes stations like DIB Dawson Inlet, DIB South Pole Qui, etc.

PGC 28 11:27:42.6, 11.0, 52.26N; 132.30W, h25km, 1km, mb4.8, ML4.9/19, Mw5.2, 115km Ssw of Sandspit, Bc Haida Gwaii Region

Bull 28 11:27:42.2, 52.40N; 132.20W, h11km, mb5.0/38, ms4.4/26, Ms5.1/17, Ms7.4/16. IDC 28 11:27:43.0, 0.4, 52.31N; 132.24W, h0km, mb4.5/36, mb1.4/6/43, ms1mx4.5/60, mbmp4.5/43, ML4.0/6, MS4.5/42, mb1.4/5.4/2, ms1mx4.4/5.4, Error ellipse: s-maj=10.6km s-min=6.4km az=58.0

MOS 28 11:27:44.4, 1.0, 52.43N; 132.17W, h16km, mb5.1/56, MS4.6/7, Error ellipse: s-maj=9.1km s-min=3.7km az=112.7. NEIC 28 11:27:45.0, 1.0, 52.45N; 132.13W, h10km, mb4.8/203, Mw5.2(OTT), Error ellipse: s-maj=3.9km s-min=1.3km az=46.0

ISCJTB 28 11:27:45.6, 0.4, 52.48N; 0.02; 132.04W; 0.03, h23km, 2km, mb4.8/193, MS4.6/50, Error ellipse: s-maj=3.9km s-min=1.5km az=140.8. ISC 28 11:27:47.0, 0.7, 52.43N; 0.04; 132.04W; 0.04, h26km, 4km, n879, s121/856, mb4.9/199, MS4.7/51, 18C-17D, Queen Charlotte Islands region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Phase ID Error, Time, Res, Res Error. Includes stations like BNB Barry Inlet, MOBC Moresby Island, DIB Dawson Inlet, etc.

Table with columns: ID, Name, Time, Status, Type, Location, and other details. Includes entries like E03D Eldon, E03A Lebam, FNBFB Fort Nelson, etc.

Table with columns: ID, Name, Time, Status, Type, Location, and other details. Includes entries like ORV Oroville, ORV Oroville, ORV Oroville, etc.

Table with columns: ID, Name, Time, Status, Type, Location, and other details. Includes entries like PMPB Monarch Peak, DGMT Dagmar, DGMT Dagmar, etc.

Table with columns: ID, Name, Address, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Azimuth Error, Distance Error. Includes entries like PV14 Lion Creek, PA22 Blue Mesa, PV20 West Nyswonger, etc.

Table with columns: ID, Name, Address, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Azimuth Error, Distance Error. Includes entries like ANMO Albuquerque, ANMO Albuquerque, ANMO Albuquerque, etc.

Table with columns: ID, Name, Address, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Azimuth Error, Distance Error. Includes entries like JCT Junction City, JCT Junction City, JCT Junction City, etc.

28d 11h

Table with columns: Station, Frequency, Power, Mode, and other parameters. Includes stations like V51A Loudon, TZTN Tazewell, X50B Fort Payne, etc.

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Table with columns: Station, Frequency, Power, Mode, and other parameters. Includes stations like H11N1 WAKE ISLAND Hy 57.03 259, ARAO ARCESS Array S 57.25 9, etc.

1394

Table with columns: Station, Frequency, Power, Mode, and other parameters. Includes stations like CLL Colim, DGZ Jazatar, BRG Berggiesshubel, etc.

28d 11h

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like Tymoovskoe, Gornyy, Usuriysk Arra, etc.

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

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

Table with columns: SRU, PFO, U15A, MORC, VOIR, BR13, BRTR, CLL, PV10, PV14, PV19, ARR, VYHS, PV17, Y12C, ANTO, PV13, VRAC, GZR, Y14A, BZS, SOP, CONA, GERES, WET, E38A, ECSD, VTS, VTS, VTS, SOKA, DIVS, TUC, WATA, ANMO, ANMO, LAZ, MOTA, SOTA, FETA, BNM, RAYN, RAYN, SENIN, TX31, TXAR, SLBS, LDG. Each row contains station name, coordinates, and various parameters.

LDG 28 11:38:17.1d.0.1, 46.02N:2.64W, h5km, Md3.5/2, Ml2.6/23, Error ellipse: s-maj=2.0km s-min=1.1km az=61.0, Bz of Biscay

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like MFF, QUIF, SGFM, ROSF, LFF, GRR, RJJ, SJPF, LDF, FLN, TCF.

Table with columns: TCF, ETSF, CAF, EPF, BGF, AVF, AVF, SSF, SSF, MTLF, LOR. Lists stations like Etsaut, Calviac, Esparrros, Bois d'Angland, Avril sur Loir, Saint Saulge, Montleouie, Lormet.

ISCJB 28 11:48:49.8t.0.0, 52.46N:0.08w:132.9W:0.2, h10km, mb3.6/3, Error ellipse: s-maj=18.9km s-min=9.3km az=156.4

ISC 28 11:48:49.7t.1.4, 52.42N:132.95W, h0km, mb3.7/3, mb1.3/8, mb1mx3.5/55, mbmtpp3.5/8, ML3.4/5, Error ellipse: s-maj=23.4km s-min=14.3km az=75.0

ISC 28 11:48:51.4t.1.3, 52.52N:0.1w:132.9W:0.2, h10km, n10, s=1500/10, mb3.8/3, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like H02S1, H02N1, BBB, DLBC, ILAR, NVAR, PDAR, TXAR, KURBS, MKAR, ISCJB, NEIC, ISC.

ISC 28 11:53:01.0t.0.0, 8.149S:168.20E, h0km, mb4.2/13, mb1.4/3.14, mb1mx4.1/44, mbtmp4.2/14, ML4.0/1, MS3.5/2, Ms1.3/5.2, ms1mx3.0/41, Error ellipse: s-maj=22.2km s-min=18.6km az=107.0

ISCJB 28 11:53:05.0t.0.4, 15.03S:0.06w:168.04E:0.07, h36km, mb4.4/32, MS3.7/1, Error ellipse: s-maj=9.8km

ISC 28 11:53:06.4t.0.6, 15.10S:0.07w:168.2E:0.11, h36km, n51, s=136/50, mb4.4/32, Vanuatu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like DZM, DZM, DZM, DZM, RAO, EIDS, OUZ, CTA, COEN, CAN, STKA, STKA, WB2, WRAB, WRI, WRA, AS01, AS31, ASAR, BBOO, SIJ, SFT, FITZ, MBWA, MJAR, MAJO, VNDA, VNDA, SBA, ASAJ, QSPA, CMAR, SONA, SONM, TRF, HDA, ILAR, NVAR, SHRP, LCMT, X16A, WUJAZ, MK32, MK32, ARAO, ARCES.

Table with columns: ARCES, AREO, SDD. Lists stations like ARCES Array B, ARCES Array S, Santo Domingo.

MOS 28 11:53:18.9t.0.9, 52.48N:132.12W, h10km, mb4.9/38, Error ellipse: s-maj=12.3km s-min=5.1km az=113.8, NEIC 28 11:53:18.0t.0.0, 52.36N:132.37W, h20km, mb4.6/154, MW5.1(OTT), After OTT, PGC 28 11:53:18.6t.3.3, 52.35N:132.39W, h24km, mb4.6, ML4.4/18, Mw5.1, 107km Ssw of Sandspit, Bc Haida Gwaii Region, IDC 28 11:53:18.0t.0.6, 52.33N:132.47W, h0km, mb4.1/22, mb1.4/2.3, mb1mx4.1/58, mbtmp4.1/32, ML3.5/10, MS3.9/16, Ms1.3/9.16, ms1mx3.6/44, Error ellipse: s-maj=13.2km s-min=8.4km az=52.0, ISCJB 28 11:53:20.6t.0.4, 52.48N:0.02w:132.14W:0.04, h22km, 3km, mb4.7/126, MS4.9/11, Error ellipse: s-maj=4.7km s-min=1.8km az=142.5, ISC 28 11:53:19.6t.1.3, 52.40N:0.04w:132.22W:0.04, h5km, n7km, n582, t136/57/7, mb4.8/126, MS3.9/11, 7C-5D, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like BNB, MOBC, DIB, DIB, H02S1, H02N1, VIB, NDB, MASB, RUBB, RUBB, BBB, PACB, MAYB, TLBC, WRAK, GDB, WOSB, NCRB, GDR, CBB, UBRB, WSLR, SIT, BTB, FSB, FSB, DZM, DZM, DZM, DZM, RAO, EIDS, OUZ, CTA, COEN, CAN, STKA, STKA, WB2, WRAB, WRI, WRA, AS01, AS31, ASAR, BBOO, SIJ, SFT, FITZ, MBWA, MJAR, MAJO, VNDA, VNDA, SBA, ASAJ, QSPA, CMAR, SONA, SONM, TRF, HDA, ILAR, NVAR, SHRP, LCMT, X16A, WUJAZ, MK32, MK32, ARAO, ARCES, D08A, H04A, NEW, NEW, I03D, RAGM, I04A, E09A, BMRM, EAK, G08A, K02D, J04D, PINE, DIV, FID, HUMO, F10A, J05D, KLU, GLI, L02E, L04D, K05A, BMO, EAK, JTMT, YBH, YBH, SCM, M02C, M04C, KDAK, KDAK, KDAK, SML, SML, PHM, PHM, KMM, Palmer.

28d 11h

Table with columns for station code, name, frequency, and other details. Includes stations like PMR Palmer, GHO Glory Hole Creek, MSO Missoula, etc.

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Table with columns for station code, name, frequency, and other details. Includes stations like IM3 Indian Mountain, MDPB Devils Postpile, BGU Big Grassy Mtn, etc.

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Table with columns for station code, name, frequency, and other details. Includes stations like U15A North Rim, MNDND Maddock, MNDND Maddock, etc.

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like TUC Tucson, ATKA Atka Island, and many others.

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like WCI Wyandotte Cave, R48A Northridge Ran, and many others.

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like ARU ARU, HHC Hu-ho-hao-te, and many others.

28d 12h

Table with columns: Station, Name, Time, Res, ISC. Includes entries for QSPA South Pole Qui, BOSA Boshof, BOSA Boshof.

ISCJB 28 11:58:42.9.1.0.52:42N.0:09:132:7W.0:2,h10km, mb3.6/4, Error ellipse: s-maj=20.8km s-min=9.2km az=152.6

IDC 28 11:58:43.0.1.3.52:41N:132:80W,h0km,mb3.6/4, mb1 3.8/8, mb1mx3.5/5.3, mbtmp3.5/8, ML3.4/3, Error ellipse: s-maj=23.4km s-min=13.2km az=68.0

ISC 28 11:58:44.8.1.3.52:50N.1:132:7W.0:2,h10km,n14, o#90/11,mb3.6/4,Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, BBB Bella Bella, etc.

IDC 28 12:05:05.1.2.4.52:03N:132:39W,h0km,mb3.7/1, mb1 3.8/8, mb1mx3.5/5.7, mbtmp3.4/6, ML3.5/5, Error ellipse: s-maj=41.6km s-min=15.5km az=71.0, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for BBB Bella Bella, DLBC Dease Lake, DLBC Dease Lake, etc.

IDC 28 12:09:37.8.1.5.52:61N:132:58W,h0km,mb3.7/3, mb1 3.8/8, mb1mx3.7/5.7, mbtmp3.6/8, ML3.4/5, MS3.6/5, MS1 3.6/5, ms1mx3.1/4.1, Error ellipse: s-maj=33.4km s-min=13.9km az=73.0

ISCJB 28 12:09:39.6.0.1.52:67N.0:03:132:53W.0:08,h18km, mb4.1/35, MS3.8/2, Error ellipse: s-maj=7.6km s-min=2.5km az=147.4

NEIC 28 12:09:40.9.0.2.52:64N:132:45W,h10km,mb4.0/62, Error ellipse: s-maj=8.3km s-min=2.2km az=52.0

ISC 28 12:09:41.8.0.7.52:73N.0:06:132:33W.0:09,h18km, n133, o138/127,mb4.1/35,Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for DIB Dawson Inlet, DIB Bella Bella, CRAIG Craig, etc.

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Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for QLMT Earthquake Lak, RUBR Rubicon Trail, YHR Holmes Hill, etc.

1400

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for mb4.7/270, Error ellipse: s-maj=2.6km s-min=2.1km az=37.1, NEIC 28 12:11:15.4.0.4.36:42N:71:13E, etc.

MOS 28 12:11:14.0.1.0.36:44N:71:14E,h210km,mb4.7/95, Error ellipse: s-maj=4.7km s-min=3.2km az=112.2

BUI 28 12:11:14.0.1.0.36:52N:71:09E,h203km,mb4.8/39,mb5.0/23

ISCJB 28 12:11:14.0.2.0.36:44N.0:01:71:11E.0:02,h210km,2km,

Table with columns for station name, frequency, power, and other technical details. Includes stations like MAK2, MAKZ, MK01, MK31, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like SHL, SHL, SHL, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like MOS, MOS, EREN, etc.

VSU	comp-Z,122nm,0.7s	Iamb	Iamb	12 17 59.4					
VSU	Vasula	36.30 322e	iP	P	max				12 17 58.7 +0.1
SANT	Santorini	36.48 284	eP	P					12 18 00.5 -0.1
SRS	Serrai	36.98 292	P	P					12 18 06.2 +1.5
DRGR		37.11 302	iP	P					12 18 07.5 +1.8
DRGR		37.11 302	iP	P					12 18 07.5 +1.8
KWP	Kalwaria Pacia	37.13 306	eP	P					12 18 06.0 +0.2
KWP	Kalwaria Pacia	37.13 306	eP	P					12 18 07.0 +1.2
KWP	Kalwaria Pacia	37.13 306	eP	P					12 20 01.4 +0.2
KWP	Kalwaria Pacia	37.13 306	eP	P					12 18 06.0 +0.2
GZR	Gura Zlata	37.13 299	iP	P					12 18 06.3 +0.9
IDI	Anoyia	37.20 282	P	P					12 18 06.4 -0.3
IDI	Anoyia	37.20 282	eP	P					12 18 06.2 -0.5
IDI	Anoyia	37.20 282	iP	P					12 18 06.3 -0.3
TRPA	Tarpa	37.21 304	iP	P					12 18 08.1 +1.6
SUW	Suwalki	37.23 314	eP	P					12 18 06.5 -0.1
SUW	Suwalki	37.23 314	eP	P					12 18 06.4 -0.2
SUW	Suwalki	37.23 314	eP	P					12 18 06.5 -0.1
UZH	Uzhgorod	37.38 305	iP	P					12 18 08.7 +0.8
PKDT	Phuket	37.71 132	P	P					12 18 12.8 +1.8
SIRR	Siria	37.86 301	iP	P					12 18 13.7 +1.7
MDVR	Moldovita	37.92 298	iP	P					12 18 13.7 +1.1
BZS	Buzias	37.93 300	iP	P					12 18 14.2 +1.7
BZS	Buzias	37.93 300	iP	P					12 18 14.2 +1.7
SUF	Sumaiens	38.03 328	P	P					12 18 13.7 +0.6
MSF	Maaselka	38.29 334	P	P					12 18 15.9 +0.6
MSF	Maaselka	38.29 334	P	P					12 18 15.9 +0.6
TRTT	Trang	38.57 131	P	P					12 18 19.1 +0.9
NIE	Niedzica	38.69 306	eP	P					12 18 20.2 +1.3
NIE	Niedzica	38.69 306	eP	P					12 18 20.2 +1.3
FNA	Florina	38.69 292	eP	P					12 18 19.1 +0.1
FNA	Florina	38.69 292	eP	P					12 18 19.2 +0.1
FNA	Florina	38.69 292	eP	P					12 18 19.2 +0.1
PSZ	Piszkesteto	38.99 304	eP	P					12 18 22.4 +1.0
PSZ	Piszkesteto	38.99 304	iP	P					12 18 22.5 +1.1
PSZ	Piszkesteto	38.99 304	iP	P					12 18 22.6 +1.1
OJC	Ojcow	39.02 307	eP	P					12 18 22.0 +0.4
OJC	Ojcow	39.02 307	eP	P					12 18 22.0 +0.4
OJC	Ojcow	39.02 307	eP	P					12 18 22.0 +0.4
ITM	Ithomi	39.03 286	eP	P					12 18 21.2 -0.7
KLNR	Kaliningrad	39.03 314	iP	P					12 18 21.8 +0.2
KLNR	Kaliningrad	39.03 314	iP	P					12 18 21.8 +0.2
LHMI	Lhok Sumawe	39.06 136	eP	P					12 18 23.1 +0.8
OUL	Oulu	39.09 332	P	P					12 18 22.2 +0.4
OUL	Oulu	39.09 332	P	P					12 18 22.2 +0.4
DIVS	Divibare	39.22 297	eP	P					12 18 24.1 +0.7
NJ2	Nanjing	39.40 82	eP	P					12 18 25.5 +0.6
MLSI	Meulaboh, Aceh	39.56 138	P	P					12 18 25.7 -0.7
YAF	Ylitaro	39.64 328	P	P					12 18 27.1 +0.7
YAF	Ylitaro	39.64 328	P	P					12 18 27.1 +0.7
VYHS	Vyhne	39.67 304	eP	P					12 18 27.9 +0.9
VYHS	Vyhne	39.67 304	eP	P					12 18 27.9 +0.9
VYHS	Vyhne	39.67 304	eP	P					12 20 08.1 0.0
SGF	Sodankylä	39.91 335	P	P					12 18 29.6 +1.0
SGF	Sodankylä	39.91 335	P	P					12 18 29.6 +1.0
JAVC	Velka Javorina	40.43 305	eP	P					12 18 34.7 +1.4
MORC	Moravsky Berou	40.48 307	eP	P					12 18 34.3 +0.7
MORC	Moravsky Berou	40.48 307	iP	P					12 18 34.8 +1.2
MORC	Moravsky Berou	40.48 307	iP	P					12 18 34.8 +1.2
MORC	Moravsky Berou	40.48 307	eP	P					12 18 34.4 +0.7
GKP	Gorka Klasztor	40.69 312	eP	P					12 18 35.7 +0.5
GKP	Gorka Klasztor	40.69 312	eP	P					12 18 35.7 +0.5
MODS	Modra-Piesok	40.72 304	eP	P					12 18 35.7 +0.1
MODS	Modra-Piesok	40.72 304	eP	P					12 18 35.7 +0.1
MODS	Modra-Piesok	40.72 304	eP	P					12 18 35.7 +0.1
TPTI	Kevo	40.83 138	P	P					12 18 37.4 +0.7
KEV	Kevo	40.90 338	eP	P					12 18 37.4 +0.7
KEV	Kevo	40.90 338	eP	P					12 18 37.4 +0.7
KEV	Kevo	40.90 338	eP	P					12 18 37.4 +0.7
KCSI	Kotaacane, Aceh	40.93 137	P	P					12 18 36.1 -1.5
KRLC	Kraliky	40.96 307	eP	P					12 18 38.3 +0.7
KRLC	Kraliky	40.96 307	eP	P					12 18 38.3 +0.7
SNSI	Sinabang, Aceh	41.09 140	P	P					12 18 39.7 +0.8
VRAC	Vranov	41.12 306	iP	P					12 18 39.1 +0.3
VRAC	Vranov	41.12 306	iP	P					12 18 40.3 +1.5
VRAC	Vranov	41.12 306	iP	P					12 18 40.3 +1.5
VRAC	Vranov	41.12 306	eP	P					12 18 39.8 +1.0
KULM	Kulim	41.16 132	eP	P					12 18 39.8 +0.3
KULM	Kulim	41.16 132	eP	P					12 20 34.0 -0.5
ARA0	ARCESS Array S	41.25 338	eP	P					12 18 40.4 +0.8
ARCES	ARCESS Array B	41.25 338	P	P					12 18 40.4 +0.8
ARE0	ARCESS Array S	41.25 338	eP	P					12 18 40.4 +0.8
ARE0	ARCESS Array S	41.25 338	eP	P					12 18 40.4 +0.8
SOP	Sopron	41.25 303	P	P					12 18 40.8 +0.9
SOP	Sopron	41.25 303	P	P					12 18 40.8 +0.9
DPC	Dobruska-Polom	41.25 307	eP	P					12 18 41.0 +1.1
DPC	Dobruska-Polom	41.25 307	eP	P					12 18 41.0 +1.1
KRUC	Moravsky	41.26 305	P	P					12 18 41.1 +1.2
KRUC	Moravsky	41.26 305	P	P					12 18 41.1 +1.2
KRUC	Moravsky	41.26 305	eP	P					12 18 40.7 +0.8
CONA	Conrad Observa	41.69 304	iP	P					12 18 44.8 +1.2
KTK1	Kautokeino	41.72 336	eP	P					12 18 44.0 +0.6
TREC	Trest	41.84 306	eP	P					12 18 46.0 +1.3
TREC	Trest	41.84 306	eP	P					12 18 46.0 +1.3
ARSA	Arzberg	41.99 303	iP	P					12 18 46.0 +0.1
IPM	Iphoh	42.03 132	eP	P					12 18 46.4 -0.1
IPM	Iphoh	42.03 132	eP	P					12 20 37.1 -0.3
ZEA	Zeya	42.05 47	eP	P					12 18 47.6 +1.3
ZEA	Zeya	42.05 47	eP	P					12 18 47.6 +1.3
BSD	Bornholm Skovb	42.12 315	iP	P					12 18 46.4 -0.4
BSD	Bornholm Skovb	42.12 315	iP	P					12 18 46.4 -0.4
PSI	Prapat	42.17 136	eP	P					12 18 47.0 -0.8
PSI	Prapat	42.17 136	eP	P					12 18 47.0 -0.8
PSI	Prapat	42.17 136	eP	P					12 18 47.0 -0.8
GOPC	GO Pecny, Ondr	42.26 307	eP	P					12 18 49.2 +1.2
GOPC	GO Pecny, Ondr	42.26 307	eP	P					12 18 49.2 +1.2
HAMF	Hammerfest	42.33 339	eP	P					12 18 49.2 +1.0
PVCC	Panska Ves	42.36 308	eP	P					12 18 50.0 +1.2
PVCC	Panska Ves	42.36 308	eP	P					12 18 50.0 +1.2
SOKA	Sotho	42.38 302	iP	P					12 18 50.3 +1.1
PRA	Prague	42.47 307	eP	P					12 18 51.2 +1.5
PRA	Prague	42.47 307	eP	P					12 18 51.2 +1.5
GSI	Gunungsitoli	42.68 139	eP	P					12 18 52.9 +1.1
GSI	Gunungsitoli	42.68 139	eP	P					12 18 52.8 +1.0
BRG	Bergjesshubel	42.74 308	iP	P					12 18 52.6 +0.8

BRG	Bergjesshubel	42.74 308	iP	P					12 18 52.6 +0.8
BRG	Bergjesshubel	42.74 308	iP	P					12 18 52.6 +0.8
MOA	Molin	42.77 304	iP	P					12 18 53.0 +0.8
RGN	Rugen	43.03 314	eP	P					12 18 55.0 +0.9
GEAO	GERESS Array S	43.05 305	eP	P					12 18 54.6 +0.2
GE2C	GERESS Array S	43.05 305	eP	P					12 18 55.0 +0.5
GE2C	GERESS Array S	43.05 305	eP	P					12 18 55.0 +0.5
GERES	GERESS Array B	43.05 305	P	P					12 18 55.1 +0.6
GERES	GERESS Array B	43.05 305	P	P					12 20 41.4 +1.0
KHC	Kasperske Hory	43.10 306	eP	P					12 18 55.6 +0.8
KHC	Kasperske Hory	43.10 306	eP	P					12 18 55.2 +0.4
KHC	Kasperske Hory	43.10 306	eP	P					12 18 55.6 +0.8
CLL	Collin	43.31 309	iP	P					12 18 56.4 +0.1
CLL	Collin	43.31 309	iP	P					12 18 56.5 +0.1
CLL	Collin	43.31 309	iP	P					12 18 56.5 +0.1
MYKA	Terra Mystica	43.34 302	iP	P					12 18 57.5 +0.6
TRO	Trosas	43.37 336	eP	P					12 18 57.0 +0.4
NKC	Novy Kostel	43.73 307	eP	P					12 19 02.9 +3.0
NKC	Novy Kostel	43.73 307	eP	P					12 19 02.9 +3.0
MORB	Moy Rana	43.92 331	eP	P					12 19 00.8 -0.3
YAK	Yakutsk	43.97 35	eP	P					12 19 01.3 -0.2
YAK	Yakutsk	43.97 35	eP	P					12 19 01.5 0.0
YAK	Yakutsk	43.97 35	eP	P					12 19 01.1 -1.4
YAK	Yakutsk	43.97 35	eP	P					12 19 01.1 -1.4
YAK	Yakutsk	43.97 35	eP	P					12 19 01.1 -1.4
STEI	Steigen	44.08 333	eP	P					12 19 02.8 +0.5
ABTA	Abfattersbach	44.09 302	iP	P					12 19 02.4 -0.5
MNSI	Mandailing Nat	44.19 137	P	P					12 19 04.2 +0.4
PBSI	Pulau Batu	44.20 139	P	P					12 19 04.8 +1.0
MOX	Moxa	44.23 308	P	P					12 19 04.5 +0.7
MOX	Moxa	44.23 308	P	P					12 19 04.5 +0.7
NC405	NORSAR Array S	44.26 323	eP	P					12 19 03.9 +0.1
NC602	NORSAR Array S	44.30 323	eP	P					12 19 03.8 -0.4
NC602	NORSAR Array S	44.30 323	eP	P					12 19 03.8 -0.4
STRU	Stroemstad	44.36 320	eP	P					12 19 04.3 -0.2
NC303	NORSAR Array S	44.44 323	eP	P					12 19 05.3 +0.3
NB201	NORSAR Array S	44.45 323	eP	P					12 19 05.3 -0.1
SSLB	Suangleung	44.47 92	eP	P					12 19 02.8 +2.1
NB2	N								

BIGH	Upper Bighouse	52.22 320f	eP	P	12 20 04.6	0.0
FLN	La Foliniere	52.28 307	eP	P	12 20 04.1	-1.1
FLN			pmax	pmax		
EDI	comp=Z,14nm,0.6s					
EDI	Edinburgh	52.30 317	eP	IAMB	12 20 05.0	-0.2
ESK	comp=Z,47nm,0.7s					
ESK	Eskdalemuir	52.43 316	eP	P	12 20 06.1	-0.1
ESK	comp=Z,40nm,1.0s					
ESK	Eskdalemuir	52.43 316	eP	P	12 20 05.6	-0.6
INU	Inuyama	52.43 70	eP	P	12 20 07.3	+0.8
LF	La Frestrate	52.51 303	eP	P	12 20 06.6	-0.3
MBAR	Mbarara	52.54 235	eP	P	12 20 08.2	+0.5
MBAR	comp=Z,20nm,0.8s					
MBAR	Saint Martin d	52.63 305	eP	pmax	12 20 07.6	-0.2
MFF						
MFF	comp=Z,12nm,0.8s					
MFF	Invergelde, C	52.67 318	eP	P	12 20 07.5	-0.5
YSS	Yuzh-Sakhalins	52.79 55	eP	P	12 20 10.2	+1.2
HLMI	Long Mynd	52.85 313	eP	P	12 20 08.9	-0.5
EAB	Aberfoyle	52.88 317	eP	P	12 20 09.2	-0.3
MJB9	Matsu-Tunnel	52.89 68	eP	P	12 20 09.9	0.0
MAJO	Matsushiro	52.90 68	eP	P	12 20 09.7	-0.2
MAJO	comp=Z,6.0nm,0.6s					
MAJO	Matsushiro Arr	52.90 68	eP	P	12 20 09.2	-0.2
MJAR	comp=Z,2.9nm,0.7s,baz=279,slow=12,SNR=9.2					
MJAR	Matsushiro Arr	52.90 68	eP	P	12 20 09.4	-0.5
MJAR	comp=Z,2.8nm,0.9s,baz=288,slow=9.6,SNR=4.3					
RSC	Scourie	52.90 320f	eP	P	12 20 09.5	0.0
MONM	Monmouth	52.97 312f	eP	P	12 20 09.6	-0.5
MCH1	Michaelchoch	53.04 312f	eP	P	12 20 10.1	-0.6
MCH1			IAMB	IAMB	12 20 11.0	
KAC	Achnashellach	53.13 319f	eP	P	12 20 11.2	-0.1
LLW	Llanwchllyn	53.24 313	eP	P	12 20 11.8	-0.3
WPM1	Pennanmawr	53.28 314	eP	P	12 20 12.1	-0.4
KPL	Penknoct	53.35 319	eP	P	12 20 12.3	-0.5
EPF	Esparrros	53.36 300	eP	P	12 20 11.7	-1.6
EPF			pmax	pmax		
GAL1	Galloway	53.37 316f	eP	P	12 20 12.8	-0.3
GAL1			IAMB	IAMB	12 20 14.0	
IOMK	Kirk Michael	53.43 315f	eP	P	12 20 13.6	+0.1
IOMK			IAMB	IAMB	12 20 14.2	
LAW	Loch Awe, Argy	53.45 318	eP	P	12 20 13.3	-0.3
WLF1	Lyntaas	53.56 314	eP	P	12 20 14.0	-0.4
YRC	Rhoscolwyn	53.67 314	eP	P	12 20 15.1	-0.2
SGMF	Saint Gilles	53.75 307	eP	P	12 20 15.1	-0.2
ETSF	Etsaut	54.03 300	eP	P	12 20 17.7	-0.4
ETSF			pmax	pmax		
HTL	Hartland	54.20 311	eP	P	12 20 18.4	-0.7
QUIF	Quistinic	54.23 307	eP	P	12 20 18.3	-1.1
QUIF			pmax	pmax		
MA2	Magadan	54.37 38	P	P	12 20 20.3	+0.1
MA2	comp=Z,5.5nm,1.0s,baz=271,slow=11,SNR=4.1					
MA2	Magadan	54.37 38f	eP	pmax	12 20 20.7	+0.5
SEY	Seymchan	54.43 34	P	P	12 20 20.7	+0.1
SEY	comp=Z,2.1nm,0.9s,baz=271,slow=9.5,SNR=14					
SEY	Seymchan	54.43 34f	iP	P	12 20 21.2	+0.6
DAG	Danmarks Havn	54.83 344	iP	P	12 20 23.6	+0.4
DAG	Danmarks Havn	54.83 344	iP	P	12 20 23.6	+0.4
CCA1	Carmenelles	54.88 310	eP	P	12 20 23.2	-0.8
CCA1			IAMB	IAMB	12 20 24.1	
CART	Cartagena	56.23 295	eP	P	12 20 33.9	+0.1
SCO	Scoresbysund	57.16 336	eP	P	12 20 41.6	+1.8
SCO	comp=Z,8.1nm,0.8s					
SCO	Scoresbysund	57.16 336	iP	P	12 20 41.1	+1.3
SCO	Scoresbysund	57.16 336	eP	P	12 20 41.6	+1.8
ES19	SONSECA Array	57.52 298	eP	P	12 20 42.9	0.0
ES19	comp=Z,2.9nm,0.7s,baz=58,slow=7.3,SNR=59					
ESLA	Sonsea Array	57.57 298	eP	P	12 20 43.3	0.0
TAM	Tamarsset	57.63 276	eP	P	12 20 45.7	+1.6
PAB	San Pablo	57.90 298	eP	P	12 20 45.5	-0.1
PAB	comp=Z,7.1nm,0.8s					
PAB	San Pablo	57.90 298	eP	pmax	12 20 45.5	-0.1
BILL	Bilibino	58.63 26	eP	P	12 20 51.2	+1.1
BILL	comp=Z,11nm,0.7s					
BILL	Bilibino	58.63 26f	iP	P	12 20 50.8	+0.7
BILL			iPP	P	12 21 37.2	-0.5
BILL			pmax	pmax		
BORG	Borgarnes	58.71 330	eP	P	12 20 53.1	+2.4
BORG	comp=Z,5.5nm,0.6s					
BORG	Borgarnes	58.71 330	eP	pmax	12 20 53.1	+2.4
MRSI	Mariass	59.05 115	P	P	12 20 55.8	+2.1
RER	Riviere de l'E	59.09 197	eP	P	12 20 55.3	+1.4
RER	comp=Z,87nm,1.1s					
RER	Moncorvo	59.15 301	eP	S	12 28 42.2	-1.7
RER	comp=Z,29nm,1.6s					
ABPO	Ambohianpom	59.59 206	eP	P	12 20 58.4	+1.0
ABPO	comp=Z,10.0nm,0.8s					
ABPO	Ambohianpom	59.59 206	eP	pmax	12 20 58.4	+1.0
PGAV	Gaviere, Arco	59.69 302	eP	P	12 20 58.2	+0.3
MTE	Manteigas	59.81 300	eP	P	12 20 59.3	+0.6
MTE	comp=Z,18nm,1.7s					
MTE	Manteigas	59.81 300	eP	P	12 20 59.4	+0.7
PVIS	Visu	59.93 300	eP	P	12 20 59.8	+0.3
PVIS	comp=Z,53nm,1.9s					
PCBR	Castelo Branco	59.99 299	eP	P	12 21 00.3	+0.5
PESTR	Estremoz	60.47 298	eP	P	12 21 03.2	0.0
PESTR	comp=Z,2.5nm,1.6s					
PESTR	Estremoz	60.47 298	eP	P	12 21 03.0	-0.1
PTOM	Tomar	60.74 299	eP	P	12 21 05.3	+0.4
EVO	Evora	60.91 298	eP	P	12 21 08.3	+2.2
PBEJ	Beja	61.02 298	eP	P	12 21 08.0	+1.1
SUMG	Summit	61.16 341	eP	P	12 21 08.9	+1.2
SUMG	comp=Z,51nm,0.7s					
SUMG	Summit	61.16 341	iP	P	12 21 08.9	+1.2
SUMG	comp=Z,125nm,0.7s					
PVAQ	Vaqueiros	61.18 297	eP	P	12 21 07.8	-0.1
MESJ	Messejana	61.36 298	eP	P	12 21 09.5	+0.4
PBDV	Barranco-do-ve	61.41 297	eP	P	12 21 09.8	+0.3
PTEO	Sao Teotonio	61.84 297	eP	P	12 21 12.8	+0.5
PTEO	comp=Z,32nm,2.0s					
LSZ	Lusaka	65.47 226	eP	P	12 21 36.5	+0.2
LSZ	comp=Z,18nm,0.7s					
LSZ	Lusaka	65.47 226	eP	pmax	12 21 36.5	+0.2
LSZ			pmax	pmax		
TOAO	Torodi Ar. Sit	65.81 269	eP	P	12 21 35.2	-3.2
TOAO	comp=Z,22nm,0.7s					

TOAI	Torodi Ar. Sit	65.81 269	eP	P	12 21 35.2	-3.2
TORD	Torodi Ar. Bea	65.81 269	P	P	12 21 35.2	-3.2
SFJD	Kangerlussuaq	67.86 339	P	P	12 21 50.0	-0.5
SFJD	comp=Z,1.1nm,0.4s,baz=63,slow=1.6,SNR=12					
RES	Resolute Bay	68.78 356	P	P	12 21 56.8	+0.7
RES	comp=Z,3.4nm,0.3s,baz=32,slow=5.8,SNR=22					
RES	Resolute Bay	68.78 356	eP	P	12 21 56.8	+0.7
BLWY	Bulawayo	69.12 223	iP	P	12 21 59.1	-0.1
BLWY	comp=Z,7.4nm,0.6s					
MATP	Matopos	69.42 223	iP	P	12 22 01.1	+0.1
MATP	comp=Z,1.9nm,0.8s					
MATP	Matopos	69.42 223	iP	P	12 22 01.1	+0.1
COLD	Coldfoot	72.02 16	eP	P	12 22 16.7	+0.8
FYU	Fort Yukon	73.62 14	eP	P	12 22 26.7	+1.5
MLY	Manley	73.72 17	eP	P	12 22 26.6	+0.6
MLY	comp=Z,10nm,0.9s					
INK	Inuvik	73.96 9	eP	P	12 22 27.9	+0.7
INK	comp=Z,1.5nm,0.5s,baz=339,slow=5.2,SNR=92					
INK	Inuvik	73.96 9	eP	P	12 22 27.9	+0.7
MDW	Murphy Dome	74.36 16	eP	P	12 22 29.9	+0.3
MDW	comp=Z,19nm,0.9s					
BPAW	Bear Paw Mtn.	74.44 18	eP	P	12 22 30.3	+0.2
BPAW	comp=Z,1.2nm,0.8s					
COLA	College	74.52 16	eS	S	12 31 46.0	-0.6
COLA	comp=Z,29nm,0.8s					
COLA	College	74.52 16	eP	P	12 22 31.1	+0.6
COLA			pmax	pmax		
LBTB	Labatse	74.69 222	eP	P	12 22 32.6	+0.5
LBTB	comp=Z,36nm,0.5s					
CAST	Castle Rocks	74.72 19	eP	P	12 22 31.5	-0.3
CCB	Clear Creek Bu	74.73 16	eP	P	12 22 31.0	-0.6
CCB	comp=Z,40nm,1.0s					
BWN	Browne	74.74 17	eP	P	12 22 32.3	+0.5
DBIC	Dimboko	74.78 267	P	P	12 22 31.3	-1.6
DBIC	comp=Z,3.8nm,0.4s,baz=30,slow=7.3,SNR=13					
WRH	Wood River Hill	74.81 16	eP	P	12 22 32.0	-0.2
WRH	comp=Z,6.5nm,0.6s					
IL1	Eielson Array	74.82 16	eP	P	12 22 31.4	-0.8
ILAR	Eielson Array	74.83 16	P	P	12 22 31.7	-0.6
ILAR	comp=Z,6.7nm,0.9s,baz=317,slow=4.8,SNR=33					
ILB	Eielson Array	74.83 16	eP	P	12 22 32.0	-0.3
KIC	Kosar Bu	74.87 267	eP	P	12 22 31.8	-1.6
KIC	comp=Z,2.2nm,0.7s					
TIC	Toumudi	74.93 267	eP	P	12 22 32.1	-1.6
TIC	comp=Z,2.9nm,0.8s					
TSUM	Tsumbe	74.94 232	eP	P	12 22 33.9	+0.2
TSUM	comp=Z,8.8nm,0.6s					
HDA	Harding Lake	75.12 16	eP	P	12 22 32.1	-1.9
HDA	comp=Z,6.7nm,0.9s					
HDA	Harding Lake	75.12 16	eS	S	12 31 53.1	-1.0
PPLA	Purkeyville	75.12 19	eP	P	12 22 34.3	+0.1
PPLA	comp=Z,9.7nm,0.7s					
LIC	Lamto	75.18 267	eP	P	12 22 34.3	-1.7
LIC	comp=Z,2.6nm,0.8s					
MCK	McKinley	75.24 17	eP	P	12 22 35.0	+0.3
MCK	comp=Z,8.8nm,0.6s					
MCK	McKinley	75.24 17	eP	pmax	12 22 35.0	+0.3
SVW2	Sparrevoth	75.64 21	eP	P	12 22 37.6	+0.6
SVW2	comp=Z,9.0nm,0.6s					
SKT	Skwentna	76.06 19	eP	P	12 22 39.0	-0.3
SKT	comp=Z,2.2nm,0.9s					
CRK	Sand Creek	76.14 15	eP	P	12 22 40.5	+0.6
CRK	comp=Z,1.1nm,0.7s					
SDR	Independ. Rid	76.17 16	eP	P	12 22 39.9	-0.1
SDR	comp=Z,6.9nm,0.6s					
DHY	Denali Highway	76.17 17	eP	P	12 22 40.2	+0.1
DHY	comp=Z,1.5nm,0.6s					
DOT	Dot Lake	76.42 15	eP	P	12 22 41.5	+0.1
DOT	comp=Z,7.8nm,0.7s					
SUA	Susitna One	76.70 19	eP	P	12 22 42.9	-0.1
SUA	comp=Z,1.2nm,1.0s					
PMR	Palmer	77.01 18	eP	P	12 22 44.5	-0.1
PMR	comp=Z,1.1nm,0.9s					
PMR	Palmer	77.01 18	eP	pmax	12 22 44.5	-0.1
PMR			pmax	pmax		
SML	Sawmill	77.03 18	eP	P	12 22 45.1	+0.3
SML	comp=Z,19nm,0.7s					
SML	Sawmill	77.03 18	eP	pmax	12 22 45.1	+0.3
SML			pmax	pmax		
SCM	Sheep Creek Mo	77.25 18	eP	P	12 22 46.3	+0.2
SCM	comp=Z,29nm,0.7s					
SCM	Sheep Creek Mo	77.25 18	eP	pmax	12 22 46.3	+0.2
SCM			pmax	pmax		</

28D 12h

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and other parameters. Includes stations like E04D Cinebar, LON Longmire, F05D White Salmon, etc.

2012 OCT

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and other parameters. Includes stations like TOLK Toolik Lake Re, R11A Troy Canyon, CWC Cottonwood Cre, etc.

1404

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and other parameters. Includes stations like V41A Mountainview, MIAR Mount Ida, P45A Greenland, etc.

PGC 28 12:22:43.0±0.2, 52°82'N±132°41'W, h12km, 5km, 62km southwest of Sandpit, Bc Haida Gwaii Region
ISCJB 28 12:23:09.0±1.4, 52°59'N±109°13'W±0.3, h10km, mb3.5/3, Error ellipse: s-maj=23.7km s-min=11.91km az=163.5

ISC 28 12:23:09.1±1.3, 52°57'N±133°01'W, h0km, mb3.5/3, m1 3.6/7, mb1mx3.4/43, mbmtmp3.3/7, ML3.3/4, Error ellipse: s-maj=20.6km s-min=10.7km az=97.0
ISC 28 12:23:11.3±1.5, 52°6'N±101°132'9W±0.2, h10km, n8, ±137'8, mb3.4/3, Queen Charlotte Islands region

ISCJB 28 12:28:04.1±1.3, 52°65'N±131°39'W±0.3, h10km, mb3.4/2, Error ellipse: s-maj=23.7km s-min=8.9km az=150.6
ISC 28 12:28:04.8±1.5, 52°67'N±131°65'W, h0km, mb3.3/2, m1 3.6/7, mb1mx3.4/41, mbmtmp3.2/7, ML3.3/4, Error ellipse: s-maj=19.6km s-min=9.5km az=47.0

ISC 28 12:28:05.4±1.5, 52°6'N±101°131'9W±0.2, h10km, n7, ±087'8, Queen Charlotte Islands region
ISCJB 28 12:31:34.0±0.7, 52°83'N±132°20'W±0.1, h10km, mb3.5/6, MS3.6/2, Error ellipse: s-maj=12.7km s-min=6.9km az=146.0

IDD 28 12:38:41.6i,0.9,52.56N,132.33W,h0km,mb3.9/10,
mb1.4/0.19,mb1mx3.9/4.1,mbmp3.8/19,ML3.9,MS3.6/3,
Ms1.3/6.3,ms1mx3.0/4.7,Error ellipse: s-maj=17.3km
s-min=9.0km az=36.0
NEIC 28 12:38:43.0i,0.0,52.63N,132.47W,h5km,mb4.0/6.1,
ML4.5(OTT),After OTT
PGC 28 12:38:43.3i,7.6,52.60N,132.48W,h16km,142km,84km
southwest of Sandspit, Bc Haida Gwaii Region
ISCJB 28 12:38:44.5i,0.2,52.74N,0.03,132.38W,0.07,h22km,
mb4.1/3.7,MS3.6/2,Error ellipse: s-maj=7.0km
s-min=2.1km az=142.2

ISC 28 12:38:46.4i,0.6,52.77N,0.07,132.30W,0.08,h22km,
n219,i1925/216,mb4.1/3.7,Queen Charlotte Islands
region

Code	Station Name	A°	AZ°	Phase ID	Time	Res
					h m s	ISC
DIB	Dawson Inlet,	0.44	346	Op	12	38 54.1 -1.4
DIB	Dawson Inlet,			Pb	12	39 03.3 -1.5
BBB	Bella Bella	2.63	101	eSg	12	39 24.2 -3.2
BBB	Bella Bella			Sn	12	40 03.6
BBB	100nm,0.3s,baz=271,slow=10,SNR=8.6			Lg	12	40 03.6
BBB	Bella Bella	2.83	101	ePn	12	39 28.8 +1.3
CRAG	Craig	2.75	350	ePn	12	39 27.7 -1.3
WRAK	Wrangell	3.65	360	ePn	12	39 41.2 -0.3
SIT	Sitka	4.63	339	ePn	12	39 52.2 -2.8
JIS	Juneau Island	5.64	349	ePn	12	40 09.1 +0.3
DLBC	Dease Lake	5.82	12	Pn	12	40 14.4 +3.0
DLBC	1.1nm,0.3s,baz=210,slow=10,SNR=5.0			Lg	12	41 51.8
DLBC	3.4nm,0.3s,baz=298,slow=18,SNR=7.3			Lg	12	40 27.8 +1.5
SKAG	Skagway	6.91	347	ePn	12	40 27.8 +1.5
AG5A	Maple Falls	7.49	322	ePn	12	40 35.0 +0.9
NLWA	Nelton Lookou	7.64	131	ePn	12	40 32.2 +2.8
PCA	Pinnacle	8.56	332	ePn	12	40 49.4 +0.5
HYT	Haines Junctio	8.56	343	ePn	12	40 50.9 +1.9
LON	Longmire	9.07	127	ePn	12	40 56.1 0.0
LT	Liberty	9.30	122	ePn	12	40 59.5 +0.4
RAG	Ragged Mountai	10.22	322	ePn	12	41 13.4 +1.9
BMRM	Bremner River	10.60	326	ePn	12	41 17.7 +0.8
NEW	Newport	10.66	109	Pn	12	41 13.8 -4.0
NEW	0.1nm,0.3s,baz=36,slow=19,SNR=1.7			Lg	12	44 17.4
NEW	0.1nm,0.3s,baz=32,slow=20,SNR=4.4			Lg	12	41 25.9 +1.7
10A4	Tendick Farm,	11.13	140	P	12	41 25.9 +1.7
KLU	Klutina	11.43	325	ePn	12	41 28.8 +0.6
GLI	Glacier Island	11.45	321	ePn	12	41 28.7 +0.3
HAAR	Harbor	11.47	322	ePn	12	41 28.7 +0.2
DAWY	Dawson	11.91	345	ePn	12	41 40.8 +6.1
HUMO	Hull Mountain	11.95	145	ePn	12	41 37.7 +2.4
J05D	Fort Rock, OR	12.03	138	P	12	41 38.6 +2.1
L02E	Cave Junction	12.13	148	P	12	41 39.3 +1.5
SCM	Sheep Creek Mo	12.15	324	ePn	12	41 37.7 -0.3
BRLK	Bradley Lake	12.45	312	ePn	12	41 41.0 -1.0
DOT	Dot Lake	12.52	335	ePn	12	41 45.3 +2.4
JTMT	Jette	12.57	106	ePn	12	41 45.8 +2.0
KDAK	Kodiak Island	12.58	302	Pn	12	41 41.3 -2.6
K05A	Summer Lake	12.63	138	ePn	12	41 46.7 +1.9
PMR	Palmer	12.67	321	ePn	12	41 45.3 +0.4
GHO	Glory Hole Cre	12.70	322	ePn	12	41 45.3 +0.2
SCRK	Sand Creek	12.77	336	ePn	12	41 47.1 +0.6
RIDG	Independ'le Rid	12.79	334	ePn	12	41 47.3 +0.5
YBH	Yreka Blue Hor	12.81	146	Pn	12	41 45.4 -1.8
YBH	0.0nm,0.3s,baz=216,slow=7.0,SNR=2.1			Pn	12	41 44.4 -2.8
YBH	Yreka Blue Hor	12.81	146	ePn	12	41 44.4 -2.8
EGAK	Eagle	12.87	343	ePn	12	41 48.6 +0.9
DHY	Denali Highway	13.03	328	ePn	12	41 51.9 +1.9
M04C	Macdoel	13.07	143	P	12	41 52.5 +1.7
SII	Sitkinak Islan	13.20	295	ePn	12	41 54.3 +2.0
SUA	Susitna One	13.23	318	ePn	12	41 53.0 +0.2
MSO	Missoula	13.25	109	ePn	12	41 53.8 +0.6
YKA	Yellowknife Ar	13.54	37	Pn	12	41 55.0 -1.9
YKA	0.3nm,0.3s,baz=226,slow=12,SNR=9.5			Pn	12	41 55.0 -1.9
YKB	Yellowknife Ar	13.54	37	Pn	12	41 55.0 -1.9
YKB	Yellowknife Ar	13.54	37	Pn	12	41 55.0 -1.9
MOD	Modoc Plateau	13.56	139	ePn	12	41 59.1 +1.7
YKW3	Yellowknife Ar	13.57	37	ePn	12	41 57.5 +0.1
EPYK	Eagle Plains	13.82	353	P	12	42 10.8 +1.9
SKT	Skwentna	13.82	319	ePn	12	41 59.7 -1.1
HDA	Harding Lake	13.89	333	ePn	12	42 01.4 -0.3
WDC	Wicksleytown Da	13.90	147	ePn	12	41 59.9 -2.0
MCK	McKinley	13.99	328	ePn	12	42 02.9 -0.2
IL1	Eielson Array	14.16	334	ePn	12	42 14.8 +2.1
ILAR	Eielson Array	14.16	334	Pn	12	42 06.5 +1.2
ILB	Eielson Array	14.16	334	ePn	12	42 07.1 +1.8
ILB	Eielson Array	14.16	334	ePn	12	42 13.9 +1.2
TRF	Thorofare Moun	14.25	326	ePn	12	42 07.2 +0.4
WRH	Wood River Hill	14.27	331	ePn	12	42 08.1 +1.3
WRH	Wood River Hill	14.27	331	ePn	12	42 15.2 +1.4
CCB	Clear Creek Bu	14.31	303	ePn	12	42 10.1 +2.6
CCB	Clear Creek Bu	14.31	303	ePn	12	42 15.8 +1.4
TCOL	CIGO, UAF Yank	14.50	333	P	12	42 17.8 +1.2
POKR	Poker Flat Res	14.57	334	P	12	42 18.2 +0.9
PPLA	Purkeypile	14.59	322	ePn	12	42 09.8 -1.7
PPLA	Purkeypile	14.59	322	ePn	12	42 19.1 +1.4
MDM	Murphy Dome	14.67	333	ePn	12	42 13.0 +0.5
MDM	Murphy Dome	14.67	333	ePn	12	42 20.1 +1.7
CAST	Castle Rocks	14.86	324	ePn	12	42 15.6 +0.7
DLMT	Dillon	14.86	112	ePn	12	42 15.9 +0.7
BPAW	Bear Paw Mtn.	14.91	327	ePn	12	42 16.4 +0.8
HLID	Hailey	15.04	121	ePn	12	42 23.8 +1.0
HLID	4.0nm,0.9s			P	12	42 23.9 +1.0
EGMT	Eagleton	15.12	99	P	12	42 24.1 +0.6
SVW2	Sparzevohn	15.12	313	ePn	12	42 23.9 +0.5
ORV	Oroville	15.17	146	ePn	12	42 23.7 -0.3
FYU	Fort Yukon	15.24	340	ePn	12	42 20.0 0.0
FYU	Fort Yukon	15.24	340	ePn	12	42 24.9 +0.2
BEKR	Beckworth	15.29	143	ePn	12	42 26.0 +0.3
MLY	Manley	15.46	330	ePn	12	42 26.2 -1.0
PAHR	Pah Rah Range	15.80	141	ePn	12	42 25.7 -1.8
QLMT	Earthquake Lak	15.84	112	ePn	12	42 32.2 +0.5
AFDM	Forest Hills D	15.89	146	ePn	12	42 32.4 +0.3
YHB	Horse Butte	16.02	112	ePn	12	42 35.6 +1.9
VCNR	Virginia City	16.05	142	ePn	12	42 35.4 +1.3
YHH	Holmes Hill	16.19	111	ePn	12	42 31.4 -1.3
YMR	Madison River	16.20	112	ePn	12	42 35.1 -0.7
PNTR	Pine Nut	16.25	142	ePn	12	42 37.4 +1.1
GCMT	Greycliff	16.29	106	ePn	12	42 35.6 +1.8
YERR	Yerington	16.48	142	ePn	12	42 36.1 -0.2
YPP	Pitchstone Pla	16.54	112	ePn	12	42 37.3 +0.2
H17A	Grant Village	16.59	112	ePn	12	42 35.9 -1.7
WAKR	Walker	16.83	143	ePn	12	42 40.7 0.0
KVN	Kaiserville	16.86	139	ePn	12	42 41.3 +0.2
IM3	Indian Mountai	17.03	329	ePn	12	42 42.7 -0.1
NV01	Mina Array Sit	17.32	140	eP	12	42 47.5 +0.6
NVAR	Mina Array Bea	17.32	140	P	12	42 44.3 -2.5
NV11	Mina Array Sit	17.38	140	ePn	12	42 46.7 -0.8
OMMB	Old Mammoth Mi	17.78	143	ePn	12	42 51.7 -0.9
LAO	LASA Array	17.86	99	ePn	12	42 54.9 +0.9

LAO	LASA Array	17.86	99	P	12 <th>42 54.9 +0.9</th>	42 54.9 +0.9
BW06	Boulder Array	18.20	114	ePn	12	43 01.3 +3.5
PDAR	Pinedale Array	18.20	114	Pn	12	42 56.7 -1.0
PDAR	Pinedale Array	18.20	114	ePn	12	42 58.9 +1.1
DUG	Dugway, Tooele	18.32	126	ePn	12	42 59.5 +0.4
R11A	Troy Canyon, C	18.51	135	eP	12	43 01.0 -0.2
R11A	Troy Canyon, C	18.51	135	P	12	43 00.9 -0.3
PSUT	Pine Spring	19.13	131	eP	12	43 08.1 +0.1
CWC	Cottonwood Cre	19.15	143	P	12	43 08.6 +0.3
TPNV	Topopah Spring	19.41	138	eP	12	43 11.1 0.0
TPNV	Topopah Spring	19.41	138	Pn	12	43 12.1 -0.2
FURC	Furnace Creek,	19.59	140	Pn	12	43 14.3 0.0
ISA	Isabella, Lake	19.71	145	eP	12	43 14.8 +0.6
ISA	Isabella, Lake	19.71	145	Pn	12	43 16.4 +0.7
MPMC	Mineral Prospec	19.71	142	P	12	43 15.6 -0.3
P17A	Butcher Ranch,	19.90	123	eP	12	43 16.5 0.0
MSU	Marysville	19.93	128	eP	12	43 17.6 +0.8
K22A	Casta	19.98	110	P	12	43 17.3 0.0
P18A	Preston Nutter	20.04	122	eP	12	43 18.0 -0.1
CCM	Cedar City	20.15	132	eP	12	43 18.8 -0.5
LRMC	Leah Mtn Rad	20.16	143	P	12	43 20.3 +1.1
SZCU	Shurtz Canyon	20.24	131	eP	12	43 20.6 +0.4
SHRP	Sheep Range	20.24	137	eP	12	43 21.3 +1.1
SRU	San Rafael Sev	20.29	124	eP	12	43 20.8 +0.2
SHOC	Shoshone, Teco	20.32	140	P	12	43 21.4 +0.6
RSSD	Black Hills	20.54	104	eP	12	43 24.4 +1.0
RSSD	Black Hills	20.54	104	P	12	43 24.6 +1.2
GSC	Goldstone, Bar	20.64	142	P	12	43 24.6 +0.3
GSC	Goldstone, Bar	20.64	142	P	12	43 24.7 +0.3
LCMT	Little Creek M	20.65	132	eP	12	43 25.0 +0.5
O20A	White River Ci	20.72	118	eP	12	43 26.1 +0.6
O20A	White River Ci	20.72	118	P	12	43 26.0 +0.6
PKUC	Pink Cliffs	20.72	130	eP	12	43 25.6 0.0
TQO	Turquoise Moun	20.86	140	P	12	43 27.6 +0.8
MWC	Mount Wilson	21.15	146	eP	12	43 28.1 -2.0
HEC	Hector Ludlow	21.23	141	P	12	43 31.5 +0.7
BFSO	Mount Baldy Ra	21.28	145	P	12	43 31.3 0.0
MDND	Madlock	21.34	90	eP	12	43 33.0 +1.2
MDND	Madlock	21.34	90	Pn	12	43 32.6 +0.9
N23A	Red Feather La	21.46	113	P	12	43 33.2 -0.2
PV09	Paradox Valley	21.46	122	eP	12	43 34.4 +1.0
LDFC	Landfair	21.49	139	eP	12	43 33.3 -0.3
GMRC	Granite Mounta	21.53	140	P	12	43 34.7 +0.7
U15A	North Rim	21.56	311	eP	12	43 35.2 +0.7
PV10	Paradox Valley	21.60	123	eP	12	43 35.7 +0.8
PV22	Paradise, Par	21.61	122	eP	12	43 34.6 -0.3
PV14	Lion Creek, Pa	21.61	123	eP	12	43 34.7 -0.3
PV20	West Nyswonger	21.66	122	eP	12	43 34.2 -1.3
PV19	Morning Glory	21.68	123	eP	12	43 35.2 +0.5
PV16	Nyswonger Mesa	21.71	122	eP	12	43 36.4 +0.4
PV17	East Wray Mesa	21.71	123	eP	12	43 36.4 +0.3
PV11	David Mesa, Pa	21.74	122	eP	12	43 37.0 +0.6
PV18	Skein Mesa, Pa	21.77	123	eP	12	43 36.4 -0.3
PV12	Saucer Basin,	21.77	122	eP	12	43 36.8 +0.1
PV03	Paradox Valley	21.79	122	eP	12	43 36.9 0.0
PV05	Paradox Valley	21.80	123	eP	12	43 37.5 +0.5
PV13	Radium Mtn., P	21.88	123	eP	12	43 38.0 +0.1
W13A	Hualapai Mount	21.98	136	eP	12	43 37.7 -1.2
PV01	Hualapai Mount	22.02	122	eP	12	43 38.7 -0.8
SMCO	Snowmass	22.09	118	eP	12	43 40.6 +0.2
BELO	Belle Mtn. Jos	22.10	142			

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YAHU, LITE1, IDC 28:12:48:30.6, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MW5.1, NEIC 28:13:09:15.7, etc.

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

NEIC 28:12:53:05.0, 0.0, 52.46N, 132.28W, h20km, ML4.1(OTT), After OTT.

PGC 28:12:53:05.2, 52.44N, 132.39W, h2km, 98km southwest of Sandspit, Bc Haida Gwaii Region.

ISCJB 28:12:53:06.3, 1.0, 52.50N, 0.06, 132.6W, 0.2, h18km, mb3.4/2, Error ellipse: s-maj=17.3km az=160.9.

IDC 28:12:53:06.6, 1.4, 52.52N, 132.21W, h0km, mb3.5/2, mb1 3.6/8, mb1mx3.4/49, mbtmp3.3/8, ML3.5/6, Error ellipse: s-maj=18.2km s-min=10.5km az=45.0.

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

NEIC 28:12:53:08.2, 1.2, 52.54N, 0.09, 132.2W, 0.1, h18km, n13, 0.193/15, Queen Charlotte Islands region.

IDC 28:13:04:45.0, 1.5, 51.41N, 131.24W, h0km, mb3.2/2, mb1 3.5/5, mb1mx3.3/53, mbtmp3.2/5, ML3.8/2, Error ellipse: s-maj=26.9km s-min=14.5km az=158.0, Queen Charlotte Islands region.

IDC 28:13:07:03.9, 0.7, 52.04N, 132.49W, h10km, mb4.2/3, Error ellipse: s-maj=20.9km s-min=8.1km az=49.0.

IDC 28:13:07:03.8, 1.3, 52.28N, 132.95W, h0km, mb3.8/3, mb1 4.1/5, mb1mx3.6/49, mbtmp3.8/5, ML3.4/2, Error ellipse: s-maj=24.2km s-min=10.4km az=95.0.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H02S1, H02N1, DLBC, etc.

NEIC 28:13:07:04.6, 0.9, 52.20N, 0.09, 132.7W, 0.1, h10km, n24, 0.177/24, mb4.0/4, Queen Charlotte Islands region.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H02S1, H02N1, DLBC, etc.

IDC 28:13:09:11.0, 52.47N, 132.03W, h8km, mb4.8/36, mb5.3/18, Ms4.9/11, Ms7.4/6/9.

IDC 28:13:09:11.9, 0.5, 52.33N, 132.10W, h0km, mb4.5/26, mb1 4.7/34, mb1mx4.6/53, mbtmp4.5/34, ML4.1/8, Ms4.2/21, Ms1 4.2/21, ms1mx4.1/32, Error ellipse: s-maj=11.2km s-min=5.9km az=51.0.

ISCJB 28:13:09:11.7, 0.5, 52.45N, 0.02, 131.84W, 0.03, h3km, 3km, mb4.8/172, Ms4.3/23, Error ellipse: s-maj=4.1km s-min=1.5km az=140.0.

MOS 28:13:09:12.4, 1.0, 52.37N, 131.99W, h12km, mb5.1/55, Error ellipse: s-maj=3.8km s-min=3.8km az=112.4.

PGC 28:13:09:12.1, 7.1, 52.25N, 132.17W, h29km, ML4.7/16.

IDC 28:13:09:12.1, 7.1, 52.25N, 132.17W, h29km, ML4.7/16.

IDC 28:13:09:12.1, 7.1, 52.25N, 132.17W, h29km, ML4.7/16.

IDC 28:13:09:12.1, 7.1, 52.25N, 132.17W, h29km, ML4.7/16.

IDC 28:13:09:12.1, 7.1, 52.25N, 132.17W, h29km, ML4.7/16.

IDC 28:13:09:12.1, 7.1, 52.25N, 132.17W, h29km, ML4.7/16.

IDC 28:13:09:12.1, 7.1, 52.25N, 132.17W, h29km, ML4.7/16.

IDC 28:13:09:12.1, 7.1, 52.25N, 132.17W, h29km, ML4.7/16.

IDC 28:13:09:12.1, 7.1, 52.25N, 132.17W, h29km, ML4.7/16.

IDC 28:13:09:12.1, 7.1, 52.25N, 132.17W, h29km, ML4.7/16.

IDC 28:13:09:12.1, 7.1, 52.25N, 132.17W, h29km, ML4.7/16.

IDC 28:13:09:12.1, 7.1, 52.25N, 132.17W, h29km, ML4.7/16.

IDC 28:13:09:12.1, 7.1, 52.25N, 132.17W, h29km, ML4.7/16.

IDC 28:13:09:12.1, 7.1, 52.25N, 132.17W, h29km, ML4.7/16.

IDC 28:13:09:12.1, 7.1, 52.25N, 132.17W, h29km, ML4.7/16.

IDC 28:13:09:12.1, 7.1, 52.25N, 132.17W, h29km, ML4.7/16.

IDC 28:13:09:12.1, 7.1, 52.25N, 132.17W, h29km, ML4.7/16.

IDC 28:13:09:12.1, 7.1, 52.25N, 132.17W, h29km, ML4.7/16.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H02S1, H02N1, DLBC, etc.

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H02S1, H02N1, DLBC, etc.

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H02S1, H02N1, DLBC, etc.

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H02S1, H02N1, DLBC, etc.

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H02S1, H02N1, DLBC, etc.

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H02S1, H02N1, DLBC, etc.

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H02S1, H02N1, DLBC, etc.

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H02S1, H02N1, DLBC, etc.

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H02S1, H02N1, DLBC, etc.

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

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

Table with columns: Station Name, Frequency, Mode, Power, Direction, and other details. Includes stations like Kaisererville, Columbia Colle, Fox Creek, etc.

Table with columns: Station Name, Frequency, Mode, Power, Direction, and other details. Includes stations like Santa Barbara, Osito Audit, Colton Col, etc.

Table with columns: Station Name, Frequency, Mode, Power, Direction, and other details. Includes stations like Lac du Bonnet, Barrett, Sam W. Stewart, etc.

28d 13h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like WMOK, WMOK, N41A, T38A, etc.

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Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like Q47A, S46A, 833A, Y42A, etc.

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Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like LONY, 149A, W52A, W52A, Z50A, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like NOA, NORSAR Array B, NA001, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MODS, Modra-Piesok, CONA, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like KSH, comp=Z,170nm,3.2s, etc.

28d 13h

Table with columns: ILAR, Eielson Array, 14.27 334 Pn, Pn, 13 27 55.8 +2.3

Table with columns: DHMR 28 13:25:48.3±0.5, 14.65N±0.42, 03E, h3km, m10km, ML3.6, Western Arabian Peninsula

ISCJB 28 13:28:31.8±0.8, 52.49N±0.06, 131.8W±0.1, h10km, mb3.5/4, MS3.4/2, Error ellipse: s-maj=12.2km

ISC 28 13:28:31.6±1.1, 52.37N±131.91W, h0km, mb3.6/4, mb1 3.8/9, mb1mx3.6/50, mbtmp3.6/9, ML3.3/5, MS3.4/4, MS1 3.4/4, ms1mx2.9/49, Error ellipse: s-maj=15.5km

ISC 28 13:28:33.2±1.1, 52.49N±0.09, 131.8W±0.1, h10km, n15, ±0.16/14, mb3.7/4, Queen Charlotte Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, H02S1 DAWSON INLET T, 0.83 330 Op, Pn, 13 28 48.5 -0.7

ISC 28 13:29:26.3±2.3, 12.10N±124.91E, h0km, mb3.5/3, mb1 3.7/3, mb1mx3.3/45, mbtmp3.3/5, MS3.1/1, Ms1 4.3/1, ms1mx2.7/38, Error ellipse: s-maj=94.4km s-min=2.0km az=58.0

ISCJB 28 13:29:37.7±1.1, 12.37N±0.06, 125.1E±0.1, h35km, mb3.6/3, MS4.2/1, Error ellipse: s-maj=15.9km s-min=6.0km az=151.7

MAN 28 13:29:33.5, 12.32N±125.08E, h42km, mb4.4, ML3.3, MS3.1

ISC 28 13:29:32.4±1.1, 12.37N±0.06, 125.19E±0.09, h35km, n15, ±0.25/16, mb3.4/3, 1C-1D, Samar

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, CNP Catarman, 0.54 285 eP, Pn, 13 29 44.9 +1.4

KRNET 28 13:32:05.1±0.1, 40.90N±73.92E, h18km, mb1.9, 14C-10D, Kyrgyzstan

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ARSB Arslanbob, 0.82 301 iJ/P, Sg, 13 32 20.7 -0.3

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Table with columns: NRN baz=71, iJ/S, Sb, 13 32 57.4 +1.3, BOOM Boomskeye usch, 2.20 43 iJ/P, Pb, 13 32 43.6 -0.8

ISC 28 13:32:43.4±1.3, 52.37N±132.00W, h0km, mb3.5/2, mb1 3.8/7, mb1mx3.5/48, mbtmp3.5/7, ML3.7/4, Error ellipse: s-maj=17.2km s-min=6.6km az=50.0

ISCJB 28 13:32:44.6±0.9, 52.39N±0.07, 132.0W±0.2, h18km, mb3.4/2, Error ellipse: s-maj=19.9km s-min=7.0km az=157.4

ISC 28 13:32:44.8±1.1, 52.43N±0.09, 132.2W±0.1, h18km, n10, ±0.16/10, Queen Charlotte Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, H02S1 DAWSON INLET T, 0.80 346 Op, Pn, 13 32 59.7 -0.6

ISC 28 13:45:33.0±1.1, 52.07N±131.38W, h0km, mb3.3/3, mb1 3.8/9, mb1mx3.5/54, mbtmp3.5/9, ML3.4/6, MS3.9/16, MS1 3.9/6, ms1mx3.8/22, Error ellipse: s-maj=15.1km s-min=9.9km az=140.0, Queen Charlotte Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, BBB Bella Bella, 2.02 85 Op, Pn, 13 46 06.6 -1.6

ISCJB 28 13:45:47.4±0.3, 51.12N±120.04W, h12km, mb3.9/7, MS3.8/10, Error ellipse: s-maj=8.8km s-min=2.5km az=140.5

NEIC 28 13:45:48.9±0.3, 51.14N±130.29W, h10km, mb4.1/65, Error ellipse: s-maj=9.8km s-min=2.8km az=50.0

NEIC Felt at Prince George and Smithers. ISC 28 13:45:48.1±0.7, 51.14N±130.3W±0.1, h12km, n137, ±0.1946/12, mb4.1/7, MS3.8/10, Queen Charlotte Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, BBB Bella Bella, 1.73 52 eP, Pn, 13 46 17.2 -0.8

ISC 28 13:45:48.1±0.7, 51.14N±130.3W±0.1, h12km, n137, ±0.1946/12, mb4.1/7, MS3.8/10, Queen Charlotte Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, BEKR Beckwith, 13.25 144 eP, Pn, 13 48 58.3 +2.2

1410

Table with columns: HWUT Hardware Ranch, 16.03 119 ePn, Pn, 13 49 35.4 +1.9, IL1 Eielson Array, 16.17 334 ePn, Pn, 13 49 35.3 +0.4

ISC 28 13:45:48.1±0.7, 51.14N±130.3W±0.1, h12km, n137, ±0.1946/12, mb4.1/7, MS3.8/10, Queen Charlotte Islands region

ISC 28 13:45:48.1±0.7, 51.14N±130.3W±0.1, h12km, n137, ±0.1946/12, mb4.1/7, MS3.8/10, Queen Charlotte Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, PDAR Pinedale Array, 16.42 113 ePn, Pn, 13 49 40.0 -0.9

DZM Mont Dzumac 91.55 236 eLR LR 14 27 30.6 comp=Z,120m,22.4s

ISCJB 28 13:48:41.4, 0.9, 52.3N, 0.1, 131.5W, 0.2, h10km, mb3.4/4, Error ellipse: s-maj=22.8km s-min=7.6km az=42.0

ISC 28 13:48:41.2, 1.1, 52.30N, 131.45W, h0km, mb3.5/4, mb1 3.8/7, mb1mx3.6/5.1, mbtmp3.6/7, ML3.0/3, Error ellipse: s-maj=18.6km s-min=6.1km az=31.0

ISC 28 13:48:42.6, 1.2, 52.4N, 0.2, 131.5W, 0.1, h10km, n10, o=38/10, mb3.5/4, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, H02N1 Bella Bella, etc.

PGC 28 13:50:03.5, 52.74N, 132.30W, h15km, 65km southwest of Sandspit, Bc Haida Gwaii Region

ISC 28 13:49:57.5, 1.7, 51.92N, 132.66W, h0km, mb3.7/3, mb1 3.8/5, mb1mx3.4/5.2, mbtmp3.6/5, ML3.3/2.0, Error ellipse: s-maj=36.4km s-min=34.9km az=62.0, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YKA Yellowknife Ar, NVAR Mina Array Be, ZALV Zalesovo Bay, etc.

ISC 28 14:04:25.0, 0.7, 52.60N, 132.15W, h0km, mb4.0/19, mb1 4.1/27, mb1mx4.0/53, mbtmp3.9/27, ML3.7/7, MS3.5/10, Ms1 3.6/10, ms1mx3.3/36, Error ellipse: s-maj=15.1km s-min=6.0km az=10.8

ISCJB 28 14:04:26.9, 0.2, 52.65N, 0.03, 132.41W, 0.05, h18km, mb4.2/47, MS3.4/2, Error ellipse: s-maj=6.1km s-min=2.0km az=138.5

PGC 28 14:04:26.4, 52.60N, 132.14W, h26km, 75km SSW of Sandspit, Bc Haida Gwaii Region

NEIC 28 14:04:28.0, 0.2, 52.68N, 132.33W, h10km, mb4.2/60, ML4.8(OTT), Error ellipse: s-maj=7.1km s-min=2.1km az=48.0

ISC 28 14:04:28.1, 0.5, 52.60N, 0.06, 132.25W, 0.06, h18km, n170, o=163/163, mb4.4/46, Queen Charlotte Islands region

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DIB Dawson Inlet, H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

Large table with columns: ILAR, Lg, Lg, 14 11 58.6, 14 13 14.8, 14 07 50.2 +0.4, etc. Includes stations like ILAR 0.1nm, 0.3s, baz=120, slow=27, SNR=4.3, ILB comp=Z, 460nm, 18.9s, baz=154, slow=37, etc.

Large table with columns: MJAR, P, P, 61.73 294, 14 21 45.6 +0.4, 14 40 21.1, 14 07 50.2 +0.4, etc. Includes stations like MJAR Matushiro Arr, NB2 NORAS Subarra, NOA NORARS Array B, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HOLB Holberg, BPBC Brooks Peninsula, PHC Port Hardy, etc.

ICD 28 15:06:53.0.0.8.52:35N:132:20W, h0km, mb4, 1/14, mb1 3.9/8, mb1mx3.6/41, mbtpm4.1/47, mbmp4.1/21, ML3.9/8, MS3.6/12, M5.1 3.5/1, ms1mx2.3/58, Error ellipse: s-maj=17.9km s-min=6.9km az=64.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DIB Dawson Inlet, H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

PGC 28 14:48:08.8.51.60N:130:43W, h1km, 170km Wsw of Bella Bella, Bc Haida Gwaii Region ICD 28 14:48:27.8.1.4.52:45N:132:28W, h0km, mb3.7/3, mb1 3.9/8, mb1mx3.6/40, mbtpm3.6/8, ML3.7/5, Error ellipse: s-maj=24.3km s-min=7.9km az=66.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, H02N1 VAN INLET T-PH, etc.

ICD 28 14:48:29.5.1.3.52:61N:132:17W.0.1, h10km, n10, a1520/11, mb3.8/3, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like D08A Wollman Farm, H04A Detroit Lake, F07A Phinny Hill Vi, etc.

MAN 28 14:56:28.1.16:25N:120:65E, h17km, mb4.6, ML3.5, MS3.3, 1C, Luzon

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SMPP San Manuel, Pa, SMPP Bolinao, PCPH Palayan, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DAWY Dawson, SEW Seward, KRMB Red Mountain, etc.

ICD 28 15:00:01.9.1.4.52:37N:131:54W, h0km, mb3.7/2, mb1 3.9/8, mb1mx3.6/41, mbtpm3.6/8, ML4.0/4, MS3.5/1, MS1 3.5/1, ms1mx2.4/47, Error ellipse: s-maj=29.8km s-min=9.9km az=46.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, H02N1 VAN INLET T-PH, etc.

ICD 28 15:00:02.9.0.9.52:38N:131:21W.0.1, h10km, n17, a1584/10, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SCRK Sand Creek, N02D Trinity Center, EGAK Eagle, etc.

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like COLA College, TCOL CIGO, ORV Oreville, PPLA Pukepyle, POKR Poker Flat Res, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC. Includes stations like SDCO Great Sand Dun, T25A Trinidad, ECSD EROS Data Cent, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC. Includes stations like MURC baz=306, LRMC Laure Mtn Rad, LRMV San Nicolas Is, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC. Includes stations like CRAG Craig, BBB Bella Bella, BBB Bella Bella, etc.

ISCJB 28 15:24:22.6, 0.4, 34.32N, 0.02, -118.48W, 0.02, h9km, 2.3km, Error ellipse: s-maj=3.1km s-min=2.3km az=37.8

NEIC 28 15:24:23.4, 0.0, 34.35N, 0.18, 46W, h4km, ML3.9(PAS), After PAS.

NEIC Feit [III] at Beverly Hills, Burbank, Canyon Country, Chatsworth, Glendale, Granada Hills, Hemet, Los Angeles, Mission Hills, Montrose, Newhall, North Hills, North Hollywood, Northridge, Panorama City, Porter Ranch, Reseda, San Fernando, Santa Clarita, Santa Monica, Stevenson Ranch, Studio City, Sylmar, Valencia, Valley Village, Van Nuys and West Hollywood. Feit throughout the Los Angeles Basin.

ISC 28 15:24:23.7, 0.0, 34.33N, 0.02, -118.45W, 0.02, h11km, 6km, n105, r132/126, Southern California

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC. Includes stations like DECC Green Verdugo, DECC baz=314, PASC Pasadena Art C, PASC pasadena, etc.

ISC 28 15:28:13.5, 1.1, 52.72N, 132.71W, h0km, mb3.9/5, mb1 4.0/11, mb1mx3.6/6.1, mbtmp3.8/9, ML3.7/4, Error ellipse: s-maj=18.1km s-min=7.7km az=90.0

ISCJB 28 15:28:14.4, 0.5, 52.78N, 0.05, 132.7W, 0.1, h18km, mb3.9/6, Error ellipse: s-maj=10.9km s-min=4.2km az=139.9

NEIC 28 15:28:14.9, 0.6, 52.64N, 132.94W, h10km, mb4.0/4, ML4.0(O/T), Error ellipse: s-maj=13.6km s-min=4.9km az=20.0

PGC 28 15:28:15.2, 0.1, 52.79N, 132.33W, h25km, 6.1km southwest of Sandspit, Bc Haida Gwaii Region

ISC 28 15:28:16.2, 0.9, 52.79N, 0.08, 132.63W, 0.09, h18km, n43, r112/45, mb3.9/6, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC. Includes stations like DIB DAWSON INLET, H02S1 DAWSON INLET T, H02S1 DAWSON INLET, etc.

ISC 28 15:37:60.0, 56.0, 16.23S, 174.10W, h0km, mb3.9/3, mb1 4.1/3, mb1mx3.6/4.2, mbtmp3.9/3, Error ellipse: s-maj=1065.0km s-min=184.2km az=79.0, Tonga Islands

ISC 28 15:42:16.1, 1.2, 52.30N, 131.18W, h0km, mb3.7/6, mb1 4.0/11, mb1mx3.7/5.3, mbtmp3.8/11, ML3.8/4, Error ellipse: s-maj=22.6km s-min=7.9km az=51.0

NEIC 28 15:42:17.4, 0.4, 52.31N, 131.18W, h10km, mb4.0/28, Error ellipse: s-maj=12.7km s-min=4.0km az=51.0

ISC 28 15:42:20.1, 0.6, 52.43N, 0.09, 131.33W, 0.07, h10km, n79, r182/73, mb3.9/3, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC. Includes stations like DIB DAWSON INLET, H02S1 DAWSON INLET T, H02N1 SNR=84, etc.

28d 15h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like TUC Tucson, LENN Lemitar, BNM Barren Site, etc.

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Table with columns: LZH, comp, Z, 2nm, 1.2s, pmax, pmax. Includes station details like DIB Dawson Inlet, H02S1 DAWSON INLET T, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like TPNV Topopah Spring, DAC Darwin (Calif), FURC Furnace Creek, etc.

28d 15h

N02D	Trinity Center	13.64 147 P	Pn	16 02 25.9 +0.4
MOD	Modoc Plateau	13.71 138 ePn	Pn	16 02 24.9 -1.7
MCK	Mckinley	13.84 328 ePn	Pn	16 02 27.9 0.0
ILR	Eielson Array	14.01 334 ePn	Pn	16 02 29.6 -0.7
ILAI	Eielson Array	14.01 334 Pn	Pn	16 02 31.1 +0.8
TRF	Thorofore Moun	14.09 326 ePn	Pn	16 02 30.4 -1.3
WRH	Wood River Hill	14.11 331 ePn	Pn	16 02 29.6 -2.1
CCB	Clear Creek Bu	14.16 332 ePn	Pn	16 02 29.2 -3.2
O02D	Mt. Diablo Mer	14.34 149 P	Pn	16 02 36.1 +1.1
TCOL	CIGCO, UAF Yank	14.35 333 P	P	16 02 37.8 -4.0
POKR	Poker Plat Res	14.42 334 P	Pn	16 02 38.5 +2.5
PPLA	Punkeyville	14.44 322 ePn	Pn	16 02 37.4 +1.1
CAST	Castle Rocks	14.70 324 ePn	Pn	16 02 38.9 -0.9
HLID	Hailey	15.19 121 eP	P	16 02 51.9 +0.4
HLID	Hailey	15.19 121 P	P	16 02 51.4 -0.1
EGMT	Eagleton	15.24 100 P	P	16 02 52.5 +0.5
INK	Inuvik	15.48 359 Pn	Pn	16 02 49.7 -0.3
QAMT	Pat Rih Range	15.95 141 ePn	Pn	16 02 53.7 -2.8
PLHR	Earthquake Lak	15.98 112 ePn	P	16 02 58.3 -2.0
AFDM	Forest Hills D	16.05 146 ePn	Pn	16 02 55.6 -1.9
YHB	Horse Butte	16.16 112 ePn	Pn	16 02 59.3 0.0
VCNR	Virginia City	16.21 142 ePn	Pn	16 02 57.4 -2.5
YHH	Holmes Hill	16.33 111 ePn	Pn	16 03 00.8 -0.7
YMR	Madison River	16.34 112 ePn	Pn	16 03 01.5 0.0
GCMT	Greywolf	16.43 106 ePn	P	16 03 06.1 +1.0
YPP	Pitchstone Pla	16.68 112 ePn	Pn	16 03 05.7 -0.2
IMW	Indian Meadow	16.84 114 ePn	Pn	16 03 08.5 +0.5
FXWY	Fox Creek	16.96 114 ePn	P	16 03 11.2 +0.1
WAKR	Walker	16.98 143 ePn	P	16 03 10.6 -0.8
MOOW	Moose Ponds	17.04 114 ePn	P	16 03 13.8 +1.7
TPAW	Teton Pass	17.10 115 ePn	P	16 03 14.8 +2.1
RYN	Ryan	17.22 140 ePn	Pn	16 03 12.1 -0.5
HVU	Hansel Valley	17.31 122 eP	P	16 03 14.8 -0.1
NV01	Mina Array Sit	17.48 140 ePn	Pn	16 03 15.2 -0.6
NVAR	Mina Array Bea	17.48 140 P	P	16 03 12.6 -3.2
AHID	Auburn Hatcher	17.50 117 ePn	P	16 03 16.6 -0.5
NV11	Mina Array Sit	17.53 140 ePn	Pn	16 03 16.1 -0.3
BGU	Big Grassy Mou	17.81 124 eP	P	16 03 20.6 +0.1
LAO	LASA Array	17.99 100 P	P	16 03 22.9 +0.5
HWUT	Hardware Ranch	18.06 120 ePn	P	16 03 23.7 +0.4
PD31	Pinedale Array	18.34 114 eP	Pn	16 03 27.3 +0.9
PDAR	Pinedale Array	18.34 114 eP	Pn	16 03 27.3 +0.9
DGMT	Dagmar	18.40 93 P	P	16 03 27.8 +0.9
DUG	Dugway, Tooele	18.47 126 P	Pn	16 03 27.8 -0.1
TCUT	Toone Canyon	18.49 121 eP	Pn	16 03 28.5 +0.0
R11A	Troy Canyon, C	18.66 134 eP	P	16 03 29.2 -0.7
R11A	Troy Canyon, C	18.66 134 P	P	16 03 29.6 -0.3
JLU	Jordan	18.85 122 eP	P	16 03 31.7 -0.3
NLU	North Lily Min	19.02 125 eP	P	16 03 33.5 -0.4
PSUT	Pine Spring	19.28 131 eP	P	16 03 35.8 -0.9
CWC	Cottonwood Cre	19.31 143 P	Pn	16 03 37.4 -0.7
TPNV	Topopah Spring	19.57 138 eP	P	16 03 39.4 -0.5
TPNV	Topopah Spring	19.57 138 P	P	16 03 39.4 -0.5
ISA	Isabella, Lake	19.86 145 eP	P	16 03 42.6 -0.3
ISA	Isabella, Lake	19.86 145 P	P	16 03 43.2 +0.2
MPMC	Manual Prospec	19.87 142 P	Pn	16 03 43.7 -1.1
TCRU	Three Creeks R	19.88 128 eP	P	16 03 43.3 -0.1
TMUT	Trail Mountain	19.95 124 eP	P	16 03 43.7 -0.4
P17A	Gutcher Ranch,	20.06 123 eP	P	16 03 45.0 -0.1
MSU	Marysvale	20.09 128 eP	P	16 03 45.6 0.0
K22A	Casper	20.12 110 eP	P	16 03 45.4 -0.4
K22A	Casper	20.12 110 P	P	16 03 45.8 0.0
P18A	Preston Nutter	20.19 122 eP	P	16 03 46.6 -0.1
ARVC	Arvin	20.23 146 P	P	16 03 46.7 -0.1
CCUT	Cedar City	20.31 131 eP	P	16 03 47.6 -0.4
LRMC	Laurel Mtn Rad	20.31 143 P	P	16 03 48.0 +0.2
SZCU	Shurtz Canyon	20.40 131 eP	P	16 03 48.6 -0.3
SHPR	Sheep Range	20.40 137 eP	P	16 03 48.0 -0.8
SRU	San Rafael Swe	20.44 124 eP	P	16 03 49.7 +0.4
MTPU	Mount Pierson	20.46 128 eP	P	16 03 50.0 +0.3
SHOC	Shoshone, Teco	20.47 140 P	P	16 03 49.5 0.0
RSSD	Black Hills	20.67 104 ePn	Pn	16 03 54.0 -0.1
RSSD	Black Hills	20.67 104 P	Pn	16 03 54.5 +0.3
EDW2	Edwards Air Fo	20.74 145 P	P	16 03 52.9 +0.5
GSC	Goldstone, Bar	20.79 142 P	P	16 03 57.2 -0.4
GSC	Goldstone, Bar	20.79 142 P	P	16 03 53.3 -0.2
LCMT	Little Creek M	20.80 132 eP	P	16 03 53.0 -0.3
O20A	White River Ci	20.87 118 eP	P	16 03 54.2 +0.2
O20A	White River Ci	20.87 118 P	P	16 03 54.5 +0.5
PKCU	Pink Cliffs	20.88 130 eP	P	16 03 54.4 +0.2
TUQ	Turquoise Moun	21.02 140 P	P	16 03 55.5 0.0
HEC	Hector, Ludlow	21.39 141 P	P	16 03 59.2 -0.3
BFSC	Mount Baldy Ra	21.43 145 P	P	16 04 00.1 +0.1
MDND	Maddock	21.44 90 eP	P	16 04 01.2 +1.3
MDND	Maddock	21.44 90 P	P	16 04 01.0 +1.1
N23A	Red Feather La	21.60 113 eP	P	16 04 00.8 -1.1
N23A	Red Feather La	21.60 113 P	P	16 04 01.8 -0.1
PHWY	Pilot Hill	21.60 112 eP	P	16 04 01.4 -0.5
PV09	Paradox Valley	21.61 122 eP	P	16 04 01.8 -0.3
PV21	Comte Mtn., Par	21.64 122 eP	P	16 04 01.8 -0.6
LDFC	Landfair	21.65 138 eP	P	16 04 01.3 -1.0

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GMRC	Granite Mounta	21.69 140 P	P	16 04 02.1 -0.6
PV23	Carpenter Ridg	21.71 122 eP	P	16 04 02.7 -0.3
U15A	North Rim	21.72 131 eP	P	16 04 02.7 -0.5
PV10	Paradox Valley	21.75 122 eP	P	16 04 03.4 -0.2
PV22	Bue Mesa, Par	21.76 122 eP	P	16 04 03.2 -0.4
PV14	Lion Creek, Pa	21.76 122 eP	P	16 04 03.3 -0.4
PV20	West Nyswonger	21.82 122 eP	P	16 04 03.9 -0.2
PV19	Morning Glory	21.83 123 eP	P	16 04 03.7 -0.6
PV16	Nyswonger Mesa	21.86 122 eP	P	16 04 04.2 -0.5
PV17	East Wray Mesa	21.86 123 eP	P	16 04 04.0 -0.7
PV11	David Mesa, Pa	21.89 122 eP	P	16 04 04.4 -0.6
PV12	Saucer Basin,	21.92 122 eP	P	16 04 04.8 -0.5
PV18	Skein Mesa, Pa	21.92 123 eP	P	16 04 04.4 -0.9
PV03	Paradox Valley	21.94 122 eP	P	16 04 04.5 -1.0
PV05	Paradox Valley	21.95 123 eP	P	16 04 04.6 -1.0
PV13	Radium Mtn., P	22.03 123 eP	P	16 04 05.9 -0.5
PV02	Paradox Valley	22.03 122 eP	P	16 04 06.0 -0.6
W13A	Hualapai Mount	22.14 136 eP	P	16 04 06.9 -0.7
PV01	Paradox Valley	22.18 122 eP	P	16 04 07.6 -0.5
BELC	Belle Mtn, Jos	22.25 142 P	P	16 04 08.1 -0.7
IRM	Iron Mountain	22.44 140 P	P	16 04 10.1 -0.6
FRD	Ford Ranch, An	22.48 143 P	P	16 04 09.5 -1.7
ULM	Lac du Bonnet	22.75 82 P	P	16 04 13.4 -0.4
ULM	Lac du Bonnet	22.75 82 eP	P	16 04 13.9 +0.1
BC3	Big Chuckwall	22.77 141 P	P	16 04 13.8 -0.4
WUAZ	Wupatki	22.89 131 eP	P	16 04 14.7 -0.9
MVCO	Mesa Verde	22.92 124 P	P	16 04 15.1 -0.9
MVCO	Mesa Verde	22.92 124 P	P	16 04 15.5 -0.4
Y12C	Blythe	23.05 139 eP	P	16 04 15.8 -1.2
Y12C	Blythe	23.05 139 P	P	16 04 16.1 -0.8
MONP	Monument Peak	23.09 144 P	P	16 04 17.3 -0.4
BAR	Barrett	23.19 144 eP	P	16 04 15.6 -2.9
S22A	4UR Ranch, Cre	23.37 120 eP	P	16 04 20.0 -0.6
S22A	4UR Ranch, Cre	23.37 120 P	P	16 04 20.5 -0.1
IKP	In-Ko-Pah, Jac	23.42 143 P	P	16 04 20.1 -0.7
SUSD	Miller	23.51 98 P	P	16 04 22.7 +1.0
AGMN	Agassiz Nation	23.52 86 eP	P	16 04 22.4 +0.8
AGMN	Agassiz Nation	23.52 86 P	P	16 04 21.4 -0.3
GLA	Glamis	23.54 140 eP	P	16 04 21.0 -1.0
GLA	Glamis	23.54 140 P	P	16 04 22.0 0.0
X16A	Lo Mia Camp, P	23.77 133 eP	P	16 04 23.7 -0.7
OGNE	Ogallala	23.79 108 eP	P	16 04 24.6 +0.2
OGNE	Ogallala	23.79 108 P	P	16 04 24.9 +0.5
SDCO	Great Sand Dun	24.07 118 P	P	16 04 27.6 +0.2
X18A	Snowflake	24.36 130 eP	P	16 04 29.7 -0.2
T25A	Trinidad	25.11 118 eP	P	16 04 37.0 +0.4
T25A	Trinidad	25.11 118 P	P	16 04 36.6 0.0
214A	Organ Pipe Nat	25.30 138 P	P	16 04 37.9 -0.3
ECSD	EROS Data Cent	25.31 97 P	P	16 04 39.6 +1.3
ANCO	Albuquerque	25.72 124 P	P	16 04 40.1 -2.1
TUC	Tucson	25.85 134 eP	P	16 04 43.0 -0.3
TUC	Tucson	25.85 134 P	P	16 04 42.8 -0.5
EYMN	Ely	26.31 84 P	P	16 04 48.3 +1.1
CBKS	Cedar Bluff	26.52 109 P	P	16 04 49.9 +0.7
E38A	The Farm, Brul	26.89 87 eP	P	16 04 53.8 +1.4
E38A	The Farm, Brul	26.89 87 P	P	16 04 55.1 +2.7
F38A	Pierce - Schro	27.01 88 P	P	16 04 56.2 +2.6
E39A	Mellen	27.60 87 P	P	16 05 02.6 +3.8
H39A	Augusta	28.02 90 P	P	16 05 03.9 +1.3
MNTX	Cornudas Mount	28.86 126 eP	P	16 05 09.8 -0.4
WMOK	Wichita Mounta	29.95 114 P	P	16 05 19.8 0.0
O41A	Passleys Farm,	30.90 98 P	P	16 05 28.3 +0.2
N42A	Yates City	30.97 96 P	P	16 05 28.9 +0.1
Q41A	Truxton	31.42 100 P	P	16 05 32.7 0.0
T39A	Cleaver	31.43 105 P	P	16 05 32.6 -0.2
P42A	Winchester	31.55 98 eP	P	16 05 33.8 -0.1
P42A	Winchester	31.55 98 P	P	16 05 33.7 -0.2
H48A	Hobbs	31.61 106 eP	P	16 05 34.2 -0.3
LTX	Lajitas	31.64 127 eP	P	16 05 33.8 -1.1
LTX	Lajitas	31.64 127 eP	P	16 05 25.2 -1.3
TXAR	Lajitas Array	31.64 127 P	P	16 05 33.8 -1.1
TXAR	Lajitas Array	31.64 127 P	P	16 05 25.2 -1.3
R41A	Rosebud	31.76 101 P	P	16 05 35.3 -0.4
U39A	Green Forest	31.80 106 P	P	16 05 35.3 -0.9
T40A	Mansfield	31.84 103 P	P	16 05 35.9 -0.7
CCM	Cathedral Cave	32.00 101 P	P	16 05 37.3 -0.5
S41A	Jilco Farms,	32.01 102 P	P	16 05 37.8 -0.2
P43A	Skaggs, Pawnee	32.01 97 P	P	16 05 38.4 +0.5
V39A	Pettigrew	32.08 106 P	P	16 05 38.4 -0.3
R42A	Luebering	32.12 100 P	P	16 05 39.2 +0.3
U40A	Yellville	32.19 105 P	P	16 05 39.3 -0.2
Q43A	New Douglas	32.35 98 P	P	16 05 41.3 +0.4
T41A	Mountain View	32.36 103 P	P	16 05 40.0 -1.0
S42A	Caledonia	32.45 101 P	P	16 05 40.9 -1.0
W39A	Magazine	32.45 107 P	P	16 05 41.8 -0.1
V40A	Witts Springs	32.59 106 eP	P	16 05 42.5 -0.6
V40A	Witts Springs	32.59 106 P	P	16 05 42.4 -0.6

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R43A	Red Bud	32.64 99 P	P	16 05 42.6 -0.8
X39A	Fountain Ranch	32.75 109 P	P	16 05 44.3 -0.2
T42A	Van Buren	32.77 102 P	P	16 05 40.8 -0.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res. Includes stations like MORC Moravsky Berou, TREC Trest, JAVC Velka Javorina, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res. Includes stations like ESDC Sonseca Array, ES19 SONSACA Array, BUR08 Bucovina Arr, etc.

ICD 28 16:10:04.9-1.7, 52.52N-131.189W, h0km, mb3.5/1, mb1 3.4/3, mb1mx3.2/34, mbtmp3.5/5, MS3.6/1, Ms1 3.6/1, ms1mx2.5/19, Error ellipse: s-maj=190.7km s-min=145.0km az=59.0, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, CD2 Chengdu, etc.

DJA 28 16:15:26.8-0.7, 11.5N, 177.18E, h10km, M3.9/10, mb4.1/5, MLV3.8/10, South of Sumbawa

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res. Includes stations like WBSI Waikabubak, PLAI Plampang, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res. Includes stations like MMRI Majaj, BANYUWA, JAGI Gajaj, etc.

ICD 28 16:17:00.2-0.6, 52.52N-131.164W, h0km, mb4.3/18, mb1 4.4/24, mb1mx4.3/44, mbtmp4.2/24, ML4.0/5, MS3.6/14, Ms1 4.4/24, ms1mx3.2/52, Error ellipse: s-maj=10.7km s-min=5.6km az=35.0

ISCJB 28 16:17:01.7-0.5, 52.52N-131.164W, h0km, mb4.3/18, mb4.4/72, MS3.7/13, Error ellipse: s-maj=4.5km s-min=1.8km az=141.2

PGC 28 16:17:01.3-3.2, 52.55N-131.169W, h21km, mb4.3, ML4.0/22, Mw4.5, 101km south of Sandspit, Bc Haida Gwaii Region

NEIC 28 16:17:03.4-0.2, 52.52N-131.56W, h10km, mb4.3/113, MW4.5(OTT), Error ellipse: s-maj=5.5km s-min=1.9km az=49.0

ISC 28 16:17:02.5-0.8, 52.40N-104.431W, h11km, 5km, n407, s177/403, mb4.5/78, MS3.7/13, 2D, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res. Includes stations like BNB Barry Inlet, MOBC Moresby Island, DIB Dawson Inlet, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res. Includes stations like BBB Bella Bella, BUR08 Bucovina Arr, BUR09 Bucovina Arr, etc.

ICD 28 16:10:04.9-1.7, 52.52N-131.189W, h0km, mb3.5/1, mb1 3.4/3, mb1mx3.2/34, mbtmp3.5/5, MS3.6/1, Ms1 3.6/1, ms1mx2.5/19, Error ellipse: s-maj=190.7km s-min=145.0km az=59.0, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, CD2 Chengdu, etc.

DJA 28 16:15:26.8-0.7, 11.5N, 177.18E, h10km, M3.9/10, mb4.1/5, MLV3.8/10, South of Sumbawa

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res. Includes stations like WBSI Waikabubak, PLAI Plampang, etc.

Large table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res. Includes stations like E08A Dider Farm, NEW Newpport, G06A Carlson Farm, etc.

28d 16h

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Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like NV11, BGU, SPUT, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like MVCO, ULM, ULM, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like KHC, GERES, MOTA, etc.

ISCJB 28 16:19:32.0, 0.3, 20:97N, 0:03, 121:47E, 0:06, h60km, mb3.8/16, Error ellipse: s-maj=8.4km s-min=2.9km

JMA 28 16:19:33.1, 0.4, 21:07N, 121:179E, h3km, M4.8

MAN 28 16:19:35.7, 20:74N, 121:64E, h60km, mb4.7, ML3.6, MS3.5

IDC 28 16:19:36.5, 3.1, 20:85N, 121:95E, h107km, 30km, mb3.5/16, mb 1.3/18, mb1mx3.5/5.1, mbtmp3.9/18, Error ellipse: s-maj=19.5km s-min=11.3km az=74.0

ISC 28 16:19:32.9, 0.6, 20:90N, 0:04, 121:62E, 0:08, h60km, n39, c209:49J, mb3.8/16, 1D, Philippine Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Time, Res, ISC. Includes stations like BBB, BBP, CONNER, etc.

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

ISCJB 28 16:21:07.0.4.34.35N.0.02:118.46W.0.03, h7km, 4km, Error ellipse: s-maj=4.8km s-min=4.0km az=163.7

NEIC 28 16:21:08.1.0.0.34.35N.118.46W, h3km, ML2.5(PAS), After PAS.

NEIC Felt [I] at Canyon Country, Granada Hills, Newhall, Porter Ranch, Santa Clarita, Valencia and Van Nuys. Felt in the Chatsworth-Los Angeles-La Canada Flindridge area.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Iron Canyon, Green Verdugo, Oat Mountain, etc.

ISC 28 16:27:52.0.8.52.61N.132.05W, h0km, mb4.0/10, mb1.4/0.15, mb1mx3.8/5.3, mbtmp3.8/1.5, ML3.2/5, MS3.6/2, Ms1.3/6.2, ms1mx2.7/4.4, Error ellipse: s-maj=12.8km s-min=5.3km az=43.0

PGC 28 16:27:53.8.52.67N.132.10W, h20km, 67km Ssw of Sandspit, Bc Haida Gwaii Region

ISCJB 28 16:27:54.5.0.3.52.77N.0.05:131.97W.0.09, h18km, mb4.0/14, MS3.9/1, Error ellipse: s-maj=10.0km s-min=3.1km az=141.8

NEIC 28 16:27:55.7.0.4.52.77N.131.97W, h10km, mb3.8/12, ML4.3(OTT), Error ellipse: s-maj=12.8km s-min=3.8km az=64.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Dawson Inlet, DAWSON INLET T, VAN INLET T-PH, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Thorofore Moun, Wood River Hill, Clear Creek Bu, etc.

ISCJB 28 16:33:31.5.1.2.4.63S.0.06:141.5E.0.1, h33km, mb3.8/3, Error ellipse: s-maj=20.0km s-min=9.3km az=178.1

ISC 28 16:33:38.1.2.8.4.46S.141.30E, h77km, 20km, mb3.2/5, mb1.3/6.9, mb1mx3.4/32, mbtmp3.8/9, Error ellipse: s-maj=38.5km s-min=14.7km az=99.0

DJA 28 16:33:41.0.2.6.5.4.14E.1.0, h12km, 21km, M4.5/4, mb5.0/1, mb4.9/1, MLV4.3/4, Mw(MB)4.3/1

ISC 28 16:33:32.7.1.4.477S.0.07:141.5E.0.2, h35km, n12, c211/14, mb3.8/3, New Guinea

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

ISC 28 16:40:04.1.2.1.52.37N.132.09W, h0km, mb1.3.5/4, mb1mx3.2/8, mbtmp3.1/4, ML3.2/4, Error ellipse: s-maj=10.9km az=43.0, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DAWSON INLET T, VAN INLET T-PH, Dease Lake, etc.

MEX 28 16:50:55.7.0.4.16.22N.98.17W, h9km, 3km, MD3.6, Near coast of Guerrero

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

ISC 28 16:58:14.9.1.9.52.43N.132.50W, h0km, mb3.6/1, mb1.3.5/6, mb1mx3.3/5.2, mbtmp3.3/6, ML3.5/4, Error ellipse: s-maj=31.8km s-min=13.0km az=60.0, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DAWSON INLET T, VAN INLET T-PH, Bella Bella, etc.

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

PGC 28 17:05:10.1.51.57N.133.69W, h30km, 225km southwest of Sandspit, Bc Haida Gwaii Region

ISC 28 17:05:26.8.0.8.52.60N.132.59W, h0km, mb3.8/11, mb1.3/9.14, mb1mx3.7/5.2, mbtmp3.8/14, ML3.5/3, MS3.4/3, Ms1.3.4/3, ms1mx2.8/3.4, Error ellipse: s-maj=13.3km s-min=7.0km az=72.0

NEIC 28 17:05:27.5.4.0.52.60N.132.64W, h4km, 26km, mb4.0/2, mb1.3/9.14, mb1mx3.7/5.2, mbtmp3.8/14, ML3.5/3, MS3.4/3, Ms1.3.4/3, ms1mx2.8/3.4, Error ellipse: s-maj=13.3km s-min=7.0km az=72.0

ISC 28 17:05:30.7.0.6.53.02N.0.08:132.12W.0.07, h10km, n62, c1574/50, mb3.8/11, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DAWSON INLET T, VAN INLET T-PH, Bella Bella, etc.

0.5nm,0.7s,baz=0.0,slow=9.1,SNR=3.0

28d 17:09:02.4+1.8,52.16N:131.18W,h0km,mb3.7/1, mb1 3.8/4,mb1mx3.4/50,mbtmp3.6/4,ML3.2/3, Error ellipse: s-maj=32.4km s-min=14.2km az=49.0

28d 17:09:50.0+3.0,52.68N:131.40W,h0km,mb3.3/1, mb1 3.8/4,mb1mx3.3/50,mbtmp3.4/4,ML3.6/2, Error ellipse: s-maj=150.6km s-min=22.4km az=53.0, Queen Charlotte Islands region

28d 17:11:33.4,37.56N:137.27E,h7km,ML2.7 ISCJB 28 17:11:34.1+0.8,37.54N:0.04:37.23E:0.04,h7km,6km, Error ellipse: s-maj=6.3km s-min=4.9km az=15.7

28d 17:11:51.4+1.5,28.54N:142.76E,h0km,mb3.8/10, mb1 3.8/4,mb1mx3.7/49,mbtmp3.8/12,ML3.8/1,MS2.9/3, Ms1 2.9/3,ms1mx2.5/53, Error ellipse: s-maj=51.5km s-min=16.9km az=50.0

28d 17:11:56.7+1.5,28.6N:0.1:142.6E:0.3,h34km,n15, #0587/14,mb4.0/10,Bonin Islands region

JMA 28 17:18:32.8+0.6,43.13N:149.11E,h30km,ML4.2 SKHL 28 17:18:34.3+0.3,43.08N:149.01E,h69km,5km,mb4.2/3

2018 OCT JCH Churui 4.18 266 eS Sn 17 20 20.8 -1.3

28d 17:19:43.9+1.9,3.84N:125.92E,h0km,mb3.4/4, mb1 3.6/4,mb1mx3.3/41,mbtmp3.4/4,MS4.3/1,Ms1 4.3/1, ms1mx2.7/28, Error ellipse: s-maj=115.2km s-min=25.6km az=68.0

28d 17:20:00.2+0.9,3.45N:107.125.6E:0.2,h150km,n10, #2547/12,mb3.4/4,1,C, Talau Islands region

MAN 28 17:22:17.5+5.4,16.94S:177.43W,h57km,mb3.8/8, Error ellipse: s-maj=23.7km s-min=23.8km az=7.5

28d 17:24:17.5+5.4,16.94S:177.43W,h57km,mb3.8/8, mb1 3.4/9,mb1mx3.0/45,mbtmp4.2/9, Error ellipse: s-maj=35.5km s-min=25.0km az=39.0

28d 17:26:55.9+1.7,8.5S:107.7E:1.2,h21km,12km,ML3.5/6, MLV3.5/6, Jawa

28d 17:32:33.8+2.9,6.31S:130.42E,h91km,37km,mb3.1/1, mb1 3.2/5,mb1mx2.9/41,mbtmp3.3/5, Error ellipse: s-maj=69.9km s-min=22.1km az=89.0, Banda Sea

28d 17:34:48.9+1.0,52.64N:132.00W,h0km,mb3.9/6, mb1 3.8/10,mb1mx3.6/47,mbtmp3.6/10,ML3.7/4,MS3.5/5, Ms1 3.6/5,ms1mx3.0/42, Error ellipse: s-maj=15.8km s-min=5.2km az=43.0

H02S1 DAWSON INLET T 0.99 8 Pg Op ISC h m s ISC 17 35 19.3 0.0

28d 17:38:54.2+2.2,52.18N:132.90W,h0km,mb3.7/2, mb1 3.8/6,mb1mx3.5/48,mbtmp3.5/6,ML3.5/4, Error ellipse: s-maj=48.8km s-min=15.1km az=78.0

28d 17:38:56.2+1.6,52.3N:0.1:132.8W:0.4,h10km,mb3.6/2, Error ellipse: s-maj=33.5km s-min=10.9km az=159.0

28d 17:38:56.2+1.6,52.3N:0.1:132.8W:0.2,h10km,n7, #0997/7, Queen Charlotte Islands region

28d 17:38:54.2+2.2,52.18N:132.90W,h0km,mb3.7/2, mb1 3.8/6,mb1mx3.5/48,mbtmp3.5/6,ML3.5/4, Error ellipse: s-maj=48.8km s-min=15.1km az=78.0

28d 17:43:34.9+0.4,4.48S:101.94E:0.04,h37km, mb4.2/22,MS3.3/2, Error ellipse: s-maj=7.1km s-min=3.7km az=35.0

28d 17:43:35.2+1.0,4.20S:102.16E,h22km,5km,mb4.1/18, mb1 4.2/19,mb1mx4.0/41,mbtmp4.2/19,ML3.8/1,MS3.2/4, Ms1 3.2/4,ms1mx2.8/37, Error ellipse: s-maj=28.4km s-min=11.7km az=49.0

28d 17:43:36.7+0.5,4.44S:102.05E:0.05,h37km,n94, #1979/97,mb4.3/22,Southern Sumatra

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SDCI, PDSI, RGR1, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MS3.9, BESP, BUTP, etc.

28d 18h

comp=2.0,7nm,1.0s,baz=354,slow=5.9,SNR=3.4
LPAZ La Paz 88.26 120 P 18 54 03.0 -2.2
comp=2.0,8nm,0.8s,baz=349,slow=11,SNR=3.6
CMAR Chiang Mai Arr 96.28 312 P 18 54 40.4 -1.4
comp=2.0,1nm,0.3s,baz=113,slow=5.6,SNR=2.8

ISCJB 28 18:44:00.0-0.7, 52.240N, 131.7W, 0.1, h10km,
mb3.6/6, MS3.1/1, Error ellipse: s-maj=14.1km
s-min=6.5km az=41.4
IDC 28 18:44:01.0-1.0, 52.29N, 131.89W, h0km, mb3.6/6,
mb1.3/8/13, mb1mx3.6/40, mbmp3.6/13, ML3.5/7, MS3.3/1,
M1.1.3/3.1, ms1mx2.6/55, Error ellipse: s-maj=14.9km
s-min=6.9km az=43.0

ISC 28 18:44:02.0-0.9, 52.41N, 131.64W, 0.09, h10km, m19,
z187/16, mb3.7/6, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like DAWSON INLET T, VAN INLET T-PH, BELLA BELLA, etc.

MAN 28 18:45:20.2, 10.266N, 123.25E, h4km, mb4.5, ML3.3, MS3.1,
1C-1D, Cebu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like LAPU-LAPU, JORDAN, ROXAS, etc.

PGC 28 18:54:16.7-0.1, 52.48N, 132.79W, h20km, mb6.3,
ML5.6/21, 107km southwest of Sandspit, Bc Haida Gwaii
Region

IDC 28 18:54:17.9-0.3, 52.56N, 132.56W, h0km, mb4.9/4/9,
mb1.4/9/56, mb1mx4.9/62, mbmp4.9/56, ML4.0/7, MS6.1/50,
M1.6/150, ms1mx0.5/77, Error ellipse: s-maj=8.5km
s-min=5.7km az=75.0

BUI 28 18:54:18.0, 52.61N, 132.68W, h9km, mb5.8/60, m86.1/69,
MS6.4/97, MS7.6/387

MOS 28 18:54:19.3-1.1, 52.57N, 132.71W, h11km, mb6.1/116,
MS6.3/51, Error ellipse: s-maj=8.2km s-min=4.0km
az=110.8

ISCJB 28 18:54:20.1-0.1, 52.60N, 132.50W, 0.02, h10km,
mb5.5/376, MS3.2/196, Error ellipse: s-maj=2.7km
s-min=1.1km az=141.2

NEIC 28 18:54:20.8-0.1, 52.67N, 132.60W, h9km, mb5.9/236,
ME5.9, MS6.2/93, MW6.3 (OTT), Error ellipse:
s-maj=4.7km s-min=1.6km az=48.0, Depth from synthetics
of broadband displacement seismograms. Apparent Stress
0.10 MPa Depth from synthetics of broadband
displacement seismograms. Energy computed from CMT
mechanism.

NEIC Felt at Campbell River, Chetwynd, Houston, Nanaimo,
Prince Rupert and Terrace.

NEIC 28 18:54:21.0-0.0, 52.71N, 132.70W, h11km, Moment
Tensor Solution, 375 Moment tensor: Scale 10^19Nm;
M1=3.55; M2=1.87; M3=2.18; M4=0.76; M5=1.80; M6=0.72;
Best double couple: M1:3.700000, 1018 NP1:139.000000,
s53.000000, -1.92.000000. NP2:324.000000, s37.000000,
-1.86.000000. Principal axes: T 3.7700, Plg8.000000,
Az=231.000000; N -0.0700, Plg2.000000, Az=140.000000; P
-3.7000, Plg81.000000, Az=35.000000.

GCMT 28 18:54:27.8-0.1, 52.52N, 132.78W, h12km, MW6.4/145,
Moment Tensor Solution, s131, c299, s145, c595;
Duration: 37 Moment tensor: Scale 10^19Nm;
M1=4.31; M2=1.58; M3=0.83; M4=2.74; M5=0.03; M6=0.41; M7=0.06;
M8=2.32; M9=0.21; Best double couple:
M1=4.539000, 1018 NP1:139.000000, s53.000000,
-1.86.000000. NP2:324.000000, s37.000000,
-1.86.000000. Principal axes: T 3.7700, Plg8.000000,
Az=231.000000; N -0.0700, Plg2.000000, Az=140.000000; P
-3.7000, Plg81.000000, Az=35.000000.

ISC 28 18:54:20.2-0.5, 52.54N, 132.66W, 0.03, h5.3km, 2km,
h5km, P-P, N1937, 1939/1960, m5.6/9/378, MS3.6/227,
57C-121D, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like BARRY INLET, VAN INLET, etc.

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Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like BELLA BELLA, CRAIG, HOLB, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like UMPPONA NATIONA, PINE, BOSELEY BUTTE, etc.

28d 18h

G38A	Ridgeland	baz=302,SNR=7.7	27.54	89	P	P	19 00 08.2 +0.6
E39A	Mellen	baz=292,SNR=8.3	27.74	86	P	P	19 00 12.8 +3.4
F39A	Loretta	baz=300,SNR=13	27.74	87	P	P	19 00 11.8 +2.3
C40A	Isle Royale Na	baz=299	27.89	82	P	P	19 00 10.3 -0.4
E40A	Wakefield	baz=299	28.11	85	P	P	19 00 13.6 +0.9
EPT	El Paso	comp=Z,425nm,1.8s	28.13	127	eP	P	19 00 13.1 -0.1
H39A	Augusta	baz=302,SNR=15	28.14	89	P	P	19 00 13.2 +0.2
KSU1	Kansas State U	comp=Z,227nm,1.4s	28.16	104	eP	P	19 00 12.1 -1.2
KSU1	Kansas State U	comp=Z,44um,20.0s			LR	LR	
KSU1	Kansas State U	baz=311	28.16	104	P	P	19 00 13.5 +0.2
AMTX	Amarillo	comp=Z,270nm,1.2s	28.20	116	eP	P	19 00 13.3 -0.4
AMTX	Amarillo	baz=319	28.20	116	P	P	19 00 14.7 +1.0
MSTX	Muleshoe	comp=Z,299nm,1.0s	28.30	119	eP	P	19 00 14.9 +0.3
MSTX	Muleshoe	baz=320,SNR=19	28.30	119	P	P	19 00 15.2 +0.6
I39A	Houston	comp=Z,461nm,1.7s	28.43	91	eP	P	19 00 15.3 -0.3
I39A	Houston	baz=303,SNR=13	28.43	91	P	P	19 00 15.5 -0.1
HSIG	State Center	comp=Z,127nm,1.1s	28.46	137	eP	P	19 00 15.2 -0.8
SCIA	State Center	comp=Z,266nm,1.1s	28.48	96	eP	P	19 00 15.6 -0.5
SCIA	State Center	baz=306,SNR=7.1	28.48	96	P	P	19 00 18.0 +1.9
G40A	Rib Lake	baz=301	28.50	88	P	P	19 00 15.8 -0.4
J39A	Decarah	baz=304,SNR=14	28.59	92	P	P	19 00 15.6 -0.5
U32A	Winter Ranch,	comp=Z,263nm,1.3s	28.61	111	eP	P	19 00 16.9 -0.5
D41A	Chassel	baz=298	28.63	83	P	P	19 00 18.5 +1.2
E41A	Kenton	baz=299	28.67	85	P	P	19 00 16.8 -0.9
COWI	Conover	comp=Z,218nm,1.8s	28.73	85	eP	P	19 00 17.4 -0.9
COWI	Conover				LR	LR	
MNTX	Cornudas Mount	comp=Z,111um,21.0s	28.75	126	eP	P	19 00 18.3 -0.2
MNTX	Cornudas Mount	comp=Z,137nm,1.3s			LR	LR	
MNTX	Cornudas Mount	comp=Z,22um,20.0s	28.75	126	P	P	19 00 18.8 +0.3
K39A	Oelwein	baz=305,SNR=92	28.83	93	P	P	19 00 18.4 -0.8
F41A	Three Lakes	baz=300	28.93	86	P	P	19 00 19.2 -0.9
I40A	Norwalk	baz=303,SNR=13	28.96	90	P	P	19 00 21.0 +0.7
L39A	Vinton	baz=306,SNR=14	29.09	95	P	P	19 00 22.5 +1.0
J40A	Soldiers Grove	baz=304	29.15	91	P	P	19 00 23.0 +0.9
K40A	Colesburg	baz=304	29.29	93	P	P	19 00 23.5 +0.2
E42A	Champion	baz=299	29.32	84	P	P	19 00 22.9 -0.6
I41A	Arkdale	baz=302	29.32	89	P	P	19 00 24.8 +1.2
M39A	Webster	baz=306,SNR=14	29.36	96	P	P	19 00 24.3 +0.3
SRIG	Santa Rosalia	comp=Z,282nm,1.3s	29.51	141	eP	P	19 00 24.8 0.0
F42A	Maple Grove Fa	baz=301	29.51	85	P	P	19 00 26.4 +1.2
N39A	Derby Farms, D	comp=Z,410nm,1.8s	29.52	97	eP	P	19 00 24.5 -0.8
N39A	Derby Farms, D	baz=307,SNR=9.7	29.52	97	P	P	19 00 25.2 -0.1
L40A	Anamosa	baz=306,SNR=9.8	29.60	94	P	P	19 00 25.5 -0.5
J41A	Loganville	baz=304	29.61	91	P	P	19 00 25.7 -0.4
JFWS	Jewell Farm	comp=Z,238nm,1.7s	29.72	92	eP	P	19 00 26.4 -0.6
JFWS	Jewell Farm	comp=Z,122um,20.0s			LR	LR	
JFWS	Jewell Farm	comp=Z,238nm,1.7s	29.72	92	eP	P	19 00 26.4 -0.6
JFWS	Jewell Farm				eP	P	
JFWS	Jewell Farm				MLR	MLR	
JFWS	Jewell Farm	comp=Z,122um,20.0s	29.72	92	P	P	19 00 25.4 -1.7
M40A	Post Highland	baz=304,SNR=7.7	29.81	95	P	P	19 00 28.5 +0.7
K41A	Shullsburg	baz=306,SNR=16	29.85	92	P	P	19 00 28.5 +0.2
E43A	Lone Tree Farm	baz=299	29.90	83	P	P	19 00 27.7 -1.0
WMOK	Wichita Mounta	comp=Z,181nm,0.9s	29.92	113	eP	P	19 00 29.5 +0.6
WMOK	Wichita Mounta	comp=Z,181nm,0.9s	29.92	113	eP	P	19 00 29.5 +0.6
WMOK	Wichita Mounta	comp=Z,198nm,1.3s			eP	P	
WMOK	Wichita Mounta	comp=Z,198nm,1.3s	29.92	113	P	P	19 00 29.7 +0.8
I42A	Draeger Farm,	comp=Z,300nm,1.7s	30.00	89	eP	P	19 00 28.9 -0.6
I42A	Draeger Farm,	baz=303	30.00	89	P	P	19 03 31.5 0.0
F43A	Flat Rock, Esc	baz=300	30.06	84	P	P	19 00 30.6 +0.5
J42A	Columbus	baz=304	30.18	90	P	P	19 00 30.1 -1.0
H43A	Windswept, Lux	baz=302	30.39	87	P	P	19 00 32.3 -0.6
M41A	Milan	baz=306	30.42	95	P	P	19 00 32.9 -0.3
I43A	Langenfeld Bro	baz=303	30.47	88	P	P	19 00 33.7 0.0
N41A	Harden Midland	comp=Z,326nm,1.0s	30.62	96	eP	P	19 00 34.5 -0.6
N41A	Harden Midland	comp=Z,326nm,1.0s	30.62	96	eP	P	19 03 30.6 -2.6
N41A	Harden Midland	baz=307,SNR=23	30.79	108	eP	P	19 00 35.6 +0.5
TUL1	Leonard	comp=Z,154nm,1.0s	30.79	108	P	P	19 00 36.2 -0.3
TUL1	Leonard	baz=315,SNR=12	30.79	108	P	P	19 00 36.9 +0.3
O41A	Passleys Farm,	baz=308,SNR=31	30.97	97	P	P	19 00 38.1 0.0
ABTX	Ablene, Hawle	comp=Z,179nm,1.6s	31.02	117	eP	P	19 00 38.3 -0.3
ABTX	Ablene, Hawle	comp=Z,179nm,1.6s	31.02	117	P	P	19 00 39.2 +0.6
N42A	Yates City	baz=302,SNR=16	31.05	95	P	P	19 00 38.7 -0.1
P41A	Barry, Barry	baz=309,SNR=22	31.13	98	P	P	19 00 39.7 +0.2
O42A	Bath	baz=308,SNR=8.1	31.40	96	P	P	19 00 41.8 -0.1
O41A	Truxton	baz=310,SNR=37	31.48	99	P	P	19 00 42.2 -0.4
N43A	Stutzman Farm	baz=307	31.51	94	P	P	19 00 43.1 +0.2
TX31	Lajitas Ar. Si	31.52	126	eP	P	P	19 00 42.8 -0.5
LTX	Lajitas	31.52	126	eP	P	P	19 00 42.5 -0.7
LTX	Lajitas	31.52	126	eP	P	P	19 03 35.0 -0.9
LTX	Lajitas	31.52	126	eP	P	P	19 00 42.5 -0.7
LTX	Lajitas	31.52	126	eP	P	P	19 03 35.0 -0.9
TXAR	Lajitas Array	comp=Z,21nm,0.8s, baz=330,slow=7.2,SNR=56	31.52	126	eP	P	19 00 42.5 -0.7
TXAR	Lajitas Array	comp=Z,21nm,0.8s, baz=330,slow=7.2,SNR=56			P	P	19 03 35.0 -0.9
TXAR	Lajitas Array	comp=Z,14nm,1.2s, baz=343,slow=2.8,SNR=2.8			LR	LR	19 14 02.0
TXAR	Lajitas Array	comp=Z,14nm,1.2s, baz=343,slow=2.8,SNR=2.8	31.62	97	P	P	19 00 43.9 0.0
P42A	Winchester	baz=309,SNR=23	31.62	97	P	P	19 00 44.1 +0.3

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HDIL	Hopedale	comp=Z,440nm,1.4s	31.66	95	eP	P	19 00 43.6 -0.6
HDIL	Hopedale	comp=Z,75um,19.0s			LR	LR	
HDIL	Hopedale	baz=307,SNR=9.4	31.66	95	P	P	19 00 44.6 +0.3
R41A	Rosebud	baz=310,SNR=79	31.81	100	P	P	19 00 44.9 -0.6
U39A	Green Forest	baz=312,SNR=21	31.82	105	P	P	19 00 45.3 -0.4
T40A	Mansfield	baz=310,SNR=43	31.87	103	P	P	19 00 45.3 -0.8
Q42A	Golden Eagle	baz=312,SNR=21	31.93	98	P	P	19 00 46.6 0.0
M44A	Midewin, Midew	baz=306	31.93	92	P	P	19 00 46.2 -0.4
CCM	Cathedral Cave	comp=Z,212nm,1.0s	32.04	100	eP	P	19 00 46.9 -0.7
CCM	Cathedral Cave	comp=Z,212nm,1.0s	32.04	100	eP	P	19 00 46.9 -0.7
CCM	Cathedral Cave	comp=Z,212nm,1.0s	32.04	100	P	P	19 00 47.0 -0.7
S41A	Jillico Farms,	baz=312,SNR=12	32.05	101	P	P	19 00 47.7 0.0
P43A	Skaggs, Pawnee	baz=308,SNR=24	32.08	96	P	P	19 00 48.0 +0.1
V39A	Pettigrew	baz=314,SNR=35	32.09	106	P	P	19 00 48.3 +0.1
GLMI	Graying	comp=Z,283um,20.0s	32.13	84	P	P	19 01 00.0 +1.2
R42A	Luebbering	baz=310,SNR=26	32.17	99	P	P	19 00 48.8 +0.1
U40A	Yellville	baz=313,SNR=55	32.21	104	P	P	19 00 47.8 -1.2
BILL	Bilibino	comp=Z,23um,20.0s	32.35	322	P	P	19 01 00.0 +1.0
BILL	Bilibino	comp=Z,23um,20.0s	32.35	322	P	P	19 00 49.0 -1.0
BILL	Bilibino	comp=Z,23um,20.0s	32.35	322	P	P	19 01 58.6
BILL	Bilibino	comp=Z,23um,20.0s	32.35	322	P	P	19 01 54.9
BILL	Bilibino	comp=Z,23um,20.0s	32.35	322	P	P	19 03 42.2
BILL	Bilibino	comp=Z,21nm,1.1s			MLR	MLR	
T41A	Mountain View	comp=Z,22um,17.0s	32.40	102	P	P	19 00 49.8 -1.0
Q43A	New Douglas	baz=312,SNR=13	32.41	97	P	P	19 00 50.7 -0.1
W39A	Magazine	baz=310,SNR=33	32.46	107	eP	P	19 00 50.8 -0.5
W39A	Magazine	comp=Z,108nm,1.0s	32.46	107	P	P	19 00 51.8 +0.6
S42A	Caledonia	baz=315,SNR=22	32.50	100	P	P	19 00 50.9 -0.7
K46A	Dorr	baz=304,SNR=8.2	32.57	89	P	P	19 00 51.1 -1.1
HPIG	Junction City	comp=Z,176nm,1.5s	32.58	131	eP	P	19 00 52.2 -0.4
JCT	Junction City	comp=Z,80nm,0.9s	32.59	120	eP	P	19 00 51.8 -0.7
JCT	Junction City	comp=Z,20um,20.0s	32.59	120	eP	P	19 03 40.9 +2.1
JCT	Junction City	comp=Z,20um,20.0s	32.59	120	eP	P	19 00 51.8 -0.7
JCT	Junction City	comp=Z,80nm,0.9s			eP	P	19 03 40.9
JCT	Junction City	comp=Z,80nm,0.9s	32.59	120	eP	P	19 00 51.8 -0.7
JCT	Junction City	comp=Z,20um,20.0s	32.59	120	eP	P	19 03 40.9
JCT	Junction City	comp=Z,20um,20.0s	32.59	120	eP	P	19 00 52.4 -0.1
V40A	Witts Springs	baz=322,SNR=17	32.60	105	P	P	19 00 52.2 -0.3
R43A	Red Bud	baz=314,SNR=36	32.69	99	P	P	19 00 52.7 -0.5
WHTX	Lake Whitmer,	comp=Z,121nm,1.4s	32.70	115	eP	P	19 00 52.0 -1.4
P44A	Sand Creek, Wi	baz=309	32.74	96	P	P	19 00 53.4 -0.2
X39A	Fountain Ranch	baz=316,SNR=12	32.75	108	P	P	19 00 53.7 -0.2
U41A	Viola	baz=313,SNR=16	32.77	103	P	P	19 00 53.4 -0.6
O45A	Potomac	comp=Z,128nm,1.1s	32.80	94	P	P	19 00 54.2 0.0
T42A	Van Buren	comp=Z,66nm,0.9s	32.81	101	eP	P	19 00 53.1 -1.2
T42A	Van Buren	comp=Z,66nm,0.9s	32.81	101	eP	P	19 03 38.5 -0.6
T42A	Van Buren	comp=Z,66nm,0.9s	32.81	101	eP	P	19 00 54.5 +0.2
Q44A	Meyer Farm, Va	baz=309	32.85	97	P	P</	

Table with columns for call sign, location, frequency, power, and other details. Includes entries like 750A Paris, W47A Westpoint, T49A Edmonton, etc.

Table with columns for call sign, location, frequency, power, and other details. Includes entries like W52A Murphy, W52A Murphy, Z50A Ashland, etc.

Table with columns for call sign, location, frequency, power, and other details. Includes entries like SUMG Summit, SKR Severo-Kuril's, SKR Severo-Kuril's, etc.

28d 18h

2012 OCT

1430

Table with columns: Station, Frequency, Power, Direction, Date/Time, and other parameters. Includes stations like GRNR Gornyy, MTDJ Mount Denham, and many others.

Table with columns: Station, Frequency, Power, Direction, Date/Time, and other parameters. Includes stations like HIA, MAJO, MAT, and many others.

Table with columns: Station, Frequency, Power, Direction, Date/Time, and other parameters. Includes stations like HELC, TLY, WME, and many others.

Table with columns for station call signs (e.g., GOPC, AFI, PGAV), frequencies, and various status codes (e.g., AMS, S, P, LR).

Table with columns for station call signs (e.g., MOTA, NIE, NIE, NIE), frequencies, and various status codes (e.g., iSP, P, S, LR).

Table with columns for station call signs (e.g., LIS, LIS, LIS, LIS), frequencies, and various status codes (e.g., eS, S, P, LR).

Table with columns for location (e.g., MORH, WHN, WHN), time (78.59, 20), and various status indicators (eP, P, S, LR, etc.).

Table with columns for location (e.g., AAA, CFR, CFR, MDOK), time (comp=Z,4um,16.0s), and various status indicators (MLR, MLR, P, etc.).

Table with columns for location (e.g., KIV, KIV, KVAR), time (comp=Z,146nm,1.1s), and various status indicators (pmax, pmax, P, etc.).

comp=Z,43nm,0.8s,baz=272,slow=3.4,SNR=31
SUR Sutherland 152.18 54 PFAKE LR 19 14 20.0 +3.3
 comp=Z,17µm,22.0s
MIR Mirnyy 153.69 220 LPFKPKP PKPbc 19 14 15.0 -3.6
 LR LR pmax pmax
 comp=Z,136nm,2.0s
NVL N'lazarevskaya 155.76 152 ePKP2 PKPab 19 14 33.7 -6.5
 BV N'lazarevskaya 19 18 17.7 -0.2
SYO Syowa Base 163.07 170j eP PKPdf 19 14 26.2 +4.2

PGC 28 18:57:30.4+14.0,52:56N;132:57W,h27km,1km,mb5.3,ML4.9/4,Mw5.3,91km southwest of Sandspit, Bc Haida Gwaii Region
 IDC 28 18:57:30.1+0.5,52:51N;132:52W,h0km,mb4.7/30,mb1.4,3/34,mb1mx4.6/71,mbtmp4.7/34,ML4.1/3,Error ellipse: s-maj=9.9km s-min=7.1km az=81.0
 NEIC 28 18:57:31.3+0.3,52:47N;132:37W,h10km,mb5.3/3,MW5.2(O,TT),Error ellipse: s-maj=9.0km s-min=6.1km az=205.0

ISCJB 28 18:57:33.1+0.8,52:68N;132:50W;0.07,h24km,4km,mb4.7/34,Error ellipse: s-maj=7.6km s-min=3.5km az=147.1
 ISC 28 18:57:33.0+0.7,52:66N;132:43W;0.05,h16km,3km,h16km;pp-P,157,0.15/166,mb4.7/34,Queen Charlotte Islands region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
BNN	Barry Inlet	0.42	101	Op	18 57 33.2	-2.7
BNN	Barry Inlet	0.42	101	Pg	18 57 47.7	+1.1
DIB	Dawson Inlet	0.54	357	P	18 57 43.0	-1.1
DIB	Dawson Inlet	0.54	357	S	18 57 51.0	-0.4
H02S1	DAWSON INLET T	0.54	357	Pg	18 57 43.9	-0.2
H02S1	DAWSON INLET T	0.54	357	Lg	18 57 52.0	0.0
M0BC	Moresby Island	0.56	30	Pg	18 57 44.3	-0.1
M0BC	Moresby Island	0.56	30	S	18 57 53.5	+0.9
H02N1	VAN INLET T-PH	0.60	353	Pg	18 57 45.0	-0.1
H02N1	VAN INLET T-PH	0.60	353	Lg	18 57 54.3	-3.1
NDB	Naden	1.33	347	P	18 58 11.9	-3.0
NDB	Naden	1.33	347	S	18 57 55.2	-2.7
MASB	Masset	1.38	10	Pn	18 58 06.8	-1.2
RUBB	Prince Rupert	2.11	37	Pn	18 58 41.5	+0.2
RUBB	Prince Rupert	2.11	37	Sg	18 58 14.4	-1.5
BBB	Bella Bella	2.68	99	Pn	18 58 56.1	0.0
BBB	Bella Bella	2.68	99	Lg	18 58 56.1	0.0
BBB	Bella Bella	2.68	99	ePn	18 58 56.1	-3.2
BBB	Bella Bella	2.68	99	ePn	18 58 56.1	-3.2
WRAK	Wrangell Island	3.77	1	ePn	18 58 30.8	0.0
DLBC	Dease Lake	5.95	12	Pn	18 59 02.5	+1.8
DLBC	Dease Lake	5.95	12	Sn	19 00 11.9	+3.4
DLBC	Dease Lake	5.95	12	Lg	19 00 45.2	0.0
F05D	White Salmon	9.86	229	Pn	18 59 57.0	+2.6
J04D	Umpqua Nationa	11.68	140	Pn	19 00 23.4	+3.9
J05D	Fort Rock, OR	12.00	137	Pn	19 00 27.1	+3.4
M02C	Callahan	13.01	146	Pn	19 00 41.5	+4.0
M02C	Trinity Center	13.44	147	Pn	19 00 46.3	+3.0
YKA	Yellowknife Ar	13.67	37	Pn	19 00 45.7	-0.7
ILAR	Eielson Array	14.22	334	Pn	19 00 55.2	+1.3
LRM	Limekiln Ridge	14.71	110	ePn	19 00 50.9	-1.0
DLMT	Dillon	14.89	111	ePn	19 01 35.9	+2.4
NVAR	Mina Array Bea	17.28	140	Pn	19 01 35.3	-0.2
BW06	Boulder Array	18.22	114	P	19 01 48.8	+2.7
PDAR	Pineda Array	18.22	114	P	19 01 49.4	+3.5
DUG	Dugway, Tooele	18.32	125	P	19 01 48.8	+2.0
R11A	Troy Canyon, C	18.48	134	Pn	19 01 50.2	+1.4
RSSD	Black Hills	20.59	103	Pn	19 02 14.1	+0.1
GSC	Goldstone, Bar	20.60	141	P	19 02 12.8	+1.1
TUQ	Turquoise Moun	20.82	139	P	19 02 15.3	+1.1
HEC	Hector,Ludlow	21.20	141	P	19 02 18.9	+0.8
MDND	Maddock	21.41	90	P	19 02 21.3	+0.9
GMRC	Granite Mounta	21.50	140	P	19 02 22.5	+1.0
NEE2	Needles Airpor	21.93	138	P	19 02 27.5	+1.5
BELC	Belle Mtn. Jos	22.06	141	P	19 02 28.3	+0.8
IRM	Iron Mountain	22.25	139	P	19 02 30.3	+0.8
WUAZ	Wupatki	22.72	131	P	19 02 34.8	+0.2
Y12C	Blythe	22.85	139	P	19 02 37.1	+1.3
MONP2	Monument Peak	22.89	143	P	19 02 37.2	+0.8
IKP	In-Ko-Pah, Jac	23.22	143	P	19 02 40.6	+0.9
SUSD	Miller	23.26	97	P	19 02 43.2	+1.3
SDCO	Great Sand Dun	23.94	118	P	19 02 47.6	+0.7
214A	Organ Pipe Nat	25.12	138	P	19 02 58.5	+1.1
ECSD	EROS Data Cent	25.26	96	P	19 02 59.5	+0.9
LTX	Lajitas	31.48	126	eP	19 03 52.5	-1.9
TXAR	Lajitas Array	31.48	126	P	19 03 52.5	-1.9
V41A	Mountainview	32.91	105	P	19 04 06.1	-0.6
A34A	Fulton Ridge,	32.94	100	P	19 04 06.5	-0.4
P45A	Graceland, Par	33.10	95	P	19 04 08.4	0.0
Q45A	Warren Harvey,	33.25	97	P	19 04 11.4	+1.7
R47A	Wooly Knot Far	34.62	96	P	19 04 21.8	+0.3
S48A	Wiedeman Farm,	35.31	96	P	19 04 27.2	-0.3
ALGO	Algonquin Park	35.34	79	P	19 04 28.3	+0.9
E53A	Dumoine, Ponti	35.35	78	P	19 04 28.3	+0.5
T48A	Bowling Green	35.46	97	P	19 04 28.6	-0.2
E54A	Lac Daplat, Po	35.61	77	P	19 04 30.1	+2.1
R50A	Paris	35.96	94	P	19 04 32.7	-0.4
342A	Flagon Creek P	35.96	110	P	19 04 35.3	+2.2
R51A	Hillsboro	36.40	93	P	19 04 36.5	-0.3
U50A	Jamestown	36.85	97	P	19 04 40.9	+0.2
X48A	Hartsele	36.86	101	P	19 04 40.4	-0.4
ALFO	Alfred	37.40	77	P	19 04 46.1	+0.9
SCHO	Schefferville	37.58	60	P	19 04 47.8	+1.0
X50B	Fort Payne	37.68	100	P	19 04 47.3	-0.5
W51A	Cleveland	37.74	98	P	19 04 48.4	+0.1
V52A	Sevierville	37.89	96	P	19 04 50.8	+0.4
X51A	Calhoun	38.09	99	P	19 04 51.0	-0.2

L0NY	Lake Ozonia	38.12	78	P	19 04 52.4	+0.9
W52A	Murphy	38.29	98	P	19 04 53.2	+0.2
V53A	Salla	38.58	96	P	19 04 56.1	+0.7
X52A	Dahlonaga	38.64	98	P	19 04 55.8	-0.1
B3NY	Binghamton	38.65	82	P	19 04 56.0	+0.1
W53A	Cullowhee	38.70	97	P	19 04 56.8	+0.3
BLA	Blacksburg	39.02	92	P	19 04 59.8	+0.7
SEY	Seymchan	39.06	315	P	19 04 59.8	+0.7
Y53A	Monroe	39.34	99	P	19 05 02.0	+0.3
N59A	State Game Lan	39.54	84	P	19 05 03.8	+0.4
Y54A	Tignall	39.88	98	P	19 05 06.4	+0.3
PEA1	Petrovlovsk-	40.61	300	eP	19 05 12.2	+0.1
PETK	Petrovlovsk-	40.62	300	eP	19 05 12.2	+0.1
MA2	Magadan	41.11	311	P	19 05 17.0	+1.0
SUMG	Summit	41.97	27	P	19 05 21.5	-1.9
YAK	Yakutsk	48.70	322	P	19 06 16.7	+0.3
NRIK	Norilsk	54.84	344	P	19 07 01.3	-0.8
ARAO	ARCES Array S	57.05	9	eP	19 07 17.8	-0.2
ARCS	ARCES Array B	57.05	9	eP	19 07 17.8	-0.2
USRK	Ussuriysk Ar	59.44	304	P	19 07 34.6	-0.4
MAJO	Matsushiro	61.60	294	eP	19 07 49.7	-0.2
MJAR	Matsushiro Arr	61.60	294	eP	19 07 49.7	-0.2
NB2	NORSAR Subarra	62.99	19	P	19 07 59.7	+0.8
NB2	NORSAR Subarra	62.99	19	P	19 07 59.7	+0.8
NB20	NORSAR Array B	62.99	19	eP	19 07 59.6	+0.8
NOA	NORSAR Array B	62.99	19	P	19 07 59.6	+0.8
HFS	Hagfors	64.31	18	P	19 08 08.0	+0.5
EKA	Eska	64.50	29	P	19 08 09.1	+0.3
KSR5	Korea Array	66.48	301	P	19 08 21.7	-0.2
KS15	Wongji Array S	66.51	301	P	19 08 21.7	-0.4
KSAR	Wongji Array B	66.51	301	P	19 08 21.7	-0.4
JNU	Nakatsue	68.18	296	P	19 08 31.3	-1.5
JNU	Nakatsue	68.18	296	eP	19 08 31.3	-1.5
ZAA1	Zalesovo Array	69.32	338	eP	19 08 38.6	-0.9
ZALV	Zalesovo Beam	69.32	338	P	19 08 38.6	-0.9
ARU	Art	70.90	354	P	19 08 48.6	-0.5
OBN	Obninsk	72.32	7	P	19 08 57.7	-0.3
CLL	Collim	72.92	22	iP	19 08 58.9	+0.7
BLR	Borovoye	72.97	346	P	19 09 00.1	-1.5
BRG	Berggiesshuhl	73.01	22	iP	19 09 05.2	+3.3
BRG	Berggiesshuhl	73.01	22	iP	19 09 05.2	+3.3
PVCC	Panska Ves	73.47	21	eP	19 09 06.1	+1.5
PVCC	Panska Ves	73.47	21	eP	19 09 08.8	-0.9
KURK	Kurchatov Ar	73.71	340	P	19 09 06.3	+0.2
KURB	Kurchatov Ar	73.71	340	P	19 09 06.3	+0.2
DPC	Dobruska-Polom	74.02	20	eP	19 09 05.9	+1.6
DPC	Dobruska-Polom	74.02	20	eP	19 09 15.8	0.0
GOPC	GO Peeny, Ondr	74.09	21	eP	19 09 08.6	+1.2
GAIV	Gavrieva, Arco	74.14	40	P	19 09 09.1	+0.2
KRLC	Kraliky	74.27	20	P	19 09 11.4	+1.4
KRLC	Kraliky	74.27	20	P	19 09 15.3	+0.2
KHC	Kasperske Hory	74.56	22	eP	19 09 12.6	+1.5
KHC	Kasperske Hory	74.56	22	eP	19 09 15.7	-0.5
POLO	Lamas de Olo	74.83	40	iP	19 09 13.8	+0.9
GERES	GERES Array B	74.83	40	iP	19 09 13.8	+0.9
PBRG	Braganca	74.87	39	iP	19 09 12.8	-0.2
OKC	Ostrava-Krasne	74.88	19	eP	19 09 13.9	+1.0
OKC	Ostrava-Krasne	74.88	19	eP	19 09 20.8	0.0
VRAO	Vranov	75.06	20	P	19 09 14.6	+0.7
MVOC	Moncorvo	75.31	40	iP	19 09 16.8	+1.2
PCAS	Casimilo, Conde	75.68	41	iP	19 09 18.3	+0.6
LANS	Liptovska Anna	75.79	19	eP	19 09 19.5	+1.3
LANS	Liptovska Anna	75.79	19	eP	19 09 26.6	+1.4
AKASG	Malin Array Be	75.85	12	P	19 09 18.2	-0.2
AKB8	Malin Array Si	75.85	12	eP	19 09 16.8	-1.6
MODS	Modra-Piesok	76.09	20	eP	19 09 20.3	+0.4
MODS	Modra-Piesok	76.09	20	eP	19 09 26.8	-0.1
PCBR	Castelo Branco	76.27	41	iP	19 09 21.1	+0.1
VYHS	Vyhne	76.30	19	eP	19 09 22.1	+1.1
VYHS	Vyhne	76.30	19	eP	19 09 28.5	+0.5
ALMR	Almeirim	76.41	42	iP	19 09 23.3	+1.5
MK32	Makanchi Array	76.57	336	P	19 09 22.0	-0.7
MKAR	Makanchi Array	76.57	336	P	19 09 22.0	-0.7
PESTR	Estremoz	77.05	41	iP	19 09 26.1	+0.6
ESDC	Seneca Array	77.77	38	P	19 09 29.9	+0.4
MLR	Muntea Rosu	80.48	15	P	19 09 46.2	+1.8
VTS	Vitosha	82.82	18	eP	19 09 56.9	+0.2
MDT	Middelt	83.49	42	eP	19 10 00.8	+0.4
KEST	Kesra	85.88	30	P	19 10 13.2	-0.8
BR10T	Reskin Array S	87.19	11	P	19 10 18.8	-0.1
BRTR	Reskin Array B	87.20	11	P	19 10 18.8	-0.1
LPAZ	La Paz	88.13	120	P	19 10 22.1	-1.9
DHRM	DHARAMSHALA	91.80	336	eP	19 10 40.1	-0.6
SMLA	Shilila	92.65	335	eP	19 10 38.3	-0.6
SMLA	Shilila	92.65	335	eP	19 10 45.1	-1.4
SHL	Shillong	93.05	321	eP	19 11 41.4	-1.4
DDI	Dehra Dun	93.18	334	eP	19 11 47.9	+1.1
CMAR	Chiang Mai Arr	96.39	312	P	19 11 00.4	-1.3
BOK	Bokaro	96.87	325	eP	19 11 03.1	-0.6
BOK	Bokaro	96.87	325	eP	19 12 08.5	0.0
BHPL	Bhopal	100.06	332	eP	19 11 17.2	-0.9
BHPL	Bhopal	100.06	332	eP	20 02 25.4	0.0
BWNR	Bhubaneswar	100.12	324	eP	19 1	

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HFS Hagfors, EKA Eskdalemuir, etc.

ICD 28 19:03:19.1.0.4.52:63N:132:78W, h0km, mb4.9/42, mb1.4.9/47, mb1mx4.8/69, mbtmp4.8/47, ML3.7/3, Error ellipse: s-maj=6.3km z-min=6.3km z=94.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DIB Dawson Inlet, H02S1 DAWSON INLET T, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NLLB Nanaimo Lost L, YOUNG Youbou, Lake C, WSLR Whistler, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like R11A Troy Canyon, TIN Tinnehaha, GRAC Graveline Rang, etc.

GLA	Glamis	23.45	140	eP	P	19 08 31.4 +0.6
GLA	comp=Z,292nm,1.6s					
GLA	Glamis	23.45	140	P	P	19 08 31.4 +0.6
SUDA	Miller	23.52	97	P	P	19 08 33.3 +2.0
OGNE	Ogallala	23.77	108	P	P	19 08 35.9 +2.0
SDCO	Great Sand Dun	24.03	118	P	P	19 08 37.7 +1.1
KSCO	Kaye Sheddock	24.72	112	eP	P	19 08 45.0 +2.4
KSCO	Kaye Sheddock	24.72	112	P	P	19 08 44.2 +1.6
T25A	Trinidad	25.07	117	P	P	19 08 47.0 +1.1
SOLO	Stouffville	25.14	80	P	P	19 08 43.8 -2.5
214A	Organ Pipe Nat	25.22	138	P	P	19 08 47.8 +0.6
ECSD	EROS Data Cent	25.32	96	P	P	19 08 50.0 +2.1
ANMO	Albuquerque	25.66	124	P	P	19 08 51.9 +0.6
ANMO	Albuquerque	25.66	124	P	P	19 08 52.6 +1.3
LAZ	Ladron	25.77	125	eP	P	19 08 54.1 +1.9
TUC	Tucson	25.77	134	eP	P	19 08 54.0 +1.8
TUC	comp=Z,70nm,1.4s					
TUC	Tucson	25.77	134	P	P	19 08 54.1 +1.8
CBKS	Cedar Bluff	26.50	109	P	P	19 09 00.3 +1.6
RES	Resolute Bay	26.68	21	P	P	19 09 02.1 +2.1
RES	Resolute Bay	26.68	21	P	P	19 09 53.5 -6.5
ADK	Adak	26.70	286	eP	P	19 08 59.5 -0.8
ADK	Adak	26.70	286	P	P	19 08 59.5 -0.8
121A	Cookes Peak, D	26.96	129	P	P	19 09 04.1 +1.1
121A	comp=Z,27nm,1.1s					
121A	Cookes Peak, D	26.96	129	P	P	19 09 04.1 +1.1
TBO	Thunder Bay	27.20	81	P	P	19 09 07.5 -5.0
GTO	Geraldton	28.30	78	P	P	19 09 09.4 -5.3
I39A	Houston	28.34	92	P	P	19 09 15.7 +0.6
ILON	Igloolik, Nuna	28.48	35	P	P	19 09 12.4 -3.6
J39A	Decorah	28.51	93	P	P	19 09 16.7 +0.1
HSIG	comp=Z,26nm,1.0s					
HSIG	Decorah	28.56	138	eP	P	19 09 18.0 +0.8
MNTX	Cornudas Mnt	28.80	126	eP	P	19 09 20.3 +1.0
MNTX	Cornudas Mnt	28.80	126	P	P	19 09 20.1 +0.8
VIMO	Victor Mine	29.04	70	P	P	19 09 20.1 -1.1
M39A	Webster	29.30	96	P	P	19 09 25.1 +1.5
L40A	Anamosa	29.53	94	P	P	19 09 26.1 +0.4
M40A	Post Highland	29.74	96	P	P	19 09 27.7 +0.2
WMOK	Wichita Moun	29.92	114	eP	P	19 09 31.1 +1.9
WMOK	Wichita Moun	29.92	114	P	P	19 09 31.1 +1.9
WMOK	Wichita Moun	29.92	114	P	P	19 09 30.3 +1.1
N40A	Mertquake, Sal	30.01	97	P	P	19 09 31.3 +1.4
K42A	Prairie Point,	30.26	92	P	P	19 09 33.4 +1.3
N41A	Harden Midland	30.56	96	P	P	19 09 35.7 +1.0
O41A	Passleys Farm,	30.90	97	P	P	19 09 38.5 +0.7
N42A	Yates City	30.98	95	P	P	19 09 39.3 +0.8
EUNU	Eureka	31.21	14	P	P	19 09 41.4 +1.2
Q41A	Truxton	31.42	99	P	P	19 09 42.8 +0.5
P42A	Winchester	31.56	98	P	P	19 09 44.5 +1.0
TXAR	Lajitas Array	31.58	126	P	P	19 09 45.0 +1.1
TXAR	comp=Z,11nm,0.8s,baz=329,slow=7.4,SNR=22					
HDIL	Hopedale	31.59	95	eP	P	19 12 35.2 -0.8
HDIL	Hopedale	31.59	95	P	P	19 09 45.4 +1.5
R41A	Robesud	31.76	100	P	P	19 09 45.2 +1.3
U39A	Green Forest	31.79	105	P	P	19 09 45.3 0.0
T40A	Mansfield	31.84	103	P	P	19 09 46.1 +0.4
Q42A	Golden Eagle	31.87	99	P	P	19 09 46.2 +0.2
CCM	Cathedral Cave	31.99	101	P	P	19 09 47.5 +1.2
S41A	Jilco Farms,	32.00	102	P	P	19 09 48.1 +0.7
P43A	Skaggs, Pawnee	32.02	97	P	P	19 09 48.0 +0.5
V39A	Pettigrew	32.07	106	P	P	19 09 48.7 +1.0
R42A	Luebbering	32.12	100	P	P	19 09 49.0 +0.5
U40A	Yellville	32.18	105	P	P	19 09 49.2 +0.2
BILL	Bilibino	32.24	322	eP	P	19 09 49.5 +0.3
BILL	Bilibino	32.24	322	P	P	19 09 49.3 +0.1
BILL	Bilibino	32.24	322	P	P	19 09 55.5
Q43A	New Douglas	32.35	98	P	P	19 09 51.5 +0.9
T41A	Mountain View	32.35	103	P	P	19 09 50.8 +0.1
S42A	Caledonia	32.45	101	P	P	19 09 50.9 -0.6
V40A	Witts Springs	32.57	105	eP	P	19 09 53.6 +1.0
V40A	Witts Springs	32.57	105	P	P	19 09 53.2 +0.7
JCT	Junction City	32.62	120	P	P	19 09 54.5 +1.4
R43A	Red Bud	32.64	99	P	P	19 09 52.8 -0.2
HPIG	Sand Creek, Wi	32.66	132	eP	P	19 09 55.6 +2.1
P44A	Sand Creek, Wi	32.67	96	P	P	19 09 53.3 -0.1
U41A	Viola	32.73	104	P	P	19 09 53.2 -0.7
T42A	Van Buren	32.76	102	P	P	19 09 52.0 -2.1
V41A	Mountainview	32.98	105	P	P	19 09 55.7 -0.4
S43A	Fulton Ridge,	33.01	100	P	P	19 09 56.0 -0.3
MIAR	Mount Ida	33.02	108	eP	P	19 09 57.8 +1.4
MIAR	Mount Ida	33.02	108	P	P	19 09 57.8 +1.4
MIAR	Mount Ida	33.02	108	P	P	19 09 57.6 +1.2
KILO	Kirkland Lake	33.13	76	P	P	19 09 57.3 0.0
U42A	Revenden	33.13	103	P	P	19 09 57.6 +0.2
P45A	Greenland, Par	33.16	95	P	P	19 09 58.3 +0.6
T43A	Greenville	33.21	101	P	P	19 09 58.1 0.0
WHAR	Woolly Hollow	33.24	105	eP	P	19 09 59.3 +0.9
Q45A	Warren Harvey,	33.31	97	P	P	19 09 59.3 +0.4

PBMO	Poplar Bluff	33.33	102	eP	P	19 09 59.0 -0.1
S44A	Carbondale	33.42	99	P	P	19 12 43.1 +2.6
P46A	Rosedale	33.43	95	P	P	19 10 00.6 +0.7
OLIL	Olney	33.43	97	eP	P	19 10 00.4 +0.4
R45A	Skler, Fairri	33.62	98	P	P	19 10 01.9 +0.3
SLBS	Sierra La Lagu	33.72	141	eP	P	19 10 04.0 +1.3
S45A	Castler Mills	33.84	99	P	P	19 10 04.2 +0.7
NMSO	Nemaska Statio	33.85	69	P	P	19 10 03.4 -0.2
FRB	Frisher Bay	33.91	46	P	P	19 10 05.9 +2.0
Z40A	Long Farm, Mag	34.05	109	P	P	19 10 06.9 +1.5
Y41A	Eaglette Beard	34.05	108	P	P	19 10 06.8 +1.4
P47A	Martinsville	34.08	94	P	P	19 10 05.4 -0.2
BLO	Bloomington	34.12	95	eP	P	19 10 07.0 +1.0
BLO	Bloomington	34.12	95	P	P	19 10 07.0 +1.0
R46A	Gibson Southern	34.13	97	P	P	19 10 06.3 +0.2
M49A	Liberty Center	34.27	89	P	P	19 10 06.2 -1.1
O48A	Farmland	34.28	92	P	P	19 10 07.0 -0.4
Q47A	Bedord North L	34.33	95	P	P	19 10 08.2 +0.4
S46A	Don Dixon Farm	34.35	98	P	P	19 10 08.7 +0.7
140A	Cam and Jess,	34.40	110	eP	P	19 10 10.3 +1.9
140A	Cam and Jess,	34.40	110	P	P	19 10 09.9 +1.5
LSQO	Lebel-sur-Quev	34.48	73	P	P	19 10 08.4 -0.5
833A	Chaparral WMA,	34.55	122	eP	P	19 10 11.3 +1.5
833A	Chaparral WMA,	34.55	122	P	P	19 10 10.7 +0.9
P48A	Milroy	34.61	93	P	P	19 10 10.5 +0.3
VLDQ	Val d'Or	34.65	75	eP	P	19 10 10.4 +0.1
VLDQ	Val d'Or	34.65	75	P	P	19 10 10.8 -2.2
T46A	Princeton	34.67	99	P	P	19 10 07.7 0.0
R47A	Wooly Knot Far	34.68	96	P	P	19 10 11.1 +0.3
Q48A	North Vernon	34.76	94	P	P	19 10 12.2 +0.8
CLWO	Collingswood	34.82	82	P	P	19 10 10.2 -1.8
BUKO	Buck Lake	34.84	80	P	P	19 10 12.4 +0.3
BUKO	Buck Lake	34.84	80	P	P	19 10 13.3 +1.2
WCI	Wyandotte Cave	34.86	96	eP	P	19 10 12.9 +0.5
WCI	Wyandotte Cave	34.86	96	P	P	19 10 12.9 +0.5
WCI	Wyandotte Cave	34.86	96	P	P	19 10 12.9 +0.5
Z42A	Norrel Spur, H	34.87	108	P	P	19 10 14.1 +1.6
R48A	Northridge Ran	35.01	95	P	P	19 10 14.1 +0.5
D53A	Lac Vacive, Po	35.01	77	P	P	19 10 15.1 +1.6
HKT	Hockley	35.16	116	eP	P	19 10 17.3 +2.3
HKT	Hockley	35.16	116	P	P	19 10 17.3 +2.3
T47A	Sharon Grove	35.18	98	eP	P	19 10 16.0 +0.9
T47A	Sharon Grove	35.18	98	P	P	19 10 15.6 +0.5
WVT	Waverly	35.31	100	P	P	19 10 17.0 +0.7
SADO	Sadowa	35.35	81	P	P	19 10 16.9 +0.3
SADO	Sadowa	35.35	81	P	P	19 10 12.8 -3.7
V46A	Holladay	35.36	101	P	P	19 10 17.2 +0.5
S48A	Wiedeman Farm,	35.37	96	P	P	19 10 17.5 +0.7
ALGO	Algonquin Park	35.37	79	P	P	19 10 12.2 -4.5
ALGO	Algonquin Park	35.37	79	P	P	19 10 18.0 +1.2
E53A	Dumoine, Ponti	35.38	78	P	P	19 10 18.2 +1.4
ACTO	Action	35.43	83	P	P	19 10 17.9 +0.7
U47A	Clarksville	35.43	99	P	P	19 10 18.0 +0.8
OXF	Oxford	35.48	104	eP	P	19 10 18.5 +0.8
OXF	Oxford	35.48	104	P	P	19 10 18.5 +0.8
OXF	Oxford	35.48	104	P	P	19 10 18.2 +0.5
T48A	Bowling Green	35.52	97	P	P	19 10 18.4 +0.3
E54A	Lac Daplat, Po	35.64	77	P	P	19 10 20.2 +1.2
V47A	Nunnely	35.70	100	P	P	19 10 20.1 +0.5
S49A	Springfield	35.75	96	P	P	19 10 20.5 +0.4
PKRO	Pickering	35.83	82	P	P	19 10 21.1 +0.5
PKRO	Pickering	35.83	82	P	P	19 10 21.2 +0.5
PLAL	Pickwick Lake	35.95	102	eP	P	19 10 22.3 +0.6
PEMO	Pembroke	36.00	79	P	P	19 10 22.2 +0.1
R50A	Paris	36.02	94	P	P	19 10 22.7 +0.4
342A	Flagon Creek P	36.05	110	eP	P	19 10 25.1 +2.5
342A	Flagon Creek P	36.05	110	P	P	19 10 24.1 +1.5
T49A	Edmonton	36.05	97	P	P	19 10 22.6 0.0
DRWO	Darlington Wes	36.09	82	P	P	19 10 24.2 +1.4
DRCO	St. Marys Ceme	36.10	82	P	P	19 10 24.1 +1.2
Q51A	Peebles	36.14	92	P	P	19 10 23.8 +0.4
V48A	Smith Brothers	36.18	100	P	P	19 10 23.8 +0.1
Y46A	H					

28d 19h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SUMG, NHSC, GGN, LMN, etc.

2012 OCT

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ISAL, Salakas, SGFM, ARU, etc.

1438

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like PTO, Porto, LFF, La Frestelle, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like TRPA Tarpa, GTA Gaotai, PBEJ Beja, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like PYUN Piuthan, KOLN Koldanda, CMMT Chiang Mai, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like KMNR Kamenistaya, KOZ Kozyrevsk, KPT Kopyto, etc.

28d 19h

Table with columns: Name, Time, Status, and other details. Includes entries like KLU Klutina, GLI Glacier Island, KRM Red Mountain, etc.

2012 OCT

Table with columns: TIN, DGMT, DGMT, JLU, GRAC, NLU, PABG, TOLK, CWC, VES, TPV, DAC, DAC, SMMC, FURC, ISA, ISA, ISA, MPMC, TMUT, PKM, P17A, ARVC, LRMC, SHOC, MTPU, RWW, SRU, SRU, OSI, EDW, GSC, LCMT, RSSD, RSSD, SCZ, O20A, O20A, TQO, KNB, KNB, KNB, BLG, RRR, DECC, MWC, MWC, PASC, HEC, BFSC, UNV, LDFC, BBRC, GMRC, PV09, PV21, U15A, N23A, N23A, PV23, MDND, PV10, ANM, ANM, PV22, PV20, PV19, CIS, PV17, PV11, PV18, PV12, PV03, PV05, PV13, PV02, NEE, W13A, MURC, BELC, PV01. Includes entries like Tinemaha, Dagmar, Jordanelle, Grapevine Rang, North Lily Min, Antelope Grade, Toolik Lake Re, Cottonwood Cre, Vestal, Richr, Topopah Spring, Darwin (Calif), Simms, Furnace Creek, Isabella, Lake, Manual Prospec, Trail Mountain, Mcpherson Peak, Butcher Ranch, Arvin, Laurel Mtn Rd, Shoshone, Teco, Mount Pierson, Rawlins, San Rafael Swe, San Rafael Swe, Osito Audit, Edwards Air Fo, Goldstone, Bar, Little Creek M, Black Hills, Black Hills, Pink Cliffs, Santa Cruz Isl, White River Ci, White River Ci, Turquoise Mount, Kanab, Kanab, Kanab, Laguna Peak, Edison Barstow, Green Verdugo, Mount Wilson, Mount Wilson, Pasadena Art C, Hecctor, Ludlow, Mount Baldy Ra, Unalaska Valle, Landfair, Big Bear, Granite Mounta, Paradox Valley, Parox Mtn., North Rim, Red Feather La, Red Feather La, Carpenter Ridg, Maddock, Paradox Valley, Paradox Valley, Lion Creek, Blue Mesa, Par, West Nyswonger, Morning Glory, Catina Islan, Nyswonger Mesa, Esau Wray Mesa, David Mesa, Skein Mesa, Sauer Basin, Paradox Valley, Needles Airpor, Hualapai Mount, Murrieta, Belle Mtn. Jos, Paradox Valley.

1442

Table with columns: SC12, SMCO, PFO, PFO, PFO, XPFO, TPFO, IRM, RDGO, FRD, ISCO, ISCO, ISCO, PDMC, BC3, 109C, CPE, FCC, FCC, FCC, WUAZ, WUAZ, MVCO, MVCO, Y12C, Y12C, MONP, BAR, ULM, ULM, ULM, ULM, ULM, SWSC, IKP, S22A, Q24A, Q24A, Y14A, GLA, GLA, GLA, GLA, X16A, AGMN, AGMN, OGNE, OGNE, W18A, W18A, SDCO, SDCO, S13A, GAMB, X18A, EPLO, KSCO, KSCO, T25A, T25A, 214A, SOLO, ECSD, ANMO, ANMO, ANMO, TUC, TUC, TUC, LAZ, BGNE, LENN, PKLO, LPM, SGM, ATKO, CBKS, EYMN, F37A, 121A, SPMN, E38A, E38A, 319A, F38A, TBO, RES, RES. Includes entries like San Clemente I, Snowmass, Pinyon Flats O, Pinyon Flats O, Pinyon Flats O, Pinon Flats, Pinon Flats, Iron Mountain, Red Dog Mine, Ford Ranch, Idaho Springs, Idaho Springs, Parker Dam, Lake, Big Chuckawall, Camp Elliot, Camp Elliot, Fort Churchill, Fort Churchill, Fort Churchill, Mesa Verde, Mesa Verde, Blythe, Blythe, Monument Peak, Lac du Bonnet, Lac du Bonnet, Lac du Bonnet, Lac du Bonnet, Sam W. Stewart, In-Ko-Pah, Jac, 4UR Ranch, Divide, Divide, Wickenburg, Glamis, Glamis, Glamis, Glamis, Lo Mia Camp, Agassiz Nation, Agassiz Nation, Ogallala, Ogallala, Petrified Fore, Petrified Fore, Great Sand Dun, Great Sand Dun, Mohawk Valley, Mohawk Valley, Gambell, Snowflake, Experimental L, Kaye Shedlock, Kaye Shedlock, Trinidad, Trinidad, Organ Pipe Nat, Organ Pipe Nat, Sioux Lookout, Sioux Lookout, EROS Data Cent, EROS Data Cent, Albuquerque, Albuquerque, Albuquerque, Tucson, Tucson, Tucson, Ladron, Belgrade, Lemitar, Pickle Lake, Los Pinos Moun, Barrett, Atkinson Iron, Cedar Bluff, Ely, Hinchirs Farm, Cookes Peak, Marine St, The Farm, Brul, Douglas, Pierce - Schro, Thunder Bay, Resolute Bay, The Farm, Brul.

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like RES Resolute Bay, ADK Adak, G39A Holcombe, etc.

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like P45A Graceland, SUNO Sudbury Onapin, BILL Bilibino, etc.

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like V52A Sevierville, V50A Sevierville, Y50A Piedmont, etc.

28d 19h

Table with columns for station name, frequency, power, and other technical details. Includes stations like VSR Storzhevoje, PCBR, VYHS Vyhne, etc.

2012 OCT

Table with columns for VTS, station name, frequency, power, and other technical details. Includes stations like Vitosh, Vitosh, Vitosh, etc.

1448

Table with columns for station name, frequency, power, and other technical details. Includes stations like H1N1 WAKE ISLAND, NB2 NORSAR, etc.

comp=Z,1.0m,0.8s,baz=343,slow=6.9,SNR=3.2
GERES GERES Array B 74.57 23 P 19 46 03.2 -0.1
comp=Z,0.4m,0.8s,baz=354,slow=4.9,SNR=3.4 P
MKAR Makanchi Array 76.51 337 P 19 46 16.3 +1.9
comp=Z,0.4m,0.8s,baz=20,slow=4.9,SNR=3.1

IDC 28 19:39:39.4,1.1,52.33N;132.51W,h0km,mb3.8/8,
mb1 3.9/14,mb1mx3.7/68,mbtmp3.8/14,ML3.2/6,Error
ellipse: s-maj=21.9km s-min=11.4km az=62.0
ISCJB 28 19:39:41.9,0.7,52.50N;132.2W;0.2,h18km,
mb3.8/9,Error ellipse: s-maj=16.1km s-min=7.0km
az=146.7

ISC 28 19:39:43.8,0.9,52.55N;132.2W;0.1,h18km,n19,
r1912/19,mb3.8/9,Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Rows include DAWSON INLET T, VAN INLET T-PH, Bella Bella, Deasse Lake, Yreka Blue Hory, Yellowknife Ar, Eielson Array, Inuvik, Mina Array Bea, Pinedale Array, Lac du Bonnet, Lajitas Array, Tukaleechee C, Petropavlovsk, NORSAR Array B, ZALV Zalesovo Beam, KURBB Kurchatov Arra, MKAR Makanchi Array, ESCD Sonseca Array.

IDC 28 19:41:20.8,0.9,52.15N;132.21W,h0km,mb4.0/8,
mb1 4.1/14,mb1mx3.8/68,mbtmp3.9/14,ML3.6/5,Error
ellipse: s-maj=26.7km s-min=13.3km az=61.0
ISCJB 28 19:41:22.6,0.7,52.27N;132.0W;0.2,h18km,
mb3.8/9,Error ellipse: s-maj=22.2km s-min=8.5km
az=149.6

ISC 28 19:41:24.4,0.9,52.32N;132.0W;0.2,h18km,n18,
r1511/15,mb4.0/8,Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Rows include Deasse Lake, Yreka Blue Hory, Yellowknife Ar, Eielson Array, Inuvik, Mina Array Bea, Pinedale Array, ANMO Albuquerque, TXAR Lajitas Array, SEY Seymour B, H1N2 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, ZALV Zalesovo Beam, KURBB Kurchatov Arra, GERES GERES Array B, MKAR Makanchi Array, LPAZ La Paz.

IDC 28 19:42:48.0,1.2,52.58N;132.72W,h0km,mb3.8/5,
mb1 4.0/9,mb1mx3.6/65,mbtmp3.7/9,ML3.5/3,Error
ellipse: s-maj=29.2km s-min=13.5km az=84.0
ISCJB 28 19:42:49.3,1.0,52.64N;132.7W;0.3,h18km,
mb3.7/5,Error ellipse: s-maj=24.4km s-min=9.4km
az=158.5

ISC 28 19:42:51.0,1.3,52.77N;132.6W;0.2,h18km,n13,
r1911/13,mb3.8/5,Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Rows include DAWSON INLET T, VAN INLET T-PH, Deasse Lake, Eielson Array, Inuvik, Mina Array Bea, Pinedale Array, TXAR Lajitas Array, NB2 NORSAR Subarra, NORSAR Array B, ZALV Zalesovo Beam, KURBB Kurchatov Arra, GERES GERES Array B, MKAR Makanchi Array.

ISCJB 28 19:45:33.0,0.4,52.58N;132.72W,h0km,mb3.9/9,
mb1 4.1/23,mb1mx3.6/69,mbtmp3.9/28,ML3.4/7,MS4.5/1,
MS1 4.5/1,ms1mx3.6/43,Error ellipse: s-maj=9.3km
s-min=6.7km az=96.0

ISC 28 19:45:34.9,0.6,52.55N;132.72W;0.08,h10km,n63,
r175/53,mb4.2/32,3C-SD,Queen Charlotte Islands
region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Rows include DAWSON INLET T, H2O2S, H2O2N1, VAN INLET T-PH, H2O2N1, Bella Bella, BBB.

38m,0.3s,baz=22,slow=19,SNR=3.0
DLBC Dease Lake 6.01 14 Pn 19 47 05.5 +1.7
1.9m,0.3s,baz=201,slow=11,SNR=6.5 P
DLBC 0.4m,0.3s,baz=199,slow=18,SNR=2.2 Lg 19 48 12.6 -0.1

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Rows include DLBC, NEW Newport, KDAD Kodiak Island, YBHA Yreka Blue Hory, YKA Yellowknife Ar, ILAR Eielson Array, INK Inuvik, NVAR Mina Array Bea, PDAR Pinedale Array, ULM Lac du Bonnet, TXAR Lajitas Array, TKL Tukaleechee C, SEY Seymour B, PETK Petropavlovsk, TIXI Tiksi, H1N2 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, USRK Ussuriysk Arr, MJAR Matsushiro Arr, NB2 NORSAR Subarra, NOA NORSAR Array B, SOMN Songoing Array, BVAR Bering Sea Array, BRG Berggiesshobel, KURBB Kurchatov Arra, DPC Dobruska-Polm, KHC Kasperske Hory, MORC Moravsky Berou, MORV Moravsky Berou, GERES GERES Array B, VRAC Vranov, KRUC Kruc, RETA Reta, MOTA Moosalm, JAVC Velka Javorina, WATA Walderalm, SQTA Sankt Quirin, AKASE Malin Array B, FETA Feichten, WTTA Wattenberg, MOA Mollin, MODS Modra-Piesok, CONA Conrad Observa, MKAR Makanchi Array, ABTA Abtaltersbach, ARBA Arzberg, SOKA Soboth, OBKA Obi, ESCD Sonseca Array, BURAR Bucoovina Array, DRGR Bicz, BIZ Bicz, BZS Buzias, MDVZ Muzovia, CFR Caracul, BRR Keskin Array B, LPAZ La Paz, CMAR Chiang Mai Arr.

ISCJB 28 19:45:45.1,1.0,15.7S;0.1x74.7W;0.1,h54km,mb3.6/3,
Error ellipse: s-maj=20.7km s-min=15.5km az=147.5
ISC 28 19:45:48.4,2.8,15.66S;74.59W,h74km,27km,mb3.5/4,
mb1 3.7/6,mb1mx3.4/43,mbtmp3.9/6,Error ellipse:
s-maj=30.2km s-min=23.8km az=109.0
ISC 28 19:45:46.9,1.0,15.7S;0.1x74.7W;0.1,h54km,n10,
r178/7,mb3.5/3,Near Coast of Peru

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Rows include NNA Nana, NNA, LPAZ La Paz, PTGA Pitanga, PLCA Paso Flores, TORD Torodi Arr, Vnda Vnda, H1S2 WAKE ISLAND Hy, H1S1 WAKE ISLAND Hy, H1S3 WAKE ISLAND Hy, WRA Warramunga Arr.

IDC 28 19:48:20.1,0.7,52.53N;132.56W,h0km,mb4.0/14,
mb1 4.2/20,mb1mx3.9/63,mbtmp4.0/20,ML3.6/3,MS4.8/1,
MS1 4.8/1,ms1mx3.5/45,Error ellipse: s-maj=12.1km
s-min=6.5km az=71.0
ISCJB 28 19:48:21.6,0.6,52.59N;132.5W;0.2,h18km,
mb3.9/14,MS4.8/1,Error ellipse: s-maj=15.9km
s-min=7.1km az=72.0
ISC 28 19:48:23.2,0.8,52.62N;132.5W;0.1,h18km,n27,
r091/24,mb4.0/14,Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Rows include H2O2S1, VAN INLET T-PH, DLBC Dease Lake, BBB Bella Bella, DLBC Dease Lake, YBHA Yreka Blue Hory, ILAR Eielson Array, NVAR Mina Array Bea, PDAR Pinedale Array, ULM Lac du Bonnet, TXAR Lajitas Array, TKL Tukaleechee C, PETK Petropavlovsk, TIXI Tiksi, H1N2 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, NB2 NORSAR Subarra, ZALV Zalesovo Beam, KURBB Kurchatov Arra, NOA NORSAR Array B, MKAR Makanchi Array, ESCD Sonseca Array, DPC Dobruska-Polm, GERES GERES Array B, AKASE Malin Array B, MKAR Makanchi Array, ESCD Sonseca Array, PTGA Pitanga, BRTR Keskin Array B, LPAZ La Paz, CMAR Chiang Mai Arr.

IDC 28 19:59:45.1,2.7,52.34N;131.66W,h0km,mb3.4/1,
mb1 3.8/5,mb1mx3.4/38,mbtmp3.4/5,ML4.0/3,Error
ellipse: s-maj=23.1km s-min=13.5km az=33.0,Queen
Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Rows include DAWSON INLET T, H2O2S, H2O2N1, VAN INLET T-PH, H2O2N1, Bella Bella, BBB, DLBC Dease Lake, ILAR Eielson Array, NVAR Mina Array Bea, PDAR Pinedale Array, TXAR Lajitas Array.

H2O2S1 VAN INLET T-PH 0.64 356 Pg Lg 19 48 34.3 -1.6
H2O2N1 SNR=203 Lg 19 48 43.4
BBB baz=284,slow=16,SNR=0.9 Lg 19 49 05.2 -0.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Rows include BBB, DLBC Dease Lake, YBHA Yreka Blue Hory, ILAR Eielson Array, NVAR Mina Array Bea, PDAR Pinedale Array, ULM Lac du Bonnet, TXAR Lajitas Array, TKL Tukaleechee C, PETK Petropavlovsk, H1N2 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, NB2 NORSAR Subarra, NOA NORSAR Array B, ZALV Zalesovo Beam, KURBB Kurchatov Arra, DPC Dobruska-Polm, GERES GERES Array B, AKASE Malin Array B, MKAR Makanchi Array, ESCD Sonseca Array, PTGA Pitanga, BRTR Keskin Array B, LPAZ La Paz.

IDC 28 19:49:46.5,4.4,19.03S;168.81E,h164km,38km,mb3.6/5,
mb1 3.8/6,mb1mx3.4/43,mbtmp4.1/6,Error ellipse:
s-maj=64.9km s-min=39.6km az=139.0
ISC 28 19:49:45.3,2.9,18.8S;102.1687E;0.5,h147km,n7,
r098/8,mb3.7/5,Vanuatu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Rows include DZM Mont Dzumac, STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, SOMN Songoing Array, GERES GERES Array B, DZM Mont Dzumac, STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, SOMN Songoing Array, GERES GERES Array B.

IDC 28 19:54:53.4,1.9,52.42N;132.23W,h0km,mb3.5/3,
mb1 3.8/5,mb1mx3.4/42,mbtmp3.4/5,ML3.6/2,Error
ellipse: s-maj=50.5km s-min=14.6km az=68.0
ISCJB 28 19:54:54.9,1.7,52.3N;132.1W;0.4,h18km,mb3.3/3,
Error ellipse: s-maj=43.4km s-min=11.0km az=149.1
ISC 28 19:54:56.4,1.6,52.44N;132.2W;0.3,h18km,n11,
r1920/8,mb3.3/3,Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Rows include H2O2S1, VAN INLET T-PH, DLBC Dease Lake, ILAR Eielson Array, NVAR Mina Array Bea, PDAR Pinedale Array, TXAR Lajitas Array, H1N2 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, GERES GERES Array B, MKAR Makanchi Array.

IDC 28 19:57:53.6,1.8,52.34N;131.66W,h0km,mb3.5/1,
mb1 3.8/5,mb1mx3.4/38,mbtmp3.4/5,ML3.4/3,Error
ellipse: s-maj=23.1km s-min=13.5km az=33.0,Queen
Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Rows include BBB Bella Bella, DLBC Dease Lake, ILAR Eielson Array, NVAR Mina Array Bea, PDAR Pinedale Array, TXAR Lajitas Array.

IDC 28 19:59:45.1,2.7,52.34N;131.66W,h0km,mb3.4/1,
mb1 3.8/5,mb1mx3.4/38,mbtmp3.4/5,ML4.0/3,Error
ellipse: s-maj=23.1km s-min=13.5km az=33.0,Queen
Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Rows include DLBC Dease Lake, ILAR Eielson Array, NVAR Mina Array Bea, PDAR Pinedale Array, TXAR Lajitas Array.

28d 20h

az=144.9
IDC 28.20:02:41.2.0.5.52:31N:132:28'W,h0km,mb4.3/23,
mb1.4/31,mb1mx4.4/2,mbtmp4.2/31,ML3.9/8,Error
ellipse: s-maj=8.3km s-min=5.5km az=46.0
PGC 28.20:02:42.5.4.6.52:30N:132:18'W,h32km,1km,mb4.6,
ML5.2,ML4.3/19,108km Ssw of Sandspit, Bc Haida Gwaii
Region
NEIC 28.20:02:43.3.0.3.52:34N:132:18'W,h10km,mb4.6/24,
ML5.2(OT),Error ellipse: s-maj=9.2km s-min=3.0km
az=49.0
MOS 28.20:02:43.1.1.5.52:37N:132:16'W,h21km,mb4.9/22,
Error ellipse: s-maj=14.0km s-min=5.5km az=11.5
ISC 28.20:02:42.7.0.8.52:31N:132:11'W,0.03,h11km,4km,
n365,r1992/370,mb4.6/59,5C-6D,Queen Charlotte
Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various seismic stations like Barry Inlet, Moresby Island, Dawson Inlet, etc.

2012 OCT

Table with columns: N02D, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic events with station codes like MOD, EGAK, WWOR, etc.

1450

Table with columns: PDMCI, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic events with station codes like BC3, WUAZ, MVCO, etc.

Table with columns: ILAR, PDAR, TXAR, H1N2, H1N3, H1N1, H1S1, H1S2, H1S3. Includes station names, coordinates, and times.

ISCJBJB 21:29:03.9.0.2,52.31N,0.03.131.89W,0.05,h10km, mb4.7/105,MS4.5/2,Error ellipse: s-maj=5.6km s-min=2.4km az=144.9

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists various stations like Dawson Inlet, Bella Bella, etc.

Table with columns: HLID, MCMT, ORV, EGMT, EGMT, BEKR, COLA, COLA, TCOL, BOZ, POKR, BPAW, PAHR, AFDM, QLMT, VCNR, BMN, BMN, BMN, PNTR, MLY, YHH, INK, INK, YERR, YPP, H17A, H17A, IMW, FLWY, WAKR, KVN, KVN, KVN, FWXY, CMB, CMB, MOOW, RLMT, RLMT, RLMT, TPWA, RYN, RYN, NV01, NVAR, NVAR, BGU, SPUT, MDPB, MDPB, IM3, HWUT, LAO, LAO, BW06, BW06, PD31, PDAR, PFC, PFC, FFC, DUG, DUG, DUG, TCUT, PMPB, DGMT, R11A, R11A, TIN, TOLK, TOLK, NLU, GRAC, MPU, PSUT, CWC, VES, VES, TPNV, TPNV, TPNV, DAC, DAC, DAC, ISA, MPMC, TMUT. Includes station names, coordinates, and times.

Table with columns: P17A, PKM, MSU, MSU, MSU, K22A, P18A, LRMC, SHPR, SZCU, MTPU, EDWZ, GSC, LCMT, RSSD, RSSD, RSSD, RSSD, O20A, KNB, KNB, TUQ, BLG, HEC, BFSC, LDFC, PV09, GMRC, N23A, N23A, PV21, MDND, MDND, U15A, PV23, PV10, PV14, PV20, PV19, PV11, PV18, PV12, PV03, PV05, PV13, PV02, BELC, SC12, SMCO, PFO, PFO, PFO, IRM, ISCO, ISCO, PDMCI, BC3, 109C, CPE, WUAZ, WUAZ, MVCO, MVCO, Y12C, ULM, ULM, ULM, ULM, MONP, BAR, SWSC, IKP, S22A, S22A, Q24A, Q24A, Y14A, GLA, X16A, AGMN, AGMN, OGNE. Includes station names, coordinates, and times.

28d 21h

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like OGNE Ogallala, W18A Petrified Fore, SDCO Great Sand Dun, etc.

2012 OCT

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like 833A Chaparral WMA, LSQO Label-sur-Quev, P48A Milroy, etc.

1454

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like OTAV Otavalo, KNGR Kungurug, NVS Novosibirsk, etc.

NEIC 28 21:38:20.9-1.4, 52:65N; 132:41W, h14km, 9km, mb4, 4/23, MW4, 7(OTT), Error ellipse: s-maj=9.9km, s-min=3.3km

Table with columns: Code, Station Name, Az, El, Op, P, Time, Res. Includes stations like H02N1 Van Inlet, MOBC Moresby Island, BNS Barry Inlet, etc.

Table with columns: Code, Station Name, Az, El, Op, P, Time, Res. Includes stations like IM3 Indian Mountain, CMB Columbia Cole, NLAR Mina Array B, etc.

Table with columns: Code, Station Name, Az, El, Op, P, Time, Res. Includes stations like KSH comp=Z,280nm,11.6s, BRTR Keskin Array B, etc.

IDC 28 21:47:37.91.1, 5.276N, 132.64W, h0km, mb3.9/7, mb1.39/12, mb1mx3.7/37, mbmp3.7/12, ML3.3/5, Error ellipse: s-maj=23.8km, s-min=10.5km, az=33.0

Table with columns: Code, Station Name, Az, El, Op, P, Time, Res. Includes stations like BBH Bella Bella, BBB Bella Bella, BBH Bella Bella, etc.

KRSC 28 21:50:26.10.7, 55.011N, 161.388E, h58km, 9km, ML3.7, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, El, Op, P, Time, Res. Includes stations like Code Station Name, Mys Kozlova, TUMD Tumrok D, etc.

ISCBJ 28 21:57:32.91.2, 52.82N, 0.2132E, h10km, mb3.4/1, Error ellipse: s-maj=37.9km, s-min=9.6km, az=147.5

Table with columns: Code, Station Name, Az, El, Op, P, Time, Res. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

WEL 28 22:04:06.6, 40.3S, 170.176E, h62km, 2km, ML3.6/32, North Island

Table with columns: Code, Station Name, Az, El, Op, P, Time, Res. Includes stations like POWZ Post Office Ro, OHWZ Ohakea, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OGWZ Otaki Gorge, BFZ Birch Farm, PNHZ Pukenui, etc.

ISC 28 22:12:52.7-0.9, 55.05N:157.68W, h0km, mb3.9/13, mb1.4/2.16, mb1mx3.9/4.5, mbtmp3.9/16, ML3.3/7, Error ellipse: s-maj=21.6km s-min=16.1km az=177.0

NEIC 28 22:12:55.2-0.0, 54.95N:157.25W, h10km, ML3.7(AEIC), After AEIC.

ISC 28 22:12:55.9-1.5, 55.15N:107.15737W, h20km, 5km, n47, c11N1/54, mb4.0/13, Alaska Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CHGN Chignik, VNSG Veniaminof 2, VNF6 Veniaminof 6, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MSW Makushin Swite, BRKL Bradley Lake, RDBW Redoubt West, etc.

ISC 28 22:14:52.9-1.5, 52.16N:131.62W, h0km, mb3.4/2, mb1.3/6.5, mb1mx3.4/33, mbtmp3.3/5, ML3.3/3, MS3.7/1, Ms1.3.8/1, ms1mx3.0/29, Error ellipse: s-maj=30.6km s-min=11.3km az=44.0

ISC 28 22:14:55.1-1.1, 52.53N:102.1311W, h10km, n7, c092R2, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H02N1 VAN INLET T-PH, H02N2 Bella Bella, BBB Bella Bella, etc.

ISC 28 22:17:06.8-1.7, 61.197N:150.22W, h46km, 19km, mb3.4/6, mb1.3/7.9, mb1mx3.4/37, mbtmp3.6/8, ML3.3/3, Error ellipse: s-maj=19.3km s-min=14.5km az=101.0

ISCJB 28 22:17:07.1-0.2, 62.00N:072.149.96W, h4.0, h66km, km, mb3.5/6, Error ellipse: s-maj=3.4km s-min=3.4km az=2.4

NEIC 28 22:17:08.9-0.0, 61.199N:149.96W, h43km, ML3.6(AEIC), After AEIC.

NEIC Fell at Eagle River, Talkeetna and Willow. ISC 28 22:17:08.0-0.8, 61.999N:073.149.97W, h0.03, h54km, 8km, n81, c08R0/96, mb3.6/7, Southern Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GHO Glory Hole Cre, GHO GHO, PMR Palmer, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KDAK base=150, slow=20, SNR=2.3, YUK3 Moose Creek, EGAK Eagle Creek, etc.

ISCJB 28 22:35:39.8-0.5, 51.83N:074.1312W, h0.1, h18km, mb4.0/9, MS3.8/2, Error ellipse: s-maj=9.9km s-min=4.1km az=156.0

ISC 28 22:35:39.1-1.6, 51.76N:131.22W, h0km, mb3.4/1, mb1.4/0.7, mb1mx3.6/46, mbtmp3.6/7, ML3.5/6, MS3.8/3, Ms1.3.8/3, ms1mx3.2/26, Error ellipse: s-maj=21.1km s-min=11.3km az=62.0

NEIC 28 22:35:41.4-0.5, 51.92N:130.93W, h10km, mb4.0/25, Error ellipse: s-maj=15.1km s-min=4.3km az=56.0

ISC 28 22:35:41.1-0.9, 51.79N:077.13123W, h0.09, h18km, n59, c08R0/95, mb4.2/9, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BBB Bella Bella, CRAG Craig, WRAK Wrangell Island, DLBC Dease Lake, etc.

28d 22h

Table with columns: SHPR, Sheep Range, 19.75 136 eP, Pn, 22 45 59.2 +0.6, etc. Lists various stations and their associated data.

2012 OCT

Table with columns: S22A, 4UR Ranch, Cre, 22.79 120 eP, P, 22 46 31.2 +1.0, etc. Lists various stations and their associated data.

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Table with columns: BILL, 22 50 49.3, i, pmax, MLR, etc. Lists various stations and their associated data.

28d 23h

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Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MCMST, ORV, EGMT, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like U15A, PV23, PV10, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like H11N3, H11N1, H11S1, etc.

0.9nm,0.7s,baz=303,slow=6.2,SNR=3.4
BOSA 460ft 150.88 44 PKPbc PKPbc 23 24 28.3 -0.8

IDC 23-25:50.8,78.0,4.110S,178.50W,h0km,mb3.9/3,
mb1.4/1.3,mb1mx3.6/4.0,mbtmp3.9/3,MS4.5/1,MS1.4/5.1,
ms1mx3.1/3.5,Error ellipse: s-maj=1435.0km
s-min=183.4km az=74.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include RAO Raoul Island, STKA Stephens Creek, WRA Warramunga Ar, ASAR Alice Springs.

BUI 23-26:45.6,52.70N,132.40W,h10km,mb4.8/33,
mB5,1/22,Ms0.0/5,Ms7.4/8/5

IDC 23-26:47.8,0.4,5.2:60N:132.73W,h0km,mb4.6/38,
mb1.4/6.4,mb1mx3.6/6.9,mbtmp4.5/4.8,ML3.6/9,MS4.0/4,
MS1.4/1.4,ms1mx3.5/2.8,Error ellipse: s-maj=9.0km
s-min=0.9km az=52.8

PGC 23-26:48.8,9.8,5.2:60N:132.59W,h26km,1km,mb4.9,
ML4.6/11,Mw4.7,8.9km southwest of Sandspit, Bc Haida
Gwaii Region

MOS 23-26:48.9,0.9,5.2:68N:132.54W,h14km,mb5.2/75,
Error ellipse: s-maj=7.6km s-min=3.6km az=102.1
ISCJBJ 23-26:49.8,0.4,5.2:70N:0.02:132.48W,0.0/3,h20km,3km,
mb4.9/244,MS4.3/1,Error ellipse: s-maj=3.9km
s-min=1.6km az=141.7

NEIC 23-26:50.5,0.1,5.2:73N:132.46W,h10km,mb4.9/234,
MW4.7(OTT),Error ellipse: s-maj=3.2km s-min=1.1km

GCMT 23-26:54.5,0.4,5.2:45N:102.43:44W,0.06,h156km,1km,
MW5.0/65, Moment Tensor Solution. s13.c15: s15.c85;
Duration: 0 Moment tensor: Scale 10^16Nm; M1r-3.53; 35;
Mw1.57; 21; Mw1.96; 20; Mw-0.01; 43; Mw-1.61; 12;
Mw-0.76; 40; Best double couple: Mc3.53900x10^16
NP1=326.00000, s50.00000, lambda-80.00000. NP2:
0s131.00000, s41.00000, lambda-102.00000. Principal axes:
T 3.4330, P1g5.0000, Azm49.0000; N 0.2130,
P1g8.0000, Azm140.0000; P -3.6450, P1g81.0000,
Azm288.0000; nstai refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function.

ISC 23-26:50.5,0.1,5.2:62N:104.132:54W,0.0/4,h15km,3km,
n931,r107/935,mb5.0/258,34C-20D, Queen Charlotte
Islands region

Main table for the left column containing station data for various regions like Fiji Islands, Haida Gwaii, Queen Charlotte Islands, etc.

Main table for the middle column containing station data for various regions like Fiji Islands, Haida Gwaii, Queen Charlotte Islands, etc.

Main table for the right column containing station data for various regions like Fiji Islands, Haida Gwaii, Queen Charlotte Islands, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like RSSD Black Hills, LCMT Little Creek M, PKCU Pink Creek, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like X16A comp=Z,11nm,1.1s, OGNE Ogallala, OGNE Ogallala, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like TX31 Lajitas Array, TXAR Lajitas Array, TXAR Lajitas Array, etc.

28d 23h

Table with columns: SUW, Suwalki, 71.79, 15 eP, P, 23 38 11.9 +0.1, etc. Lists various stations and their coordinates and frequencies.

2015 OCT

Table with columns: SQTA, Sankt Quirin, 75.79, 25 i pP, P, 23 38 36.2 +0.6, etc. Lists various stations and their coordinates and frequencies.

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Table with columns: ARR, Arges, 80.41, 16 i pP, P, 23 39 01.9 +0.8, etc. Lists various stations and their coordinates and frequencies.

SPLB	Strathcona Par	4.60 123	Pn	Pn	23 32 52.2 +0.1
SPLB			Sn	Sn	23 33 45.0 -0.5
CBB	Campbell River	4.67 120	Pn	Pn	23 32 52.9 -0.1
CBB			Sn	Sn	23 33 45.8 -1.2
FSB	Fort Saint Jam	4.75 63	Pn	Pn	23 32 54.1 0.0
MWAB	Mount Washington	5.33 122	Sn	Sn	23 32 57.7 +0.4
BTB	Buttle Lake	4.94 127	Pn	Pn	23 32 54.7 -2.2
SIT	Sitka	4.98 336	ePn	Pn	23 32 57.1 -0.2
TXB	Texada	5.35 120	Pn	Pn	23 33 01.7 -0.7
MGB	Mount Grey	5.65 126	Pn	Pn	23 33 07.8 +1.1
SHB	Sechart	5.71 118	Pn	Pn	23 33 07.3 -0.1
NLB	Nanaimo Lost L	5.87 122	Sn	Sn	23 33 19.2 -2.2
YOB	Youyou, Lake C	5.94 125	Pn	Pn	23 33 11.6 +1.2
DLBC	Dease Lake	5.95 8	Pn	Pn	23 33 12.8 +2.2
DLBC	2.9nm, 0.3s, baz=194, slow=4.9, SNR=26		Sn	Sn	23 34 22.8 +4.1
DLBC	6.2nm, 0.3s, baz=171, slow=26, SNR=2.0		Lg	Lg	23 34 46.8
DLBC	Dease Lake	5.95 8	ePn	Pn	23 33 08.9 -1.7
DLBC			Sn	Sn	23 34 22.8 +4.1
DLBC	Dease Lake	5.95 8	Pn	Pn	23 33 12.5 +1.9
DLBC			Sg	Sg	23 34 46.8 -6.7
PFB	Port Renfrew	6.07 128	Pn	Pn	23 33 11.6 -0.7
LZB	Mount Lazard	6.35 126	Pn	Pn	23 33 18.0 +1.9
B010	North Saanich	6.51 124	Sn	Sn	23 34 32.7 +0.4
PGC	Sidney	6.51 124	Pn	Pn	23 33 20.7 +2.5
BMCB	Bull Mountain	6.55 54	Sn	Sn	23 33 20.4 +1.6
BMCB			Sn	Sn	23 34 34.5 +1.1
MCW	Mount Constitu	6.81 121	Pn	Pn	23 33 24.4 +2.0
VDB	Vedder Mountain	6.99 117	Pn	Pn	23 33 25.1 +1.7
BLN	Blyn Mountain	7.17 126	Pn	Pn	23 33 29.1 +1.7
MSW	Mount Saver	7.24 118	Pn	Pn	23 33 30.4 +1.9
HDW	Hoodsport	7.38 128	Pn	Pn	23 33 32.2 +1.9
GNW	Green Mountain	7.55 128	Pn	Pn	23 33 34.0 +1.4
JCW	Jim Creek	7.58 121	Pn	Pn	23 33 34.5 +1.6
FNBB	Fort Nelson	7.97 34	Pn	Pn	23 33 39.7 +1.3
FNBB			Sn	Sn	23 35 07.1 +1.0
SLEB	Sale Mountain	8.46 94	Sn	Sn	23 33 47.7 +2.5
FMW	Mount Fremont	8.55 127	Pn	Pn	23 33 48.5 +2.0
LTY	Liberty	8.83 123	Pn	Pn	23 33 52.2 +2.0
HYT	Haines Junctio	8.88 341	Pn	Pn	23 33 49.3 -1.6
NEW	Newport	10.20 109	Lg	Lg	23 37 09.6
YKA	Yellowknife Ar	13.45 36	Pn	Pn	23 34 53.3 +0.1
BPAW	Bear Paw Mtn.	15.31 327	ePn	Pn	23 35 19.9 +1.5
QLMT	Earthquake Lak	15.37 112	ePn	P	23 35 22.3 -2.0
YHH	Holmes Hill	15.73 111	ePn	P	23 35 24.7 +0.4
INK	Inuvik	15.82 357	Pn	P	23 35 26.9 -1.9
INK	0.1nm, 0.3s, baz=118, slow=30, SNR=3.4		Sn	Sn	23 38 14.6 -5.2
GCMT	Greycliff	15.83 107	ePn	P	23 35 28.8 -0.5
FXWY	Fox Creek	16.35 115	ePn	P	23 35 35.5 +0.4
MOOW	Moose Ponds	16.43 114	ePn	P	23 35 37.5 +1.5
REDW	Red Top Meadow	16.62 115	ePn	P	23 35 39.3 +1.1
NVAR	Mina Array Bea	16.90 142	Pn	P	23 35 43.6 +2.4
IM3	Indian Mountain	17.42 329	ePn	P	23 35 46.6 +0.1
BW06	Boulder Array	17.73 115	ePn	P	23 35 53.3 +3.0
PD31	Pinedale Array	17.73 115	ePn	P	23 35 53.2 +2.8
PDAR	Pinedale Array	17.73 115	P	P	23 35 50.8 +0.4
PDAR	Pinedale Array	17.73 115	ePn	P	23 35 54.7 +4.4
O20A	White River Cr	20.26 119	ePn	Pn	23 38 23.2 +3.2
ULM	Lac du Bonnet	22.27 82	P	P	23 36 41.6 +2.1
TX31	4.3nm, 0.9s, baz=274, slow=11, SNR=3.3		P	P	23 38 01.7 +1.4
LTX	Lajitas Ar. Si	31.03 127	ePn	P	23 38 01.5 +1.2
TXAR	Lajitas Array	31.03 127	P	P	23 38 01.5 +1.2
H112	WAKE ISLAND Hy 57.30 260		T	00 43 29.2	
H113	WAKE ISLAND Hy 57.30 260		T	00 43 27.7	
H111	WAKE ISLAND Hy 57.32 260		T	00 43 30.3	
H1151	WAKE ISLAND Hy 58.15 259		T	00 44 51.0	
H1152	WAKE ISLAND Hy 58.37 259		T	00 44 50.6	
H1153	WAKE ISLAND Hy 58.38 259		T	00 44 53.4	
GERES	GERES Array B	74.74 23	P	P	23 43 22.4 +0.2
BOSA	Bosohf	150.56 45	PKPbc	PKPbc	23 51 33.2 -1.0

BBL	Bella Bella	2.43 98	Lg	Lg	23 35 40.3 +0.1
BBL			Lg	Lg	23 35 47.2
BBB	Bella Bella	2.43 98	Lg	Lg	23 35 01.7 -2.9
BBB			Sn	Sn	23 35 09.0 -0.2
BBB			Sn	Sn	23 35 33.6 -1.6
CRAG	Craig	2.94 350	ePn	Pn	23 35 13.6 -2.3
PHC	Port Hardy	3.52 121	Pn	Pn	23 35 13.9 -4.1
PACB	Port Alice, BC	3.65 124	Pn	Pn	23 35 16.6 -3.2
MAYB	Maynard	3.83 123	Pn	Pn	23 35 19.4 -3.1
WRAK	Wrangell Islan	3.84 359	ePn	Pn	23 35 23.2 +0.8
TLBC	Telegraph Cove	3.93 119	Pn	Pn	23 35 21.3 -2.3
DEB	Dease Dome	4.43 326	Pn	Pn	23 35 13.6 -2.3
WOSB	Woss	4.29 122	Pn	Pn	23 35 24.9 -3.8
NCRB	Newcastle Ridg	4.42 117	Pn	Pn	23 35 27.1 -3.5
GDB	Gold River	4.79 123	Pn	Pn	23 35 32.8 -2.7
SIT	Sitka	4.83 339	ePn	Pn	23 35 35.8 -0.1
SIT	Sitka	4.83 339	ePn	Pn	23 35 35.8 -0.1
SPLB	Strathcona Par	4.92 121	Pn	Pn	23 35 36.0 -1.3
URBR	Upper Baezaeko	4.95 83	Pn	Pn	23 35 35.6 -2.1
CBB	Campbell River	5.00 118	Pn	Pn	23 35 36.9 -1.5
FSB	Fort Saint Jam	5.06 65	Pn	Pn	23 35 37.3 -2.0
TXB	Texada	5.68 118	Pn	Pn	23 35 45.7 -2.1
DLBC	Dease Lake	5.99 11	Lg	Lg	23 37 38.4
DHAK	Deception Hill	7.34 335	ePn	Pn	23 36 11.4 +0.9
NLWA	Neilton Lookou	7.48 131	ePn	Pn	23 36 13.6 +1.1
D05A	Enumclaw	8.53 125	ePn	Pn	23 36 20.0 -0.8
PCN	Pinnacle	8.75 333	ePn	Pn	23 36 33.1 -1.2
LOH	Longmie	8.92 127	ePn	Pn	23 36 35.5 +1.4
LN	Longmie	8.92 127	ePn	Pn	23 36 36.3 +1.4
LT	Liberty	9.15 121	ePn	Pn	23 36 37.0 +1.6
B08A	Colville Reser	9.23 112	ePn	Pn	23 36 34.9 -1.6
G03D	McMillinnville, O	9.44 138	P	P	23 36 40.2 +0.9
COR	Corvallis	9.94 140	ePn	Pn	23 36 43.8 -2.3
COR	Corvallis	9.94 140	ePn	Pn	23 36 43.8 -2.3
H04D	Lebanon	10.22 138	P	P	23 36 52.0 +2.1
G05D	Wanica OR	10.26 131	P	P	23 36 54.7 +4.1
H04M	Detroit Lake	10.31 136	ePn	Pn	23 36 52.4 +1.1
RAGM	Ragged Mountai	10.40 324	ePn	Pn	23 36 52.5 0.0
NEW	Newport	10.55 108	Lg	Lg	23 36 55.7 +1.2
NEW	0.2nm, 0.3s, baz=356, slow=16, SNR=4.1		Lg	Lg	23 39 59.9
I03D	Drain, OR	10.68 143	P	P	23 36 58.1 +1.9
BMRM	Bremner River	10.79 326	ePn	Pn	23 36 57.3 -0.4
EYAK	Cordova Ski Ar	10.91 322	ePn	Pn	23 37 00.2 +0.9
I04A	Tendick Farm,	10.95 140	P	P	23 37 01.7 +1.7
E08A	Wood Farm, Sta	10.96 118	ePn	Pn	23 37 00.7 +0.6
KEBM	Edson Butte	11.07 148	ePn	Pn	23 37 03.2 +1.6
DIV	Divide	11.31 324	ePn	Pn	23 37 05.8 +0.9
FID	Port Fidalgo	11.31 322	ePn	Pn	23 37 05.5 +0.6
G08A	Pilot Rock	11.36 125	ePn	Pn	23 37 06.9 +1.2
K02D	Willamette Mer	11.44 147	P	P	23 37 08.3 +1.5
J04D	Umpqua Nationa	11.54 140	P	P	23 37 10.9 +2.7
PINE	Pine Mountain	11.56 135	ePn	Pn	23 37 10.8 +2.3
KLU	Klamath Falls	12.07 329	ePn	Pn	23 37 09.2 +0.2
GLI	Glacier Island	11.63 321	ePn	Pn	23 37 09.0 -0.1
KBO	Bosley Butte	11.70 149	ePn	Pn	23 37 10.5 +0.3
HUMO	Hull Mountain	11.77 144	ePn	Pn	23 37 13.2 +2.0
F10A	Beach Ranch, E	11.80 118	ePn	Pn	23 37 13.2 +1.5
J05E	Fort Rock, OR	11.85 137	P	P	23 37 14.8 +2.3
L02D	Case Junction	11.95 147	P	P	23 37 15.5 +1.9
I07A	Izeze	11.98 130	ePn	Pn	23 37 15.7 +1.5
HARF	Harp	12.03 330	ePn	Pn	23 37 16.7 +2.1
K04D	Chiloquin, OR	12.20 141	P	P	23 37 19.0 +1.8
SCM	Sheep Creek Mo	12.33 325	ePn	Pn	23 37 18.9 0.0
SCM	Sheep Creek Mo	12.33 325	ePn	Pn	23 37 18.9 0.0
L04D	Klamath Falls	12.34 143	P	P	23 37 21.4 +2.2
RMBD	Red Mountain	12.42 150	ePn	Pn	23 37 20.4 +0.2
K05A	Summer Lake	12.46 138	ePn	Pn	23 37 22.6 +1.9
JTMT	Jette	12.46 106	ePn	Pn	23 37 23.1 +2.3
BMO	Blue Mountains	12.50 122	ePn	Pn	23 37 22.7 +1.4
BMO	Blue Mountains	12.50 122	ePn	Pn	23 37 22.7 +1.4
PAX	Paxson	12.55 331	ePn	Pn	23 37 23.3 +1.5
BRLK	Bradley Lake	12.61 312	ePn	Pn	23 37 22.6 0.0
YBH	Yreka Blue Hor	12.62 146	Pn	Pn	23 37 24.5 +1.5
YBH	Yreka Blue Hor	12.62 146	Pn	Pn	23 37 25.1 +2.1
YBH	Yreka Blue Hor	12.62 146	Pn	Pn	23 37 25.1 +2.1
SML	Sawmill	12.68 323	ePn	Pn	23 37 23.7 +0.2
SML	Sawmill	12.68 323	ePn	Pn	23 37 23.7 +0.2
KDAD	Kodiak Island	12.73 302	LR	LR	23 41 09.6
RC01	Rabbit Creek A	12.79 319	ePn	Pn	23 37 24.5 -0.5
PMR	Palmer	12.84 321	ePn	Pn	23 37 25.4 -0.2
PMR	Palmer	12.84 321	ePn	Pn	23 37 25.5 -0.2
M02C	Callahan	12.88 147	P	P	23 37 28.0 +1.6
M04C	Macdoel	12.89 143	P	P	23 37 28.4 +1.7
J08A	Circle Bar Inn	13.02 130	ePn	Pn	23 37 29.2 +1.0
JCCM	Jacoby Creek,	13.03 151	ePn	Pn	23 37 28.4 0.0
EGAK	Eagle Lake Hor	13.05 349	ePn	Pn	23 37 28.6 -0.1
JHCC	Horse Mountain	13.07 150	ePn	Pn	23 37 30.1 +1.0
MSO	Missoula	13.14 109	ePn	Pn	23 37 31.7 +1.7
MSO	Missoula	13.14 109	ePn	Pn	23 37 31.1 +1.2
DHD	Denali Highway	13.21 329	ePn	Pn	23 37 30.4 -0.5
M05D	Modoc Plateau	13.38 138	ePn	Pn	23 37 34.8 +1.5
SUA	Susitna One	13.40 319	ePn	Pn	23 37 32.8 -0.7
YKA	Yellowknife Ar	13.65 37	Pn	Pn	23 37 35.9 -0.8
WVOR	Wild Horse Val	13.66 133	ePn	Pn	23 37 38.9 +1.8
WVOR	Wild Horse Val	13.66 133	ePn	Pn	23 37 38.9 +1.8
KMRM	Mail Ridge	13.68 151	ePn	Pn	23 37 39.0 +1.7
WDC	Whiskeytown Da	13.71 147	ePn	Pn	23 37 39.2 +1.5
WDC	Whiskeytown Da	13.71 147	ePn	Pn	23 37 39.2 +1.5
RND	Reindeer	13.92 328	ePn	Pn	23 37 40.8 +0.3
RND	Reindeer	13.92 328	ePn	Pn	23 37 40.8 +0.3
O02D	Mt. Diablo Mer	14.00 149	P	P	23 37 42.1 +0.4
SKT	Skwentna	14.00 320	ePn	Pn	23 37 40.5 -1.0
HDA	Harding Lake	14.08 333	ePn	Pn	23 37 44.3 +1.7
MCK	McKinley	14.18 328	ePn	Pn	23 37 45.0 +1.1
MCK	McKinley	14.18 328	ePn	Pn	23 37 45.0 +1.1
KCPM	Cahto Peak	14.21 152	ePn	Pn	23 37 44.6 0.0
O03E	Paynes Creek	14.22 146	P	P	23 37 46.3 +1.6
IL1	Eielson Array	14.35 334	ePn	Pn	23 37 47.3 +1.1
ILAR	Eielson Array	14.35 334	ePn	Pn	23 37 45.7 -0.6
ILB	Eielson Array	14.35 334	ePn	Pn	23 37 47.8 +1.6
HRY	Holter Researc	14.43 106	ePn	Pn	23 37 49.3 +1.8
WRF	Wood River Moun	14.43 326	ePn	Pn	23 37 49.3 +1.8
WRF	Wood River Hill	14.45 332	ePn	Pn	23 37 49.4 +1.7
CCB	Clear Creek Bu	14.50 332	ePn	Pn	23 37 50.1 +1.7
BWN	Browne	14.65 329	ePn	Pn	23 37 50.6 +2.2
POKR	Poker Plat Res	14.76 334	P	P	23 37 55.8 -2.1
PPLA	Peapack	14.77 322	ePn	Pn	23 37 52.8 +0.6
HLID	Hailey	14.90 120	ePn	Pn	23 37 54.1 0.0
HLID	Hailey	14.90 120	ePn	Pn	23 37 58.5 -1.2
MCV	McKenzie Canyo	14.92 114	ePn	Pn	23 37 54.4 -0.1
ORV	Oroville Reser	14.98 146	ePn	Pn	23 37 54.8 -0.8
ORV	Oroville				

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like ISA, MPMC, TMUT, P17A, MSU, PKM, K22A, ARVC, LRM, CCUT, SHPR, SZCU, RWWY, SRU, SHOC, MTPU, EDW, RSSD, RSSD, GSC, GSC, GSC, GSC, UNV, LCMT, PKCU, O20A, O20A, SC2Z, KNB, KNB, KNB, TUQ, BLG, ANM, ANM, MWC, MWC, PASC, HEC, BFSC, MDND, MDND, PV09, LDFC, N23A, N23A, RDOG, PV21, GMRC, SNCO, U15A, PV23, PV10, PV14, PV22, PV20, PV19, PV16, PV17, PV11, PV18, PV12, PV03, PV05, PV13, PV02, NEE2, W13A, MURC, PV01, BELC, SC12, SMCO, PFO, PFO, XPFO, TPFO, IRM, FRD, ISCO.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like ISCO, ISCO, PDMCI, BC3, 109C, CPE, WUAZ, WUAZ, MVCO, ULM, ULM, Y12C, Y12C, MONP, BAR, SWSC, S22A, S22A, IKP, Q24A, Q24A, Y14A, GLA, GLA, GLA, GAMB, SUSD, AGMN, AGMN, X16A, OGNE, OGNE, W18A, W18A, SDCO, SDCO, 113A, X18A, KSCO, KSCO, T25A, T25A, 214A, ECSD, ECSD, ANMO, ANMO, ANMO, ANMO, LAZ, LAZ, TUC, TUC, TUC, LENN, BNM, EYMN, EYMN, CBKS, CBKS, CBKS, SPMN, SPMN, 121A, E38A, E38A, RES, F38A, 319A, H38A, G38A, G39A, KSU1, EPT, AMTX, AMTX, MSTX, MSTX, HSGT, HSGT, J39A, MNXT, MNXT, MNXT.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like K40A, M39A, M40A, WMOK, WMOK, WMOK, N41A, TUL1, TUL1, O41A, N42A, P41A, Q41A, TX31, TXAR, TXAR, TXAR, P42A, P42A, HHAR, HDIL, HDIL, R41A, U39A, Q42A, X37A, CCM, CCM, CCM, P43A, V39A, R42A, U40A, T41A, Q43A, W39A, W39A, S42A, FVM, FVM, FVM, V40A, V40A, V40A, JCT, JCT, JCT, HPIG, R43A, BILL, BILL, BILL, BILL, BILL, BILL, X39A, O45A, T42A, Q44A, V41A, MIAR, MIAR, MIAR, S43A, U42A, LP42, P45A, P45A, T43A, Q45A, PBMO, V42A, V42A, S44A, SIUC, P46A, OLIL, R45A, SLBS, S45A, Y41A, P47A, FRB, BLO, BLO, BLO.

R46A	Gibon Southern	33.93	97	P	P	23 41 06.2	0.0	baz=314	250A	Grady	38.91	104	eP	P	23 41 49.1	+0.4	HHC	comp=Z.210nm,10.4s	LR	LR					
USIN	University of	33.99	97	eP	P	23 41 07.1	+0.3	comp=Z.202nm,1.9s	250A	Grady	38.91	104	eP	P	23 41 48.1	-0.7	HHC	comp=Z.210nm,13.8s	LR	LR					
Q47A	Bedford North L	34.13	95	P	P	23 41 08.5	+0.5	baz=316	X53A	Estanolee	38.82	98	P	P	23 41 48.8	-0.1	OBN	comp=Z.280nm,13.0s	72.26	7	P	P	23 45 47.7	-0.3	
S46A	Don Dixon Farm	34.15	98	P	P	23 41 07.8	-0.3	baz=313	MOQ	Mont Orford	39.01	76	eP	P	23 41 50.3	+0.7	OBN	comp=Z.1.4nm,0.5s,baz=20,slow=16,SNR=3.5	72.26	7	iP	P	23 45 46.6	-1.4	
CCAR	Cane Creek	34.29	107	eP	P	23 41 11.0	+1.6	SEY	Seymchan	39.21	316	P	P	23 41 50.0	-1.0	OBN		i					23 45 53.1		
833A	Chaparral WMA,	34.31	122	eP	P	23 41 10.6	+1.0	SEY	Seymchan	39.21	316	eP	P	23 41 51.4	+0.5	OBN		i					23 48 31.4		
833A	Chaparral WMA,	34.31	122	P	P	23 41 10.3	+0.7	251A	Midway	39.34	103	P	P	23 41 51.7	-0.6	OBN			pmax	pmax					
T46A	Princeton	34.46	99	P	P	23 41 10.5	-0.3	152A	Waverly Hall	39.34	101	P	P	23 41 51.6	-0.8	OBN	comp=Z.28nm,1.5s								
R47A	Woolly Knot Far	34.47	96	P	P	23 41 11.1	+0.2	GOGA	Godfrey	39.58	99	P	P	23 41 53.0	-1.3	CLL	comp=Z.98nm,15.0s	72.40	22	eP	MLR	MLR		23 45 50.0	+1.0
Z42A	Norrel Spur, H	34.64	108	P	P	23 41 12.3	-0.1	Z53A	Monticello	39.60	100	P	P	23 41 54.4	-0.2	CLL	comp=Z.34nm,2.0s			iSP	sP		23 45 55.9	0.0	
WCI	Wyandotte Cave	34.66	96	eP	P	23 41 12.3	-0.2	Y54A	Tignall	39.73	98	P	P	23 41 55.3	-0.3	DGZ	comp=Z.21nm,1.4s	72.69	334	iP	P	P	23 45 50.7	-0.2	
WCI	Wyandotte Cave	34.66	96	eP	P	23 41 12.3	-0.2	PETK	Petrovavlovsk-	40.77	300	P	P	23 42 02.9	-1.1	DGZ	comp=Z.4.0nm,1.5s				pmax		23 45 52.7	+0.1	
WCI	comp=Z.31nm,1.0s	34.66	96	eP	P	23 41 12.5	-0.1	PETK	comp=Z.3.0nm,0.8s,baz=76,slow=31					23 42 07.9	0.9	BRG	Bergliesshubel	73.02	22	eP	P	P	23 45 52.7	+0.1	
WCI	Wyandotte Cave	34.66	96	P	P	23 41 12.5	-0.1	PETK	comp=Z.251nm,21.0s,baz=77,slow=34					23 42 04.6	+0.6	BRG	comp=Z.19nm,1.4s			e			23 46 10.4		
P49A	Miami Univ. Ec	34.80	93	P	P	23 41 12.5	-1.2	PETK	Petrovavlovsk-	40.77	300	eP	P	23 42 04.6	+0.6	BRG	comp=Z.62nm,2.1s			e			23 45 52.7	+0.1	
R48A	Northridge Ran	34.80	95	P	P	23 41 13.5	-0.3	MA2	Magadan	41.26	311	LR	LR	23 42 04.6	+0.6	BRG	Bergliesshubel	73.02	22	eP	P	P	23 46 10.4		
HKT	Hockley	34.92	116	eP	P	23 41 16.5	+1.7	MA2	Magadan	41.26	311	eP	P	23 42 07.5	-0.5	BRG	comp=Z.1.3nm,0.9s,baz=336,slow=6,SNR=7.3				pmax	pmax	23 45 52.7	+0.1	
HKT	Hockley	34.92	116	eP	P	23 41 16.5	+1.7	SUMG	Summit	41.97	27	eP	P	23 42 15.3	+1.2	BRV	Borovyev	73.05	346	eP	P	P	23 45 52.3	-0.5	
HKT	comp=Z.22nm,1.5s	34.92	116	eP	P	23 41 16.5	+1.7	SUMG	Summit	41.97	27	eP	P	23 42 15.3	+1.2	BRV	Borovyev	73.05	346	eP	P	P	23 45 52.3	-0.5	
T47A	Sharon Grove	34.97	98	eP	P	23 41 15.1	-0.2	SUMG	Summit	41.97	27	eP	P	23 42 15.3	+1.2	KHC	comp=Z.7.0nm,1.0s	74.57	23	eP	P	P	23 46 02.5	+0.7	
T47A	Sharon Grove	34.97	98	eP	P	23 41 15.1	-0.2	TIXI	Tiksi	43.82	333	LR	LR	00 01 34.1		KHC	comp=Z.7.1nm,1.4s	74.57	23	eP	P	P	23 46 02.5	+0.7	
241A	Mo Tay, Goldon	34.99	110	P	P	23 41 16.6	+1.1	DAG	Danmarks Havn	44.37	18	P	P	23 42 34.7	+1.8	KHC	Kasperske Hory	74.57	23	eP	P	P	23 46 02.5	+0.7	
WVT	Waverly	35.10	100	P	P	23 41 16.2	-0.1	DAG	Danmarks Havn	44.37	18	P	P	23 42 34.7	+1.8	KHC	comp=Z.7.0nm,1.4s				pmax	pmax	23 46 02.5	+0.7	
V46A	Holladay	35.15	101	P	P	23 41 16.1	-0.7	CMIG	Matias Romero	45.94	126	LR	LR	00 02 33.8		MORC	Moravsky Berou	74.83	20	iP	P	P	23 46 04.0	+0.6	
S48A	Wiedeman Farm,	35.17	96	P	P	23 41 17.1	+0.2	YAK	Yakutsk	48.84	322	eP	P	23 43 12.9	+4.8	MORC	Moravsky Berou	74.83	20	iP	P	P	23 46 03.8	+0.4	
SADO	Sadowa	35.19	81	LR	LR	23 55 13.9		YAK	comp=Z.27nm,0.9s						OJC	Ojcow	74.86	18	eP	P	P	23 46 04.2	+0.8		
U47A	Clarksville	35.22	99	P	P	23 41 17.1	-0.3	YAK	comp=N.6.0nm,1.3s						OJC	Ojcow	74.86	18	eP	P	P	23 46 04.3	+0.8		
ALGO	Algonquin Park	35.22	79	P	P	23 41 17.9	+0.5	YSS	Yuzh-Sakhalins	52.17	300	eP	P	23 43 38.4	+4.9	GERES	GERESS Array B	74.86	23	eP	P	P	23 46 03.4	-0.2	
OXF	Oxford	35.26	104	eP	P	23 41 17.4	-0.3	KLR	Kul'dur	56.25	308	eP	P	23 44 05.4	+2.5	GEAO	GERESS Array S	74.87	23	eP	P	P	23 46 03.9	+0.2	
OXF	Oxford	35.26	104	eP	P	23 41 17.5	-0.3	H11N2	WAKE ISLAND Hy	56.95	259	T	T	00 46 10.4		VRAC	Vranov	75.08	21	iP	P	P	23 46 05.1	+0.4	
OXF	comp=Z.69nm,0.9s	35.26	104	eP	P	23 41 17.5	-0.3	H11N3	WAKE ISLAND Hy	56.95	259	T	T	00 46 09.9		VRAC	Vranov	75.08	21	iP	P	P	23 46 05.8	+1.1	
OXF	comp=Z.69nm,0.9s	35.26	104	eP	P	23 41 16.9	-0.8	H11N1	WAKE ISLAND Hy	56.96	259	T	T	00 46 15.8		KRUC	Kravsky	75.27	21	eP	P	P	23 46 05.4	+0.6	
OXF	comp=Z.69nm,0.9s	35.26	104	eP	P	23 41 16.9	-0.8	BOD	Bodaibo	57.48	324	eP	P	23 44 03.1	-8.7	DAVA	Damuels	75.36	26	pP	P	P	23 46 08.6	+2.0	
T48A	Bowling Green	35.32	97	P	P	23 41 18.3	0.0	BOD	Bodaibo	57.48	324	eP	P	23 44 03.1	-8.7	RKT	Rikitea	75.42	183	eT	T	T	01 08 38.2		
X45A	UMI Field Stati	35.33	104	P	P	23 41 18.0	-0.3	BANI	BANI	58.55	101	eP	P	23 44 20.6	+0.6	NJ2	Nanjing	75.50	304	eP	P	P	23 46 08.0	+0.6	
V47A	Nunnely	35.49	100	P	P	23 41 19.2	-0.5	USRK	Ussuriysk Ar.	59.60	304	P	P	23 44 24.9	-1.8	NIE	Niedzica	75.72	18	eP	P	P	23 46 09.7	+1.3	
S49A	Springfield	35.55	96	P	P	23 41 20.1	-0.1	OUL	Oulu	61.45	10	P	P	23 44 39.7	+0.7	WATA	Walderalm	75.75	24	pP	P	P	23 46 10.3	+1.5	
PLAL	Pickwick Lake	35.73	102	eP	P	23 41 21.2	-0.5	HIA	Hailar	61.65	315	eP	P	23 44 42.2	+1.4	SQTA	Sankt Quirin	75.77	25	pP	P	P	23 46 09.9	+1.0	
342A	Flagon Creek P	35.81	110	eP	P	23 41 23.0	+0.4	HIA	Hailar	61.65	315	eP	P	23 44 42.2	+1.4	LANS	LANS	75.82	19	eP	P	P	23 46 10.5	+1.5	
R50A	Paris	35.82	94	P	P	23 41 21.9	-0.6	MTP	Monte Pirata	61.67	97	eP	P	23 44 40.4	-0.8	LANS	LANS	75.82	19	eP	P	P	23 46 10.5	+1.5	
W47A	Westpoint	35.83	101	P	P	23 41 21.3	-1.4	MAJO	Matsushiro	61.75	294	eP	P	23 44 43.0	+1.4	LANS	LANS	75.82	19	eP	P	P	23 46 16.3		
V48A	Smith Brothers	35.97	100	P	P	23 41 23.3	-0.5	MAJO	Matsushiro	61.75	294	eP	P	23 44 43.0	+1.4	FETA	Feichten	75.83	25	eP	P	P	23 46 07.9	-1.4	
Y46A	Houston	36.02	104	P	P	23 41 23.6	-0.7	NC204	NORSAR Array S	62.71	19	eP	P	23 44 48.4	+0.7	AKASG	Main Array Be	75.89	12	P	P	P	23 46 07.9	-1.4	
U49A	Red Billing Sp	36.08	98	P	P	23 41 24.6	-0.2	NC303	NORSAR Array S	62.88	19	eP	P	23 44 49.7	+1.0	AKBB	Main Array Si	75.89	12	eP	P	P	23 46 09.0	-0.3	
244A	Avery, Jackson	36.27	108	P	P	23 41 26.9	+0.5	NB2	NORSAR Subarra	63.02	19	P	P	23 44 50.0	+0.3	AKBB	Main Array Si	75.89	12	eP	P	P	23 46 09.0	-0.3	
W48A	Pulaski	36.31	100	P	P	23 41 26.2	-0.6	NB2	NORSAR Subarra	63.02	19	P	P	23 44 50.0	+0.3	KIEV	Kiev	75.90	12	eP	P	P	23 46 09.0	-0.4	
T50A	Nancy	36.32	96	P	P	23 41 26.6	-0.2	NOA	NORSAR Array B	63.02	19	P	P	23 44 50.3	+0.6	KIEV	Kiev	75.90	12	iP	P	P	23 46 08.8	-0.5	
V49A	McMinnville	36.50	99	P	P	23 41 28.1	-0.3	NOA45	NORSAR Array S	63.05	19	eP	P	23 44 50.8	+0.9	KIEV	Kiev	75.90	12	iP	P	P	23 46 08.8	-0.5	
X48A	Hartselle	36.71	101	P	P	23 41 29.2	-1.0	JOF	Joensuu	64.11	8	P	P	23 44 58.1	+1.3	MODS	Modra-Piesok	76.11	20	eP	P	P	23 46 11.2	+0.5	
U50A	Jamestown	36.71	97	P	P	23 41 29.8	-0.4	HEL	Santa Helena	65.28	114	eP	P	23 45 05.2	-0.4	MODS	Modra-Piesok	76.11	20	eP	P	P	23 46 11.2	+0.5	
T51A	Gray	36.90	95	P	P	23 41 31.5	-0.3	PAMC	Panama, Colo	65.59	111	eP	P	23 45 08.9	-1.6	MODS	Modra-Piesok	76.11	20	eP	P	P	23 46 11.2	+0.5	
LNIG	Linares	37.08	125	eP	P	23 41 32.8	-0.7	TLY	Talaya	66.00	326	eP	P	23 45 08.6	-0.7	CONA	Conrad Observa	76.22	21	iP	P	P	23 46 12.1	+0.7	
X49A	Woodville	37.10	101	P	P	23 41 33.0	-0.5	TLY	Talaya	66.00	326	eP	P	23 45 11.2	+1.9	MKAR	Makanchi Array	76.69	336	P	P	P	23 46 12.8	-1.2	
TRQ	Mont Tremblant	37.16	76	eP	P	23 41 34.8	-0.7	PRGR	Pergomere	66.11	1	eP	P	23 45 09.3	-0.5	MK01	Makanchi Array	76.71	336	eP	P	P	23 46 12.6	-1.5	
W50A	Signal Mountain	37.24	99	eP	P	23 41 34.2	-0.5	PRGR	Pergomere	66.11	1	eP	P	23 45 09.3	-0.5	ARSA	Arzberg	76.78	22	P	P	P	23 46 14.9	+0.4	
ZAIG	Zacatas	37.41	131	eP	P	23 41 36.8	+0.3	NORC	Norcasia	66.17	114	eP	P	23 45 10.1	-0.8	UZH	Uzhgorod	76.78	17	eP	P	P	23 46 14.9	+0.1	
TZTN	Tazewell	37.41	96	eP	P	23 41 36.5	+0.4	KSR5	Korea Array	66.30	31	P	P	23 45 10.7	-2.9	PSZ	Piszkesteto	77.08	19	eP	P	P	23 46 20.5	+1.4	
TZTN	Tazewell	37.41	96	eP	P	23 41 36.5	+0.4	YOTC	Yotoco, Valle	66.66	116	eP	P	23 45 10.9	-1.2	PSZ	Piszkesteto	77.08	19	iP	P	P	23 46 16.5	+0.3	
V51A	Loudon	37.41	97	eP	P	23 41 37.2	+1.0	KSAR	Wonju Array Be	66.67	3														

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and various station data points like GLA, OGNE, X16A, etc.

DDA 29:00:13:02.5, 42.08N, 143.39E, h7km, ML2.5
IDA 29:00:13:02.5, 42.08N, 143.39E, h7km, ML2.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and station data for the Western Caucasus region.

IDC 29:00:18:43.3, 1.6, 52.17N, 131.79W, h0km, mb3.5/2,
mb1 3.8/8, mb1mx3.5/4.4, mbmtpp3.5/8, ML4.1/3, Error
ellipse: s-maj=26.1km s-min=8.0km az=51.0

PGC 29:00:18:44.0, 0.52, 19N, 132.10W, h8km, 119km Ssw of
Sandspit, Bc Haida Gwaii Region

ISCJB 29:00:18:46.0, 0.5, 52.36N, 0.07, 131.5W, 0.1, h10km,
mb5.3/2, Error ellipse: s-maj=12.8km s-min=4.1km

NEIC 29:00:18:48.0, 4.7, 52.28N, 131.44W, h10km, mb4.0/8, Error
ellipse: s-maj=21.0km s-min=5.3km az=50.0

ISC 29:00:18:47.0, 0.7, 52.36N, 0.09, 131.51W, h10km, n52,
e187/44, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and station data for the Queen Charlotte Islands region.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and station data for the Indian Mountain region.

PGC 29:00:26:43.3, 52.42N, 132.54W, h19km, 103km southwest
of Sandspit, Bc Haida Gwaii Region

IDC 29:00:26:43.9, 0.7, 52.49N, 132.71W, h0km, mb4.1/14,
mb1 4.2/21, mb1mx4.1/47, mbmtpp4.0/21, ML3.5/20,
Ms1 3.5/20, ms1mx3.3/40, Error ellipse: s-maj=11.6km
s-min=7.3km az=82.0

ISCJB 29:00:26:47.0, 4.0, 52.51N, 0.03, 132.06W, 0.06, h18km,
mb4.4/65, MS3.5/14, Error ellipse: s-maj=6.1km
s-min=2.6km az=144.1

NEIC 29:00:26:49.2, 0.2, 52.37N, 132.12W, h10km, mb4.3/99,
Error ellipse: s-maj=7.1km s-min=2.3km az=51.0

ISC 29:00:26:47.0, 4.0, 52.61N, 0.05, 132.34W, 0.06, h18km,
n337, e193/314, mb4.5/65, MS3.5/14, Queen Charlotte
Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and station data for the Queen Charlotte Islands region.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and station data for the Eielson Array region.

29d 0h

Table with columns: SHPR, Sheep Range, 20.14 136 eP, P, 00 31 20.8 -0.1, etc. Lists various stations and their coordinates.

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Table with columns: ANMO, Albuquerque, 25.49 124 LR, LR, 00 42 03.0, etc. Lists various stations and their coordinates.

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Table with columns: ZALV, comp=Z,0.9nm,0.6s,baz=12,slow=2.6,SNR=4.7, LR, LR, 01 11 07.0, etc. Lists various stations and their coordinates.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, etc. Lists station codes and names.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, etc. Lists station codes and names.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, etc. Lists station codes and names.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, etc. Lists station codes and names.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, etc. Lists station codes and names.

ZALV Zalesovo Beam 69.33 338 P P 00 49 53.1 +1.7
LPZA La Paz 84.02 120 P P 00 51 34.0 -1.2

PGC 29:00:48:05.3:5.2:83N:132.46W,h5km=192km,63km
Wsw of Sandpit, Bo Haida Gwaii Region
IDC 29:00:48:29.1:1.2:52.24N:131.89W,h0km,mb3.7/5,
mb1 3.8/6,mb1mx3.6/35,mbtmp3.6/8,ML3.2/4,MS3.4/3,
Ms1 3.5/3,ms1mx2.7/39,Error ellipse: s-maj=17.2km
s-min=7.5km az=42.0

ISC 29:00:48:32.3:1.0:52.8N:0.1:131.41W:0.09,h10km,n18,
c2923/13,mb3.6/5,MS3.3/3,Queen Charlotte Islands
region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s, ISC. Includes stations like DAWSON INLET T, Bella Bella, Dease Lake, etc.

IDC 29:00:54:04.4:0.4:52.55N:134.40W,h0km,mb3.5/1,
mb1 3.9/5,mb1mx3.5/45,mbtmp3.6/5,ML4.1/3,Error
ellipse: s-maj=58.4km s-min=20.3km az=86.0,Queen
Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s, ISC. Includes stations like VAN INLET T-PH, DAWSON INLET T, Bella Bella, etc.

IDC 29:01:02:36.6:1.5:52.25N:132.29W,h0km,mb3.8/2,
mb1 3.8/6,mb1mx3.5/38,mbtmp3.5/6,ML3.6/4,MS2.5/2,
Ms1 2.5/2,ms1mx2.3/32,Error ellipse: s-maj=16.2km
s-min=7.5km az=53.0

ISCJB 29:01:02:37.8:1.1:52.27N:0.07:132.2W:0.1, h18km,
mb3.0/2, Error ellipse: s-maj=14.3km s-min=7.3km
az=147.1

ISC 29:01:02:39.5:1.2:52.27N:0.10:131.99W:0.09,h18km,n11,
c2500/10,Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s, ISC. Includes stations like DAWSON INLET T, VAN INLET T-PH, Bella Bella, etc.

IDC 29:01:03:56.4:3.4:5.68S:151.12E,h0km,mb4.0/3,
mb1 4.2/3,mb1mx3.7/26,mbtmp4.0/3,Error ellipse:
s-maj=113.7km s-min=47.6km az=120.0,New Britain
region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s, ISC. Includes stations like Warramunga Arr, ASAR Alice Springs, FITZ Fitzroy Cross, etc.

IDC 29:01:13:16.1:14.0,26.20N:141.79E,h0km,mb3.8/4,

mb1 3.9/4,mb1mx3.5/36,mbtmp3.8/4,Error ellipse:
s-maj=408.2km s-min=103.4km az=0.0,Bonin Islands
region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s, ISC. Includes stations like ZALV Zalesovo Beam, MKAR Makanchi Array, etc.

MEX 29:01:22:43.0:0.4:24.85N:110.41W,h17km,999km,MD3.6,
Baja California

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s, ISC. Includes stations like La Paz, LPIG.

PGC 29:01:23:40.1:5.2:54N:132.51W,h25km,91km southwest
of Sandpit, Bo Haida Gwaii Region

IDC 29:01:23:40.2:1.8:52.57N:132.45W,h0km,mb3.5/1,
mb1 3.5/6,mb1mx3.3/33,mbtmp3.1/6,ML3.3/5,MS2.8/3,
Ms1 2.8/3,ms1mx2.5/38,Error ellipse: s-maj=21.7km
s-min=8.6km az=58.0,Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s, ISC. Includes stations like VAN INLET T-PH, Bella Bella, Dease Lake, etc.

ISCJB 29:01:43:35.7:0.4:67.56N:0.03:162.31W:0.10,h10km,
mb3.6/7, Error ellipse: s-maj=5.7km s-min=4.2km
az=145.2

NEIC 29:01:40:37.6:0.0:67.62N:162.70W,h20km,ML3.6(AEIC),
After AEIC,
IDC 29:01:40:37.7:1.1:68.10N:162.01W,h0km,mb3.6/7,
mb1 4.0/10,mb1mx3.7/46,mbtmp3.8/10,ML3.9/3,Error
ellipse: s-maj=32.5km s-min=17.2km az=37.0

ISC 29:01:40:37.0:0.7:67.61N:0.05:162.49W:0.06,h10km,n39,
c1511/46,mb3.6/7,Northern Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s, ISC. Includes stations like Red Dog Mine, Nome, Galena City Sc, etc.

ISC 29:01:49:03.0:0.5:52.48N:132.02W,h14km,mb5.1/39,
MS4.6/8, Error ellipse: s-maj=9.1km s-min=4.2km
az=107.1

ISCJB 29:01:49:01.0:0.4:52.51N:0.02:131.91W:0.04,h18km,3km,
mb4.7/164,MS4.4/42, Error ellipse: s-maj=4.2km
s-min=1.7km az=144.1

NEIC 29:01:49:01.0:0.2:52.52N:132.04W,h10km,mb4.6/164,
MW5.0(TOT), Error ellipse: s-maj=4.5km s-min=1.7km
az=53.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s, ISC. Includes stations like Red Dog Mine, Nome, Galena City Sc, etc.

ISC 29:01:49:03.0:0.5:52.48N:132.02W,h14km,mb5.1/39,
MS4.6/8, Error ellipse: s-maj=9.1km s-min=4.2km
az=107.1

ISCJB 29:01:43:55.3:1.7:12.05N:0.07:88.39W:0.04,h24km,13km,
mb3.7/4, Error ellipse: s-maj=12.3km s-min=4.3km
az=22.9

UCR 29:01:43:56.0:1.1:12.10N:88.39W,h23km,5km,ML3.5
IDC 29:01:43:56.2:0.1:12.86N:87.78W,h0km,mb3.7/4,
mb1 4.0/6,mb1mx3.7/46,mbtmp3.7/6,ML3.3/2,MS2.2/1,
Ms1 2.2/1,ms1mx2.1/43, Error ellipse: s-maj=7.2km
s-min=2.7km az=44.0

ISC 29:01:43:57.5:2.9:12.19N:0.09:88.34W:0.06,h23km,21km,
n29,c140/37,mb3.5/4,Off coast of central America

LCND comp=Z,535nm,0.4s IAML Pn 01 44 19.2 -0.2
LCY Layaco 1.23 2 eP Pn 01 44 19.5 -0.1
VSM San Miguel 1.23 3 eP Pn 01 44 19.6 -0.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s, ISC. Includes stations like TCA Tepaca, CRIN San Cristobal, etc.

CNNG Cerro Negro 1.63 79 eS Pn 01 44 23.4 -1.5
CNNG Copalpete 1.69 306 eP Pn 01 44 26.7 -0.4

LBRS Las Brisas 1.69 306 eP Pn 01 44 25.3 -0.4
COPN Copalpete 1.70 90 eP Pn 01 44 25.1 -0.9

LFRS El Faro 1.59 334 eP Pn 01 44 23.2 -1.2
LFRS Colinas 1.74 327 eP Pn 01 44 25.2 -1.4

MOHM Momotombo 1.77 83 eP Pn 01 44 25.8 -1.0
MGAN Managua 2.07 91 eP Pn 01 44 29.5 -1.0

MGAN Cerro Verde 2.06 322 eP Pn 01 44 30.8 -0.2
SBSL San Blas 2.06 323 eP Pn 01 44 30.2 -0.8

SNJE San Jose 2.08 324 eP Pn 01 44 30.2 -1.0
RTR El Retiro 2.12 323 eP Pn 01 44 31.2 -0.6

MTO3 Montecristo 2.41 336 eP Pn 01 44 35.8 -0.1
MATN Matagalpa 2.46 72 eP Pn 01 44 35.8 -0.7

BOAB BOACO BROADBAW 62 84 eP Pn 01 44 37.3 -1.2
BOAB 2.85 314 eS Pn 01 44 41.0 -0.9

JTS JuntasAbangara 3.82 119 Pn Pn 01 45 36.6 -2.7
JTS comp=Z,4.4nm,0.3s,baz=5.4,slo=13,SNR=3.7, LR 01 46 01.9

CMIG Matias Romero 7.99 308 Pn Pn 01 45 54.0 +1.6
CMIG comp=Z,0.3nm,0.3s,baz=96,slo=14,SNR=3.7 LR 01 47 19.8 -2.4

TXAR Lajitas Array 22.24 322 P Pn 01 48 54.1 +1.2
TXAR comp=Z,2.1nm,0.7s,baz=144,slo=11,SNR=26 P 01 50 54.2 +0.5

PDAR Pinedale Array 35.30 330 P Pn 01 51 09.3 +0.8
PDAR comp=Z,0.2nm,0.4s,baz=119,slo=9,SNR=3.0 P 01 51 09.3 +0.8

ULM Lac du Bonnet 38.45 352 P Pn 01 51 14.7 -2.9
ULM comp=Z,0.2nm,0.6s,baz=168,slo=12,SNR=8.5 P 01 51 14.7 -2.9

WRA Warramunga Arr 138.37 254 PKP PKPcd 02 03 26.4 +4.4
WRA comp=Z,0.2nm,0.6s,baz=120,SNR=5.1 LR 02 03 26.4 +4.4

PGC 29:01:48:57.9:7.8:52.28N:132.40W,h18km,mb4.6,
ML4.7/19,Mw5.1,115km Lsw of Sandpit, Bo Haida Gwaii
Region

IDC 29:01:48:58.0:0.5:52.34N:132.31W,h0km,mb4.5/25,
mb1 4.6/34,mb1mx4.5/57,mbtmp4.4/34,ML3.9/5,MS3.4/34,
Ms1 4.3/34,ms1mx4.2/52,Error ellipse: s-maj=11.5km
s-min=6.3km az=62.0

MOS 29:01:49:00.1:1.0:52.46N:132.02W,h14km,mb5.1/39,
MS4.6/8, Error ellipse: s-maj=9.1km s-min=4.2km
az=107.1

ISCJB 29:01:49:01.0:0.4:52.51N:0.02:131.91W:0.04,h18km,3km,
mb4.7/164,MS4.4/42, Error ellipse: s-maj=4.2km
s-min=1.7km az=144.1

NEIC 29:01:49:01.0:0.2:52.52N:132.04W,h10km,mb4.6/164,
MW5.0(TOT), Error ellipse: s-maj=4.5km s-min=1.7km
az=53.0

GCMT 29:01:49:04.0:0.2:52.36N:0.01:132.28W:0.02,h12km,
MW5.1/109,Moment Tensor Solution. s44,c53;
s109,c177; Duration: 0 Moment tensor Solution 1016Nm;
Mr=6.16t; Mr2: Mr=6.58t; Mr3: Mr=6.58t; Mr4: Mr=6.58t;
Mr5: 2.78t; Mr6: Mr=0.89t; Mr7: Mr=0.89t; Mr8: Mr=0.89t;
Mr9: 10.700x1016 NP1:Ms:148.000000; s47.000000;
s48.000000; NP2:Ms:312.000000; s44.000000;
s45.000000; Principal axes: T 5.9190, P1g2.0000;
Az=230.0000; N 0.3770, P1g8.0000; Az=321.0000; P
-6.2960, P1g2.0000; Az=126.0000; nsta1 refers to
body waves, cutoff=40s; nsta2 refers to surface waves,
cutoff=50s; Triangular moment-rate function

ISC 29:01:49:03.0:0.5:52.48N:132.02W,h14km,mb5.1/39,
MS4.6/8, Error ellipse: s-maj=9.1km s-min=4.2km
az=107.1

ISCJB 29:01:49:01.0:0.4:52.51N:0.02:131.91W:0.04,h18km,3km,
mb4.7/164,MS4.4/42, Error ellipse: s-maj=4.2km
s-min=1.7km az=144.1

NEIC 29:01:49:01.0:0.2:52.52N:132.04W,h10km,mb4.6/164,
MW5.0(TOT), Error ellipse: s-maj=4.5km s-min=1.7km
az=53.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s, ISC. Includes stations like BNB Barry Inlet, MOCB Moresby Island, etc.

DLBC Dease Lake 6.08 10 Pn Pn 01 52 33.6 +2.1
DLBC 4.8nm,0.3s,baz=183,slo=12,SNR=26 Lg 01 52 17.6

29d 1h

Table with columns for station call letters, frequency, and other details. Includes stations like DLBC, Dease Lake, WSLR, etc.

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Table with columns for station call letters, frequency, and other details. Includes stations like ILAR, ILB, DLMT, etc.

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Table with columns for station call letters, frequency, and other details. Includes stations like R11A, R11A, TIN, etc.

PV11	David Mesa, Pa comp=Z,25nm,1.2s	21.44 122 eP	P	01 53 50.2 +0.6
CIS	Catalina Islan baz=307	21.44 147 P	P	01 53 48.5 -0.9
PV18	Skein Mesa, Pa comp=Z,25nm,1.1s	21.46 122 eP	P	01 53 50.4 +0.6
PV12	Saucer Basin, comp=Z,31nm,1.2s	21.46 122 eP	P	01 53 50.2 +0.3
PV03	Paradox Valley comp=Z,25nm,1.1s	21.48 122 eP	P	01 53 50.2 +0.1
PV05	Paradox Valley comp=Z,25nm,1.1s	21.49 123 eP	P	01 53 50.9 +0.7
PV13	Radium Mtn., P comp=Z,52nm,1.1s	21.57 122 eP	P	01 53 51.3 +0.2
PV02	Paradox Valley comp=Z,25nm,1.1s	21.58 122 eP	P	01 53 51.7 +0.6
NEE2	Needles Airpor baz=330	21.62 138 P	P	01 53 51.7 +0.3
W13A	Hualapai Mount comp=Z,35nm,1.1s	21.64 136 eP	P	01 53 52.5 +0.6
MURC	Murieta baz=335	21.67 145 P	P	01 53 51.6 -0.3
PV01	Paradox Valley Belle Mtn, Jos comp=Z,33SNR=22	21.72 122 eP	P	01 53 52.8 +0.2
SEL2	San Clemente I baz=338	21.78 148 P	P	01 53 53.7 +0.6
SMCO	Snowmass comp=Z,67nm,1.1s	21.80 118 eP	P	01 53 54.0 +0.4
PFO	Pinyon Flats O comp=Z,8.6nm,1.1s	21.93 143 eP	P	01 53 54.1 -0.7
PFO	Pinyon Flats O comp=Z,8.6nm,1.1s	21.93 143 eP	P	01 53 54.1 -0.7
PFO	comp=Z,9.0nm,1.1s	21.93 143 P	P	01 53 54.1 -0.7
PFO	Pinyon Flats O baz=334,SNR=6.0	21.93 143 eP	P	01 53 54.5 -0.4
XPFO	Piacon Flat comp=Z,6.9nm,1.1s	21.93 143 eP	P	01 53 54.5 -0.4
TPFO	Pinon Flats comp=Z,6.9nm,1.1s	21.93 143 P	P	01 53 54.4 -0.5
IRM	Iron Mountain baz=332,SNR=29	21.94 140 P	P	01 53 55.0 +0.1
FRD	Ford Ranch, An baz=334,SNR=7.4	21.98 144 P	P	01 53 55.1 -0.2
FCC	Fort Churchill comp=Z,35nm,1.0s	22.09 58 eP	P	01 53 56.0 -0.1
FCC	Fort Churchill comp=Z,35nm,1.0s	22.09 58 eP	P	01 53 55.9 -0.1
FCC	Fort Churchill comp=Z,35nm,1.0s	22.09 58 eP	P	01 53 56.0 -0.1
ISCO	Idaho Springs comp=Z,6.0nm,1.0s	22.11 114 eP	P	01 53 57.5 +0.6
ISCO	Idaho Springs comp=Z,6.0nm,1.0s	22.11 114 eP	P	01 53 57.5 +0.6
ISCO	comp=Z,6.0nm,1.0s	22.11 114 eP	P	01 53 57.5 +0.6
PDMCI	Parker Dam,Lak baz=330,SNR=12	22.22 138 P	P	01 53 57.4 -0.4
BC3	Big Chukawall baz=333,SNR=11	22.27 141 P	P	01 53 57.9 -0.5
109C	Camp Elliot, M baz=336	22.35 145 P	P	01 53 58.2 -0.9
CPE	Camp Elliot comp=Z,11nm,0.9s	22.35 145 eP	P	01 53 59.7 +0.5
WUAZ	Wupatki comp=Z,44nm,1.1s	22.41 131 eP	P	01 53 59.7 -0.2
WUAZ	Wupatki baz=326,SNR=29	22.41 131 P	P	01 53 59.7 -0.2
MVCO	Mesa Verde comp=Z,13nm,1.1s	22.46 123 eP	P	01 53 60.0 -0.6
MVCO	Mesa Verde baz=330,SNR=20	22.46 123 eP	P	01 54 00.2 -0.3
ULM	Lac du Bonnet comp=Z,32nm,1.1s,baz=288,slow=9.6,SNR=15	22.53 81 P	P	01 54 00.4 -0.5
ULM	comp=Z,7.7nm,1.1s,baz=221,slow=10,SNR=5.4	22.53 81 P	P	01 54 00.9 -0.1
ULM	Lac du Bonnet comp=Z,7.7nm,1.1s	22.53 81 P	P	01 54 00.9 -0.1
ULM	Lac du Bonnet comp=Z,7.7nm,1.1s	22.53 81 P	P	01 54 00.9 -0.1
ULM	Lac du Bonnet comp=Z,7.7nm,1.1s	22.53 81 P	P	01 54 00.9 -0.1
Y12C	Blythe baz=332,SNR=7.4	22.59 139 P	P	01 54 01.3 -0.6
MONP2	Monument Peak baz=335,SNR=12	22.59 144 eP	P	01 54 03.4 +0.6
BAR	Barrett comp=Z,3.7nm,0.9s	22.77 143 P	P	01 54 03.4 -0.2
SWSC	Sam W Stewart baz=334	22.92 140 P	P	01 54 04.9 -0.5
IKP	In-Ko-Pac, Jac baz=335,SNR=15	22.92 140 P	P	01 54 06.0 +0.5
S22A	4UR Ranch, Cre baz=318,SNR=32	22.92 120 P	P	01 54 05.9 +0.3
S22A	4UR Ranch, Cre baz=318,SNR=32	22.92 120 P	P	01 54 05.9 +0.3
Q24A	Divide comp=Z,2.2nm,0.7s	22.95 115 eP	P	01 54 06.0 +0.2
Q24A	Divide baz=315,SNR=9.6	22.95 115 P	P	01 54 06.1 +0.2
Y14A	Wickenburg comp=Z,21nm,1.0s	23.01 136 eP	P	01 54 06.5 0.0
GLA	Glamis comp=Z,15nm,1.0s	23.04 141 eP	P	01 54 06.5 0.0
GLA	Glamis comp=Z,15nm,1.0s	23.04 141 eP	P	01 54 06.5 0.0
GLA	Glamis comp=Z,15nm,1.0s	23.04 141 P	P	01 54 06.3 -0.2
SUSD	Miller baz=302	23.18 97 P	P	01 54 07.3 -0.6
AGMN	Agassiz Nation comp=Z,29nm,1.1s	23.26 86 eP	P	01 54 08.1 -0.6
AGMN	Agassiz Nation comp=Z,29nm,1.1s	23.26 86 eP	P	01 54 07.7 -0.9
X16A	Lo Mia Camp, P comp=Z,7.7nm,1.0s	23.29 133 eP	P	01 54 09.6 +0.4
OGNE	Ogallala comp=Z,39nm,1.0s	23.39 108 eP	P	01 54 10.7 +0.7
OGNE	Ogallala baz=311,SNR=6.5	23.39 108 eP	P	01 54 10.4 +0.3
W18A	Petrified Fore comp=Z,30nm,1.1s	23.50 129 P	P	01 54 11.8 +0.6
W18A	Petrified Fore comp=Z,30nm,1.1s	23.50 129 P	P	01 54 10.6 -0.7
SDCO	Great Sand Dun comp=Z,18nm,1.1s	23.63 118 eP	P	01 54 13.0 +0.4
SDCO	Great Sand Dun comp=Z,18nm,1.1s	23.63 118 P	P	01 54 12.7 +0.1
113A	Mohawk Valley, Snowflake comp=Z,44nm,1.0s	23.71 139 eP	P	01 54 13.0 -0.1
X18A	Snowflake comp=Z,44nm,1.0s	23.88 130 eP	P	01 54 15.3 +0.4
EPL0	Experimental L Kaye Shedlock comp=Z,38nm,0.8s	24.03 81 P	P	01 54 14.7 -1.3
KSCO	Kaye Shedlock comp=Z,38nm,0.8s	24.33 112 P	P	01 54 20.2 +1.2
KSCO	Kaye Shedlock baz=313,SNR=8.3	24.33 112 P	P	01 54 19.2 +0.2
T25A	Trinidad comp=Z,12nm,1.0s	24.66 117 P	P	01 54 23.6 +1.4
T25A	Trinidad baz=317,SNR=7.7	24.66 117 P	P	01 54 22.0 -0.2
214A	Organ Pipe Nat baz=332,SNR=12	24.81 138 P	P	01 54 23.1 -0.2
SOLO	Sioux Locust EROS Data Cent comp=Z,18nm,1.0s	24.90 80 eP	P	01 54 22.6 -1.3
ECSD	EROS Data Cent comp=Z,18nm,1.0s	24.99 96 eP	P	01 54 24.5 -0.3
ECSD	EROS Data Cent comp=Z,18nm,1.0s	24.99 96 eP	P	01 54 24.4 -0.4
ANMO	Albuquerque comp=Z,3.4nm,0.9s,baz=327,slow=10.0,SNR=10	25.25 124 P	P	01 54 26.1 -1.4
ANMO	Albuquerque comp=Z,2.09nm,18.9s,baz=320,slow=38	25.25 124 eP	P	02 04 51.8
ANMO	Albuquerque comp=Z,2.7nm,1.1s	25.25 124 eP	P	01 54 27.1 -0.4
ANMO	Albuquerque comp=Z,2.7nm,1.1s	25.25 124 eP	P	01 54 27.0 -0.4
ANMO	Albuquerque comp=Z,13nm,1.7s	25.25 124 P	P	01 54 27.5 0.0
ANMO	Albuquerque baz=322	25.34 126 eP	P	01 54 28.7 +0.4
LAZ	Ladron comp=Z,7.1nm,1.1s	25.36 134 eP	P	01 54 28.3 0.0
TUC	Tucson comp=Z,7.0nm,1.1s	25.36 134 eP	P	01 54 28.3 0.0
TUC	Tucson comp=Z,7.0nm,1.1s	25.36 134 P	P	01 54 27.8 -0.5
BGNE	Belgrade comp=Z,25nm,1.0s	25.40 102 eP	P	01 54 29.6 +1.1
BGNE	Belgrade comp=Z,25nm,1.0s	25.40 102 P	P	01 54 29.9 -1.6
PKLO	Pickle Lake baz=308	25.43 75 P	P	01 54 28.5 -0.1
LENM	Lemitar comp=Z,19nm,1.0s	25.61 126 eP	P	01 54 31.2 +0.5

ATKO	Atikokan Iron LPM Y22D	25.64 82 P 25.66 125 eP 25.71 126 P	P P P	01 54 30.0 -0.6 01 54 33.7 +2.1 01 54 31.1 +0.1
BNN	Barren Site Ely comp=Z,59nm,1.1s	25.80 125 eP 26.07 84 eP	P P	01 54 32.9 +0.4 01 54 34.8 +0.3
EYMN	Ely comp=Z,29s,SNR=15	26.07 84 P	P	01 54 34.7 +0.1
CBKS	Cedar Bluff baz=312	26.12 109 P	P	01 54 35.2 +0.1
F37A	Hinrichs Farm, baz=299	26.40 89 P	P	01 54 37.9 +0.4
SPMN	Marine on St. comp=Z,18nm,0.9s	26.54 90 eP	P	01 54 39.8 +1.0
SPMN	Marine on St. baz=300,SNR=5.3	26.54 90 P	P	01 54 38.8 +0.1
121A	Cookes Peak, D baz=326,SNR=15	26.54 129 P	P	01 54 39.1 -0.1
E38A	The Farm, Brul comp=Z,23nm,1.1s	26.63 86 eP	P	01 54 40.9 +1.2
E38A	The Farm, Brul baz=298	26.63 86 P	P	01 54 39.3 -0.3
F31A	Pierce Schro baz=299,SNR=7.9	26.74 88 P	P	01 54 41.4 +0.8
319A	Douglas comp=Z,25nm,1.1s	26.82 21 P	P	01 54 42.9 +1.3
RES	Resolute Bay comp=Z,5.0nm,0.7s,baz=239,slow=14,SNR=11	26.84 21 P	P	01 54 42.1 +1.0
RES	Resolute Bay comp=Z,4.2nm,1.0s,baz=295,slow=20,SNR=4.1	26.84 21 P	P	02 03 19.1
RES	Resolute Bay comp=Z,2um,19.4s,baz=233,slow=37	26.84 21 eP	P	02 05 49.0
RES	Resolute Bay comp=Z,2um,19.4s,baz=233,slow=37	26.84 21 eP	P	01 54 42.6 +1.4
RES	Resolute Bay comp=Z,2um,19.4s,baz=233,slow=37	26.84 21 eP	P	02 03 19.1
RES	Resolute Bay comp=Z,2um,19.4s,baz=233,slow=37	26.84 21 eP	P	01 54 42.5 +1.3
RES	Resolute Bay comp=Z,2um,19.4s,baz=233,slow=37	26.84 21 eP	P	01 54 42.5 +1.4
H38A	Mission Rock baz=301	27.13 91 P	P	01 54 43.0 -1.2
G38A	Ridgeland baz=300	27.14 89 P	P	01 54 44.7 +0.5
F39A	Loretta baz=299	27.35 87 P	P	01 54 49.8 +3.8
E39A	Mellen baz=298	27.35 86 P	P	01 54 46.4 +0.3
G39A	Holcombe baz=300	27.50 89 P	P	01 54 47.2 -0.3
H39A	Augusta baz=301	27.74 90 P	P	01 54 49.2 -0.4
KSU1	Kansas State U comp=Z,6.0nm,0.9s	27.77 105 eP	P	01 54 50.6 +0.7
KSU1	Kansas State U comp=Z,6.0nm,0.9s	27.77 105 eP	P	01 54 49.7 -0.1
AMTX	Amarillo comp=Z,20nm,0.9s	27.82 117 eP	P	01 54 51.1 +0.6
AMTX	Amarillo baz=319	27.82 117 P	P	01 54 50.7 +0.3
MSTX	Muleshoe comp=Z,5.7nm,1.0s	27.93 120 eP	P	01 54 52.3 +0.8
MSTX	Muleshoe comp=Z,5.7nm,1.0s	27.93 120 eP	P	01 54 50.5 -0.9
I39A	Houston comp=Z,18nm,0.8s	28.03 92 eP	P	01 54 52.9 +0.7
I39A	Houston comp=Z,18nm,0.8s	28.03 92 P	P	01 54 52.1 -0.1
SCIA	State Center baz=306	28.08 96 P	P	01 54 53.3 +0.6
J39A	Decorah baz=303,SNR=6.5	28.20 93 P	P	01 54 53.3 -0.4
U32A	Winter Ranch, comp=Z,40nm,1.1s	28.22 112 eP	P	01 54 55.4 +1.4
MNTX	Cornudas Mount comp=Z,5.1nm,1.0s	28.39 127 eP	P	01 54 55.2 -0.3
MNTX	Cornudas Mount comp=Z,5.1nm,1.0s	28.39 127 P	P	01 54 55.4 0.0
K39A	Delwin baz=304	28.43 94 P	P	01 54 55.9 +0.1
I40A	Norwalk baz=302	28.56 91 P	P	01 54 56.7 -0.3
L39A	Vinton baz=305	28.70 95 P	P	01 54 58.1 0.0
J40A	Soldiers Grove baz=303	28.75 92 P	P	01 54 58.5 -0.1
K40A	Colesburg baz=304	28.89 93 P	P	01 55 00.1 +0.3
I41A	Arkdale baz=302	28.93 90 P	P	01 55 00.9 +0.7
M39A	Webster baz=306	28.97 96 P	P	01 55 00.7 +0.2
L40A	Anamosa comp=Z,27nm,1.1s	29.21 94 eP	P	01 55 03.2 +0.6
L40A	Anamosa baz=305	29.21 94 P	P	01 55 02.8 +0.1
J41A	Loganville baz=303	29.21 91 P	P	01 55 02.5 -0.3
JFWS	Jewell Farm comp=Z,15nm,1.0s	29.32 92 P	P	01 55 03.6 -0.1
M40A	Post Highland baz=306,SNR=5.3	29.41 96 P	P	01 55 04.6 +0.1
WMOK	Wichita Mounta comp=Z,16m,1.0s	29.53 114 eP	P	01 55 05.6 0.0
WMOK	Wichita Mounta comp=Z,16m,1.0s	29.53 114 eP	P	01 55 05.6 0.0
WMOK	Wichita Mounta comp=Z,16m,1.0s	29.53 114 eP	P	01 55 05.6 0.0
WMOK	Wichita Mounta comp=Z,16m,1.0s	29.53 114 P	P	01 55 05.7 0.0
I42A	Draeger Farm, baz=302	29.61 89 P	P	01 55 07.3 -0.5
L41A	Preston baz=305	29.64 94 P	P	01 55 06.4 0.0
J42A	Columbus baz=303	29.79 91 P	P	01 55 08.0 +0.2
K42A	Prairie Point, baz=304	29.95 92 P	P	01 55 09.6 +0.4
M41A	Milan baz=306	30.02 95 P	P	01 55 10.6 +0.8
I43A	Langenfeld Bro baz=302	30.08 89 P	P	01 55 10.2 -0.2
N41A	Harden Midland comp=Z,46nm,1.0s	30.22 96 eP	P	01 55 12.1 +0.4
N41A	Harden Midland baz=307,SNR=7.1	30.22 96 P	P	01 55 11.7 +0.1
TUL1	Leonard baz=315	30.40 109 P	P	01 55 13.4 +0.2
O41A	Passleys Farm, baz=308	30.57 97 P	P	01 55 15.0 +0.3
NB2X	Ablene, Hawle baz=302			

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Table with columns: HKT, Hockley, 34.77 116 eP, P, 01 55 52.6 +1.2. Rows include Sharon Grove, M. Tay, Galdon, Aurora, Wavy, Cable, Holladay, Strider, Charl, Wiedeman Farm, Clarksville, Oxford, Oxford, Oxford, Oxford, Westpoint, Georgetown, Booneville, Pickwick Lake, Flagon Creek P, Flagon Creek P, Paris, Westpoint, Edmont, Williamsport, Winona, Peebles, Smith Brothers, Houston, Red Boiling Sp, Richmond, Russellville, Vicksburg, Vicksburg, Avery, Jackson, Hillsboro, Pulaski, Nancy, McMinnville, UCPARC, Winfie, Westbrook Farm, Bidwell, Beattyville, Hartselle, Jamestown, Little AP, Sta, Moraine State, Gray, Jasper, Linares, Woodville, Northport, Signal Mountai, La Follotte, Zatecates, Halle, Tazewell, Tazewell, Loudon, Big Creek Wild, Blount Mountai, Fort Payne, Cooper Cave, Schefferville, Cleveland, Thorn Hill, Lakeview Retre, Sevierville, Sevierville, Tuckaleechee C, Piedmont, Columbiana, Poplarville, Calhoun.

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Table with columns: X51A, 248A, 347A, LONY, 056A, U53A, 149A, W52A, W52A, Z50A, 447A, 249A, V53A, V53A, X52A, W53A, 150A, Z51A, 349A, BG3, BLA, 250A, 250A, Y52A, X53A, 151A, Z52A, Y53A, 251A, SEY, SEY, GOGA, Z53A, KMSC, Y54A, HODGE, R58B, Z54A, 253A, PET, PETK, PETK, PETK, NHSC, SUMG, SUMG, SUMG, SKR, SKR, SKR, SKR, DAG, DAG, YAK, YAK, YAK, YAK, YSS, NRIK, NRIK, ZEA, ZEA, ZEA, ZEA, KLR, H112, H113, H113, H113, ARCES, ARCES, BOD, BOD, H11S1, H11S2, H11S3, SGF, SGF, USRK, USRK, MSF, MSF, MSHR, TAOE, TAOE, OUL, OUL, HIA.

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Table with columns: HIA, MJAR, NC303, NB2, NB2, NOA, NOA, JOF, JOF, PRGR, PRGR, KS01, KSRS, KSAR, WJNJ, ROSC, ROSC, PUL, PUL, VSU, VSU, SONA1, SONM, OTAV, OTAV, PMOR, PMOR, NVS, ZALV, ZALV, ZALV, HVS, HVS, SVE, SVE, IIGN, IIGN, ARU, ARU, ARU, ARU, IDID, IDID, MEM, TIAR, PPT, PPT2, PPT2, PPT2, PAE, PAE, TVO, TVO, HHC, HHC, HHC, WLF, WLF, OBN, OBN, OBN, OBN, OBN, CLL, CLL, DGZ, DGZ, BRG, BRG, BRG, BRG, BRV, BRV, BRV, BRV, PVCC, PVCC, PVCC, PVCC, KURK, KURK, KURK, DPC, DPC, DPC, GPC, GPC, KRLC, KRLC, KHC, KHC, KHC, KHC, MORC, MORC, MORC, TREC, TREC, GERS, GERS, OKC, OKC, LPSR, LPSR, RKT.

Table with columns for station name, coordinates, and time. Includes stations like PSI Prapat, PPI Padang Panjang, KCSI Kotacane, etc.

Table with columns for station name, coordinates, and time. Includes stations like BWNR Bhubaneswar, WBSI Waikabak, MRSI Marisa, etc.

Table with columns for station name, coordinates, and time. Includes stations like XAN comp=Z,35nm,0.7s, XAN comp=Z,120nm,3.6s, etc.

Table with columns for station call letters, frequency, and various signal quality metrics (e.g., SNR, S/N, etc.).

Table with columns for station call letters, frequency, and various signal quality metrics (e.g., SNR, S/N, etc.).

Table with columns for station call letters, frequency, and various signal quality metrics (e.g., SNR, S/N, etc.).

Table with columns: COUNTRY, NAME, TIME, AZ, EL, DIST, BEARING, etc. Includes entries for Casey, Tokat, Bunyan, Novokhopovsk, Lefkose, etc.

Table with columns: COUNTRY, NAME, TIME, AZ, EL, DIST, BEARING, etc. Includes entries for Muntele Rosu, Muntele Rosu, Blicaz, etc.

Table with columns: COUNTRY, NAME, TIME, AZ, EL, DIST, BEARING, etc. Includes entries for Vanda, Panska Ves, Panska Ves, etc.

Table with columns: MDT, EBY, TPK, PPT2, A04D, D03D, B05A, D04E, E04D, TAOE, H04D, J01E, I03D, NEW, NEW, G05D, HAWA, K02D, I04A, I05D, L02E, J04E, SCHO, J05D, L04D, K04D, YBH, M02C, N02D, O02D, M02C, O03E, EGMT, WVOR, BOZ, BOZ, HLID, ULM, LAO, RLMT, H17A, NVAR, NVAR, MLCAC, MDND, SMMC, YES, CWC, HWUT, PDAR, PDAR, GRAC, R11A, ISA, ARVC, DUG, MPMC, FURC, TPNV, BLG, EYMN, LRM, SNCC, EDW2, RSSD, C40A, K22A, SHOC, GSC, BFC, TUQ, D41A, BBRC, HEC, D54A, MURC, E39A, E40A

Table with columns: GMRC, O20A, FRD, PFO, F37A, TPFO, BELC, F39A, F40A, E53A, MONP2, IRM, BC3, G39A, G38A, IKP, G40A, PDMC, ECSD, Y12C, H39A, ISCO, GLA, H40A, I39A, MVCO, I40A, J39A, S22A, J41A, BGNE, W18A, SDCO, K42A, 214A, K46A, L43A, BINY, TUC, L46A, L49A, ANMO, ANMO, M44A, SSPA, 121A, P41A, O47A, O48A, O49A, PLCA, PLCA, O50A, P46A, Q41A, Q42A, P47A, P50A, P49A, Q43A, P48A, Q45A, MSTX, Q48A, Q51A, Q52A, R45A, MNTX, R47A, T40A, R50A, S45A, S48A, T44A, S52A, S51A

Table with columns: T46A, T47A, T48A, T50A, T51A, V42A, U47A, U48A, ABTX, U50A, V46A, MIAR, MIAR, X40A, TXAR, TXAR, TXAR, X41A, Y40A, V53A, W46A, W47A, BDFB, W48A, X44A, Y41A, W49A, W51A, WHTX, OXF, W53A, X45A, W52A, X46A, KMCO, Y42A, Z40A, Y43A, X47A, JCT, JCT, JCT, Y44A, Z41A, X48A, X49A, X51A, X52A, Y50B, Z42A, Y46A, X53A, 140A, Z43A, Y47A, Y48A, Z41A, 435B, Z45A, Y49A, Y50A, Y51A, NATX, NATX, 240A, 143A, 142A, Y52A, Y53A, Z46A, Y54A, Z48A, Z47A, CPUP, 241A, 144A, 242A, Z49A, Z50A, Z51A, GOGA

29d 2h

Table with columns: Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like GOGA Godfrey, LRAL Lakeview, 146A Union, 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 ROSC El Rosal, OTAV Otavalo, ISJCJB 02:02:45, etc.

1480

Table with columns: Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like QLMT Earthquake, VCNR Virginia, BMK Battie Mountain, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KVAR Kislodovsk Arr, KBZ Khabaz, BRTR Keskin Array B, etc.

ISCJB 29 02:44:48.3, 1.9, 53.2N; 0.4, 131.3W; 0.2, h10km, mb3.3/1, Error ellipse: s-maj=64.3km s-min=7.1km az=16.9

ISC 29 02:44:48.6, 1.7, 53.07N; 131.28W, h0km, mb3.4/1, mb1 3.9/4, mb1mx3.4/48, mbtmp3.5/4, ML3.8/3, Error ellipse: s-maj=86.1km s-min=6.7km az=19.0

ISC 29 02:44:49.4, 1.6, 53.13N; 131.3W; 0.2, h10km, n12, $\sigma=90.7$, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H02S1 DAWSON INLET T, H02S1 VAN INLET T-PH, H02N1 Bella Bella, etc.

ISC 29 02:45:45.6, 1.0, 52.43N; 132.58W, h0km, mb4.0/5, mb1 3.9/9, mb1mx3.6/49, mbtmp3.7/9, ML3.5/3, Error ellipse: s-maj=21.1km s-min=8.6km az=88.0

NEIC 29 02:45:47.9, 0.6, 52.23N; 132.84W, h10km, mb4.1/4, Error ellipse: s-maj=16.6km s-min=5.8km az=49.0

ISC 29 02:45:47.5, 0.7, 52.59N; 132.3W; 0.1, h10km, n35, $\sigma=207.31$, mb4.0/5, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H02S1 DAWSON INLET T, H02S1 VAN INLET T-PH, H02N1 Bella Bella, etc.

ISC 29 02:46:42.8, 15.0, 53.08N; 133.90W, h0km, mb3.7/1, mb1 4.1/3, mb1mx3.4/48, mbtmp3.6/3, ML3.8/2, Error ellipse: s-maj=222.7km s-min=161.0km az=113.0, Queen Charlotte Islands region

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

ISC 29 02:49:40.9, 1.9, 52.21N; 132.79W, h0km, mb3.6/1, mb1 3.9/6, mb1mx3.5/51, mbtmp3.5/6, ML4.4, MS3.3/1, Ms1 3.3/1, ms1mx2.4/56, Error ellipse: s-maj=26.2km s-min=15.3km az=35.0

ISCJB 29 02:49:42.7, 1.2, 52.32N; 0.1, 132.3W; 0.2, h18km, mb3.5/1, MS3.4/1, Error ellipse: s-maj=19.0km s-min=10.6km az=41.7

ISC 29 02:49:44.5, 1.5, 52.33N; 0.1, 132.3W; 0.1, h18km, n7, $\sigma=61.7$, Queen Charlotte Islands region

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

0.8nm, 0.9s, baz=320, slow=8.3, SNR=5.3
USRK Ussuriysk Arr. 59.73 304 LR 03 25 18.5
comp=Z.25nm, 20.1s, baz=91, slow=36

IDC 29 03:06:00.9, 2.7, 52.27N; 132.58W, h0km, mb3.3/1, mb1 3.6/5, mb1mx3.4/44, mbtmp3.3/5, ML3.5/4, Error ellipse: s-maj=37.5km s-min=21.5km az=61.0, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BBB Bella Bella, DLBC Dease Lake, NVAR Mina Array Bea, etc.

ISCJB 29 03:09:01.6, 1.0, 52.53N; 0.08, 133.2W; 0.1, h10km, mb3.5/4, MS4.5/1, Error ellipse: s-maj=15.7km s-min=8.8km az=142.5

IDC 29 03:09:02.0, 1.2, 52.52N; 133.00W, h0km, mb3.6/4, mb1 3.8/9, mb1mx3.6/45, mbtmp3.5/9, ML3.7/3, MS3.6/2, Ms1 3.6/2, ms1mx2.7/52, Error ellipse: s-maj=20.3km s-min=9.0km az=98.0

PGC 29 03:09:03.9, 52.54N; 132.52W, h30km, 91km southwest of Sandspit, Bc Haida Gwaii Region

ISC 29 03:09:04.0, 1.2, 52.56N; 0.10, 132.8W; 0.1, h10km, n12, $\sigma=91.12$, mb3.6/4, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, H02N1 Bella Bella, etc.

IDC 29 03:11:30.1, 1.2, 51.26N; 138.09E, h0km, mb3.6/6, mb1 3.8/6, mb1mx3.6/53, mbtmp3.6/6, MS3.0/2, Ms1 3.0/2, ms1mx2.5/42, Error ellipse: s-maj=41.1km s-min=21.3km az=83.0, Western Caroline Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GUMU Guam, JAY Jayapura, JOW Kunigami, etc.

PGC 29 03:25:51.2, 51.81N; 132.47W, h30km, 166km Ssw of Sandspit, Bc Haida Gwaii Region

IDC 29 03:25:57.0, 1.6, 52.35N; 132.82W, h0km, mb3.7/2, mb1 3.8/8, mb1mx3.5/60, mbtmp3.5/8, ML3.6/6, Error ellipse: s-maj=22.5km s-min=8.8km az=80.0

ISC 29 03:26:00.3, 1.3, 52.55N; 0.1, 132.4W; 0.1, h18km, n17, $\sigma=290.12$, mb3.6/3, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, H02N1 Bella Bella, etc.

Error ellipse: s-maj=21.0km s-min=10.6km az=66.0
ISC 29 03:32:24.3, 0.7, 3.08N; 0.09, 126.98E; 0.09, h44km, n31, $\sigma=1507.29$, mb4.2/10, MS3.2/4, Talau Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SSGI Sangihe, SSGI Prapat, TNTI Ternate, etc.

IDC 29 03:47:50.4, 0.7, 52.24N; 132.49W, h0km, mb3.9/16, mb1 4.1/23, mb1mx4.0/52, mbtmp3.9/23, ML3.8/7, MS3.4/8, Ms1 3.4/8, ms1mx3.1/40, Error ellipse: s-maj=12.7km s-min=8.0km az=40.0

ISCJB 29 03:47:53.0, 0.2, 52.46N; 0.03, 132.21W; 0.05, h18km, mb4.1/51, MS3.4/2, Error ellipse: s-maj=5.7km s-min=1.8km az=144.6

PGC 29 03:47:53.1, 52.42N; 132.42W, h16km, 100km southwest of Sandspit, Bc Haida Gwaii Region

NEIC 29 03:47:55.0, 0.2, 52.49N; 132.16W, h10km, mb4.1/91, Error ellipse: s-maj=8.4km s-min=2.0km az=53.0

ISC 29 03:47:54.9, 0.5, 52.44N; 0.05, 132.28W; 0.06, h18km, n324, $\sigma=194.31$, mb4.2/51, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DIB Dawson Inlet, H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AKASG Malin Array Be, MKAR Makanchi Array, ESDC Sonseca Array, WMQ Urumqi, LZH Lanzhou, BRTR Keskin Array B, LPAZ La Paz, VNA3 Neumayer Olymp, VNA2 Neumayer-Watz.

ISCJB 29 04:05:32.7.1.1.52'.42N.0.09:132'.44W.0.2, h10km, mb3.7/2, Error ellipse: s-maj=17.0km s-min=7.7km az=140.8

IDC 29 03:50:32.8.1.6.52'.42N.132'.32W, h0km, mb3.8/2, mb1.4/1.8, mb1mx3.7/5.3, mbtmp3.7/8, ML3.5/6, Error ellipse: s-maj=19.8km s-min=7.0km az=70.0

ISC 29 03:50:34.4.1.3.52'.55N.0.1:132'.1W.0.1, h10km, n11, c=150/111, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, H02N1 Bella Bella, DLBC Dease Lake, YKA Yellowknife Arr, ILAR Eielson Array, INK Inuvik, NVAR Mina Array Bea, PDAR Pinedale Array, TXAR Lajitas Array, ZALV Zalesov Beam.

IDC 29 03:52:15.3.2.3.50'.75N.133'.93W, h0km, mb3.6/2, mb1.4/0.5, mb1mx3.6/5.4, mbtmp3.7/5, ML3.4/3, MS2.8/1, Ms1.2/8.1, ms1mx2.5/3.6, Error ellipse: s-maj=52.1km s-min=27.5km az=51.0, West of Vancouver Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NEW Newport, ILAR Eielson Array, YKA Yellowknife Arr, PDAR Pinedale Array, TXAR Lajitas Array, ZALV Zalesov Beam.

IDC 29 03:54:52.4.1.1.0, 18.01S:178'.02W, h550km, 101km, mb3.1/5, mb1.3/3.5, mb1mx2.9/4.9, mbtmp4.1/5, Error ellipse: s-maj=119.8km s-min=41.5km az=129.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CTA Charters Tower, STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, BRTR Keskin Array B.

IDC 29 04:06:08.2.0.8.52'.38N.132'.38W, h0km, mb3.9/15, mb1.4/0.2, mb1mx4.0/4.2, mbtmp3.9/2.1, ML3.7/6, MS3.8/2.1, Ms1.3/8.2, ms1mx3.6/4.2, Error ellipse: s-maj=14.1km s-min=9.1km az=37.0

PGC 29 04:06:09.3.0.3.0.52'.34N.132'.48W, h0km, 92km, 111km southwest of Sandspit, Ba Haida Gwaii Region

ISCJB 29 04:06:11.2.0.4.52'.64N.0.05:132'.03W.0.10, h18km, mb3.8/15, MS3.9/16, Error ellipse: s-maj=10.2km s-min=4.5km az=139.3

ISC 29 04:06:12.1.0.6.52'.55N.0.08:132'.25W.0.08, h18km, n95, c=181/73, mb3.9/15, MS3.8/16, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, BBB Bella Bella, BBB Mina Array Bea, DLBC Dease Lake, A04D Lummi Island, B05A Bryant, H04D Lebanon, I03D Drain, I05A Tendick Farm, J04D Fort Rock, KDAK Kodiak Island, M04C Macdoel, MSO Mitsoula, N02D Trinity Center, YKA Yellowknife Arr, O02D Mt. Diablo Mer, HDA Harding Lake.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ILAR Eielson Array, TCOL CIGO, JAF Yank, HLD Hailey, EGMET Eagleton, INK Inuvik, NVAR Mina Array Bea, NVAR Boulder Array, PDAR Pinedale Array, TOLK Toolik Lake Res, DUG Dugway, R11A Troy Canyon, GRAC Grapevine Rang, CWC Cottonwood Cre, PNCV Topnotch Spring, ISA Isabella, Lake, MPMC Minto Prospec, PKM Mcherson Peak, LRMC Laurel Mtn Rad, O20A White River Ci, HEC Hector Ludlow, N23A Red Feather La, BELC Belle Mtn. Jos, PDMCI Paradise Lak, ULM Lac du Bonnet, MONP2 Monument Peak, S22A 4UR Ranch, CRe 23.08 120 P, DCOO Great Sand Dune, KSCO Kaye Shedlock, ECSD EROS Data Cent, ANMO Albuquerque, ANMO Albuquerque, EYMN Ely, RES Resolute Bay, RES Resolute Bay, J39A Decorah, WMOK Wichita Moun, TXAR Lajitas Array, R41A Rosebud, V39A Pettigrew, U40A Yellville, V40A Witts Springs, V41A Mountainview, P45A Graceland, Par, R47A Woolly Knot Far, S48A Wiedeman Farm, 244A Avery, Jackson, SCHO Schefferville, V52A Sullivanville, W53A Cullowhee, SEY Seymourhan, PETK Petrovlovsk, PETK Petrovlovsk, NRIK Norilsk, H1N2 WAKE ISLAND Hy, H1N3 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, H1S1 WAKE ISLAND Hy, H1S2 WAKE ISLAND Hy, H1S3 WAKE ISLAND Hy, TAOE Nuku Hiva Isla, NOA NORSAR Array B, KRSR Kora Array, PMOR Pomarioro Ree, ZALV Zalesov Beam, ZALV Zalesov Beam, TIAR Tiarei, PPT Papeete, PPT2 Papeete2, GERES GERES Array B, GERES GERES, RKT Rikitea, AKASG Malin Array Be, AKASG Malin Array Be, MKAR Makanchi Array, MKAR Makanchi Array, TBI Tubau, ESDC Sonseca Array, KBZ Khabaz, KEST Kesra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BRTR Keskin Array B, LPAZ La Paz, GEYT Alibeck, BZM Dzumac, DOSA Bella, DOSA Bella.

ISCJB 29 04:19:50.4.0.8.53'.45N.0.10:131'.60W.0.09, h10km, mb3.5/1, MS3.4/3, Error ellipse: s-maj=13.8km s-min=7.8km az=9.0

IDC 29 04:19:50.6.1.1.53'.46N.131'.55W, h0km, mb3.6/1, mb1.3/3.5, mb1mx3.3/3.4, mbtmp3.1/5, ML3.1/4, MS3.3/4, Ms1.3/3.4, ms1mx2.7/4.4, Error ellipse: s-maj=16.8km s-min=6.7km az=170.0

PGC 29 04:19:54.4.52'.67N.132'.10W, h19km, 67km Ssw of Sandspit, Ba Haida Gwaii Region

ISC 29 04:19:51.2.1.1.53'.30N.0.1:131'.76W.0.06, h10km, n11, c=89/89, MS3.6/3, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, H02N1 Bella Bella, BBB Bella Bella, DLBC Dease Lake, KDAK Kodiak Island, NVAR Mina Array Bea, PDAR Pinedale Array, TXAR Lajitas Array, FRB Froisher Bay, PETK Petrovlovsk, PETG Pitinga.

ISCJB 29 04:25:15.3.0.2.36'.54N.0.0:121'.26W.0.02, h10km, mb3.7/3, Error ellipse: s-maj=2.7km s-min=1.5km az=145.1

NEIC 29 04:25:16.3.0.0.36'.59N.121'.20W, h9km, MW3.9(BRK), After NCECD.

NEIC Felt (V) at Gonzales and (II) at Capitola, Hollister, Paicines, San Martin and Soquel and in parts of Monterey County. Felt at Fresno, San Francisco and Stockton and in parts of Marin, San Benito, San Mateo, Santa Clara, Santa Cruz and Tulare Counties.

IDC 29 04:25:17.2.1.4.36'.64N.121'.10W, h0km, mb3.8/3, mb1.3/7.9, mb1mx3.6/4.1, mbtmp3.4/9, ML3.3/6, MS3.1/4, Ms1.3/1.4, ms1mx2.7/4.9, Error ellipse: s-maj=17.4km s-min=13.3km az=19.0

ISC 29 04:25:17.0.0.6.36'.58N.0.02:121'.19W.0.02, h10km, n207, c=177/229, mb3.8/3, Central California

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BBGB Big Mountain B, JHC Johnson Canyon, SHG Shirttail Gully, LRV Little Rabbit, BVYM Vineyard, BSMM Soledad Missio, SAO San Andreas Ge, BSRM Salinas Radio, HSFM Saint Francis, BPCNC Pine Canyon, LRC Lone Oak Road, BRMM Rolling Bench, HBTM San Bauti, BCWM Chews Ridge, HTUM Tustin Road, PMPB Monarch Peak, HPCM Pacheco Lake, PCCM Crazy Creek, SLD San Luis Dam, HSLM San Luis Dam, HCOM Corn Cob Canyon, GHS Gilroy Hot Spr, BPOM Post Ranch, PMPB Monarch Peak, PJUM Juniper Ridge, JELB Ellicott, Sant, PAMP Alder Peak, PSMH Smith Mountain, JLAB Laurel Hill, PHSB Hesperia Broad, PPHM Hope Ranch, JUCM University of, PANM San Antonio Re, PPO Portuguese Can, RPTM Stockport Moun, JJOM Saint Joseph's, PHCM Hearst Castle, CMMH Mount Mocho, PHFM Heflinger Ranc, CTM Castle Mountai, GHC Gold Hill, MYLM Yosemite Lake, PKLM Kerr Lake, PCBM Cambria, PMRM Alexander Ranch, ARDC Arroyo Ranch, PABC Antelope Grade, CVLM Vallecito, MHDH Hidden Dam, PTAM Tassajara Cree, FRI Friant, PHSD Los Osos Dagit, PBPM Bitterwater Pu, CLCB Lake Chabot, SAC San Andreas, MMIM Miami Mountain, JSBM San Bruno Moun, H02S1 DAWSON INLET T, CVPM Volmer Peak, JPRM Presidio de Sa, JCM Columbia Colle, CMB, SMMC Simmler, SMMC, MNHB New Hogan Dam, PH Grand Mountai, CPMM Point Molate, VES Vestal, Richgr, VES Vestal, Richgr, VES Vestal, Richgr, SNT Sears Point, NADM Allendale, MRDM Red Cones, MDPB Devils Postpil, PKM Mcherson Peak, PKM Mcherson Peak, PKM Mcherson Peak, YKA Yellowknife Arr, OMMB Old Mammoth M, MDMY Dry Creek

Table with columns: MDCM, Deadman Creek, 2.06 56 ePn, Pn, 04 25 52.0 +0.1, etc. Includes stations like MDCM, MCMC, MLCM, etc.

Table with columns: MONP2, Monument Peak, 5.38 132 P, Pn, 04 26 36.5 -1.0, etc. Includes stations like MONP2, BAR, IRM, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SIUC Southern Illin, CCM Cathedral Cave, ANMO Albuquerque, etc.

PGC 29 05:32:52.2 52.30N, 132.33W, h18km, 111km Ssw of Sandspit, Bc Haida Gwaii Region

ISC 29 05:32:52.4 0.9 52.36N, 132.01W, h0km, mb3.9/8, mb1 3.0/3, ms1mx2.5/62, Error ellipse: s-maj=14.2km

ISC 29 05:32:53.7 0.8 52.44N, 131.9W, 0.2, h18km, mb3.9/8, MS3.2/1, Error ellipse: s-maj=17.5km

ISC 29 05:32:55.4 0.9 52.52N, 131.96W, 0.10, h18km, n25, r=144/19, mb4.0/8, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H02S1 DAWSON INLET T, H02S1 Bella Bella, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H11N1 WAKE ISLAND Hy 57.46 259, H11S1 WAKE ISLAND Hy 58.50 259, etc.

ISC 29 05:44:20.6 1.2 52.59N, 133.13W, 1.0, h10km, mb3.5/3, Error ellipse: s-maj=15.7km s-min=9.2km

ISC 29 05:44:21.3 1.3 52.62N, 132.98W, h0km, mb3.6/3, mb1 3.6/7, mb1mx3.4/56, mbtmp3.3/7, ML3.4/4, Error ellipse: s-maj=13.0km s-min=8.7km az=87.0

PGC 29 05:44:28.2 53.02N, 132.41W, h23km, 47km Wsw of Sandspit, Bc Haida Gwaii Region

ISC 29 05:44:22.4 1.3 52.61N, 133.0W, 0.1, h10km, n9, r=136/10, mb3.6/3, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H02S1 DAWSON INLET T, H02S1 VAN INLET T-PH, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JIO Ouri, OFUJ Ofunato, JMK Ichinoseki, etc.

NIED 29 05:47:00.38, 40N, 142.90E, h14km, Mw3.7, Best double couple: M3.70000x1014 NP1:291.00000, 842.00000, lambda=120.00000, NP2:149.00000, 555.00000, lambda=66.00000

ISC 29 05:47:43.5 2.4, 38.55N, 143.37E, h0km, mb3.7/4, mb1 3.8/5, mb1mx3.5/50, mbtmp3.6/5, ML3.7/1, Error ellipse: s-maj=27.1km az=64.0

ISC 29 05:47:42.1 3.8, 38.14N, 142.95E, 0.08, h21km, 11km, mb3.7/4, Error ellipse: s-maj=11.0km s-min=8.7km az=164.9

JMA 29 05:47:47.4 0.2, 38.44N, 142.86E, h13km, 3km, M3.6, Error ellipse: s-maj=22.0km az=64.0

ISC 29 05:47:45.9 3.6, 38.49N, 142.94E, 0.09, h5km, 23km, n24, r=149/26, mb3.8/4, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OFUJ Ofunato, JIO Ouri, JMK Ichinoseki, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JMM, JFK, JRJ, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like YBH, SUA, M02C, etc.

PGC 29 06:03:50.4, 52.83N, 132.35W, h14km, 59km southwest of Sandspit, Bc Haida Gwaii Region

PGC 29 06:03:50.4, 52.83N, 132.35W, h14km, 59km southwest of Sandspit, Bc Haida Gwaii Region

PGC 29 06:03:50.4, 52.83N, 132.35W, h14km, 59km southwest of Sandspit, Bc Haida Gwaii Region

ISCJB 29 05:50:09.8, 0.8, 52.22N, 0.1, 131.37W, 0.2, h23km, mb3.4/3, MS3.6/1, Error ellipse: s-maj=2.1km s-min=1.8km az=142.3

ISCJB 29 06:03:52.6, 0.1, 52.98N, 0.02, 132.32W, 0.04, h22km, mb4.3/3, MS4.1/2, Error ellipse: s-maj=4.5km s-min=1.6km az=140.1

ISCJB 29 06:03:52.6, 0.1, 52.98N, 0.02, 132.32W, 0.04, h22km, mb4.3/3, MS4.1/2, Error ellipse: s-maj=4.5km s-min=1.6km az=140.1

ISC 29 05:10:50.1, 0.5, 52.22N, 0.1, 131.5W, 0.1, h23km, n19, a156/11, mb3.5/3, Queen Charlotte Islands region

NEIC 29 06:03:53.2, 0.2, 52.94N, 132.40W, h10km, mb4.2/1/33, Error ellipse: s-maj=5.4km s-min=1.7km az=48.0

NEIC 29 06:03:53.2, 0.2, 52.94N, 132.40W, h10km, mb4.2/1/33, Error ellipse: s-maj=5.4km s-min=1.7km az=48.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like H02S1, H02S1, BBB, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DIB, DIB, H02S1, etc.

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

ISCJB 29 05:54:50.8, 0.6, 36.99N, 0.03, 29.84E, 0.04, h1km, 8km, Error ellipse: s-maj=5.9km s-min=4.9km az=171.3

ISCJB 29 05:54:50.8, 0.6, 36.99N, 0.03, 29.84E, 0.04, h1km, 8km, Error ellipse: s-maj=5.9km s-min=4.9km az=171.3

ISCJB 29 05:54:50.8, 0.6, 36.99N, 0.03, 29.84E, 0.04, h1km, 8km, Error ellipse: s-maj=5.9km s-min=4.9km az=171.3

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

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

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

PGC 29 05:58:39.6, 1.1, 52.44N, 133.00W, h30km, 1km, 120km southwest of Sandspit, Bc Haida Gwaii Region

PGC 29 05:58:39.6, 1.1, 52.44N, 133.00W, h30km, 1km, 120km southwest of Sandspit, Bc Haida Gwaii Region

PGC 29 05:58:39.6, 1.1, 52.44N, 133.00W, h30km, 1km, 120km southwest of Sandspit, Bc Haida Gwaii Region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like H02S1, H02S1, H02N1, etc.

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

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

DGMT	Dagmar	18.30	93	P	P	06 08 06.6	-0.2
DUG	Dugway, Tooele	18.45	126	eP	P	06 08 08.8	+0.2
DUG	Dugway, Tooele	18.45	126	P	P	06 08 08.0	-0.6
TCUT	Toone Canyon	18.46	122	eP	Pn	06 08 13.9	+4.9
R11A	Troy Canyon, C	18.66	135	eP	P	06 08 11.3	+0.3
R11A	Troy Canyon, C	18.66	135	P	P	06 08 10.0	-1.0
TIN	Tinemaha, Big	18.73	143	P	Pn	06 08 12.5	+0.4
NLU	North Lily Min	19.00	125	eP	Pn	06 08 15.4	0.0
GRAC	Grapevine Rang	19.10	141	P	Pn	06 08 16.4	-0.2
PRGB	Antelope Grade	19.24	149	eP	P	06 08 18.8	+0.6
PSUT	Pine Spring	19.27	131	eP	P	06 08 18.4	+0.7
CWC	Cottonwood Cre	19.33	143	P	P	06 08 18.8	+0.6
YES	Vestal, Richgr	19.51	146	P	P	06 08 20.7	+0.6
TPNV	Topopah Spring	19.58	139	eP	P	06 08 21.9	+0.9
TPNV	Topopah Spring	19.58	139	P	P	06 08 21.3	+0.3
DAC	Darwin (Calif)	19.65	142	eP	P	06 08 22.8	+0.9
SMCC	Simmler	19.70	149	P	P	06 08 22.9	+0.7
FURC	Furnace Creek,	19.76	141	P	P	06 08 23.3	+0.5
MPMC	Manual Prospect	19.88	142	P	P	06 08 24.3	-0.1
ISA	Isabella, Lake	19.88	145	eP	P	06 08 24.9	+0.6
ISA	Isabella, Lake	19.88	145	P	P	06 08 24.5	+0.3
TMUT	Trail Mountain	19.93	125	eP	Pn	06 08 27.0	+0.3
P17A	Butcher Ranch,	20.03	124	eP	Pn	06 08 27.1	-0.6
K22A	Casper	20.06	111	eP	P	06 08 26.9	+0.7
K22A	Casper	20.06	111	P	P	06 08 26.4	+0.2
MSU	Marysvale	20.07	128	eP	Pn	06 08 27.7	-0.6
PKM	Mcperson Peak	20.15	149	P	P	06 08 27.8	+0.5
P18A	Preston Nutter	20.16	123	eP	Pn	06 08 29.1	-0.4
CCUT	Cedar City	20.30	132	eP	P	06 08 29.8	+0.8
LRMC	Laurel Mtn Rad	20.33	144	P	P	06 08 30.1	+0.9
SZCU	Shurtz Canyon	20.39	131	eP	P	06 08 30.6	+0.7
SHPR	Sheep Range	20.40	137	eP	P	06 08 30.1	+0.1
ANM	Nome	20.41	318	eP	Pn	06 08 31.9	+0.1
SRU	San Rafael Swe	20.41	124	eP	Pn	06 08 31.7	-0.5
MTPU	Mount Pierson	20.44	129	eP	P	06 08 31.9	+1.3
RSSD	Black Hills	20.60	104	eP	P	06 08 33.5	+1.4
RSSD	Black Hills	20.60	104	P	P	06 08 32.6	+0.5
LCMT	Little Creek M	20.80	133	eP	P	06 08 35.0	+0.8
GSC	Goldstone, Bar	20.81	142	eP	P	06 08 35.2	+0.9
GSC	Goldstone, Bar	20.81	142	P	P	06 08 34.8	+0.5
O20A	White River Ci	20.83	118	eP	P	06 08 35.5	+0.8
O20A	White River Ci	20.83	118	P	P	06 08 35.2	+0.5
PKCU	Pink Cliffs	20.87	130	eP	P	06 08 36.3	+1.2
KNB	Kanab	20.98	132	eP	Pn	06 08 38.6	-0.3
TUQ	Turquoise Moun	21.02	140	P	P	06 08 37.1	+0.4
BLG	Laguna Peak, P	21.11	148	P	P	06 08 37.4	0.0
MWC	Mount Wilson	21.33	146	eP	P	06 08 40.8	+0.8
PASC	Pasadena Art C	21.34	146	eP	P	06 08 40.6	+0.7
MDND	Maddock	21.35	91	eP	P	06 08 41.6	+1.7
MDND	Maddock	21.35	91	P	P	06 08 40.7	+0.8
HEC	Hector Ludlow	21.40	142	P	P	06 08 41.4	+0.7
BFSC	Mount Baldy Ra	21.45	145	P	P	06 08 41.8	+0.5
N23A	Red Feather La	21.55	114	eP	P	06 08 42.8	+0.4
N23A	Red Feather La	21.55	114	P	P	06 08 41.3	-1.1
PV09	Paradox Valley	21.58	123	eP	P	06 08 44.0	+1.2
PV21	Cone Mtn, Par	21.61	123	eP	P	06 08 45.2	+2.0
LDFC	Landfair	21.66	139	eP	P	06 08 46.2	+2.8
PV23	Carpenter Ridg	21.68	123	eP	P	06 08 45.0	+1.1
BBRC	Big Bear Solar	21.69	144	P	P	06 08 44.1	+0.1
GMRC	Granite Mounta	21.70	140	P	P	06 08 43.5	-0.4
U15A	North Rim	21.71	132	eP	P	06 08 44.9	+0.7
PV10	Paradox Valley	21.72	123	eP	P	06 08 45.4	+1.1
PV22	Blue Mesa, Par	21.73	122	eP	P	06 08 45.3	+1.0
PV14	Lion Creek, Pa	21.78	123	eP	P	06 08 44.4	0.0
PV20	West Nyswonger	21.78	123	eP	P	06 08 46.2	+1.3
PV19	Morning Glory	21.80	123	eP	P	06 08 45.2	+0.1
PV16	Nyswonger Mesa	21.83	123	eP	P	06 08 45.9	+0.4
PV17	East Wray Mesa	21.84	123	eP	P	06 08 45.6	+0.2
NIKH	Nikolski High	21.85	285	eP	P	06 08 44.8	-0.5
PV11	David Mesa, Pa	21.86	123	eP	P	06 08 46.0	+0.2
PV12	Saucer Basin,	21.89	123	eP	P	06 08 46.3	+0.3
PV18	Skein Mesa, Pa	21.89	123	eP	P	06 08 45.9	-0.2
PV03	Paradox Valley	21.91	123	eP	P	06 08 46.0	-0.3
PV05	Paradox Valley	21.92	124	eP	P	06 08 46.9	+0.5
PV13	Radium Mtn., P	22.00	123	eP	P	06 08 47.1	-0.1
PV02	Paradox Valley	22.00	123	eP	P	06 08 47.5	+0.2
PV13A	Hualapai Mount	22.14	137	eP	P	06 08 49.0	+0.3
W301	Paradox Valley	22.14	123	eP	P	06 08 49.1	+0.3
MURC	Murrieta	22.20	145	P	P	06 08 49.6	+0.5
SMCO	Snowmass	22.20	118	eP	P	06 08 49.9	+0.3
BELC	Belle Mtn Jos	22.27	142	P	P	06 08 50.1	0.0
SC12	San Clemente I	22.31	148	P	P	06 08 51.5	+1.1
PFO	Pinyon Flats O	22.45	143	eP	P	06 08 51.5	-0.4
PFO	Pinyon Flats O	22.45	143	P	P	06 08 51.7	-0.3
XPFO	Pinyon Flat	22.45	143	eP	P	06 08 51.6	-0.3
IRM	Iron Mountain	22.45	140	P	P	06 08 52.9	+1.0
TPFO	Pinon Flats	22.45	143	P	P	06 08 51.8	-0.3

ISCO	Idaho Springs	22.49	115	eP	P	06 08 54.2	+1.7
ISCO	Idaho Springs	22.49	115	P	P	06 08 53.1	+0.5
FRD	Fort Ranch, An	22.50	144	P	P	06 08 52.8	+0.3
ULM	Lac du Bonnet	22.64	82	P	P	06 08 53.6	-0.1
ULM	Lac du Bonnet	22.64	82	P	P	06 18 12.0	
ULM	comp=Z,423nm,20.4s,baz=287,slow=38	22.64	82	eP	LR	06 08 55.4	+1.7
PDMCI	Parker Dam,Lak	22.72	138	P	P	06 08 55.3	+0.6
BC3	Big Chuckawall	22.78	141	P	P	06 08 54.5	-1.0
WUAZ	Wupatki	22.88	131	eP	P	06 08 58.3	+1.8
WUAZ	Wupatki	22.88	131	P	P	06 08 56.7	+0.2
MVCO	Mesa Verde	22.89	124	eP	P	06 08 56.8	0.0
MVCO	Mesa Verde	22.89	124	P	P	06 08 56.6	-0.2
Y12C	Blythe	23.05	139	eP	P	06 08 58.2	0.0
Y12C	Blythe	23.05	139	P	P	06 08 58.4	+0.2
MONP2	Monument Peak	23.11	144	P	P	06 08 58.4	-0.6
BAR	Barrett	23.21	145	eP	P	06 08 58.7	-1.1
SWSC	Sam W. Stewart	23.28	143	P	P	06 08 60.0	-0.5
Q24A	Divide	23.33	116	eP	P	06 09 00.2	-1.2
Q24A	Divide	23.33	116	P	P	06 09 00.5	-0.9
S22A	4UR Ranch, Cre	23.34	121	eP	P	06 09 01.6	+0.2
S22A	4UR Ranch, Cre	23.34	121	P	P	06 09 00.9	-0.4
AGMN	Agassiz Nation	23.41	87	eP	P	06 09 02.7	+1.0
AGMN	Agassiz Nation	23.41	87	P	P	06 09 01.4	-0.3
IKP	In-Ko-Pah, Jac	23.44	144	P	P	06 09 01.6	-0.5
Y14A	Wickenburg	23.50	136	eP	P	06 09 03.3	+0.6
GLA	Glamis	23.55	141	eP	P	06 09 03.2	0.0
GLA	Glamis	23.55	141	P	P	06 09 02.6	-0.6
OGNE	Ogallala	23.72	108	eP	P	06 09 05.9	+1.0
OGNE	Ogallala	23.72	108	P	P	06 09 04.0	-0.8
X16A	Loa Camp, P	23.77	133	eP	P	06 09 06.8	+1.4
W18A	Petrified Fore	23.96	129	eP	P	06 09 07.7	+0.4
W18A	Petrified Fore	23.96	129	P	P	06 09 07.5	-0.1
SDCO	Great Sand Dun	24.03	119	eP	P	06 09 08.5	+0.5
SDCO	Great Sand Dun	24.03	119	P	P	06 09 07.9	-0.2
113A	Mohawk Valley,	24.21	139	eP	P	06 09 10.1	+0.7
X18A	Snowflake	24.35	130	eP	P	06 09 10.7	-0.1
KSCO	Kaye Shedlock'	24.69	113	eP	P	06 09 14.5	+0.6
KSCO	Kaye Shedlock'	24.69	113	P	P	06 09 14.2	+0.3
T25A	Trinidad	25.06	118	eP	P	06 09 17.2	-0.1
T25A	Trinidad	25.06	118	P	P	06 09 16.7	-0.6
ECSD	EROS Data Cent	25.23	97	eP	P	06 09 18.9	+0.4
ECSD	EROS Data Cent	25.23	97	P	P	06 09 18.3	-0.2
214A	Organ Pipe Nat	25.31	138	P	P	06 09 20.3	+1.0
ANMO	Albuquerque	25.69	124	P	P	06 09 22.4	-0.6
ANMO	Albuquerque	25.69	124	eP	P	06 09 23.0	0.0
ANMO	Albuquerque	25.69	124	P	P	06 09 22.8	-0.2
BGNE	Begrade	25.69	103	eP	P	06 09 23.3	+0.6
LAC	Tucson	25.79	126	eP	P	06 09 26.2	+2.3
TUC	Tucson	25.85	135	eP	P	06 09 24.4	+0.2
TUC	Tucson	25.85	135	P	P	06 09 24.4	+0.1
LENN	Lemitar	26.06	126	eP	P	06 09 26.7	+0.3
EYMN	Ely	26.20	84	eP	P	06 09 27.8	+0.4
EYMN	Ely	26.20	84	P	P	06 09 27.3	0.0
BNM	Barren Site	26.24	126	eP	P	06 09 28.3	+0.3
RES	Resolute Bay	26.43	21	P	P	06 09 29.4	+0.3
RES	Resolute Bay	26.43	21	eP	P	06 09 29.2	+0.1
CBKS	Cedar Bluff	26.46	109	eP	P	06 09 30.3	+0.5
SPMN	Marine on St.	26.72	91	P	P	06 09 34.0	+2.0
F38A	Pierce - Schro	26.91	89	P	P	06 09 34.8	+1.1
121A	Cookes Peak, D	27.01	129	P	P	06 09 34.7	-0.2
319A	Doigas	27.30	133	eP	P	06 09 37.5	0.0
H39A	Augusta	27.93	91				

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SONM Songino Array, PMOR Pomariorio Ree, ZAA1 Zalesovo Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like STKA Stephens Creek, ANAR Anatahan, CMAZ Chang Mai Arr, etc.

PGC 29 06:16:34.8, 52:37N:132:42W, h17km, 105km southwest of Sandspit, Bo Haida Gwaii Region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

DDA 29 06:20:51.8, 40:69N:35:29E, h7km, M12.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CTAK Corum_Osmancik, COAL Corum-Alaca, CORM Corum, etc.

MAN 29 06:22:28.6, 12:91N:123:57E, h71km, mb3.8, ML2.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PVPC Virac, CNP Catarman, CXP Roxas, etc.

ISCJB 29 06:23:04.1 ± 0.6, 16:23N:0:04:79:83E:0:05, h10km, Error ellipse: s-maj=7.7km s-min=5.7km az=169.4

NDI 29 06:23:07.9 ± 0.3, 16:23N:0:04:79:71E:0:12km, ML4.0

HYB 29 06:23:07.0 ± 0.1, 16:25N:0:04:79:86E:0:25km, ML3.8/7

ISC 29 06:23:05.8 ± 0.8, 16:22N:0:04:79:77E:0:04, h10km, n20, ±286/31, Southern India

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HYB Hyderabad, MDRS Chennai, VIS Vishakhapatnam, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BHPL, DMN, TRD, TRD, TRD, etc.

ISCJB 29 06:27:53.5 ± 1.6, 52:37N:0:1:132:6W:0:4, h18km, mb3.3/1, Error ellipse: s-maj=35.7km s-min=9.3km az=157.3

IDC 29 06:27:53.2 ± 2.2, 52:36N:132:39W, h0km, mb3.3/1, mb1 3.6/5, mb1mx3.4/5.1, mbmtpp3.3/6, ML3.9/3, MS2.4/1, Ms1 2.4/1, ms1mx2.1/2.6, Error ellipse: s-maj=49.5km s-min=9.6km az=74.0

ISC 29 06:27:55.3 ± 1.9, 52:42N:0:2:132:5W:0:3, h18km, n11, ±157/17, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

BUI 29 06:28:30.7 ± 2.0, 8:20S:123:50E, h6km, mb5.1/60, mb5.3/52, MS5.1/63, M57.4/8/56

ISCJB 29 06:28:31.4 ± 0.7, 8:17S:0:02:123:56E:0:02, h11km, 4km, mb5.1/132, MS5.1/137, Error ellipse: s-maj=3.2km s-min=2.9km az=35.3

NEIC 29 06:28:33.1 ± 0.1, 8:19S:123:47E, h10km, mb5.2/53, MS5.1/101, Error ellipse: s-maj=4.5km s-min=3.1km az=59.0

NEIC Felt [V] on Pulau Kawula, [IV] at Adonara and [III] at Alor. MOS 29 06:28:34.2 ± 1.1, 8:11S:123:48E, h28km, mb5.3/53, MS4.9/22, Error ellipse: s-maj=9.3km s-min=5.7km az=116.0

GCMT 29 06:28:35.1 ± 0.1, 8:17S:0:01:123:51E:0:01, h14km, MM5.5/129, Moment Tensor Solution, ±105:c174; ±129:c252; Duration: 1/4 Moment Tensor Solution: 10/17 Nm; Mn:0.22±0.3; Mw:0.94±.02; Ms:1.16±.03; Ms:0.02±.05; Ms:1.67±.03; Ms:1.15±.10; Best double couple: M2:25500±1017 NP1:344.00000°, 887.00000°, λ-27.00000°. NP2:76.00000°, 862.00000°, λ-177.00000°. Principal axes: T 2.0140, P1/7.0000°, Azm34.0000°; N 0.4780, P1/62.0000°, Azm159.0000°; P -2.4960, P1/21.0000°, Azm296.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=80s. Triangular moment-ratio function

DJA 29 06:28:35.0 ± 0.1, 8:5S:1:12:4E, h10km, M5.4/70, mb5.4/70, mb5.8/54, MLv5/20, Mw(m)5.4/54, Mwp5.6/3

KLM 29 06:28:36.0 ± 0.4, 8:47S:123:59E, h52km, mb5.6

IDC 29 06:28:38.0 ± 1.9, 8:12S:123:44E, h44km, mb4.7/29, mb1 4.8/34, mb1mx4.7/43, mbtmpp5.0/34, ML4.7/4, MS4.9/28, Ms1 4.9/28, ms1mx4.9/33, Error ellipse: s-maj=13.3km s-min=9.2km az=75.0

ISC 29 06:28:37.2 ± 0.3, 8:20S:0:03:123:52E:0:04, h39km, 2km, n528, ±1970/461, mb5.2/133, MS5.1/140, 14C-9D, Flores region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MMRI Maumere, SOEI Soe, EDFI Ende, Flores, BATI Baumata, etc.

BATI 506nm, 0.3s, baz=121, slow=23, SNR=34

BBSI Bau Bau 2.85 341 P Pn 06 29 18.6 -1.6

WBSI Waingapu 3.50 245 P Pn 06 29 29.0 -0.1

KDI Kendari 4.30 340 P Pn 06 29 37.5 -2.6

WBSI Waikabubak, Su 4.42 318 P Pn 06 29 40.3 -0.1

BKSI Bulukumbak, Su 4.42 318 P Pn 06 29 39.1 -2.6

BNSI Bone 5.07 318 P Pn 06 29 49.4 -1.3

SPSI Sidrap Palu 5.62 318 P Pn 06 29 57.1 -1.1

PLAI Plampang 5.71 263 P Pn 06 29 59.0 -0.5

TTSI Tana Toraja 6.30 324 P Pn 06 30 07.6 0.0

SANI Sani 6.58 22 P Pn 06 30 09.6 -1.9

TWSI Taliwang, Sumb 6.59 265 P Pn 06 30 10.5 -1.0

LUWI Luwuk 7.14 354 P Pn 06 30 17.6 -1.6

LUWI Luwuk 7.14 354 ePn Pn 06 30 17.9 -1.3

BNDI Bandanaira 7.32 60 P Pn 06 30 21.1 -0.5

APSI Apaspana 7.47 345 P Pn 06 30 22.1 -1.6

SAUI Saumlaki 7.71 89 P Pn 06 30 26.8 -0.1

PCI Palu 8.12 333 P Pn 06 30 33.0 +0.4

PCI Palu 8.12 333 P pmax pmax 06 30 33.9 +1.3

SRBI Singaraja 8.22 270 P Pn 06 30 34.4 -0.6

DNBP Denpasar 8.23 266 P Pn 06 30 34.0 -0.1

IGBI Denpasar 8.30 265 P Pn 06 30 34.8 -0.3

Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like LBMI Labuha, MRSI Marisa, KBKI Kotabaru, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like FORT Forrest, SDSL Sunai Darah, BLDU Ballidu, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like HNR Honiara, CMMT Chiang Mai, CHTO Chiang Mai, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, WRAB Tennant Creek, WB2 Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GAZ Gaziantep, KMRS Kahramanmaras, KUZU Kuzuni, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, WRAB Tennant Creek, WB2 Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GAZ Gaziantep, KMRS Kahramanmaras, KUZU Kuzuni, etc.

IDC 29 06:42:28.4 ± 1.6, 52.29N:132.34W, h0km, mb4.0/1, mb1 3.9/7, mb1mx3.6/47, mbtmp3.6/7, ML3.7/6, MS3.1/3, s-min=8.5km, az=51.0

ISC 29 06:42:29.3 ± 0.9, 53.03N:01x131.4W:0.1, h10km, n14, c1568/8, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

JMA 29 06:42:32.0 ± 0.3, 0330N:131.09E, h10km, M1.1, Kyushu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JNU Nakatsue, JTA Tamana, etc.

ISK 29 06:42:38.9 ± 0.7, 37.32N:37.13E, h13km, ML1.4/3, ISCJB 29 06:42:39.0 ± 0.6, 37.28N:0.04:37.08E:0.04, h11km, 5km, Error ellipse: s-maj=6.8km s-min=4.8km az=41.3

DDA 29 06:42:39.6 ± 0.7, 37.28N:37.16E, h7km, M12.6, ISC 29 06:42:39.5 ± 0.9, 37.29N:0.04:37.13E:0.04, h13km, 7km, c2515/16, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GAZ Gaziantep, KMRS Kahramanmaras, KUZU Kuzuni, etc.

IDC 29 06:43:27.1 ± 1.7, 8.17S:124.24E, h0km, mb3.8/1, mb1 4.0/5, mb1mx3.7/32, mbtmp3.5/7, ML3.8/4, Error ellipse: s-maj=53.2km s-min=22.2km az=81.0, Turkey region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BATI Baumata, FITZ Fitzroy Crossi, etc.

IDC 29 06:47:37.1 ± 1.7, 0.4933N:130.23E, h0km, Error ellipse: s-maj=12.1km s-min=11.2km az=166.0, Priamurye-Northern China border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like H45R USSURIYSK INFR, I34MN SANCHEZ INFRAS, etc.

MEX 29 06:47:39.4 ± 0.7, 25.07N:99.03W, h5km, MD3.8, Northern Mexico

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

ISK 29 06:51:56.9 ± 0.8, 38.57N:43.71E, h2km, ML2.7/5, DDA 29 06:51:57.9 ± 0.8, 38.63N:43.70E, h7km, M12.9, ISCJB 29 06:51:58.1 ± 0.8, 38.61N:0.03:43.72E:0.05, h7km, 5km, Error ellipse: s-maj=7.0km s-min=4.7km az=21.5

ISC 29 06:51:57.1 ± 1.4, 38.61N:0.03:43.77E:0.04, h4km, 12km, n15, c064/25, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TVAN Van, VNB Van, VMUR Van-Muradiye, etc.

DJA 29 07:01:12.2 ± 1.5, 8'S:16°12'4"E, h29km, 22km, M3.2/4, MLV3.2/4, IDC 29 07:01:14.0 ± 1.7, 8.27S:124.28E, h0km, mb3.4/1, mb1 3.5/5, mb1mx3.4/32, mbtmp3.4/5, ML3.2/4, Error ellipse: s-maj=52.0km s-min=20.5km az=81.0

ISC 29 07:01:10.5 ± 2.8, 7.9S:0.2:123.6E:0.1, h35km, n8, c2515/11, Banda Sea

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

IDC 29 07:02:10.4 ± 2.3, 6.55S:129.99E, h0km, mb3.6/1, mb1 3.6/4, mb1mx3.4/31, mbtmp3.4/4, ML3.4/3, Error ellipse: s-maj=91.4km s-min=29.6km az=77.0, Banda Sea

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

ISC 29 07:10:31.0 ± 1.4, 52.22N:0.1x132.4W:0.2, h10km, mb3.6/2, MS4.0/2, Error ellipse: s-maj=18.7km s-min=8.6km

IDC 29 07:10:31.9 ± 1.6, 52.30N:132.27W, h0km, mb3.6/2, mb1 3.7/5, mb1mx3.5/35, mbtmp3.5/5, ML3.6/3, MS3.6/3, MS1 3.6/3, ms1mx3.0/51, Error ellipse: s-maj=17.6km s-min=7.5km az=49.0

ISC 29 07:10:31.8 ± 1.6, 52.22N:0.2x132.3W:0.1, h10km, n12, c1574/8, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

MKAR Makanchi Array 77.00 336 P P 07 22 24.9 +0.4

ISC 29 07:31:31.81.1.1, 36.42N, 0.04:3.28W, 0.04, h9km, n16, +1507/22, 2D, Strait of Gibraltar

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like RTZ Ruatathuna, KNZ Kokohu, KHZ Kahutara, etc.

ISCJB 29 07:25:39.4.0.3, 36.25N, 0.03:28.48E, 0.03, h66km, 6km, Error ellipse: s-maj=4.4km s-min=3.5km az=168.7

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like EALB Alboran, ELGU Los Guajares, ELGU Linn, etc.

MEX 29 07:38:00.2.0.9, 16.27N, 98.08W, h8km, 7km, MD3.7, Near coast of Guerrero

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like ARG Arkhangelos, ARG comp-N, 7204um, 0.2s, ARG Arkhangelos, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like EGOR Sierra Gorda, ENIJ 15nm, 0.2s, SNR=7.9, ENIJ 9.5nm, 0.2s, SNR=7.9, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like PNIG Pinotepa, PNIG Lake Taylor, TLIG Tlapa, etc.

PGC 29 07:38:52.3.51:47N, 131:81W, h7km, 197km south of Sandspit, Bc Haida Gwaii Region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like DATC Data-Mugla, DAT Data, DAT Data, etc.

WEL 29 07:34:22.9.40:51, 17:55E, h19km, 3km, ML3.7/49, Cook Strait

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

PGC 29 07:39:04.3.0.8, 52:34N, 131:73W, h0km, mb3.9/7, mb1.4/13, mb1mx3.8/56, mbmp3.9/13, ML3.8/5, MS3.5/7, Ms1.3/5.7, ms1mx3.1/55, Error ellipse: s-maj=14.3km

ISCJB 29 07:39:05.0.0.2, 52:33N, 0.03:131:79W, 0.06, h18km, mb4.0/31, MS3.8/2, Error ellipse: s-maj=6.0km

NEIC 29 07:39:05.7.0.2, 52:36N, 131:79W, h10km, mb4.0/75, ML4.7(OT), Error ellipse: s-maj=6.5km s-min=2.7km

ISC 29 07:39:06.7.0.6, 52:35N, 0.08:131:79W, 0.08, h18km, n231, r1904/221, mb4.1/33, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like DIB Dawson Inlet, HOS1 HOS1, HOS2 HOS2, etc.

MEX 29 07:30:52.5.0.6, 16:32N, 98:06W, h11km, 6km, MD3.5, Near coast of Guerrero

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like PNIG Pinotepa, PNIG Lake Taylor, TLIG Tlapa, etc.

ISCJB 29 07:31:31.0.0.8, 36:42N, 0.05:3.30W, 0.06, h9km, Error ellipse: s-maj=7.6km s-min=6.4km az=8.6

MDD 29 07:31:32.8.0.4, 36:45N, 3:22W, h0km, mblg2.3/9, Error ellipse: s-maj=4.6km s-min=3.1km az=73.0, PRXIMO CNRM 29 07:31:33.3, 36:36N, 3:19W, h5km

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include stations like AFDM Forest Hills D, CAST Castle Rocks, QLMT Earthquake Lak, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include stations like N23A Red Feather La, N23A Red Feather La, PV21 Cone Mtn., etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include stations like KII Karymskiy, KII Karymskiy, KZV Kizimen, etc.

IDC 29 07:39:38.0.3.4.44.22N.131.58E, h0km, Error ellipse: s-maj=19.6km s-min=5.5km az=94.0, Priamurye-Northeastern China border region

ISCJB 29 07:39:38.7.0.3.54.30N.0.03.160.09E.0.09, h135km,3km,mb3.5/8, Error ellipse: s-maj=9.5km s-min=2.8km az=25.6

MOS 29 07:39:38.8.0.5.54.33N.159.99E, h135km,mb4.0/3, Error ellipse: s-maj=18.9km s-min=4.4km az=75.0

DALSK 29 07:39:38.1.0.8.54.30N.160.15E, h132km,9km,ML4.1, IDC 29 07:39:40.9.1.4.54.54N.159.50E, h147km,13km,mb3.2/7, mb1 3.5/7, mb1mx3.1/60, mbtmp3.7/7, Error ellipse: s-maj=22.0km s-min=18.6km az=121.0

ISC 29 07:39:38.6.0.7.54.33N.0.03.160.04E.0.04, h135km,5km, n95, r1913/140, mb3.4/8, 1C, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include stations like KII Karymskiy, KII Karymskiy, KZV Kizimen, etc.

ISCJB 29 08:38:41.9.0.5,37.28N:0.03:28.24E:0.04,h0km, Error ellipse: s-maj=4.6km s-min=3.7km az=165.9

ISK 29 08:38:41.1,37.22N:28.15E,h5km,ML2.2/7 DDA 29 08:38:42.0,37.27N:28.15E,h7km,ML2.6,Suspected Mining explosion.

ISC 29 08:38:41.1,0.9,37.24N:0.03:28.19E:0.03,h0km,n15, e078Z22,Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include YER Yerkesik, AYDN Tasoluk, TURUN Turunc, etc.

KRSC 29 08:54:18.7.0.5,55.70N:162.21E,h57km,12km,ML4.5 MOS 29 08:54:19.8.0.6,55.75N:162.21E,h51km,mk4.1/5, Error ellipse: s-maj=9.1km s-min=4.5km az=72.5

ISCJB 29 08:54:20.2.0.3,55.71N:162.20E:0.05,h55km,5km, mb3.7/9,MS3.5/1, Error ellipse: s-maj=4.7km s-min=3.0km az=23.9

IDC 29 08:54:23.9.2.7,55.74N:162.20E,h74km,29km,mb3.5/9, mb1.3/7.10,mb1mx3.4/7,mbtmp3.8/10,MS3.5/1, Ms1.3/7.1,ms1mx2.6/47, Error ellipse: s-maj=2.5km s-min=1.6km az=145

ISC 29 08:54:20.9.1.0,55.73N:162.20E:0.03,h42km,11km, n106,e1809/150,mb3.6/9,1D,Near east coast of Kamchatka Peninsula

Large table listing station names and codes for Kamchatka Peninsula, including KBTR Krutoberegovo, ZLN Zelenaya, BZGR Bezymyanni-Gr, etc.

Table listing station names and codes for the Decadence Islands region, including PET comp=N,380nm,0.6s, OSSH Oссора, PALN Palana, etc.

THE 29 08:56:35.8,36.53N:28.32E,h0km,1km,ML2.7/2, Error ellipse: s-maj=1.4km s-min=0.8km az=116.0

DDA 29 08:56:37.4,36.57N:28.30E,h8km,ML3.0 ISC 29 08:56:36.5,1.2,36.55N:0.02:28.27E:0.02,h1km,10km, n28,e1946/49,Decadence Islands

Table listing station names and codes for the Decadence Islands, including MRSB Marmaris-Mugla, ARG Arkhangelos, DALY Dallyan (Mu'la), etc.

PGC 29 08:58:22.1,51.88N:132.33W,h27km,156km Ssw of Sandspit, Gc Haida Gwaii Region

IDC 29 08:58:27.5,0.8,52.38N:131.99W,h0km,mb3.9/9, mb1.4/1.15,mb1mx3.9/5,mbtmp3.9/15,ML3.4/7,MS3.3/5, Ms1.3/3.5,ms1mx2.9/47, Error ellipse: s-maj=12.8km s-min=5.9km az=45.0

ISCJB 29 08:58:29.3,0.2,52.49N:0.03:131.99W:0.06,h18km, mb4.0/45,MS3.3/2, Error ellipse: s-maj=6.3km s-min=2.0km az=140.9

NEIC 29 08:58:30.0,0.2,52.45N:132.04W,h10km,mb3.9/76, MLL4.6(O/T), Error ellipse: s-maj=8.4km s-min=2.1km az=50.0

ISC 29 08:58:30.4,0.6,52.46N:108.132:03W:0.07,h18km, n259,e1943/242,mb4.1/45,Queen Charlotte Islands region

Table listing station names and codes for the Queen Charlotte Islands region, including Code, Station Name, Az, Phase ID, Time, Res. Rows include HOBIS Dawson Inlet, H02S1 Dawson Inlet T, etc.

Large table listing station names and codes for the Pacific Northwest region, including BBB Bella Bella, CRAG Craig, WRAK Wrangell Island, etc.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DAWSON INLET T, VAN INLET T-PH, Bella Bella, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HUMR Humele, KHC Kasperske Hory, PGC 29 11:19:54.6, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MMRI Maumere, SOEI Soe, EDFI Ende, Flores, BATI Baumata, etc.

SAR 29 11:13:26.9, 0.4, 43.95N, 18.22E, h3km, 2km, ML3.0/1, PDG 29 11:13:26.5, 0.3, 44.01N, 18.26E, h11km, ML2.9/10, Error ellipse: s-maj=0.4km s-min=0.7km az=0.0

ISC 29 11:19:55.0, 1.6, 52.83N, 0.10, 132.3W, 0.2, h10km, n8, c154/9, Queen Charlotte Islands region

Code Station Name Azimuth Phase ID Time Res. Includes stations like WRA Warramunga Arr, FITZ Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ILAR Eielson Array, NVAR Mina Array Bea, PDAR Pinedale Array, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

BEO 29 11:13:26.3, 0.4, 44.00N, 18.15E, h0km, ML2.8/7, PRU 29 11:13:27.5, 0.0, 44.00N, 18.60E, h0km

ISC 29 11:13:25.9, 1.1, 44.00N, 0.02, 182.2E, 0.02, h1km, 10km, n76, c18/16/17, 15C-13D, Northwestern Balkan Peninsula

Code Station Name Azimuth Phase ID Time Res. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HAPS Han Pijesak, BI, HAPS Han Pijesak, BI, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HAPS Han Pijesak, BI, HAPS Han Pijesak, BI, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HAPS Han Pijesak, BI, HAPS Han Pijesak, BI, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HAPS Han Pijesak, BI, HAPS Han Pijesak, BI, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HAPS Han Pijesak, BI, HAPS Han Pijesak, BI, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HAPS Han Pijesak, BI, HAPS Han Pijesak, BI, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HAPS Han Pijesak, BI, HAPS Han Pijesak, BI, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HAPS Han Pijesak, BI, HAPS Han Pijesak, BI, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HAPS Han Pijesak, BI, HAPS Han Pijesak, BI, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

D08A	Wollman Farm, 10.35 17 ePn	Pn	12 07 42.8 +0.2	IMW	Indian Meadow 16.72 113 ePn	P	12 09 11.1 +0.2	TUQ	Turquoise Mountain 20.80 139 P	P	12 09 56.4 +0.9
H04A	Detroit Lake 10.44 135 ePn	Pn	12 07 44.7 +0.8	FLWY	Flagg Ranch 16.74 112 ePn	P	12 09 10.9 -0.1	KNB	Kanab 20.80 131 eP	P	12 09 56.2 +0.6
BMRM	Bremner River 10.68 326 ePn	Pn	12 07 48.3 +1.1	NEWA	New Walker 16.76 142 ePn	P	12 09 11.7 +0.4	BLG	Big Lake Peak, P 20.84 147 P	P	12 09 56.1 +0.3
NEW	Newport 10.70 108 ePn	Pn	12 07 48.7 +1.2	KVN	Kaiserville 16.81 138 ePn	Pn	12 09 10.7 +1.0	MWC	Mount Wilson 21.07 145 eP	P	12 09 59.2 +0.7
NEW	Newport 10.70 108 ePn	Pn	12 07 49.4 +2.0	CMB	Columbia Cole 16.83 145 ePn	Pn	12 09 10.7 +0.8	PASC	Pasadena Art C 21.08 145 eP	P	12 09 59.0 +0.6
NEW	Newport 10.70 108 ePn	Pn	12 07 49.5 +2.0	FXWY	Fox Creek 16.83 114 ePn	P	12 09 12.0 -0.1	HEC	Hector, Ludlow 21.17 141 P	P	12 09 59.9 +0.5
I03D	Drain, OR 10.79 142 P	Pn	12 07 50.5 +1.8	MOOW	Moosa Ponds 16.92 113 ePn	P	12 09 13.8 +0.7	BFSC	Mount Holy Ra 21.20 144 P	P	12 10 00.2 +0.3
EYAK	Cordova Ski Ar 10.80 323 ePn	Pn	12 07 49.6 +0.9	RLMT	Red Lodge 16.94 107 P	Pn	12 09 13.9 +0.7	MDND	Maddock 21.43 90 eP	P	12 10 03.6 +1.6
J01E	Myrtle Point 11.04 146 P	Pn	12 07 53.0 +0.9	RLMT	Red Lodge 16.94 107 P	Pn	12 09 11.8 +0.5	MDND	Maddock 21.43 90 P	P	12 10 02.5 +0.4
I04A	Tendick Farm, 11.07 139 P	Pn	12 07 54.1 +1.6	TPAW	Teton Pass 16.97 114 ePn	P	12 09 15.1 +1.4	LDFC	Landfair 21.44 138 eP	P	12 10 02.3 0.0
E09A	Wood Farm, Sta 11.11 118 ePn	Pn	12 07 53.0 0.0	RYN	Ryan 17.00 140 ePn	P	12 09 13.9 +0.1	BBRC	Big Bear Solar 21.45 143 P	P	12 10 02.6 0.0
DIV	Divide 11.20 325 ePn	Pn	12 07 54.8 +0.5	COLD	Coldfoot 17.03 336 ePn	P	12 09 13.4 -0.5	PV09	Paradox Valley 21.45 122 eP	P	12 10 03.3 +0.7
FID	Port Fidalgo 11.20 322 ePn	Pn	12 07 55.1 +0.8	LOHW	Long Hollow 17.09 113 ePn	P	12 09 15.2 +0.3	GMRC	Granite Mounta 21.47 140 P	P	12 10 03.0 +0.2
G08A	Pilot Rock 11.49 122 ePn	Pn	12 07 58.8 +0.4	SNOW	Snow King Moun 17.10 114 ePn	P	12 09 15.1 0.0	N23A	Red Feather La 21.48 112 P	P	12 10 03.4 +0.4
KLU	Klutina 11.51 326 ePn	Pn	12 07 58.7 +0.2	REDW	Red Top Meadow 17.11 114 ePn	P	12 09 15.3 +0.2	N23A	Red Feather La 21.48 112 P	P	12 10 02.7 -0.2
GLI	Glacier Island 11.52 322 ePn	Pn	12 07 59.0 +0.5	IM3	Indian Mountai 17.12 330 ePn	Pn	12 09 13.4 +0.2	PHWY	Pilot Hill 21.48 111 eP	P	12 10 02.7 -0.3
K02D	Willamette Mer 11.55 146 P	Pn	12 07 59.8 +0.6	HVU	Hansel Valley 17.15 121 ePn	P	12 09 15.8 +0.3	PV21	Con Hill, Par 21.49 122 eP	P	12 10 03.5 +0.5
J04D	Umpqua Nation 11.65 140 P	Pn	12 08 02.5 +1.8	NV01	Mina Array Sit 17.26 140 ePn	Pn	12 09 15.7 +0.3	U15A	North Rim 21.53 131 eP	P	12 10 04.1 +0.6
PINE	Pine Mountain 11.69 135 ePn	Pn	12 08 01.6 +0.5	NVAR	Mina Array Bea 17.26 140 P	P	12 09 15.7 +0.3	PV23	Carpenter Ridge 21.55 122 eP	P	12 10 03.9 +0.2
HUMO	Hull Mountain 11.87 144 ePn	Pn	12 08 04.9 +1.3	NVAR	Mina Array Sit 17.31 139 ePn	Pn	12 09 17.0 -0.4	PV10	Paradox Valley 21.59 122 eP	P	12 10 05.4 +1.2
HARP	HAARP 11.93 330 ePn	Pn	12 08 05.5 +1.3	AHID	Aburn Hatcher 17.36 116 ePn	P	12 09 18.2 +0.3	PV10	Paradox Valley 21.60 122 eP	S	12 10 05.3 +0.8
F10A	Beach Ranch, E 11.94 118 ePn	Pn	12 08 05.9 +1.3	BGU	Big Grassy Mou 17.64 124 ePn	P	12 09 20.9 -0.1	PV14	Lion Creek, Pa 21.60 121 eP	P	12 10 04.9 +0.6
J05D	Fort Rock, OR 11.97 137 P	Pn	12 08 06.6 +1.6	MDPB	Devils Postpil 17.66 143 ePn	Pn	12 09 20.9 +0.5	PV20	West Nyswonger 21.65 122 eP	P	12 10 05.5 +0.8
DAWY	Dawson 12.04 345 ePn	Pn	12 08 06.2 +0.5	SPUT	South Promonto 17.66 122 eP	P	12 09 22.2 +1.0	PV19	Morning Glory 21.67 122 eP	P	12 10 05.1 +0.1
L02E	Cave Junction 12.05 147 P	Pn	12 08 06.7 +0.8	OMMB	Old Mammoth Mi 17.70 143 ePn	P	12 09 22.0 +0.1	PV16	Nyswonger Mesa 21.70 122 eP	P	12 10 05.7 +0.3
SCM	Sheep Creek Mo 12.23 345 ePn	Pn	12 08 09.6 +1.3	HWUT	Hardware Ranch 17.91 120 ePn	P	12 09 24.9 +1.0	PV17	East Wray Mesa 21.70 122 eP	P	12 10 05.9 +0.6
K04D	Chiloquin, OR 12.31 120 P	Pn	12 08 11.2 +1.6	LAO	LASA Array 17.93 99 ePn	P	12 09 24.9 +0.9	PV11	David Mesa, Pa 21.73 122 eP	P	12 10 06.2 +0.6
L04D	Klamath Falls 12.45 143 P	Pn	12 08 12.6 +1.1	LAO	LASA Array 17.93 99 P	P	12 09 24.3 +0.3	PV18	Skein Mesa, Pa 21.76 122 eP	P	12 10 06.4 +0.6
PAX	Paxson 12.46 331 ePn	Pn	12 08 12.2 +0.7	TOLK	Toolik Lake Re 18.02 340 ePn	P	12 09 26.5 +1.7	PV12	Saucer Basin, 21.76 122 eP	P	12 10 06.5 +0.6
BRLL	Bradley Lake 12.49 312 ePn	Pn	12 08 10.7 -1.1	TOLK	Toolik Lake Re 18.02 340 P	P	12 09 25.2 +0.5	PV03	Paradox Valley 21.78 122 eP	P	12 10 06.5 +0.4
DNVP	China Foot 12.54 311 ePn	Pn	12 08 11.9 -0.7	BW06	Boulder Array 18.21 114 ePn	P	12 09 29.1 +1.8	PV05	Paradox Valley 21.79 123 eP	P	12 10 06.9 +0.7
SML	Summill 12.57 323 ePn	Pn	12 08 13.5 +0.5	BW06	Boulder Array 18.21 114 ePn	P	12 09 29.1 +1.8	PV13	Radium Mtn., P 21.87 122 eP	P	12 10 07.7 +0.6
K05A	Summer Lake 12.57 337 ePn	Pn	12 08 14.6 +1.3	PDAR	Pinedale Array 18.21 114 ePn	P	12 09 28.7 +1.4	PV02	Paradox Valley 21.88 122 eP	P	12 10 07.8 +0.6
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	PDAR	Pinedale Array 18.21 114 ePn	P	12 09 28.7 +1.4	W13A	Hualapai Mount 21.93 136 eP	P	12 10 08.0 +0.2
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DUG	Dugway, Tooele 18.30 125 eP	P	12 09 27.9 +0.7	PV01	Paradox Valley 22.02 122 eP	P	12 10 09.1 +0.4
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DUG	Dugway, Tooele 18.30 125 eP	P	12 09 27.9 +0.7	BELC	Belle Mtn. Jos 22.03 141 P	P	12 10 08.6 -0.1
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	TCUT	Toone Canyon 18.34 120 ePn	Pn	12 09 28.8 +0.6	SC12	San Clemente I 22.04 147 P	P	12 10 08.6 -0.1
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	PMPB	Monarch Peak 18.37 92 eP	Pn	12 09 29.3 +0.7	SMCO	Snowmass 22.10 117 eP	P	12 10 10.1 +0.3
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	PFO	Pinyon Flats O 22.20 143 eP	P	12 10 09.9 -0.7
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	PFO	Pinyon Flats O 22.20 143 eP	P	12 10 09.9 -0.7
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	XPFO	Pinyon Flats O 22.20 143 eP	P	12 10 09.9 -0.7
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	IRM	Iron Mountain 22.22 139 P	P	12 10 11.0 +0.3
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	FRD	Ford Ranch, An 22.25 143 P	P	12 10 10.7 -0.4
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	ISCO	Ischo Springs 22.41 114 P	P	12 10 13.5 +0.6
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	PDMC	Parker Dam, Lak 22.50 137 P	P	12 10 13.7 +0.1
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	BC3	Big Rockwall 22.54 141 P	P	12 10 14.1 -0.2
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	CPE	Camp Elliot 22.62 145 eP	P	12 10 14.2 -0.7
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	WUAZ	Wupatki 22.70 131 eP	P	12 10 16.2 +0.3
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	WUAZ	Wupatki 22.70 131 eP	P	12 10 15.6 -0.3
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	MVCO	Mesa Verde 22.75 123 eP	P	12 10 16.2 -0.4
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	MVCO	Mesa Verde 22.75 123 P	P	12 10 16.7 +0.1
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	ULM	Lac du Bonnet 22.77 81 P	P	12 10 16.7 +0.4
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	ULM	Lac du Bonnet 22.77 81 eP	P	12 10 17.7 +1.4
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	Y12C	Blythe 22.83 139 P	P	12 10 17.4 +0.4
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	Y12C	Blythe 22.83 139 P	P	12 10 16.9 -0.2
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	MONP	Monument Peak 22.86 143 P	P	12 10 17.3 -0.4
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	BAR	Barrett 22.96 144 eP	P	12 10 19.5 +1.0
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	SWSC	Sam W. Stewart 23.02 142 P	P	12 10 18.6 -0.7
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	IKP	In-Ko-Pah, Jac 23.19 143 P	P	12 10 20.8 -0.2
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	S22A	4UR Ranch, Cre 23.22 120 eP	P	12 10 21.9 +0.4
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	S22A	4UR Ranch, Cre 23.22 120 eP	P	12 10 21.7 +0.3
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	Q24A	Divide 23.25 115 eP	P	12 10 22.4 +0.7
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	Q24A	Divide 23.25 115 P	P	12 10 22.5 +0.8
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	Q24A	Divide 23.25 115 eP	P	12 10 22.5 +0.8
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	Y14A	Wickenburg 23.30 136 eP	P	12 10 22.3 +0.3
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	GLA	Glamis 23.32 140 eP	P	12 10 22.3 +0.1
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	GLA	Glamis 23.32 140 P	P	12 10 22.3 +0.1
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	SUSD	Miller 23.42 97 P	P	12 10 24.0 +0.5
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	AGMN	Agassiz Nation 23.52 86 eP	P	12 10 25.2 +1.3
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	AGMN	Agassiz Nation 23.52 86 P	P	12 10 24.2 +0.2
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	X16A	Lo Mia Camp, P 23.58 132 eP	P	12 10 25.1 +0.2
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	W18A	Petrified Fore 23.79 128 eP	P	12 10 26.4 -0.5
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	W18A	Petrified Fore 23.79 128 P	P	12 10 27.0 0.0
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	SDCO	Great Sand Dun 23.93 118 eP	P	12 10 29.1 +0.8
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	SDCO	Great Sand Dun 23.93 118 P	P	12 10 28.8 +0.4
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	113A	Mohawk Valley, 23.99 138 eP	P	12 10 28.5 -0.1
KDAD	Kodiak Island 12.59 302 P	Pn	12 08 14.9 +1.7	DGMT	Dagmar 18.37 92 P	Pn	12 09 30.9 +2.1	X18A	Snowflake 24.17 130 eP	P	12 10 30.3 -0.3
KDAD	Kodiak Island 12.5										

Table of station data for 29d 12h, including columns for station name, coordinates, and other parameters. Includes stations like TUC, BGNE, LENM, RES, etc.

Table of station data for 2012 OCT, including columns for station name, coordinates, and other parameters. Includes stations like SONM, OTAV, ZAA1, etc.

Table of station data for 1504, including columns for station name, coordinates, and other parameters. Includes stations like NIED, JFK, ONAJ, etc.

1505

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like BEKR Beckworth, NOA NORSAR Array B, KVN Kaiserville, etc.

ISC/JB 29 12:39:23.8:0.2,35.224N:0.010:90.62W:0.01, h29km,2km, Error ellipse: s-maj=1.7km s-min=1.6km az=34.8

IDC 29 12:39:24.3:3.7,35.48N:91.03W,h0km,mb1 3.6/3, mb1mx3.3/40,mbtmp3.3/3,ML4.1/2, Error ellipse: s-maj=43.8km s-min=16.7km az=112.0

NEIC 29 12:39:24.1:0.0,35.211N:90.64W,h23km,MD3.9(CERI), After CERF.

NEIC Felt (VI) at Coll. Earle, Hughes, Proctor, Tyrnaza and Wynne; (III) at Blytheville, Cherry Valley, Crowfordsville, Forrest City, Harrisburg, Marion, Marked Tree, Osceola, Palestine, Parkin, Turrell and West Memphis, Felt (III) at Horn Lake, Nesbit, Robinsonville, Southaven and Walls, Mississippi, Felt (III) at Brighton, Covington, Drummonds, Germantown and Memphis, Tennessee, Felt in much of northeastern Arkansas, northwestern Mississippi and southwestern Tennessee and in parts of southeastern Missouri.

ISC 29 12:39:23.6:0.9,35.232N:0.02:90.64W:0.02,h18km,3km, h342,r089/388,Arkansas

Main station list table for 1505, including stations like Forest City, Harrisburg, Jonesboro, Memphis-Engin, Shelby Farms P, Bald Knob, Marvell, Marvell, Crenshaw, Cord, Blytheville, Gosnell, Stuttgart, Rector, Hickory Valley, Revenden, Oxford, Oxford, UM Field Stati, Strider, Charl, Gary Mavity, V, Gary Mavity, V, Makayla and Ka, Woolly Hollow, Mountainview, Portageville, Humboldt, University of, Portageville, Burton Farm, H, Viola, etc.

2012 OCT

Main station list table for 2012 OCT, including stations like PBMO Poplar Bluff, PARMO Parma, CCRAR Cane Creek, Yeager Farm, Garnett, Star, Kaden, Boonville, University of, Van Buren, Michie, Greenville, Witts Springs, Rockin P Farm, Basin Creek Fa, Basin Creek Fa, Pea Ridge, Bel, Houston, Ferguson Farm, Ferguson Farm, Winona, Winona, Mountain View, Benton, Armstrong Farm, Eaglette Beard, Pickwick Lake, Yellville, Holladay, Norrel Spur, H, Springville, Fulton Ridge, Russelville, Paducah, Paducah, Paducah, Mansfield, Waverly, Waverly, Louisville, Westpoint, Okolona, Mount Ida, Mount Ida, Jillico Farms, Pettigrew, Caledonia, White Oak Lake, Magazine, Magazine, Green Forest, Alexander Plac, Soc's Landing, Soc's Landing, Nunelly, UCCARC, Winfie, Richard Creek, Richard Creek, Houston Rentro, Canadale, Southern Illin, French Village, Cathedral Cave, Princeton, Hobbs, Monroe, Union, Union, Carrollton, Fountain Ranch, Carrier Mills, Clarksville, Vicksburg, Vicksburg, Long Farm, Mag, Pulaski, Luebbering, Luebbering, Hartse, Hartse, Red Bud, Rosebud, Jasper, Northport, Smith Brothers, etc.

29d 12h

Main station list table for 29d 12h, including stations like Smith Brothers, Avery, Jackson, Livingston, Livingston, Papa Simpson, Little A P, Waltonville, Sharon Grove, Sharon Grove, Don Dixon Farm, Grayson, Waterproof, Jackson Lee, Jackson Lee, Cam and Jess, Cam and Jess, Cassie Pea, Belvidere, Outman, Skylar, Fairri, Woodruff, Greensboro, University of, Golden Eagle, Mo Tay, Golden, Mo Tay, Golden, Lakeview Retre, Lakeview Retre, Blount Mountai, Blount Mountai, Truxton, Westbrook Farm, Westbrook Farm, New Douglas, Hartford, Swet Sawanee, Meyer Farm, Gibon Southern, McMinville, Bowling Green, Thompson Farm, Clayton, Dixon Mills, Big Creek Wild, Big Creek Wild, Columbiana, Vidalia, Olney, Flagon Creek P, Flagon Creek P, Hunter Patters, Jones, Red Boiling Sp, Warren Harvey, Fort Payne, Saraland, Leonard, Leonard, Piedmont, Winchester, Winchester, Signal Mountai, Signal Mountai, Camden, Ashland, Ashland, Wiedeman Farm, Kurthwood, Kurthwood, Jackson, Barry, Barry, Amite, Skaggs, Pawnee, Ashland, Wooly Knot Far, Sand Creek, W, Edmundton, Pikeville, Poplarville, Wyandotte Cave, Wyandotte Cave, CEJHS Indians, Eclectic, Lucedale, Lucedale, Rockmart, Calhoun, Calhoun, Cleveland, Cleveland, Natx, Natx, Janstow, Janstow, Graceland, Par, Graceland, Par, Grady, Grady, Bay Minette, etc.

29d 13h

Table of station data for 29d 13h, including columns for station name, frequency, power, and other technical details.

2012 OCT

Table of station data for 2012 OCT, including columns for station name, frequency, power, and other technical details.

1506

Table of station data for 1506, including columns for station name, frequency, power, and other technical details.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like BZMR, KMNR, KPT, KZV, TUMR, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like CPUB, IPOC, MNMC, LPAZ, etc.

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

ISC/JB 29 13:52:0.2, 0.52, 62N, 0.1x131.7W, 0.2, h10km, mb3.5/2, Error ellipse: s-maj=22.4km s-min=7.6km az=42.5

ISC/JB 29 14:25:12.3, 0.1, 52.5N, 0.1x132.0W, 0.2, h10km, mb3.1/1, Error ellipse: s-maj=19.7km s-min=7.5km az=135.7

ISC/JB 29 14:27:33.0, 1.5, 52.34N, 0.2x131.4W, 0.2, h10km, mb3.4/1, Error ellipse: s-maj=21.9km s-min=7.5km az=35.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like H02S1, H02S2, H02N1, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like H02S1, H02S2, H02N1, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like H02S1, H02S2, H02N1, etc.

ISC/JB 29 14:01:14.9, 0.0, 8.25, 77S, 0.05x29.72E, 0.06, h10km, Error ellipse: s-maj=7.8km s-min=7.1km az=176.3

ISC/JB 29 14:25:22.0, 3.7, 10N, 13.02W, h30km, ML2.2, Error ellipse: s-maj=16.4km s-min=13.0km az=48.0

ISC/JB 29 14:27:33.0, 1.5, 52.34N, 0.2x131.4W, 0.2, h10km, mb3.4/1, Error ellipse: s-maj=21.9km s-min=7.5km az=35.0

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

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

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

ISC 29 14:22:48.1, 0.9, 37.79S, 73.74W, h0km, mb3.9/6, mb1.4/8, mb1mx3.9/38, mbtmp3.8/6, ML3.8/2, MS3.2/4

IGIL 29 14:25:22.0, 3.7, 10N, 13.02W, h30km, ML2.2, Error ellipse: s-maj=16.4km s-min=13.0km az=48.0

ISC/JB 29 14:27:33.0, 1.5, 52.34N, 0.2x131.4W, 0.2, h10km, mb3.4/1, Error ellipse: s-maj=21.9km s-min=7.5km az=35.0

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

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

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

29d 14h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VNA3, VNA2, ARCES, BRTR, GERES.

IDC 29 14:47:02.51, 3.52, 27.36N, 132.79W, h0km, mb4.0/3, mb1 3.9/10, mb1mx3.6/5.1, mbtmp3.6/10, ML3.5/7, MS2.9/4, Ms1 2.9/4, ms1mx2.7/4.5, Error ellipse: s-maj=21.8km s-min=8.3km az=83.0

ISCJBJ 29 14:47:04.1, 0.8, 52.43N, 0.07, 132.55W, 0.1, h18km, mb3.8/3, Error ellipse: s-maj=13.7km s-min=7.1km az=145.7

PGC 29 14:47:04.3, 52.42N, 132.42W, h2km, 100km southwest of Sandspit, Bc Haida Gwaii Region

ISC 29 14:47:05.7, 1.1, 52.48N, 0.09, 132.55W, 0.1, h18km, n17, c082/13, mb4.1/3, Queen Charlotte Islands region

Main table for 29d 14h section, listing stations like DAWSON INLET T, BELLA BELLA, DEASE LAKE, etc.

IDC 29 14:49:23.4, 1.6, 52.44N, 132.64W, h0km, mb3.5/2, mb1 3.7/5, mb1mx3.5/4.4, mbtmp3.5/5, ML3.5/2, Error ellipse: s-maj=22.1km s-min=9.7km az=71.0

ISC 29 14:49:26.4, 1.4, 52.55N, 0.1, 132.2W, 0.1, h18km, n7, c206/8, Queen Charlotte Islands region

Table for 29d 14h section, listing stations like DAWSON INLET T, VAN INLET T-PH, BELLA BELLA, etc.

MOS 29 14:54:51.2, 1.1, 80.62N, 3.59W, h10km, mb4.7/34, Error ellipse: s-maj=34.9km s-min=6.6km az=95.8

ISCJBJ 29 14:54:51.0, 1.0, 80.68N, 0.03, 3.6W, 0.1, h10km, mb4.6/119, MS4.0/27, Error ellipse: s-maj=4.8km s-min=2.8km az=26.5

BUI 29 14:54:51.0, 80.70N, 3.40W, h10km, mb4.6/19, mB4.8/7, MS4.6/16, MS7.4/47

IDC 29 14:54:52.0, 1.0, 80.80N, 3.35W, h0km, mb4.0/25, mb1 4.2/27, mb1mx4.1/4.4, mbtmp4.0/27, ML3.5/1, MS3.8/21, Ms1 3.8/21, ms1mx3.6/5.0, Error ellipse: s-maj=14.6km s-min=9.7km az=36.0

NEIC 29 14:54:53.0, 2.0, 80.70N, 3.41W, h10km, mb4.9/74, Error ellipse: s-maj=5.1km s-min=2.9km az=208.0

BER 29 14:54:53.5, 2.5, 81.11N, 1.51W, h15km, 121km, ML2.9, ML4.2(NAO)

Main table for 29d 14h section, listing stations like KINGSBAY, BARENTSBERG A, SPITSBERGEN AR, etc.

2012 OCT

Main table for 2012 OCT section, listing stations like SCORESBYSDUND, SUMMIT, TULEG, KEVO, etc.

1510

Main table for 1510 section, listing stations like CLEAR CREEK BU, BUCOVINA AR, YAKUTSK, etc.

1515

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like GEYT Alibeck, GYA0B ALIBEK ARRAY, WHFO Wadi Hawf, etc.

2012 OCT

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like PPT Papeete, PPT2 Papeete2, OHAK Old Harbor, etc.

29d 15h

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like BR131 Keskin Array S, BRTR Keskin Array B, CSS Mathias, etc.

29D 15h

Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like BZS, MDVR, NIE, etc.

2012 OCT

Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like DUG, SWSC, BC3, etc.

1516

Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like D41A, F40A, TX31, etc.

Table with columns: Call Sign, Location, Frequency, Power, Mode, and other parameters. Includes stations like KVXT Kingsville, L45A N Adams, U42A Revenden, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like GOGA Godfrey, TRQA Torquist, PAYG Puerto Ayora, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like CRAG Craig, WRAC Wrangell Islan, DLBC Dease Lake, etc.

ISCB 29 15:31:35.8-1.7, 52.15N-132.05W, h0km, mb3.6/1, m1 4.0/4, mb1mx3.6/53, mbtmp3.5/4, ML3.6, MS3.1/1, Ms1 3.1/1, ms1mx2.6/48, Error ellipse: s-maj=18.2km s-min=7.0km az=44.0

ISCB 29 15:39:19.8-1.2, 52.1N-132.5W, h0km, mb3.6/4, Error ellipse: s-maj=40.3km s-min=11.0km az=160.8

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DAWSON INLET T, VAN INLET T-PH, MINA ARRAY BEA, etc.

2.5nm, 0.8s, baz=36, slow=5.8, SNR=5.8
NB200 NORSAR Array S 63.13 19 eP P 15 50 59.0 +0.7

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DIB Dawson Inlet, BBB Bella Bella, YKA Yakutat, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ZAA1 Zalesovo Array, ZALV Zalesovo Beam, KURK Kurchatov, etc.

MOS 29 15:51:33.6:2.1, 53:60N:160:94E, h43km, mb4.2/1, Error ellipse: s-maj=9.3km s-min=5.0km az=76.1

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SPN Mys Shipunski, KII Karymskiy, NLC Nalytchevo, etc.

MDD 29 15:52:15.9:1.6, 37:30N:12:74W, h0km, mb4.3/16, Error ellipse: s-maj=15.2km s-min=11.3km az=62.0, PRXIMO

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PFV1 Vila Bisbo, PFV2 Vila Bisbo, PMST Lisbon-Monsan, etc.

1521 2012 OCT 29d 17h

U40A	Yellville	19.25	34	P	P	17 08 13.7	+0.3	S45A	Carrier Mills	22.57	38	P	P	17 08 48.6	-0.6	L42A	Oliver, Polo	25.18	30	P	P	17 09 14.9	+0.6
R11A	Troy Canyon, C	19.25	337	P	P	17 08 15.4	+1.7	Y51A	Rockmart	22.64	51	P	P	17 08 50.8	+0.6	SFIN	Lafayette	25.27	36	P	P	17 09 15.5	+0.5
O20A	White River Ci	19.27	355	P	P	17 08 14.6	+0.7	R44A	Wainville	22.68	37	P	P	17 08 50.7	+0.3	L04D	Klama Falls	25.29	331	P	P	17 09 17.7	+2.3
TIN	Tinemaha, Big	19.28	329	P	Pn	17 08 16.2	+1.0	TIGA	Tifton	22.69	58	P	P	17 08 50.5	-0.2	K41A	Shullsburg	25.38	28	P	P	17 09 15.9	0.0
V42A	Cord	19.64	38	P	P	17 08 18.3	+0.5	P41A	Barry, Barry	22.70	31	P	P	17 08 50.6	-0.1	N45A	Kentland	25.38	34	P	P	17 09 16.3	+0.3
147A	Livingston	19.71	50	P	P	17 08 19.5	+0.1	555A	McAlpin	22.74	62	P	P	17 08 51.8	+0.6	R50A	Paris	25.54	43	P	P	17 09 18.0	+0.5
U41A	Viola	19.74	36	P	P	17 08 18.9	+0.1	Z52A	Williamson	22.78	53	P	P	17 08 51.6	0.0	P48A	Milroy	25.60	39	P	P	17 09 18.9	+0.9
248A	Dixon Mills	19.80	52	P	P	17 08 20.9	+1.4	Q43A	New Douglas	22.84	34	P	P	17 08 51.3	-0.8	S51A	Beattyville	25.64	45	P	P	17 09 18.5	+0.1
349A	Repton	19.85	55	P	P	17 08 21.1	+1.0	P32A	Winchester	22.99	32	P	P	17 08 53.0	-0.6	J05D	Fort Rock, OR	25.69	334	P	P	17 09 21.3	+2.3
B98L	Brewton	19.88	55	P	P	17 08 21.8	+1.4	N49A	Derby Farms, D	23.02	27	P	P	17 08 53.9	0.0	LAO	Holcomb	25.73	360	P	P	17 09 19.8	+0.6
K5U1	Kansas State U	19.89	22	eP	P	17 08 21.3	+1.0	V49A	McMinnville	23.05	46	P	P	17 08 54.2	-0.1	L02E	Cave Junction	25.85	329	P	P	17 09 22.2	+1.9
N23A	Red Feather La	19.94	0	P	P	17 08 22.9	+1.6	U48A	Cassie Pea, Po	23.07	43	P	P	17 08 54.4	-0.1	KM5C	Kings Mountain	25.94	52	P	P	17 09 21.7	+0.5
X45A	UM Field Stati	19.95	44	P	P	17 08 21.8	+0.6	S46A	Don Dixon Farm	23.08	40	P	P	17 08 55.1	+0.5	NH5C	New Hope	25.99	57	P	P	17 09 22.2	+0.5
Y46A	Houston	19.98	46	P	P	17 08 22.0	+0.5	254A	Abbeville	23.12	57	P	P	17 08 55.9	+0.8	J04D	Umpqua Nationa	26.02	333	P	P	17 09 24.0	+1.9
T40A	Mansfield	20.03	33	P	P	17 08 22.5	+0.5	X51A	Calhoun	23.12	49	P	P	17 08 55.3	+0.2	R51A	Hillsboro	26.02	43	P	P	17 09 22.2	+0.4
MLAC	Mammoth, Mammo	20.03	329	P	P	17 08 23.9	+1.6	O41A	Passleys Farm,	23.13	31	P	P	17 08 56.0	+0.9	J41A	Loganville	26.11	27	P	P	17 09 23.3	+0.6
DUG	Dugway, Tooele	20.09	345	eP	Pn	17 08 25.1	+0.3	W50A	Signal Mountai	23.14	48	P	P	17 08 55.7	+0.4	O48A	Farmland	26.27	38	P	P	17 09 24.6	+0.5
DUG	Dugway, Tooele	20.09	345	P	P	17 08 24.5	+1.7	R45A	Skylar, Fairri	23.16	38	P	P	17 08 55.4	+1.0	I40A	Norwalk	26.29	26	P	P	17 09 24.5	+0.2
U42A	Revendon	20.12	37	P	P	17 08 23.6	+0.6	Q44A	Meyer Farm, Va	23.18	36	P	P	17 08 55.9	+0.3	K02D	Willamette Mer	26.29	330	P	P	17 09 27.0	+2.7
Z47A	Carrollton	20.13	49	P	P	17 08 23.9	+0.8	R85D	Black Hills	23.23	4	P	P	17 08 56.7	+0.4	N47A	Urbana	26.38	36	P	P	17 09 26.5	+1.4
249A	Camden	20.20	53	P	P	17 08 24.9	+1.1	Y52A	Lilburn	23.36	52	P	P	17 08 57.1	-0.3	M46A	Old House Fiel	26.39	35	P	P	17 09 26.4	+1.3
148A	Greensboro	20.20	51	P	P	17 08 24.5	+0.7	N40A	Mertquake, Sal	23.42	28	P	P	17 08 57.4	-0.5	I04A	Tendick Farm,	26.60	333	P	P	17 09 29.5	+2.5
OGNE	Ogallala	20.28	9	eP	P	17 08 26.1	+1.4	P43A	Skaggs, Pawnee	23.45	34	P	P	17 08 57.7	-0.6	I05D	Terrebonne, OR	26.63	33	P	P	17 09 29.2	+2.1
OGNE	Ogallala	20.28	9	P	P	17 08 25.8	+1.1	Z53A	Monticello	23.46	54	P	P	17 08 58.0	-0.4	M5O	Missoula	26.66	348	P	P	17 09 29.3	+1.6
T41A	Mountain View	20.34	35	P	P	17 08 26.1	+0.8	W51A	Cleveland	23.50	48	P	P	17 08 58.2	-0.6	J01E	Myrtle Point	26.78	330	P	P	17 09 30.4	+1.7
NVAR	Minna Array Bea	20.43	331	P	P	17 08 27.9	+1.3	T48A	Bowling Green	23.52	42	P	P	17 08 58.9	-0.1	G38A	Ridgeland	26.90	23	P	P	17 09 30.0	+0.3
NVAR	comp-Z, 31.5nm, 20.0s, baze=130, slow=57					17 16 27.8		S47A	Hartford	23.53	41	P	P	17 08 58.8	-0.2	I03D	Drain, OR	26.93	332	P	P	17 09 32.4	+2.4
W45A	Hickory Valley	20.54	43	P	P	17 08 28.4	+0.8	154A	Montrose	23.53	56	P	P	17 09 00.1	+1.0	H40A	Chili	26.99	25	P	P	17 09 30.8	+0.3
350A	Dozier	20.54	55	P	P	17 08 28.5	+0.9	V50A	Pikeville	23.54	47	P	P	17 08 59.1	0.0	EGMT	Eagleton	27.23	355	P	P	17 09 34.2	+1.4
X46A	Boonville	20.56	45	P	P	17 08 28.3	+0.6	R46A	Gibson Southern	23.55	39	P	P	17 08 59.8	+0.5	G39A	Holcomb	27.25	23	P	P	17 09 32.5	-0.3
Z48A	Northport	20.59	49	P	P	17 08 29.0	+0.9	O03E	Paynes Creek	23.55	329	P	P	17 09 01.0	+1.7	AC5O	Alum Creek Sta	27.54	40	P	P	17 09 37.9	+2.3
U43A	Rector	20.61	38	P	P	17 08 28.8	+0.6	O42A	Bath	23.58	32	P	P	17 08 59.5	-0.1	F38A	Pierce - Schro	27.57	22	P	P	17 09 34.8	-1.0
451A	Vernon	20.67	58	P	P	17 08 30.4	+1.4	SC1A	State Center	23.59	24	eP	P	17 09 00.4	+0.8	F05D	White Salmon	27.95	337	P	P	17 09 41.0	+1.8
Y47A	UCPARC Winfie	20.68	47	P	P	17 08 30.1	+1.1	G0GA	Godfrey	23.59	53	P	P	17 08 60.0	+0.3	F40A	Park Falls	28.18	24	P	P	17 09 40.2	-1.0
T42A	Van Buren	20.69	36	P	P	17 08 29.9	+0.8	N41A	Harden Midland	23.61	30	P	P	17 09 00.6	+0.8	E39A	Mellen	28.40	23	P	P	17 09 42.5	-0.7
149A	Jones	20.74	52	P	P	17 08 30.3	+0.5	Q45A	Warren Harvey,	23.64	37	P	P	17 09 01.0	+0.9	F41A	Three Lakes	28.42	25	P	P	17 09 42.8	-0.6
S41A	Jillico Farms,	20.76	34	P	P	17 08 29.9	+0.1	M39A	Webster	23.65	27	P	P	17 09 00.5	+0.3	AGMN	Agassiz Nation	28.55	14	P	P	17 09 44.7	+0.2
LRAL	Lakeview Retre	20.81	51	eP	P	17 08 31.9	+1.5	Y53A	Monroe	23.70	52	P	P	17 09 00.8	0.0	E40A	Wakefield	28.70	24	P	P	17 09 45.3	-0.6
LRAL	Lakeview Retre	20.81	51	P	P	17 08 32.0	+1.5	H17A	Grant Village	23.74	352	P	P	17 09 01.7	+0.4	NEW	Newport	28.73	345	LR	LR	17 21 22.4	
250A	Grady	20.84	54	P	P	17 08 31.6	+0.8	255A	Hazlehurst	23.75	58	P	P	17 09 01.6	+0.3	EYMN	Ely	29.44	20	P	P	17 09 52.0	-0.4
X47A	Russelle	21.02	46	P	P	17 08 33.3	+0.6	P44A	Sand Creek, Wi	23.80	35	P	P	17 09 01.5	-0.1	N59A	Star Game Lan	32.52	45	P	P	17 10 19.7	+0.1
W46A	Michie	21.04	44	P	P	17 08 33.7	+0.7	X52A	Dahlonega	23.83	50	P	P	17 09 02.3	+0.3	BINY	Binghamton	33.01	43	P	P	17 10 24.0	0.0
U44A	Portageville	21.12	39	P	P	17 08 34.9	+1.2	M40A	Post Highland	23.88	28	P	P	17 09 02.8	+0.5	OTAV	Otavallo	33.89	124	P	P	17 10 31.3	-1.1
Y48A	Jasper	21.15	48	P	P	17 08 35.0	+0.8	Z54A	Sparta	23.99	54	P	P	17 09 03.4	0.0	SDV	Santo Domingo	36.16	104	eP	P	17 10 49.3	-2.3
T43A	Greenville	21.18	37	P	P	17 08 34.6	+0.2	155A	Kite	24.03	56	P	P	17 09 04.4	+0.7	YKA	Yellowknife Ar	41.99	354	P	P	17 11 39.1	-0.4
Z49A	Columbiana	21.23	51	P	P	17 08 35.9	+0.9	W52A	Murphy	24.05	49	P	P	17 09 04.3	+0.3	EPYK	Eagle Plains	49.56	34	P	P	17 12 40.5	+1.1
150A	Eclectic	21.32	53	P	P	17 08 37.2	+1.3	T49A	Edmonton	24.07	43	P	P	17 09 04.6	+0.5	KD4K	Kodiak Island	49.91	329	P	P	17 12 41.3	-0.7
CCM	Cathedral Cave	21.37	34	eP	P	17 08 36.5	0.0	S48A	Wierman Farm,	24.07	42	P	P	17 09 04.9	+0.7	INK	Innik	50.39	347	P	P	17 12 46.1	+0.6
CCM	Cathedral Cave	21.37	34	P	P	17 08 37.0	+0.5	N42A	Yates City	24.09	31	P	P	17 09 04.7	+0.4	HDA	Harding Lake	51.22	339	P	P	17 12 52.3	+0.4
S42A	Caledonia	21.39	35	P	P	17 08 37.3	+0.6	EC5D	EROS Data Cent	24.10	17	P	P	17 09 04.9	+0.5	ILAR	Eielson Array	51.43	339	P	P	17 12 54.2	+0.8
R41A	Rosebud	21.48	33	P	P	17 08 38.3	+0.7	V51A	Loudon	24.12	47	P	P	17 09 05.2	+0.6	SAML	Samuel	51.52	121	eP	P	17 12 52.9	-1.8
BGNE	Belgrade	21.52	16	P	P	17 08 38.1	0.0	U50A	Jamestown	24.12	46	P	P	17 09 05.3	+0.6	POKR	Poker Plat Res	51.83	339	P	P	17 12 58.2	+1.8
X48A	Hartselle	21.54	47	P	P	17 08 39.1	+0.9	MOD	Modoc Plateau	24.16	333	eP	P	17 09 06.7	+1.6	LPZA	La Paz	52.44	132	P	P	17 12 59.5	-2.8
251A	Midway	21.54	55	P	P	17 08 39.3	+0.9	R47A	Wooly Knot Far	24.19	40	P	P	17 09 06.3	+1.1								

29d 17h

Table with columns: Code, Station Name, Az, El, P, Sn, Time, Res, ISC, H, M, S, ISC. Includes stations like COPN Copaltepe, MOMM Motomombo, CEVE Cerro Verde, SBLs San Blas, etc.

ADC 29 17:20:46.2.1.1, 40.06N:71.51E, h0km, mb3.5/4, mb1 3.5/9, mb1mx3.4/6, mbtm3.4/9, ML2.8/5, MS3.5/1, Ms1 3.5/1, ms1mx2.3/50, Error ellipse: s-maj=18.8km s-min=15.9km az=140.0

KRNET 29 17:20:49.6.0.1, 40.17N:71.59E, h12km, mb3.5, ISCJB 29 17:20:51.0.1.2, 40.09N:0.03:71.56E:0.04, h15km, 9km, mb3.5/4, MS3.5/1, Error ellipse: s-maj=5.9km s-min=5.0km az=173.6

SOME 29 17:20:52.5.0.33N:71.60E, h5km, NNC 29 17:20:54.5.2.0.40:39N:71.61E, h7km, 7km, mb3.8, mpv3.5, Error ellipse: s-maj=15.8km s-min=6.8km az=2.0

ISC 29 17:20:51.7.1.2, 40.01N:0.04:71.41E:0.03, h31km, 9km, n52, r195/82, mb3.6/4, 19C-26D, Tajikistan

Table with columns: Code, Station Name, Az, El, P, Sn, Time, Res, ISC, H, M, S, ISC. Includes stations like BTk Batken, DRK Karamyk, ARK Arkit, AML Almayashu, etc.

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Table with columns: Code, Station Name, Az, El, P, Sn, Time, Res, ISC, H, M, S, ISC. Includes stations like CHMS Chumysh, CHMS Chumysh, USP Osenovka, etc.

PGC 29 17:35:17.0.52:08N:132:35W, h12km, 135km Ssw of Sandsip, Br Haida Gwaii Region

ISCJB 29 17:35:24.5.2.1, 52:51N:0.1:132:35W, 0.4, h18km, mb3.7/2, Error ellipse: s-maj=35.1km s-min=8.9km az=151.3

ISC 29 17:35:24.5.2.1, 52:51N:0.1:132:35W, 0.4, h18km, mb3.7/2, mb1 3.7/6, mb1mx3.4/6, mbtm3.4/6, ML3.6/4, Error ellipse: s-maj=37.7km s-min=7.6km az=60.0

ISC 29 17:35:26.7.1.6, 52:52N:0.2:132:1W, 0.2, h18km, n12, r151/9, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, El, P, Sn, Time, Res, ISC, H, M, S, ISC. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

ISC 29 17:36:00.9.0.7, 52:20N:131:99W, h0km, mb4.0/19, mb1 4.2/25, mb1mx4.1/48, mbtm4.0/25, ML3.6/5, MS3.5/7, Ms1 3.5/7, ms1mx3.1/40, Error ellipse: s-maj=15.7km s-min=7.4km az=57.0

ISCJB 29 17:36:02.4.0.5, 52:24N:0.05:131:99W, 0.1, h18km, mb4.0/20, MS3.5/2, Error ellipse: s-maj=10.5km s-min=5.6km az=146.8

NEIC 29 17:36:02.6.0.4, 52:17N:131:89W, h10km, mb4.4/2, Error ellipse: s-maj=10.7km s-min=5.8km az=223.0

ISC 29 17:36:03.4.0.7, 52:20N:0.08:131:99W, 0.09, h18km, n39, r123/36, mb4.1/20, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, El, P, Sn, Time, Res, ISC, H, M, S, ISC. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

1522

Table with columns: Code, Station Name, Az, El, P, Sn, Time, Res, ISC, H, M, S, ISC. Includes stations like BBB 22km,0.3s, baz=180,slow=21, SNR=7.2, WRK Wrangell Island, etc.

ISC 29 17:40:10.9.51.0, 15:25S:175:65W, h0km, ML3.8/3, mb1 4.0/3, mb1mx3.6/46, mbtm3.8/3, Error ellipse: s-maj=962.5km s-min=165.6km az=78.0, Tonga Islands

STKA Stephens Creek 41.90 240 Op P 17 48 03.4 +0.1

WRA Warramunga Arr 47.62 257 P 17 48 48.9 -0.2

ASAR Alice Springs 47.89 252 P 17 48 51.0 -0.3

SJA 29 17:40:26.1.0.6, 32:73S:72:22W, h10km, ML3.9, MW3.7

ISC 29 17:40:26.9.2.3, 32:47S:72:13W, h0km, mb3.9/2, mb1 3.8/5, mb1mx3.6/30, mbtm3.9/7.5, ML3.7/3, Error ellipse: s-maj=79.4km s-min=28.6km az=100.0

GUC 29 17:40:32.6.0.6, 32:53S:71:60W, h23km, 5km, ML3.7

ISC 29 17:40:29.4.1.4, 32:44S:0.03:71:82W, 0.06, h20km, 4km, n28, r194/48, 1C-3D, Near coast of central Chile

Table with columns: Code, Station Name, Az, El, P, Sn, Time, Res, ISC, H, M, S, ISC. Includes stations like ROCI El Roble, ROCH El Roble, etc.

Table with columns: Code, Station Name, Az, El, P, Sn, Time, Res, ISC, H, M, S, ISC. Includes stations like ANTU Antumapu, FCH Farellones, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like AAGR Agrelo, ZON Zonda, RTCV Cerro Valdivia, etc.

IDC 29 17:43:25.4:1.8, 10.17Sx124.28E, h0km, mb3.4/1, mb1 3.2/4, mb1mx3.1/39, mbtm3.1/4, ML2.9/3, MS3.6/1, Ms1 3.6/1, ms1mx2.6/15, Error ellipse: s-maj=30.2km s-min=12.2km az=4.0

ISCJB 29 17:43:27.8:0.7, 10.36S:0.07:124.15E:0.08, h36km, mb3.3/1, MS3.5/1, Error ellipse: s-maj=13.1km s-min=6.4km az=141.7

DJA 29 17:43:29.3:2.2, 10.5:21.12E:4.1, h10km, M2.8/5, MLV2.8/5

ISC 29 17:43:29.5:1.1, 10.31S:0.08:124.11E:0.08, h36km, n10, s1565/11, Timor region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like BATI Baumata, SOEI Sioe, MMRI Maumere, etc.

IDC 29 17:44:02.5:1.0, 52.48N:132.55W, h0km, mb4.0/5, mb1 3.9/13, mb1mx3.7/46, mbtm3.7/13, ML3.6/8, Error ellipse: s-maj=16.5km s-min=7.2km az=75.0

ISCJB 29 17:44:03.0:0.7, 52.54N:0.06:132.4W:0.1, h18km, mb3.9/6, Error ellipse: s-maj=11.1km s-min=6.2km az=142.9

ISC 29 17:44:05.0:0.9, 52.55N:0.08:132.41W:0.09, h18km, n22, s1552/18, mb3.9/6, Queen Charlotte Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like H02S1 DAWSON INLET T, H02S2 Yellowknife Ar, H02N1 VAN INLET T-PH, etc.

KNET 29 17:44:47.5:0.3, 42.15N:75.27E, h16km, 3km, ml2.7, Error ellipse: s-maj=3.3km s-min=1.6km az=5.0

SOME 29 17:44:48.8, 42.13N:75.23E, h15km

KRNET 29 17:44:48.3:0.1, 42.15N:75.25E, h9km, mb3.3

NINC 29 17:44:50.6:1.8, 42.27N:75.20E, h0km, 13km, mb3.5, mpv3.3, Error ellipse: s-maj=18.0km s-min=4.3km az=161.0

ISC 29 17:44:48.4:0.9, 42.11N:0.02:75.27E:0.02, h6km, 6km, n57, s1928/11, 38C-23D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like KZA Kyzart, UCH Uchtor, UCH Uchtor, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like KBK Karagaybulak, BOOM Boonskoye usch, BOOM, etc.

IDC 29 17:45:59.4:0.5, 59.336N:11.1S, h17.45 59.4 -0.5

ISCJB 29 17:45:59.4:0.5, 59.336N:11.1S, h17.45 59.4 -0.5

ISC 29 17:45:59.4:0.5, 59.336N:11.1S, h17.45 59.4 -0.5

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CHHK Chushkaly, CHHK, BOOM, etc.

IDC 29 17:48:55.1:1.4, 12.06N:144.22E, h0km, mb3.2/3, mb1 3.5/3, mb1mx3.2/45, mbtm3.2/3, Error ellipse: s-maj=45.3km s-min=18.9km az=109.0, South of Mariana Islands

ISCJB 29 17:48:55.1:1.4, 12.06N:144.22E, h0km, mb3.2/3, mb1 3.5/3, mb1mx3.2/45, mbtm3.2/3, Error ellipse: s-maj=45.3km s-min=18.9km az=109.0, South of Mariana Islands

ISC 29 17:48:55.1:1.4, 12.06N:144.22E, h0km, mb3.2/3, mb1 3.5/3, mb1mx3.2/45, mbtm3.2/3, Error ellipse: s-maj=45.3km s-min=18.9km az=109.0, South of Mariana Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like GUMO Guam, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 29 17:53:13.2:1.3, 32.66N:139.84E, h0km, mb3.2/2, mb1 3.6/3, mb1mx3.2/33, mbtm3.4/3, ML3.7/1, MS3.5/1, Ms1 3.5/1, ms1mx2.4/24, Error ellipse: s-maj=41.4km s-min=8.6km az=89.0

ISCJB 29 17:53:13.2:1.3, 32.66N:139.84E, h0km, mb3.2/2, mb1 3.6/3, mb1mx3.2/33, mbtm3.4/3, ML3.7/1, MS3.5/1, Ms1 3.5/1, ms1mx2.4/24, Error ellipse: s-maj=41.4km s-min=8.6km az=89.0

ISC 29 17:53:13.2:1.3, 32.66N:139.84E, h0km, mb3.2/2, mb1 3.6/3, mb1mx3.2/33, mbtm3.4/3, ML3.7/1, MS3.5/1, Ms1 3.5/1, ms1mx2.4/24, Error ellipse: s-maj=41.4km s-min=8.6km az=89.0

JM 29 17:53:13.2:1.3, 32.66N:139.84E, h0km, MB3.0

ISC 29 17:53:13.2:1.3, 32.66N:139.84E, h0km, MB3.0, n21, s146/22, Southeast of Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like JHCJ Hachijojimakas, JHCJ, JHJ2 Mitsune, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CHHK Chushkaly, CHHK, BOOM, etc.

IDC 29 18:02:22.3:1.3, 10.31S:124.08E, h0km, mb3.6/3, mb1 3.6/6, mb1mx3.4/41, mbtm3.5/6, ML3.4/3, Error ellipse: s-maj=29.7km s-min=15.3km az=20.0

ISCJB 29 18:02:22.3:1.3, 10.31S:124.08E:0.06, h36km, mb3.6/3, Error ellipse: s-maj=9.7km s-min=4.8km az=147.0

DJA 29 18:02:28.2:1.2, 10.5:11.12E:4.1, h10km, M3.2/5, MLV3.2/5

ISC 29 18:02:26.7:0.8, 10.29S:0.06:124.21E:0.06, h36km, n11, s147/16, mb3.7/3, Timor region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like SOEI Soe, BATI Baumata, MMRI Maumere, etc.

IDC 29 18:02:22.3:1.3, 10.31S:124.08E, h0km, mb3.6/3, mb1 3.6/6, mb1mx3.4/41, mbtm3.5/6, ML3.4/3, Error ellipse: s-maj=29.7km s-min=15.3km az=20.0

ISCJB 29 18:02:22.3:1.3, 10.31S:124.08E:0.06, h36km, mb3.6/3, Error ellipse: s-maj=9.7km s-min=4.8km az=147.0

DJA 29 18:02:28.2:1.2, 10.5:11.12E:4.1, h10km, M3.2/5, MLV3.2/5

ISC 29 18:02:26.7:0.8, 10.29S:0.06:124.21E:0.06, h36km, n11, s147/16, mb3.7/3, Timor region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like SOEI Soe, BATI Baumata, MMRI Maumere, etc.

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

LDG 29 18:22:43.0, 0.5, 36.91N; 13.22W, h25km, M13.4/3, Error ellipse: s-maj=10.3km s-min=9.0km az=46.0

Main table for 29d 18h section, listing various stations and their parameters.

Main table for 2012 OCT section, listing various stations and their parameters.

Main table for 1524 section, listing various stations and their parameters.

Table for 1524 section, listing various stations and their parameters.

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for stations 1527.

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for stations 2012 OCT.

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for stations 29d 20h.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PDMCI Parker Dam, Lak, BU3 Big Chuckwall, WUCZ Wupatki, ULM Lac du Bonnet, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SIRR Siria, BIZ Bicaz, BZS Buzias, etc.

Station information for IDC 29:20:21.07.2.1.2, 52.50N, 132.56W, h0km, mb3.9/5, mb1.4/0.10, mb1mx3.7/43, mbtmp3.7/10, ML3, 1/5, MS3.8/3, Ms1.3/8.3, ms1mx3.0/47, Error ellipse: s-maj=22.7km s-min=7.4km az=78.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H02S1 DAWSON INLET T, H02S1, H02N1 VAN INLET T-PH, etc.

Station information for IDC 29:20:33.12.3.1.9, 1.42N, 89.44E, h0km, mb3.5/3, mb1.3/7.5, mb1mx3.4/33, mbtmp3.5/5, ML3.6/2, Error ellipse: s-maj=56.8km s-min=24.7km az=52.0, North Indian Ocean

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PALK Paleleke, H0S2 Diego Garcia H, H0S3 Diego Garcia H, etc.

Station information for ISC/JA 29:20:35.33.4.0.2, 23.94N, 0.02, 122.26E, h25km, 3km, Error ellipse: s-maj=3.5km s-min=2.5km az=137.8

Station information for ISC 29:20:35.33.0.1, 23.97N, 122.27E, h18km, M2.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HWA Hwalien, TWD Chiawan, NACB Ninganchiao, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TWE Neicheng, NNS Nan Shan, EHY Hungye, etc.

Station information for UCR 29:20:37.13.1.1.5, 9.00N, 83.95W, h4km, 4km, MD4.0, ML2.9, Costa Rica

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like EDLM Las Mercedes, EDPN Palmar Norte, LCR2 La Lucha 2, etc.

Station information for SJA 29:20:38.17.7.0.5, 34.25S, 73.20W, h52km, 6km, ML4.0, MW3.9

29d 20h

Error ellipse: s-maj=12.0km s-min=7.8km az=16.8
ISC 29.20:38.29.7.2.1, 34.08S, 0.05:72.5W, 0.1, h38km, 4km, n25,
c329/38, Near coast of central Chile

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

PGC 29.20:49.42.5.9.5.2:16N, 131.70W, h14km, mb4.6,
ML4.8/25, Mw4.9, 121km south of Sandspit, Co Ba Haida
Gwaii Region

IDC 29.20:49.43.0.6.5:29N, 131.63W, h0km, mb4.3/20,
M1.4/3.30, mb1mx4.3/5.1, mbmp4.3/30, ML4.0/9, MS4.2/24,
M1.4/2.24, ms1mx4.0/46, Error ellipse: s-maj=14.3km
s-min=6.3km az=46.0

ISCJB 29.20:49.44.5.0.6.52:39N, 0.02:131.42W, 0.03, h8km, 4km,
mb4.6/92, MS4.4/31, Error ellipse: s-maj=4.5km
s-min=1.5km az=140.6

GCMT 29.20:49.45.0.3.52:18N, 0.01:131.75W, 0.03, h12km,
MW4.9/91, Moment Tensor Solution, s23,c27; s91,c143;
Duration: 0 Moment tensor: Scale 10^19Nm; Mr1.90z:0.07;
Mw:3.32z:0.7; Mw:1.42z:0.7; Mw:0.10z:2.1; Mw:0.02z:0.8;
Mw:0.90z:2.6; Best double couple: M2.95800z:1016
NF1s:58.00000z:857.00000z:1.43.00000z:NP2
b=301.00000z:855.00000z:1.138.00000z: Principal axes:
T 2.5940, P1g52.0000z: Azm271.0000z: N 0.7300z:
P1g38.0000z: Azm88.0000z: P -3.3820, P1g1.0000z:
Azm179.0000z: nst1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=55s. Triangular
moment-rate function

MOS 29.20:49.45.0.1.0.52:36N, 131.54W, h17km, mb4.8/29 Error
ellipse: s-maj=12.9km s-min=4.6km az=113.7

NEIC 29.20:49.46.9.0.1.52:38N, 131.49W, h10km, mb4.6/150,
MW4.9(OTT), Error ellipse: s-maj=5.2km s-min=1.6km
az=48.0

ISC 29.20:49.45.0.1.1.52:35N, 0.04:131.41W, 0.03, h3km, 6km,
n610, c1876/591, mb4.7/90, MS4.5/32, 11C, Queen
Charlotte Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Lists seismic stations for the Queen Charlotte Islands region.

2012 OCT

Table with columns: Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Lists seismic stations and their associated data points for October 2012.

1530

Table with columns: Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Lists seismic stations and their associated data points for October 2012.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like LOHW Long Hollow, SNOW Snow King Moun, REDW Red Top Meadow, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like PKCU Pink Cliffs, O20A White River Ci, O20A White River Ci, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SUSD Miller, AGMN Agassiz Nation, AGMN Agassiz Nation, etc.

29d 21h

Table of astronomical observations for 29d 21h, listing stations like SEY, PETK, PETK, etc., with columns for station name, coordinates, and observation details.

29d OCT

Table of astronomical observations for 29d OCT, listing stations like GOPC, KURK, KURK, etc., with columns for station name, coordinates, and observation details.

1532

Table of astronomical observations for 1532, listing stations like BALM, KIAG, KIAG, etc., with columns for station name, coordinates, and observation details.

MOS 29 21:03:06.3±2.6, 53°00'N:170°00'E, h23km, mb4.3/1, Error ellipse: s-maj=31.5km s-min=10.4km az=24.8

KRSC 29 21:03:06.3±1.8, 53°00'N:170°00'E, h22km, 33km, ML4.2, Near Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res. Listing various stations and their associated data.

29d 21h

Table of astronomical observations for 29d 21h, listing objects like LAMP, UMPA, PAYA, PEAOB, PETK, etc., with their coordinates and magnitudes.

2012 OCT

Table of astronomical observations for 2012 OCT, listing objects like KNGR, VVDA, VVDA, DMN, BILL, etc., with their coordinates and magnitudes.

1534

Table of astronomical observations for 1534, listing objects like EK2S, MAW, MAW, MAW, MAW, etc., with their coordinates and magnitudes.

ISCJB 29 21:32:0.0, 3.0, 5.6, 8.7, S: 0.05, 1.25, 4.5E: 0.10, h500km, mb3.5/E, Error ellipse: s-maj=12.9km s-min=6.8km az=172.2

IDC 29 21:32:41.3.0.9, 6.95S: 125.56E, h498km, 14km, mb3.1/6, mb1.3/3.10, mb1mx3.0/4.2, mbtmp4.1/1.0, Error ellipse: s-maj=28.1km s-min=10.7km az=72.0

DJA 29 21:32:56.8.0.8, 6.2S: 127.5E, h14km, 6km, M4.2/11, mB5.3/2, mb4.9/3, ML3.9/11, Mw(mB)4.7/2

ISC 29 21:32:41.5.0.7, 6.94S: 0.07, 125.6E: 0.1, h500km, n21, a1934/22, mb3.5/6, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like SOEI, BBSI, MMRI, BATI, etc.

ISCJJB 29 21:40:19.7.0.7, 17.6S: 0.2, 178.7W: 0.1, h547km, mb3.8/10, Error ellipse: s-maj=24.2km s-min=12.6km az=152.2

IDC 29 21:40:22.7.1.7, 17.67S: 178.66W, h579km, 23km, mb3.3/11, mb1.3/5.13, mb1mx3.2/4.7, mbtmp4.3/1.3, Error ellipse: s-maj=24.5km s-min=13.1km az=155.0

ISC 29 21:40:20.8.0.7, 17.6S: 0.2, 178.7W: 0.1, h547km, n15, a1925/16, mb3.8/10, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like AFI, DZM, URZ, CTA, etc.

NEIC 29 21:41:30.8.0.0, 61.55N: 140.92W, h1km, ML3.9(AEIC), After AEIC

ISCJJB 29 21:41:31.2.0.2, 61.62N: 0.02, 140.94W: 0.04, h10km, mb3.6/6, MS3.1/1, Error ellipse: s-maj=2.8km s-min=2.2km az=167.3

IDC 29 21:41:33.2.0.8, 61.79N: 141.06W, h0km, mb3.6/7, mb1.3/3.13, mb1mx3.6/6.1, mbtmp3.7/1.3, MS3.6/6, MS3.1/3, MS1.3/3, ms1mx3.4/3.9, Error ellipse: s-maj=14.7km s-min=9.5km az=36.0

ISC 29 21:41:32.1.0.5, 61.58N: 0.02, 141.05W: 0.02, h10km, n101, a2011/118, mb3.7/6, Southern Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like YUK1, YUK2, BALM, etc.

RIDG Deception Hill 278 323 P Pn 21 42 16.3 -0.4

Table with columns: RIDG, HAHK, DNHK, etc. Lists stations and their coordinates.

Table with columns: ILB, FC01, MCK, etc. Lists stations and their coordinates.

DLBC Dease Lake 6.36 115 ePn Pn 21 43 10.1 +4.2

DLBC Dease Lake 6.36 115 ePn Pn 21 43 10.1 +4.2

DLBC Dease Lake 6.36 115 ePn Pn 21 43 10.1 +4.2

DLBC Dease Lake 6.36 115 ePn Pn 21 43 10.1 +4.2

DLBC Dease Lake 6.36 115 ePn Pn 21 43 10.1 +4.2

DLBC Dease Lake 6.36 115 ePn Pn 21 43 10.1 +4.2

DLBC Dease Lake 6.36 115 ePn Pn 21 43 10.1 +4.2

DLBC Dease Lake 6.36 115 ePn Pn 21 43 10.1 +4.2

DLBC Dease Lake 6.36 115 ePn Pn 21 43 10.1 +4.2

DLBC Dease Lake 6.36 115 ePn Pn 21 43 10.1 +4.2

DLBC Dease Lake 6.36 115 ePn Pn 21 43 10.1 +4.2

DLBC Dease Lake 6.36 115 ePn Pn 21 43 10.1 +4.2

DLBC Dease Lake 6.36 115 ePn Pn 21 43 10.1 +4.2

DLBC Dease Lake 6.36 115 ePn Pn 21 43 10.1 +4.2

DLBC Dease Lake 6.36 115 ePn Pn 21 43 10.1 +4.2

DLBC Dease Lake 6.36 115 ePn Pn 21 43 10.1 +4.2

DLBC Dease Lake 6.36 115 ePn Pn 21 43 10.1 +4.2

DLBC Dease Lake 6.36 115 ePn Pn 21 43 10.1 +4.2

DLBC Dease Lake 6.36 115 ePn Pn 21 43 10.1 +4.2

DLBC Dease Lake 6.36 115 ePn Pn 21 43 10.1 +4.2

DLBC Dease Lake 6.36 115 ePn Pn 21 43 10.1 +4.2

DLBC Dease Lake 6.36 115 ePn Pn 21 43 10.1 +4.2

DLBC Dease Lake 6.36 115 ePn Pn 21 43 10.1 +4.2

DLBC Dease Lake 6.36 115 ePn Pn 21 43 10.1 +4.2

DLBC Dease Lake 6.36 115 ePn Pn 21 43 10.1 +4.2

mb4.3/20, mb4.8/8, MLv4.5/12, Mw(mB)4.1/8, IDC 29 21:46:58.8.0.7, 3.24N: 121.86E, h616km, 10km, mb3.4/22, mb1.3.5/26, mb1mx3.5/8, mbtmp4.5/2.6, Error ellipse: s-maj=12.6km s-min=7.1km az=63.0

ISC 29 21:46:58.8.0.4, 3.19N: 0.05, 121.89E: 0.06, h618km, n103, a1919/128, mb4.1/48, 1C-1D, Celebes Sea

MRSI Marisa 2.69 179 Op P ISC 21 48 17.0 -0.5

MRSI Marisa 2.69 179 Op P ISC 21 48 17.0 -0.5

MRSI Marisa 2.69 179 Op P ISC 21 48 17.0 -0.5

MRSI Marisa 2.69 179 Op P ISC 21 48 17.0 -0.5

MRSI Marisa 2.69 179 Op P ISC 21 48 17.0 -0.5

MRSI Marisa 2.69 179 Op P ISC 21 48 17.0 -0.5

MRSI Marisa 2.69 179 Op P ISC 21 48 17.0 -0.5

MRSI Marisa 2.69 179 Op P ISC 21 48 17.0 -0.5

MRSI Marisa 2.69 179 Op P ISC 21 48 17.0 -0.5

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MRSI Marisa 2.69 179 Op P ISC 21 48 17.0 -0.5

MRSI Marisa 2.69 179 Op P ISC 21 48 17.0 -0.5

IDC 29 21:46:15.3.1.0, 8.88S: 157.13E, h0km, mb3.8/8, mb1.4/0.9, mb1mx3.8/5.2, mbtmp3.8/9, ML4.2/1, MS3.3/7, MS1.3/3.7, ms1mx3.0/3.8, Error ellipse: s-maj=27.0km s-min=22.4km az=124.0

ISCJJB 29 21:46:16.2.0.7, 9.05S: 0.1, 157.33E: 0.07, h22km, mb3.7/8, MS3.9/2.5, Error ellipse: s-maj=19.2km s-min=9.7km az=3.6

ISC 29 21:46:18.4.0.3, 8.88S: 0.02, 157.30E: 0.09, h22km, n15, a1511/10, mb3.8/8, MS3.2/5, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like AS31, HNR, DZM, etc.

ISCJJB 29 21:46:57.6.0.2, 3.26N: 0.03, 121.89E: 0.04, h618km, mb4.1/48, Error ellipse: s-maj=5.8km s-min=3.3km az=148.2

NEIC 29 21:46:58.5.0.4, 3.25N: 121.85E, h606km, 6km, mb4.3/20, Error ellipse: s-maj=13.1km s-min=5.5km az=53.0

DJA 29 21:46:58.7.0.3, 3.3N: 121.8E, h598km, 2km, M4.3/20,

mb4.3/20, mb4.8/8, MLv4.5/12, Mw(mB)4.1/8, IDC 29 21:46:58.8.0.7, 3.24N: 121.86E, h616km, 10km, mb3.4/22, mb1.3.5/26, mb1mx3.5/8, mbtmp4.5/2.6, Error ellipse: s-maj=12.6km s-min=7.1km az=63.0

ISC 29 21:46:58.8.0.4, 3.19N: 0.05, 121.89E: 0.06, h618km, n103, a1919/128, mb4.1/48, 1C-1D, Celebes Sea

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

ISCJJB 29 21:46:57.6.0.2, 3.26N: 0.03, 121.89E: 0.04, h618km, mb4.1/48, Error ellipse: s-maj=5.8km s-min=3.3km az=148.2

1539

Table with columns: SEY, H1N2, H1N3, H1N1, MKAR, LPAZ. Includes station names, coordinates, and times.

IDC 29 22:41:07.1-0.6, 15.20S; 173.34W, h0km, mb4.3/12, mb1.4/6/12, mb1mx4.3/30, mbtmp4.3/12, MS4.1/23, Ms1.4.1/23, ms1mx4.0/31, Error ellipse: s-maj=28.9km s-min=15.1km az=129.0

NEIC 29 22:41:08.5-3.4, 15.24S; 173.30W, h9km, 20km, mb4.7/96, Error ellipse: s-maj=8.4km s-min=4.4km az=124.0

NEIC Felt in American Samoa, ISC/JB 29 22:41:10.1-0.2, 15.24S; 0.06; 173.39W; 0.06, h30km, mb4.6/110, MS4.1/22, Error ellipse: s-maj=10.4km s-min=6.0km az=38.8

GCMT 29 22:41:17.5-0.1, 14.96S; 0.02; 173.10W; 0.02, h21km, 1km, MW5.1/85, Moment Tensor Solution. s28.c35; s85.t04; Duration: 0 Moment tensor: Scale 10^16Nm; Mw: 2.09±.18; Ms: 3.89±.16; M0: -0.90±.12; M1: -4.50±.35; M2: 0.08±.08; M3: 1.04±.20; Best double couple: M0: 5.779000; 1016 NP1: 101.000000; 672.000000; -1.80.000000. NP2: 0.252.000000; 820.000000; -118.000000. Principal axes: T: 6.1360, Plg27.000000, Azm184.000000; P: -5.4220, Plg62.000000, Azm26.000000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 29 22:41:12.2-0.5, 15.18S; 0.08; 173.37W; 0.09, h30km, n191, s180/1161, mb4.7/110, MS4.2/22, Tonga Islands

Main table for 1539 with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AFi, AFU, FUNA, KANTON, RAR, DZM, etc.

2012 OCT

Main table for 2012 OCT with columns: GSPA, MOD, K05A, SHPR, Y14A, PINE, R11A, KSRS, TUC, WVOR, X16A, LCMT, J08A, 319A, CCUT, KNB, U15A, PSUT, USRK, WUJ2, PKCU, G08A, X18A, MTPU, HAWA, MSU, E08A, BMO, DUG, D08A, PMR, BGU, E09A, F10A, DIV, TMUT, BMRM, B08A, HLID, KLU, SCM, SPUT, C09A, SRU, P17A, NJ2, MNXT, HWUT, PV10, PV13, TRF, PV03, TX31, TXAR, TXAR, PV12, NEW, PV01, RND, ANMO, BPWA, MCK, HYT, AHD, BWN, MSO, REDW, TPWA, FXWY, S22A, O20A, RIDG, WRH, IMW, DOT, MLY, MOOW, LOHW, HDA, CCB, FLWY, YHB, BW06, PD31, PDAR, SCAR, YMR, SMC0, COLA. Includes station names, coordinates, and times.

29d 23h

Main table for 29d 23h with columns: MDM, BOZ, IL1, ILAR, ILAR, ILB, IM3, YHH, SDCO, MSTD, T25A, DAWW, Q24A, EGAK, RLMT, N23A, K22A, AMTX, EGMT, ABTX, LAO, WHTX, MAW, MAW, MAW, HHC, HHC, PLCA, KMI, LZH, LZH, LZH, ULM, SONM, ROSC, DPC, MROC, LANS, JYAC, VRAC, KRUC, VYHS, KMBO, KMBO, KHC, KHC, MODS, GEC2, GERES, GEA0, BR13, BRTR, BFO, WANS, ESDC. Includes station names, coordinates, and times.

IDC 29 22:46:21.6-2.5, 17.93S; 168.24E, h0km, mb3.9/3, mb1.4/1/1, mb1mx3.7/23, mbtmp3.9/4, ML4.1/1, Error ellipse: s-maj=65.6km s-min=40.2km az=125.0, Vanuatu Islands

Table for 29d 23h with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DZM, DZM, STKA, WRA, ASAR, ARCES.

ISK 29 23:09:05.8, 38.84N; 43.28E, h19km, ML1.7/4, ISC/JB 29 23:09:06.0-0.7, 38.85N; 0.03; 43.34E; 0.05, h28km, 6km, Error ellipse: s-maj=7.1km s-min=5.1km az=13.2

DDA 29 23:09:06.9, 38.85N; 43.32E, h7km, M12.7, ISC 29 23:09:07.0-1.0, 38.84N; 0.03; 43.32E; 0.03, h18km, 3km, n12, i124/23, Turkey

Table for 29d 23h with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ERCV, VMUR, VANB, TVAN, ADCV, CLDR, GEVA, TUTA, AGRB, GURO, EKAR.

MEX 29 23:10:25.1-0.7, 16.37N; 98.39W, h1km, MD3.5, Near coast of Guerrero

Table for 29d 23h with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PNIG, TLIG, TLIG.

IDC 29 23:19:54.1-1.2, 52.49N; 132.49W, h0km, mb3.9/7, mb1.4/0/10, mb1mx3.8/36, mbtmp3.8/10, ML3.6/3, MS3.6/2, Ms1.3/62, ms1mx2.8/61, Error ellipse: s-maj=21.2km

29d 23h

2012 OCT

1540

Table with columns: Code, Station Name, Az, Phase, Op, ISC, H, m, s, Res. Includes entries for DIB Dawson Inlet, H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, etc.

Table with columns: Code, Station Name, Az, Phase, Op, ISC, H, m, s, Res. Includes entries for ISCJB 29 23:40:18.5, 0.2, 8.17S, 0.02, 123.56E, 0.03, h33km, etc.

Table with columns: Code, Station Name, Az, Phase, Op, ISC, H, m, s, Res. Includes entries for KMI KMI, KMI comp=Z, 7.0nm, 1.0s, NJ2 Nanjing, etc.

Table with columns: Code, Station Name, Az, Phase, Op, ISC, H, m, s, Res. Includes entries for IDC 29 23:21:25.9, 1.3, 5.2, 42N, 132.67W, h0km, etc.

Table with columns: Code, Station Name, Az, Phase, Op, ISC, H, m, s, Res. Includes entries for ISCJB 29 23:21:28.1, 1.0, 5.2, 6N, 0.1, 132.3W, 0.2, h18km, etc.

Table with columns: Code, Station Name, Az, Phase, Op, ISC, H, m, s, Res. Includes entries for KMI KMI, KMI comp=Z, 7.0nm, 1.0s, NJ2 Nanjing, etc.

Table with columns: Code, Station Name, Az, Phase, Op, ISC, H, m, s, Res. Includes entries for IDC 29 23:40:15.9, 0.6, 8.06S, 123.61E, h0km, etc.

Table with columns: Code, Station Name, Az, Phase, Op, ISC, H, m, s, Res. Includes entries for ISCJB 29 23:40:18.5, 0.2, 8.17S, 0.02, 123.56E, 0.03, h33km, etc.

Table with columns: Code, Station Name, Az, Phase, Op, ISC, H, m, s, Res. Includes entries for KMI KMI, KMI comp=Z, 7.0nm, 1.0s, NJ2 Nanjing, etc.

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

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

DJA 30 00:04:03.5±1.0, 8°S, 124°E, h13km, 9km, M3, 8/7, ML3.7, Flores region

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res. Includes stations like Gediz, Tavsani, Kula-Manisa, etc.

Main table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res. Includes stations like SBT5, BRDR, BURDUR-Merkez, etc.

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

ADC 30 00:18:13.6±6.1, 1.4:835x172:34W, h0km, mb3.5/2, mb1 3.8/2, mb1mx3.5/39, mbtmp3.5/2, Error ellipse: s-maj=245.8km s-min=17.8km az=133.0, Samoa Islands

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res. Includes stations like AFI, AF1, etc.

ADC 30 00:25:17.7±4.0, 36:34N:69:97E, h139km, 31km, mb3.6/4, mb1 3.5/10, mb1mx2.5/59, mbtmp4.0/10, Error ellipse: s-maj=142.4km s-min=15.0km az=158.0, ISCJB 30 00:25:20.7±0.5, 36:54N:0:04:69:98E, h0.06, h213km, mb3.5/3, Error ellipse: s-maj=7.5km s-min=5.0km az=159.3

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

ADC 30 00:25:21.0±0.7, 36:54N:0:05:70.05E, h0.06, h213km, n42, c2:43/46, mb3.6/3, 5C-3D, Hindu Kush region

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

ADC 30 00:25:20.7±0.5, 36:54N:0:04:69:98E, h0.06, h213km, mb3.5/3, Error ellipse: s-maj=7.5km s-min=5.0km az=159.3

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

ADC 30 00:25:21.0±0.7, 36:54N:0:05:70.05E, h0.06, h213km, n42, c2:43/46, mb3.6/3, 5C-3D, Hindu Kush region

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

ADC 30 00:32:17.5±14.0, 0:05N:122:60E, h259km, 157km, mb3.0/4, mb1 3.1/5, mb1mx2.8/45, mbtmp3.6/5, Error ellipse: s-maj=94.9km s-min=26.5km az=59.0, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PDAR Pinedale Array, TXAR Lajitas Array, TORD Torodi Ar. Bea.

PGC 30 02:17:09.6:26.0, 52:21N:132:43W, h23km, 232km, 123km Wsw of Sandspit, Bc Haida Gwaii Region

NEIC 30 02:17:09.0:0.6, 52:22N:132:42W, h20km, mb4.1/56, ML4.5(OTT), After OTT

IDC 30 02:17:10.8:1.0, 52:30N:132:17W, h0km, mb3.9/8, mb1.4/113, mb1mx3.8/55, mbtmp3.9/13, ML3.6/6, MS3.4/13, Ms1.3/4.13, ms1mx3.3/55, Error ellipse: s-maj=21.0km s-min=9.8km az=57.0

ISC 30 02:17:13.0:0.7, 52:63N:10:07:132:03W, 0.08, h18km, n117, e2545/99, mb4.2/29, MS3.7/4, Queen Charlotte Islands region

Main table for 1549 containing station data for DIB, H02S1, H02N1, BBB, BBB, BBB, CRAG, WRAK, WRAK, SIT, DLBC, DLBC, DLBC, KLU, F10A, SCM, K05A, YBH, KDAA, MOD, YKA, YKA, YKA, YKB5, MCK, IL1, ILAR, ILAR, TRF, WRH, CCB, COLA, HLID, MDM, EGMT, BPAW, QLMT, MLY, INK, INK, INK, YHB, VCNR, YHH, YMR, GCMT, YERR, H17A, IMW, FXWY, KVN, MOOW, TPAW, RYN, LOHW, REDW, NV01, NVAR, NVAR, IM3, HWUT, B0W6, PD31, PDAR, PDAR, DUG, R11A, PSUT, TPNV, TPNV, TPNV, ISZC, SHPR, SRU, GSC, LCMT, PKCU, O20A, KNB, PV09, PV21, PV23, U15A, PV10, PV22.

Table for 2012 OCT containing station data for PV14, PV16, PV17, PV11, PV18, PV12, PV13, PV02, PV01, ULM, ULM, ULM, WUAZ, WUAZ, S22A, AGMN, S180, XDBA, ANMO, ANMO, EYMN, TX31, LTX, TXAR, SCHO, SUMC, H11N2, H11N3, H11N1, SONA, SONA, KURK, KURB, MKAR, MKAR, AKTO, LPZA.

IDC 30 02:17:31.2:5.5, 36:20N:70:78E, h158km, 50km, mb3.3/6, mb1.3/3.11, mb1mx3.1/56, mbtmp3.8/11, MS2.8/1, Ms1.2/8.1, ms1mx2.3/29, Error ellipse: s-maj=39.3km s-min=20.4km az=12.3

NEIC 30 02:17:32.4:2.3, 36:25N:70:82E, h187km, 13km, mb4.3/4, BJI 30 02:17:32.4:0.3, 36:40N:70:80E, h185km, mb4.7/5

ISCJB 30 02:17:35.2:0.5, 36:61N:0:03:70:94E, 0.07, h188km, mb3.9/8, Error ellipse: s-maj=8.4km s-min=3.9km az=164.9

NNC 30 02:17:40.0:9.4, 36:93N:70:68E, h158km, 131km, mb3.2, mpv4.0, Error ellipse: s-maj=82.9km s-min=52.4km az=1.0

ISC 30 02:17:35.4:0.6, 36:59N:0:05:70:97E, 0.08, h188km, n15, e1567/62, mb3.3/9, 6C-4D, Hindu Kush region

Main table for 2012 OCT containing station data for CEP, CEP, CHCP, KSH, AML, NRN, UCH, ERK, KK31, KK31, KK31, AAK, AAK, AAK, AAK, KBK, CHMS, USP, TKM2, TKM2, PYUN, MK01, MK01, MKAR, MKAR, MKAR, DANN, WMQ, DMN, KKN, AB31, AB31, AB31, KURB, KURB, PKB, PKB, PKI, GUN, JIRN.

Table for 30d 2h containing station data for RAMM, BVAR, BRVK, AKTO, AKTO, UOSS, ZAAO, ZALV, ZALV, SHL, LZH, LZH, LZH, KMI, HHC, HHC, HHC, AREC, AREC, AREC, NOA, TORD, WRA, ASAR, E09A.

ISCJB 30 02:24:07.8:0.9, 28:75S:0:1:177:5W, 0.2, h54km, mb3.9/5, Error ellipse: s-maj=23.6km s-min=19.6km az=42.8

IDC 30 02:24:09.6:2.0, 28:74S:177:55W, h53km, 15km, mb3.7/5, mb1.3/9.5, mb1mx3.7/33, mbtmp3.9/5, MS3.2/1, Ms1.3/2.1, ms1mx2.6/40, Error ellipse: s-maj=30.3km s-min=28.8km az=157.0

ISC 30 02:24:09.7:0.8, 28:75S:0:2:177:5W, 0.2, h54km, n23, e086/16, mb4.0/5, Kermadec Islands region

Main table for 30d 2h containing station data for RAO, URZ, URZ, DZM, ASAR, WRA, VYDA, MAW, SNA, VNA3, VNA2, VNA1, ARCES, H10S, H10S2, H10S1, H10S1, H10N1, H10N2, AB2, BRTR, TORD.

ISCJB 30 02:30:58.1:2.6, 52:30N:0:10:132:9W, 0.5, h10km, mb3.3/1, Error ellipse: s-maj=41.8km s-min=10.0km az=165.5

IDC 30 02:30:58.9:3.0, 52:29N:132:76W, h0km, mb3.4/1, mb1.3/6.5, mb1mx3.4/46, mbtmp3.3/5, ML3.5/4, Error ellipse: s-maj=49.9km s-min=11.3km az=79.0

ISC 30 02:31:00.7:2.6, 52:40N:0:11:132:6W, 0.3, h10km, n10, e1527/7, Queen Charlotte Islands region

Main table for 30d 2h containing station data for H02S1, H02N1, BBB, DLBC, NVAR, PDAR, TXAR, H11N2, H11N3, H11N1, STKA, ASAR, WRA, TXAR.

PGC 30 02:41:40.7:0.6, 53:04N:132:37W, h16km, 8km, 43km Wsw of Sandspit, Bc Haida Gwaii Region

IDC 30 02:41:42.6:1.7, 52:33N:132:42W, h0km, mb3.8/2, mb1.4/0.7, mb1mx3.7/36, mbtmp3.7/7, ML3.4/4, Error ellipse: s-maj=29.0km s-min=10.0km az=68.0

ISCJB 30 02:41:43.1:1.3, 52:44N:0:1:132:3W, 0.3, h10km, mb3.7/2, Error ellipse: s-maj=26.3km s-min=8.7km az=152.0

ISC 30 02:41:44.4:1.5, 52:44N:0:1:132:1W, 0.2, h10km, n15, e1527/7, Queen Charlotte Islands region

KCPM	Chato Peak	13.79 151	ePn	Pn	02 52 21.0 +4.1
O03E	Paynes Creek	13.82 145	P	Pn	02 52 21.0 +3.7
ELMT	Elliston	13.96 106	Pn	Pn	02 52 19.7 +0.4
ELMT	Elliston	13.96 106	Pn	Pn	02 52 19.7 +0.4
YKA	Yellowknife Ar	13.98 35	Pn	Pn	02 52 16.1 -3.1
YKBS	Yellowknife Ar	13.98 35	ePn	Pn	02 52 15.9 -3.3
YKW1	Yellowknife Ar	14.01 35	Pn	Pn	02 52 16.0 -3.7
YKW1	Yellowknife Ar	14.01 35	Pn	Pn	02 52 16.0 -3.7
YKW3	Yellowknife Ar	14.02 35	ePn	Pn	02 52 17.1 -2.6
YKW3	Yellowknife Ar	14.02 35	Pn	Pn	02 52 16.9 -2.8
HRY	Holter Researc	14.26 104	ePn	Pn	02 52 24.5 +1.2
HRY	Holter Researc	14.26 104	Pn	Pn	02 52 23.7 +0.4
HBMT	Mount Humbug	14.28 109	Pn	Pn	02 52 23.6 -0.2
HBMT	Mount Humbug	14.28 109	Pn	Pn	02 52 23.6 -0.2
RND	Reindeer	14.33 328	ePn	Pn	02 52 23.9 -0.3
RND	Reindeer	14.33 328	ePn	Pn	02 52 23.9 -0.3
LRM	Limekiln Ridge	14.35 108	Pn	Pn	02 52 23.5 -1.2
LRM	Limekiln Ridge	14.35 108	Pn	Pn	02 52 23.5 -1.2
SKT	Skwentna	14.38 321	ePn	Pn	02 52 24.6 -0.2
EPYK	Eagle Plains	14.46 353	P	Pn	02 52 26.2 +0.4
HDA	Harding Lake	14.51 334	ePn	Pn	02 52 27.2 +0.7
HDA	Harding Lake	14.51 334	P	Pn	02 52 26.4 -0.1
DLMT	Dillon	14.53 110	ePn	Pn	02 52 28.0 +0.9
HOPS	Hopland Field	14.58 151	ePn	Pn	02 52 30.5 +2.9
ORV	Oroville	14.58 146	ePn	Pn	02 52 30.0 +2.4
ORV	Oroville	14.58 146	ePn	Pn	02 52 30.0 +2.4
MCK	McKinley	14.59 329	ePn	Pn	02 52 28.6 +0.9
HLID	Hailey	14.63 119	P	Pn	02 52 29.4 +0.4
HLID	Hailey	14.63 119	P	Pn	02 52 29.4 +0.9
MCMT	McKenzie Canyo	14.69 112	ePn	Pn	02 52 30.0 +0.6
BEKR	Beckworth	14.72 142	ePn	Pn	02 52 30.3 -2.9
IL1	Eielson Array	14.77 335	ePn	Pn	02 52 24.4 -5.7
ILAR	Eielson ray	14.77 335	P	Pn	02 52 27.0 -3.1
ILAR		0.1nm, 0.3s, baze=157, slow=12, SNR=9.7	LR	LR	02 58 16.9
ILB	Thorfare Moun	14.77 335	ePn	Pn	02 52 29.1 -1.1
TRF	Thorfare Moun	14.84 327	ePn	Pn	02 52 30.8 -0.3
WRH	Wood River Hill	14.87 332	ePn	Pn	02 52 30.1 -1.4
EGMT	Eagleton	14.91 97	ePn	Pn	02 52 32.1 -0.1
EGMT	Eagleton	14.91 97	P	Pn	02 52 32.0 -0.2
CCB	Clear Creek Bu	14.93 333	ePn	Pn	02 52 32.2 +0.1
BOZ	Bozeman (W)	14.96 108	ePn	Pn	02 52 32.8 -0.1
BOZ	Bozeman (W)	14.96 108	ePn	Pn	02 52 32.8 -0.1
BOZ	Bozeman (W)	14.96 108	ePn	Pmax	02 52 32.8 -0.1
BOZ	Bozeman (W)	14.96 108	P	Pn	02 52 32.8 -0.1
BWN	Browne	15.06 330	ePn	Pn	02 52 35.5 +1.4
COLA	College	15.11 334	ePn	Pn	02 52 35.5 +0.9
COLA	College	15.11 334	eP	Pn	02 52 35.5 +0.9
COLA	College	15.11 334	eP	Pmax	02 52 35.5 +0.9
COLA	College	15.11 334	P	Pmax	02 52 35.5 +0.9
TCOL	CIGO, UAF Yank	15.12 334	P	Pn	02 52 34.3 -0.4
PPLA	Purkeypile	15.16 323	ePn	Pn	02 52 36.7 +1.2
POKR	Poker Plat Res	15.19 335	P	Pn	02 52 35.8 +0.1
CLVN	Colville Lake	15.24 9	Pn	Pn	02 52 34.5 -1.7
CLVN	Colville Lake	15.24 9	Pn	Pn	02 52 34.5 -1.7
PAHR	Pat Rah Range	15.24 140	ePn	Pn	02 52 39.7 -1.9
MDM	Murphy Dome	15.28 333	ePn	Pn	02 52 36.6 -0.3
AFDM	Forest Hills D	15.31 145	ePn	Pn	02 52 39.8 +2.4
MCCM	Marconi Confer	15.42 152	ePn	P	02 52 42.3 -1.1
VCNR	Virginia City	15.49 141	ePn	P	02 52 43.3 -1.2
BPBW	Bear Paw Mtn.	15.50 328	ePn	Pn	02 52 39.2 -0.6
QLMT	Earthquake Lak	15.51 110	ePn	Pn	02 52 41.4 +1.2
RUBR	Rubicon Trail	15.51 143	ePn	P	02 52 46.0 +1.3
BMN	Battle Moutai	15.56 133	ePn	P	02 52 44.9 -0.3
BMN	Battle Moutai	15.56 133	eP	P	02 52 44.9 -0.3
BMN	Battle Moutai	15.56 133	ePmax	Pmax	02 52 44.9 -0.3
SVW2	Sparrevohn	15.64 314	ePn	Pn	02 52 42.6 +1.0
PNTR	Pine Nut	15.69 141	ePn	P	02 52 46.1 -0.5
YHB	Horse Butte	15.69 110	ePn	Pn	02 52 37.5 -5.1
YHH	Holmes Hill	15.87 109	ePn	Pn	02 52 45.5 +0.6
YMR	Madison River	15.87 110	ePn	Pn	02 52 46.3 +1.4
CHGN	Chignik	15.89 296	ePn	Pn	02 52 39.8 -5.0
YERR	Yering	15.92 141	ePn	Pn	02 52 44.6 -0.9
GCMT	Greycliff	16.02 104	ePn	Pn	02 52 47.5 +0.8
MLY	Manley	16.06 331	ePn	Pn	02 52 47.0 -0.1
YPP	Pitchstone Pla	16.20 111	ePn	P	02 52 51.7 -0.7
INK	Inuvik	16.23 358	P	Pn	02 52 48.7 -0.4
INK	Inuvik	16.23 358	P	LR	02 59 25.7
INK	Inuvik	16.23 358	ePn	Pn	02 52 50.0 +0.9
INK	Inuvik	16.23 358	Pn	Pn	02 52 48.0 -1.2
H17A	Grant Village	16.26 110	P	P	02 52 51.9 -1.1
H17A	Grant Village	16.26 110	P	P	02 52 52.7 -0.3
WAKR	Walker	16.26 142	ePn	Pn	02 52 52.8 -0.2
LKWY	Lake	16.26 109	ePn	Pn	02 52 52.8 -0.3
LKWY	Lake	16.26 109	eP	P	02 52 52.8 -0.3
LKWY	Lake	16.26 109	ePmax	Pmax	02 52 52.8 -0.3
KVN	Kaiserville	16.32 138	ePn	P	02 52 53.2 -0.5
KVN	Kaiserville	16.32 138	eP	P	02 52 53.2 -0.5
KVN	Kaiserville	16.32 138	ePmax	Pmax	02 52 53.2 -0.5
CMB	Columbia Colle	16.33 145	ePn	P	02 52 54.0 +0.4
CMB	Columbia Colle	16.33 145	eP	P	02 52 54.0 +0.4
CMB	Columbia Colle	16.33 145	ePmax	Pmax	02 52 54.0 +0.4
IMW	Indian Meadow	16.35 112	ePn	Pn	02 52 55.2 +1.3
FLWY	Flag Ranch	16.37 111	ePn	Pn	02 52 52.9 -1.3
FXWY	Fox Creek	16.46 113	ePn	Pn	02 52 54.9 -0.3
RYN	Ryan	16.51 140	ePn	P	02 52 55.6 -0.1
MOOW	Moose Ponds	16.55 112	ePn	P	02 52 55.0 -1.2
TPAW	Teton Pass	16.59 113	ePn	P	02 52 57.5 +0.7
RLMT	Red Lodge	16.61 106	ePn	Pn	02 52 53.6 -0.8
RLMT	Red Lodge	16.61 106	P	Pn	02 52 55.4 +1.0
LOHW	Long Hollow	16.71 112	ePn	P	02 52 57.9 -0.2
SNOW	Snow King Moun	16.72 113	ePn	P	02 52 59.4 +1.2
REDW	Red Top Meadow	16.73 113	ePn	P	02 52 58.5 +0.2
HVU	Hansel Valley	16.73 121	ePn	P	02 52 57.2 -1.0
HVU	Hansel Valley	16.73 121	eP	Pmax	02 52 57.2 -1.0
HVU	Hansel Valley	16.73 121	ePmax	Pmax	02 52 57.2 -1.0
NV01	Mina Array Sit	16.77 139	ePn	P	02 52 58.4 -0.2
NVAR	Mina Array Sea	16.77 139	Pn	P	02 52 58.7 +0.1

NV11	Mina Array Sit	16.82 139	ePn	P	02 52 59.6 +0.5
AHID	Auburn Hatcher	16.97 115	ePn	P	02 53 00.6 -0.3
SDPT	Sand Point	17.03 292	ePn	Pn	02 52 53.9 -5.4
SAO	San Andreas Ge	17.13 150	eP	Pn	02 53 00.5 -0.3
SAO	San Andreas Ge	17.13 150	eP	Pmax	02 53 00.5 -0.3
MDPB	Devils Postpil	17.16 143	ePn	P	02 53 04.3 +1.3
OMMB	Old Mammoth Ml	17.20 142	ePn	P	02 53 05.1 +1.5
BGU	Big Grassy Mou	17.21 123	ePn	P	02 53 02.8 -0.7
SPUT	South Promonto	17.24 121	ePn	P	02 53 04.0 +0.3
MLAC	Mammoth, Mammo	17.25 142	P	P	02 53 04.4 +0.4
HWUT	Hardware Ranch	17.50 119	ePn	P	02 53 07.1 +0.4
COLD	Coldfoot	17.55 336	ePn	P	02 53 06.7 -0.1
IM3	Indian Moutai	17.63 330	ePn	Pn	02 53 05.5 -1.3
LAO	LASA Array	17.66 98	ePn	P	02 53 08.1 -0.2
LAO	LASA Array	17.66 98	P	P	02 53 09.7 +1.4
PMPB	Monarch Peak	17.84 149	ePn	P	02 53 14.5 +4.2
BW06	Boulder Array	17.84 113	ePn	P	02 53 11.3 +0.8
BW06	Boulder Array	17.84 113	P	P	02 53 12.4 +1.9
PD31	Pinetale Array	17.84 113	ePn	P	02 53 11.4 +0.9
PDAR	Pinetale Array	17.84 113	P	P	02 53 10.8 +0.3
DUG	Dugway, Tooele	17.86 124	ePn	P	02 53 10.8 +0.1
DUG	Dugway, Tooele	17.86 124	eP	Pmax	02 53 10.8 +0.1
DUG	Dugway, Tooele	17.86 124	P	P	02 53 11.7 +1.1
TCUT	Toone Canyon	17.93 120	ePn	P	02 53 13.3 +1.8
R11A	Troy Canyon, C	17.99 134	ePn	P	02 53 12.9 +0.8
R11A	Troy Canyon, C	17.99 134	P	P	02 53 13.2 +1.1
TIN	Tinemaha, Big	17.99 142	P	P	02 53 14.9 +2.9
CTU	Camp Tracy	18.05 121	ePn	Pn	02 53 08.6 -3.7
FFC	Flin Flin	18.07 70	ePn	Pn	02 53 10.1 -2.2
FFC	Flin Flin	18.07 70	eP	Pn	02 53 10.1 -2.2
FFC	Flin Flin	18.07 70	ePmax	Pmax	02 53 10.1 -2.2
DGMT	Dagmar	18.16 91	ePn	Pn	02 53 13.0 -0.4
DGMT	Dagmar	18.16 91	P	P	02 53 13.2 -0.2
JLU	Jordanelle	18.27 121	eP	P	02 53 16.5 +1.2
GRAC	Grapevine Rang	18.38 140	P	P	02 53 18.8 +2.5
NLU	North Lily Mtn	18.42 124	eP	Pn	02 53 19.8 +2.9
PAGB	Antelope Grou	18.46 148	eP	Pn	02 53 20.6 +3.5
TOLK	Took Lake Lak	18.53 340	eP	Pn	02 53 19.2 +1.4
TOLK	Took Lake Lak	18.53 340	P	Pn	02 53 17.8 0.0
CWC	Cotswold Cre	18.59 142	P	Pn	02 53 21.6 +2.7
MPU	Maple Canyon	18.60 123	eP	Pn	02 53 20.4 +1.3
PSUT	Pin Spring	18.63 130	eP	Pn	02 53 20.9 +1.4
VES	Vestal, Richgr	18.75 145	P	Pn	02 53 22.2 +1.5
TPNV	Topopah Spring	18.87 137	eP	Pn	02 53 24.4 +2.0
TPNV	Topopah Spring	18.87 137	eP	Pmax	02 53 24.4 +2.0
TPNV	Topopah Spring	18.87 137	P	Pmax	02 53 23.7 +1.3
DAC	Darwin (Calif)	18.91 141	eP	Pn	02 53 25.1 +2.2
DAC	Darwin (Calif)	18.91 141	eP	Pmax	02 53 25.1 +2.2
SMMC	Simmler	18.92 148	P	Pn	02 53 25.0 +2.2
FURC	Furnace Creek	19.04 139	P	P	02 53 26.2 +2.1
ISA	Isabella, Lake	19.13 144	eP	Pn	02 53 27.1 +1.7
ISA	Isabella, Lake	19.13 144	eP	Pn	02 53 27.1 +1.7
ISA	Isabella, Lake	19.13 144	ePmax	Pmax	02 53 27.1 +1.7
MPMC	Manual Prospec	19.15 141	P	Pn	02 53 27.1 +1.4
TMUT	Trail Mountain	19.36 123	eP	Pn	02 53 29.0 +0.7
PKM	Mpherson Peak	19.37 148	P	Pn	02 53 29.9 +1.5
MSU	Marysval	19.46 127	eP	Pn	02 53 30.3 +0.8
MSU	Marysval	19.46 127	eP	Pn	02 53 30.3 +0.8
P17A	Butcher Ranch	19.47 122	eP	Pn	02 53 30.1 +0.6
ARVC	Arvin	19.48 146	P	Pn	02 53 30.4 +0.9
LRMC	Laurel Mtn Rad	19.58 143	P	Pn	02 53 31.8 +0.9
P18A	Preston Nutter	19.61 121	eP	Pn	02 53 32.3 +0.9
CCUT	Cedar City	19.65 131	eP	Pn	02 53 32.2 +0.4
K22A	Casper	19.66 109	eP	P	02 53 29.8 -0.7
K22A	Casper	19.66 109	P	P	02 53 30.7 +0.3
SHPR	Sheep Range	19.71 136	eP	Pn	02 53 33.1 +0.7
SZCU	Shurt Canyon	19.75 130	eP	Pn	02 53 33.2 +0.3
SHOC	Shoshone, Teco	19.76 139	P	Pn	02 53 33.5 +0.6
SBC	Santa Barbara	19.81 148	P	Pn	02 53 34.0 +0.5
MTPU	Mount Pierson	19.83 127	eP	Pn	02 53 34.2 +0.2
SRU	San Rafael Swe	19.85 123	eP	Pn	02 53 34.5 +0.4
RWWY	Rawlins	19.87 112	eP	Pn	02 53 34.4 0.0
OSI	Osito Audit: C	19.98 146	eP	Pn	02 53 36.8 +1.2
OSI	Osito Audit: C	19.98 146	LR	LR	
OSI	Osito Audit: C	19.98 146	P	Pn	02 53 35.5 -0.1
EDW2	Edwards Air Fo	20.00 144	P	Pn	02 53 35.4 -0.4
GSC	Goldstone, Bar	20.07 141	eP	P	02 53 33.5 -1.4
GSC	Goldstone, Bar	20.07 141	eP	LR	02 53 33.5 -1.4
GSC	Goldstone, Bar	20.07 141	eP	Pmax	02 53 33.5 -1.4
GSC	Goldstone, Bar	20.07 141	P	MLR	02 53 37.2 +0.6
LGMT	Little Creek M	20.14 131	eP	Pn	02 53 37.6 0.0
AKUT	A				

PFO	Pinyon Flats O	21.70 142	P	P	02 53 54.1 +1.6
XPFO	Piacon Flat	21.70 142	eP	P	02 53 53.8 +1.3
IRM	Iron Mountain	21.73 139	P	P	02 53 55.1 +2.3
FRD	Ford Ranch, An	21.75 143	P	P	02 53 54.5 +1.5
RDOG	Red Dog Mine	21.75 329	eP	P	02 53 53.1 +0.4
RDOG			LR	LR	
PDMC1	Parker Dam, Lak	22.02 137	P	P	02 53 57.4 +1.7
ISCO	Idaho Springs	22.03 114	eP	P	02 53 57.4 +1.2
ISCO			LR	LR	
ISCO			eP	pmx	02 53 57.4 +1.2
ISCO			pmx	pmx	
ISCO			MLR	MLR	
ISCO			P	P	02 53 56.8 +0.6
BC3	Big Chuckawall	22.05 140	P	P	02 53 57.9 +1.7
109C	Camp Elliott	22.11 145	P	P	02 53 58.7 +1.9
CPE	Camp Elliott	22.11 145	eP	P	02 53 59.4 +2.6
CUE			LR	LR	
WUAZ	Wupatki	22.23 130	eP	P	02 53 59.2 +0.9
WUAZ			LR	LR	
WUAZ			P	P	02 53 59.2 +0.9
FCC	Fort Churchill	22.31 58	P	P	02 53 58.3 -0.4
FCC			eP	P	02 53 57.5 -1.1
FCC			eP	pmx	02 53 58.3 -0.4
MVCO	Mesa Verde	22.33 123	eP	P	02 53 59.9 +0.6
MVCO			LR	LR	
MVCO			P	P	02 54 00.1 +0.8
Y12C	Blythe	22.34 139	eP	P	02 54 01.2 +2.0
Y12C			LR	LR	
Y12C			P	P	02 54 00.7 +1.5
MONP2	Monument Peak	22.36 143	P	P	02 54 01.6 +1.9
BAR	Barrett	22.46 144	eP	P	02 54 00.4 -0.2
BAR			LR	LR	
SWSC	Sam W. Stewart	22.54 142	P	P	02 54 02.9 +1.5
ULM	Lac du Bonnet	22.64 80	P	P	02 54 01.7 -0.6
ULM			P	Pn	02 54 21.4 -4.3
ULM			LR	LR	03 01 56.4
ULM			P	P	02 54 00.7 -1.6
ULM			LR	LR	
ULM			P	P	02 53 59.5 -2.8
IKP	In-Ko-Pah, Jac	22.69 143	P	P	02 54 04.9 +1.9
S22A	4UR Ranch, Cre	22.81 119	eP	P	02 54 05.6 +1.1
S22A			LR	LR	
S22A			P	P	02 54 06.0 +1.5
Y14A	Wickenburg	22.82 135	eP	P	02 54 05.1 +0.7
Y14A			LR	LR	
GLA	Glamis	22.83 140	eP	P	02 54 06.1 +1.7
GLA			LR	LR	
GLA			pmx	pmx	
GLA			MLR	MLR	
GLA			P	P	02 54 05.4 +0.9
Q24A	Divide	22.86 115	eP	P	02 54 03.1 -2.0
Q24A			LR	LR	
Q24A			P	P	02 54 06.1 +1.0
X16A	Lo Mia Camp, P	23.11 132	eP	P	02 54 07.6 +0.1
SUSD	Miller	23.20 96	P	P	02 54 08.2 -0.1
W18A	Petrified Fore	23.34 128	eP	P	02 54 11.5 +1.6
W18A			P	P	02 54 11.4 +1.5
AGMN	Agassiz Nation	23.35 85	eP	P	02 54 08.0 -1.7
AGMN			LR	LR	
AGMN			P	P	02 54 08.0 -1.7
OGNE	Ogallala	23.35 107	eP	P	02 54 10.4 +0.5
OGNE			LR	LR	
OGNE			P	P	02 54 10.5 +0.6
113A	Mohawk Valley	23.50 138	eP	P	02 54 08.5 -2.8
113A			LR	LR	
SDCO	Great Sand Dun	23.53 117	eP	P	02 54 12.3 +0.4
SDCO			LR	LR	
SDCO			P	P	02 54 12.7 +0.8
GAMB	Gambell	23.57 315	eP	P	02 54 12.6 +0.9
GAMB			LR	LR	
X18A	Snowflake	23.71 129	eP	P	02 54 14.6 +1.0
X18A			LR	LR	
EPLO	Experimental L	24.14 81	P	P	02 54 15.3 -2.0
EPLO			P	P	02 54 15.3 -2.0
KSCO	Kaye Chedock	24.26 111	eP	P	02 54 19.7 +1.0
KSCO			LR	LR	
KSCO			P	P	02 54 19.0 +0.3
T25A	Trinidad	24.57 117	eP	P	02 54 23.0 +1.4
T25A			LR	LR	
T25A			P	P	02 54 21.9 +0.3
214A	Organ Pipe Nat	24.60 138	P	P	02 54 22.9 +1.2
ECSD	EROS Data Cent	25.01 95	eP	P	02 54 24.9 -0.4
ECSD			LR	LR	
ECSD			P	P	02 54 26.3 +1.1
SOLO	Sioux Lookout	25.02 79	P	P	02 54 23.0 -2.2
SOLO			P	P	02 54 23.0 -2.2
ANMO	Albuquerque	25.12 123	P	P	02 54 26.3 -0.2

ANMO	comp=Z,35nm,0.9s,baz=322,slow=9.6,SNR=40	LR	LR	03 04 22.7	
ANMO	comp=Z,11um,18.3s,baz=316,slow=37	eP	P	02 54 26.8 +0.3	
ANMO	comp=Z,229nm,1.3s	LR	LR		
ANMO	comp=Z,10um,20.0s	P	P	02 54 25.8 -0.7	
TUC	Tucson	25.18 134	eP	P	02 54 28.7 +1.8
TUC			LR	LR	
TUC	comp=Z,24um,18.0s	eP	pmx	02 54 28.7 +1.8	
TUC			pmx	pmx	
TUC	comp=Z,472nm,1.4s	MLR	MLR		
TUC	comp=Z,24um,18.0s	25.18 134	P	02 54 28.1 +1.2	
LAZ	Ladron	25.20 125	eP	P	02 54 28.6 +1.4
BGNE	Belgrade	25.39 101	eP	P	02 54 28.8 +0.1
BGNE			LR	LR	
BGNE	comp=Z,30um,22.0s	25.39 101	P	02 54 28.8 +0.1	
BGNE			P	P	02 54 30.3 +0.7
LENM	Lenora	25.47 125	eP	P	02 54 32.1 +1.9
LPM	Los Pinos Moun	25.53 124	eP	P	02 54 40.0 +1.0
ATKA	Atka Island	25.55 287	PFAKE	LR	
ATKA			LR	LR	
PKLO	Pickle Lake	25.57 75	P	P	02 54 28.8 -1.5
PKLO			P	P	02 54 28.8 -1.5
Y22D	IRIS PASSCAL I	25.57 125	PFAKE	LR	02 54 40.0 +9.5
Y22D			LR	LR	
Y22D	comp=Z,16um,22.0s	25.57 125	P	02 54 32.0 +1.5	
Y22D			P	P	02 54 32.1 +0.9
BNM	Barren Site	25.66 125	eP	P	02 54 31.1 -0.8
ATKO	Atikokan Iron	25.75 81	P	P	02 54 31.1 -0.8
ATKO			P	P	02 54 35.8 +0.8
CBKS	Cedar Bluff	26.07 108	eP	P	
CBKS			LR	LR	
CBKS	comp=Z,30um,18.0s	26.07 108	eP	pmx	02 54 35.8 +0.8
CBKS			pmx	pmx	
CBKS	comp=Z,286nm,1.4s	26.07 108	MLR	MLR	
CBKS	comp=Z,30um,18.0s	26.07 108	P	02 54 36.9 +2.0	
CBKS			P	P	02 54 35.6 -0.2
EYMN	Ely	26.17 83	eP	P	02 54 35.6 -0.2
EYMN			LR	LR	
EYMN	comp=Z,64um,21.0s	26.17 83	P	02 54 36.3 +0.6	
121A	Cookes Peak, D	26.38 128	P	P	02 54 39.6 +1.6
F37A	Hinrichs Farm,	26.47 88	P	P	02 54 38.6 +0.2
SPMN	Marine on St.	26.60 89	eP	P	02 54 39.8 +0.2
SPMN			P	P	02 54 39.8 +0.2
E38A	The Farm, Brul	26.71 86	eP	P	02 54 41.5 +0.9
E38A			LR	LR	
E38A	comp=Z,117um,19.0s	26.71 86	P	02 54 40.5 -0.1	
F38A	Pierce - Schro	26.82 87	P	P	02 54 42.3 +0.8
ADK	Adak	27.11 287	eP	P	02 54 40.5 -3.6
ADK			LR	LR	
ADK	comp=Z,12um,18.0s	27.11 287	eP	pmx	02 54 40.5 -3.6
ADK			pmx	pmx	
ADK	comp=Z,195nm,1.1s		MLR	MLR	
TBO	Thunder Bay	27.15 80	P	P	02 54 43.1 -1.5
TBO			P	P	02 54 43.1 -1.5
RES	Resolute Bay	27.17 21	P	P	02 54 44.9 +0.5
RES			LR	LR	03 06 33.8
RES	comp=Z,34nm,0.9s,baz=242,slow=9.6,SNR=23	27.17 21	eP	P	02 54 44.0 -0.4
RES			LR	LR	
RES	comp=Z,26um,21.1s,baz=234,slow=39	27.17 21	P	02 54 43.0 -1.4	
RES			P	P	02 54 45.2 +0.2
RES	comp=Z,69um,21.0s	27.17 21	P	02 54 45.3 +0.2	
RES			P	P	02 54 47.0 -0.1
G38A	Maiden Rock	27.21 89	P	P	02 54 45.7 +0.1
F39A	Loretta	27.43 87	P	P	02 54 46.4 -0.7
E39A	Mellen	27.43 85	P	P	02 54 48.3 0.0
G39A	Holcombe	27.57 88	P	P	02 54 51.7 +3.0
C40A	Isle Royale Na	27.61 82	eP	P	02 54 49.4 +0.8
C40A			LR	LR	
C40A	comp=Z,81um,20.0s	27.61 82	P	02 54 50.6 +1.5	
EPT	El Paso	27.63 127	eP	P	02 54 50.5 +1.5
EPT			LR	LR	
AMTX	comp=Z,30um,19.0s	27.72 116	eP	P	02 54 50.5 +0.6
AMTX			LR	LR	
AMTX	comp=Z,460nm,1.1s	27.72 116	P	02 54 50.2 +0.3	
AMTX			P	P	02 54 51.0 +1.0
KSU1	Kansas State U	27.74 104	eP	P	02 54 50.1 +0.2
KSU1			LR	LR	
KSU1	comp=Z,18um,19.0s	27.74 104	P	02 54 50.2 -0.2	
H39A	Augusta	27.80 89	P	P	02 54 50.7 +0.2
E40A	Wakefield	27.81 85	P	P	02 54 51.6 +0.9
MSTX	Muleshoe	27.81 119	eP	P	02 54 51.0 +0.2
MSTX			LR	LR	
MSTX	comp=Z,23um,18.0s	27.81 119	P	02 54 50.3 -1.1	
F40A	Park Falls	27.91 86	P	P	02 54 53.6 +1.8
HSIG			eP	P	02 54 54.0 +0.2
HSIG			LR	LR	
HSIG	comp=Z,510nm,1.6s	27.94 138	eP	P	02 54 53.3 -0.5
HSIG			LR	LR	
I39A	Houston	28.08 91	eP	P	02 54 52.8 -0.2
I39A			LR	LR	
I39A	comp=Z,79um,18.0s	28.08 91	P	02 54 53.2 +0.1	
SCIA	State Center	28.11 96	P	P	02 54 54.9 +1.2
U32A	Winter Ranch,	28.16 111	eP	P	02 54 54.0 +0.2
U32A			LR	LR	
G40A	Rib Lake	28.18 87	eP	P	02 54 52.3 -1.7
G40A			LR	LR	
G40A	comp=Z,128um,18.0s	28.18 87	P	02 54 52.3 -1.7	
G40A			P	P	02 54 55.3 +0.8
GTO	Geraldton	28.20 77	P	P	
GTO			P	P	
MNTX	Cornudas Mount	28.24 126	eP	P	
MNTX			LR	LR	

MNTX	Cornudas Mount	28.24 126	P	P	02 54 55.1 +0.7
J39A	Decorah	28.24 92	P	P	02 54 54.3 -0.1
D41A	Chassel	28.34 83	eP	P	02 54 56.5 +1.3
D41A			LR	LR	
D41A	comp=Z,71um,19.0s	28.34 83	P	02 54 53.6 -1.6	
D41A			P	P	02 54 57.0 +1.4
GDL2	Guadalupe Moun	28.36 124	eP	P	02 54 54.9 -0.6
E41A	Kenton	28.37 84	P	P	02 5

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ABTX	Ablene, Hawle	30.54	117	eP	P	02 55 14.7	-0.2
ABTX	comp-Z,23um,19.0s						
ABTX	baz=320,SNR=13	30.54	117	P	P	02 55 15.2	+0.4
O41A	Passleys Farm,	30.59	97	P	P	02 55 15.2	+0.1
K43A	comp-Z,143um,18.0s						
K43A	Burlington	30.66	90	PFAKE	LR	02 55 30.0	+1.4
N42A	Yates City	30.68	97	P	P	02 55 15.8	-0.2
P41A	Barry, Barry	30.74	97	P	P	02 55 17.7	+1.1
F45A	CMU Biological	30.85	83	P	P	02 55 17.8	+0.4
KAPO	Kapuskasing	30.98	75	P	P	02 55 17.9	-0.6
KAPO	Kapuskasing	30.98	75	P	P	02 55 17.9	-0.6
M43A	Waltham Townsh	30.99	93	P	P	02 55 19.4	+0.7
TX31	Lajitas Ar. Si	31.02	126	eP	P	02 55 19.4	+0.2
LTX	Lajitas	31.02	126	eP	P	02 55 20.1	+0.9
LTX	Lajitas	31.02	126	eP	P	02 58 14.9	0.0
LTX	Lajitas	31.02	126	eP	P	02 55 20.1	+0.9
TXAR	Lajitas Array	31.02	126	P	P	02 55 20.1	+0.9
TXAR	comp-Z,2.68nm,0.9s,ba						
TXAR	comp-Z,4.2nm,0.8s,ba						
TXAR	comp-Z,14um,19.1s,ba						
TXAR	comp-Z,0.3nm,0.6s,ba						
O42A	Bath	31.03	96	P	P	02 55 19.7	+0.7
O41A	Truxton	31.08	99	P	P	02 55 19.9	+0.4
N43A	Stutzman Family	31.15	94	P	P	02 55 20.0	0.0
HHAR	Hobbs	31.19	105	eP	P	02 55 20.9	+0.3
L44A	Lake County Fo	31.21	91	P	P	02 55 18.1	-2.6
P42A	Winchester	31.24	97	eP	P	02 55 21.4	+0.6
P42A	comp-Z,122nm,1.3s						
P42A	Winchester	31.24	97	P	P	02 55 20.4	-0.5
F46A	Macinaw City C	31.27	83	P	P	02 55 21.9	+0.7
HDIL	Hopedale	31.30	95	eP	P	02 55 21.9	+0.5
HDIL	comp-Z,173nm,1.0s						
HDIL	Hopedale	31.30	95	P	P	02 55 21.4	0.0
U39A	Green Forest	31.39	105	P	P	02 55 22.4	0.0
R41A	Rosebud	31.41	100	P	P	02 55 21.4	-1.0
O43A	Sugar Creek Fa	31.45	95	P	P	02 55 22.5	-0.2
T40A	Mansfield	31.46	103	P	P	02 55 21.8	-1.1
X37A	Clayton	31.52	109	eP	P	02 55 24.6	+1.1
X37A	comp-Z,69nm,0.9s						
O42A	Golden Eagle	31.54	98	P	P	02 55 23.7	+0.1
M44A	Midewin, Midew	31.58	92	PFAKE	LR	02 55 40.0	+1.6
M44A	comp-Z,36um,21.0s						
S41A	Jilco Farms,	31.64	101	P	P	02 55 23.9	-0.6
CCM	Cathedral Cave	31.64	100	eP	P	02 55 23.5	-1.0
CCM	comp-Z,24um,19.0s						
CCM	Cathedral Cave	31.64	100	eP	P	02 55 23.5	-1.0
CCM	comp-Z,128nm,1.0s						
CCM	Cathedral Cave	31.64	100	P	P	02 55 23.7	-0.8
V39A	Pettigrew	31.66	106	P	P	02 55 24.2	-0.6
P43A	Skaggs, Pawnee	31.71	96	P	P	02 55 24.5	-0.6
R42A	Luebbering	31.77	99	P	P	02 55 25.0	-0.6
U40A	Yellville	31.79	104	P	P	02 55 25.6	-0.2
GLMI	Grayling	31.83	84	PFAKE	LR	02 55 40.0	+1.4
N44A	Piper City	31.87	93	P	P	02 55 25.4	-1.1
SLM	Saint Louis	31.89	98	eP	P	02 55 28.3	+1.7
SLM	comp-Z,59nm,0.8s						
SLM	Saint Louis	31.89	98	eP	P	02 55 28.3	+1.7
SLM	comp-Z,45um,19.0s						
SLM	Saint Louis	31.89	98	eP	P	02 55 28.3	+1.7
SLM	comp-Z,59nm,0.8s						
J46A	Howard City	31.97	87	P	P	02 55 27.0	-0.3
T41A	Moumin View	31.98	102	P	P	02 55 26.8	-0.7
W39A	Magazine	32.02	107	eP	P	02 55 27.9	0.0
W39A	comp-Z,265nm,1.5s						
W39A	Magazine	32.02	107	P	P	02 55 29.0	+1.1
W39A	comp-Z,14um,22.0s						
Q43A	New Douglas	32.03	97	P	P	02 55 27.7	-0.1
O44A	Mansfield	32.05	94	P	P	02 55 28.0	0.0
HPIG	HPIG	32.07	132	PFAKE	LR	02 55 40.0	+1.1
M45A	Boilermakers S	32.07	92	P	P	02 55 27.4	-0.8
S42A	Caledonia	32.10	100	P	P	02 55 28.7	+0.2
JCT	Junction City	32.10	120	eP	P	02 55 28.5	-0.1
JCT	comp-Z,165nm,1.0s						
JCT	Junction City	32.10	120	eP	P	02 55 28.5	-0.1
JCT	comp-Z,20um,18.0s						
JCT	Junction City	32.10	120	P	P	02 55 27.8	-0.9
V40A	Witts Springs	32.18	105	eP	P	02 55 29.4	+0.1
V40A	comp-Z,5um,20.0s						
V40A	Witts Springs	32.18	105	P	P	02 55 28.6	-0.6
FVM	French Village	32.19	99	eP	P	02 55 29.0	-0.3
FVM	comp-Z,118nm,1.1s						
FVM	French Village	32.19	99	eP	P	02 55 29.0	-0.3
FVM	comp-Z,118nm,1.1s						
N45A	Kentland	32.22	93	P	P	02 55 27.2	-2.3
WHX	Lake Whitney	32.23	115	eP	P	02 55 30.4	+0.7
WHX	comp-Z,226nm,1.4s						
WHX	Lake Whitney	32.23	115	P	P	02 55 30.4	+0.7
K46A	Dorr	32.24	88	P	P	02 55 29.0	-0.7
R43A	Red Bud	32.30	99	P	P	02 55 30.4	+0.1

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L46A	Eue Claire	32.30	90	P	P	02 55 29.2	-1.0
X39A	Fountain Ranch	32.31	108	P	P	02 55 31.6	+1.2
U41A	Viola	32.35	103	P	P	02 55 29.5	-1.3
P44A	Sand Creek, W1	32.36	96	P	P	02 55 31.2	+0.4
T42A	Van Buren	32.40	101	eP	P	02 55 30.5	-0.6
T42A	comp-Z,37um,18.0s						
T42A	Van Buren	32.40	101	P	P	02 55 31.0	-0.1
O45A	Potomac	32.44	94	P	P	02 55 31.4	-0.1
W40A	Ferguson Farm,	32.45	106	eP	P	02 55 33.6	+2.0
W40A	comp-Z,120nm,1.0s						
W40A	Ferguson Farm,	32.45	106	P	P	02 55 32.3	+0.7
W40A	Meyer Farm, Va	32.47	97	P	P	02 55 31.6	-0.1
J47A	Sunmer	32.54	87	P	P	02 55 31.9	-0.4
V41A	Mountainview	32.59	104	P	P	02 55 32.6	-0.2
MIAR	Mount Ida	32.60	107	eP	P	02 55 33.3	+0.4
MIAR	comp-Z,114nm,0.9s						
MIAR	Mount Ida	32.60	107	eP	P	02 55 33.3	+0.4
MIAR	comp-Z,114nm,0.9s						
MIAR	Mount Ida	32.60	107	P	P	02 55 33.1	+0.1
M46A	Old House Fiel	32.61	91	PFAKE	LR	02 55 40.0	+7.0
M46A	comp-Z,105um,18.0s						
M46A	Old House Fiel	32.61	91	P	P	02 55 33.4	+0.4
S43A	Fulton Ridge,	32.66	100	P	P	02 55 33.6	+0.2
N46A	Monticello	32.67	92	P	P	02 55 32.7	-0.8
K47A	Vermontville	32.74	88	P	P	02 55 34.3	+0.2
SFIN	Lafayette	32.75	93	eP	P	02 55 34.8	+0.6
SFIN	comp-Z,236nm,1.4s						
SFIN	Lafayette	32.75	93	P	P	02 55 32.9	-1.3
U42A	Revendon	32.76	102	P	P	02 55 32.4	-1.9
R44A	Waltonville	32.84	98	P	P	02 55 35.3	+0.3
WHAR	Woolly Hollow	32.85	105	eP	P	02 55 35.6	+0.5
T43A	Greenville	32.85	101	P	P	02 55 34.5	-0.6
P45A	Graceland, Par	32.87	95	eP	P	02 55 35.2	+0.1
P45A	comp-Z,67um,18.0s						
P45A	Graceland, Par	32.87	95	P	P	02 55 35.1	0.0
BILL	Billibino	32.87	322	d/P	P	02 55 35.1	+0.2
BILL	comp-Z,197nm,1.7s						
BILL	Billibino	32.87	322	d/P	P	02 55 43.6	0.0
BILL	Billibino	32.87	322	d/P	P	02 56 54.0	0.0
BILL	Billibino	32.87	322	d/P	P	03 01 00.2	+8.1
BILL	Billibino	32.87	322	d/P	P	03 02 50.1	+1.9
SUNO	Sudbury Onapin	32.93	79	P	P	02 55 34.9	-0.8
SUNO	Sudbury Onapin	32.93	79	P	P	02 55 34.9	-0.8
W41B	Gary Mayiv, V	32.95	105	eP	P	02 55 35.0	0.0
W41B	comp-Z,187nm,1.5s						
W41B	Gary Mayiv, V	32.95	105	P	P	02 55 35.4	-0.6
PBMO	Poplar Bluff	32.96	101	eP	P	02 55 35.4	-0.6
PBMO	comp-Z,64nm,1.1s						
L47A	Sherwood	33.00	89	P	P	02 55 36.5	+0.1
Q45A	Warren Harvey,	33.00	96	P	P	02 55 36.8	+0.4
V42A	Cottingham	33.03	103	P	P	02 55 35.8	-0.9
KILO	Kirkland Lake	33.05	75	P	P	02 55 35.9	-0.8
KILO	Kirkland Lake	33.05	75	P	P	02 55 35.9	-0.8
435B	Jarrell	33.07	117	eP	P	02 55 38.1	+1.1
435B	comp-Z,359nm,1.4s						
435B	Jarrell	33.07	117	P	P	02 55 37.3	+0.2
X40A	Basin Creek Fa	33.08	107	eP	P	02 55 37.5	+0.5
X40A	comp-Z,12um,21.0s						
X40A	Basin Creek Fa	33.08	107	P	P	02 55 37.4	+0.3
S44A	Carbondale	33.08	99	P	P	02 55 37.0	-0.1
M47A	Cromley, V	33.09	90	P	P	02 55 36.5	-0.7
SIUC	Southern Illin	33.09	99	eP	P	02 55 37.4	+0.2
SIUC	comp-Z,117nm,1.0s						
OLIL	Oliney	33.13	96	eP	P	02 55 37.7	+0.2
OLIL	comp-Z,198nm,1.0s						
P46A	Rosedale	33.14	94	P	P	02 55 37.9	+0.3
Y40A	Okolona	33.15	108	P	P	02 55 37.9	+0.2
UALR	University of	33.17	106	eP	P	02 55 38.4	+0.5
UALR	comp-Z,85nm,1.0s						
K48A	Perry	33.20	87				

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like AIN, HLP, W51A, 148A, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BLA, BRAL, BRAL, BCLQ, etc.

30d 2h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like PAL, SFJD, SFJD, 254A, etc.

1557

Table with columns: ICAO, Name, Altitude, Frequency, Mode, Status, Time, and other flight details. Includes entries for BHH, HELC, KWAJ, RAF, etc.

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Table with columns: ICAO, Name, Altitude, Frequency, Mode, Status, Time, and other flight details. Includes entries for OTAV, OTAV, OTAV, etc.

30d 2h

Table with columns: ICAO, Name, Altitude, Frequency, Mode, Status, Time, and other flight details. Includes entries for TVO, TVO, FLN, etc.

30d 2h

Table with columns: HUMR, Humele, 81.70, 16, P, P, 03 01 20.3 +0.6, etc. Includes rows for AAA, MDOK, UPM, BRY, HARR, etc.

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Table with columns: TTIG, Trine Tigouga, 84.06, 46, P, P, 03 01 36.0 +3.6, etc. Includes rows for CUC, KIV, KIV, KIV, OHR, etc.

1560

Table with columns: ANTO, Ankara, 87.42, 12, P, P, 03 01 49.2 +0.4, etc. Includes rows for WDD, BR10, BR13, BRTR, etc.

SHL	comp=Z,45nm,1.3s	Shilong	93.58 321	eP	P	03 02 18.0	+0.1
SHL	comp=Z,45nm,1.3s	Shilong	93.58 321	eP	P	03 02 17.8	-0.1
SHL	comp=Z,181nm,1.1s	Gumba	93.62 327	eP	P	03 02 17.7	-0.1
DDI	comp=Z,4.4um,11.0s	Dehra Dun	93.73 334	eP	P	03 02 16.4	-2.0
JIRN	comp=Z,360nm,1.1s	Jiri	93.74 327	eP	P	03 02 18.2	-0.7
DANN	comp=Z,335nm,1.0s	Dangsing	93.90 329	eP	P	03 02 19.0	-0.5
KKN	comp=Z,92nm,0.8s	Kakani	93.93 327	eP	P	03 02 18.9	-0.6
ODAN	comp=Z,183nm,1.2s	Odare	94.06 325	eP	P	03 02 19.7	-0.5
PKI	comp=Z,289nm,1.1s	Pulchoki	94.09 327	eP	P	03 02 19.3	-1.1
PKI	comp=Z,144nm,1.2s	Pulchoki	94.09 327	eP	P	03 02 19.3	-1.1
DMN	comp=Z,189nm,1.2s	Daman	94.15 327	eP	P	03 02 20.0	-0.6
RAMN	comp=Z,331nm,1.0s	Ramite	94.25 326	eP	P	03 02 20.0	-1.1
PYUN	comp=Z,141nm,1.1s	Piuthan	94.38 329	eP	P	03 02 20.5	-1.1
KOLN	comp=Z,141nm,1.1s	Koldani	94.49 329	eP	P	03 02 21.2	-0.9
SIJI	comp=Z,323,slow=4.1,SNR=5.8	Sorong	94.76 275	P	PP	03 02 23.6	+0.4
SIJI	comp=Z,2.2nm,0.4s,baz=48,slow=6.0,SNR=4.1	Fak Fak	95.76 273	PP	PP	03 06 08.1	-3.5
FAKI	comp=Z,5.5um,20.0s	Ternate	95.85 279	PFAKE	LR	03 02 40.0	+12
TNTI	comp=Z,2.2um,22.0s	Copiap	96.03 128	PFAKE	LR	03 02 40.0	+11
GO03	comp=Z,3.3um,20.0s	Chiang Mai	96.57 312	P	P	03 02 30.0	-1.5
CHTO	comp=Z,2.0nm,0.3s	Chiang Mai	96.57 312	P	P	03 02 34.7	+3.2
CHTO	comp=Z,43nm,1.2s	Tamrasset	96.71 39	PFAKE	LR	03 02 40.0	+7.8
CM31	comp=Z,1.4um,18.0s	Chiang Mai Arr	96.88 312	eP	P	03 02 32.3	-0.6
CM31	comp=Z,1.4um,18.0s	Chiang Mai Arr	96.88 312	eP	P	03 02 34.1	+1.3
CMAR	comp=Z,2.5nm,0.3s,baz=12,slow=4.9,SNR=16	Chiang Mai Arr	96.88 312	P	P	03 02 32.3	-0.6
CMAR	comp=Z,2.2um,20.7s,baz=10,slow=36	Chiang Mai Arr	96.88 312	P	P	03 02 32.2	-0.6
CM01	comp=Z,2.0nm,0.3s	Chiang Mai Arr	96.91 312	eP	P	03 02 33.6	+0.6
LCO	comp=Z,43nm,1.2s	Las Campanas	96.99 129	eP	P	03 02 34.9	+1.6
LCO	comp=Z,2.2um,19.0s	Las Campanas	96.99 129	eP	P	03 02 34.9	+1.6
LCO	comp=Z,43nm,1.2s	Las Campanas	96.99 129	eP	P	03 02 34.9	+1.6
BOK	comp=Z,2.2um,19.0s	Bokaro	97.40 325	eP	P	03 02 35.6	+0.4
BOK	comp=Z,2.2um,19.0s	Bokaro	97.40 325	eP	P	03 02 35.6	+0.4
BOK	comp=Z,2.2um,19.0s	Bokaro	97.40 325	eP	P	03 02 35.6	+0.4
PBKT	comp=Z,5.5um,27.6s	Sadao Pong	97.57 309	eP	P	03 02 36.6	+0.6
PBKT	comp=Z,5.5um,27.6s	Sadao Pong	97.57 309	eP	P	03 02 42.1	+6.1
COEN	comp=Z,7.7um,19.0s	Coen	97.68 257	PFAKE	LR	03 02 50.0	+14
GO04	comp=Z,2.2um,18.0s	Tololo Observa	97.91 130	PFAKE	LR	03 02 50.0	+13
KKM	comp=Z,2.2um,22.0s	Kota Kinabalu	98.28 291	PFAKE	LR	03 02 50.0	+11
RCBR	comp=Z,2.2um,22.0s	Riachuelo	98.38 89	PFAKE	LR	03 02 50.0	+10
UTHA	comp=Z,1.0um,21.0s	Uthaitani	99.17 310	P	Pdif	03 02 50.8	+7.6
MXZ	comp=Z,2.2um,20.0s	Matakoa Point	99.24 218	PFAKE	LR	03 03 00.0	+17
SRAK	comp=Z,2.2um,20.0s	Grakawey	99.25 307	P	Pdif	03 02 45.0	+1.5
NAYO	comp=Z,2.2um,20.0s	Nakonayok	99.34 308	P	Pdif	03 02 51.8	+7.9
LUWI	comp=Z,2.2um,20.0s	Luwuk	100.07 281	PFAKE	LR	03 03 00.0	+13
URZ	comp=Z,2.2um,19.0s	Urewera	100.31 218	PFAKE	LR	03 03 00.0	+12
PEL	comp=Z,1.0um,20.0s	Peidehue	100.44 131	PFAKE	LR	03 03 00.0	+12
BHPL	comp=Z,2.2um,19.0s	Bhopal	100.61 333	eP	Pdif	03 02 49.1	-0.5
CTAO	comp=Z,6.2um,29.0s	Charters Tower	100.64 251	PFAKE	LR	03 03 00.0	+11
BWNR	comp=Z,1.2um,20.0s	Bhubaneshwar	100.65 324	eP	Pdif	03 02 44.6	-5.0
BKZ	comp=Z,2.2um,20.0s	Black Stump Fm	101.33 218	PFAKE	LR	03 03 10.0	+18
HIZ	comp=Z,1.0um,21.0s	Hauti	101.40 220	PFAKE	LR	03 03 10.0	+18
GO05	comp=Z,1.5um,21.0s	Hualaeø	101.44 133	PFAKE	LR	03 03 10.0	+17
CPUP	comp=Z,2.2um,21.0s	Villa Florida	101.67 118	P	Pdif	03 02 54.4	+0.5
CPUP	comp=Z,2.5nm,1.1s,baz=45,slow=1.7,SNR=4.3	Villa Florida	101.67 118	eP	Pdif	03 02 55.0	+1.1
EIDS	comp=Z,2.2um,20.0s	Eidsvold	102.03 244	PFAKE	LR	03 03 10.0	+14
NGP	comp=Z,4.4um,18.0s	Nagpur	102.11 330	eP	Pdif	03 02 54.8	-1.4
BHJ	comp=Z,3.3um,11.0s	Bhuji	102.54 340	IAMS_20	IAMS_20	03 05 06.8	
LHI	comp=Z,2.2um,20.0s	Lord Howe Isla	102.69 235	PFAKE	LR	03 03 10.0	+12
BFZ	comp=Z,2.2um,20.0s	Birch Farm	102.74 218	PFAKE	LR	03 03 10.0	+12
UOSS	comp=Z,3.8um,19.0s	Minazif	102.90 352	PFAKE	LR	03 03 10.0	+10
SBUM	comp=Z,2.2um,20.0s	Sibu	103.49 292	PFAKE	LR	03 03 10.0	+7.6
TOC7	comp=Z,800nm,21.0s	Torodi Arr	103.72 46	PFAKE	LR	03 03 10.0	+6.6
TOC1	comp=Z,2.2um,19.0s	Torodi Arr	103.72 46	PFAKE	LR	03 03 10.0	+6.6
TOB5	comp=Z,2.2um,19.0s	Torodi Arr	103.73 46	PFAKE	LR	03 03 10.0	+6.5
TOA1	comp=Z,2.2um,19.0s	Torodi Arr	103.73 46	eP	Pdif	03 03 02.5	-1.0
TOA1	comp=Z,2.2um,19.0s	Torodi Arr	103.73 46	eP	Pdif	03 07 22.5	+0.9
TOA0	comp=Z,2.2um,19.0s	Torodi Arr	103.74 46	eP	Pdif	03 03 04.0	+0.5
TOB2	comp=Z,2.2um,19.0s	Torodi Arr	103.74 46	PFAKE	LR	03 03 10.0	+6.5
TORD	comp=Z,2.2um,19.0s	Torodi Arr	103.74 46	Pdif	Pdif	03 03 02.5	-1.0
TORD	comp=Z,1.2nm,1.0s,baz=288,slow=6.1,SNR=3.7	Torodi Arr	103.74 46	PKPKP	PKPKP	03 07 22.5	+0.9
TORD	comp=Z,2.0nm,0.9s,baz=326,slow=7.8,SNR=3.9	Torodi Arr	103.74 46	PKPKP	PKPKP	03 18 53.5	+1.1
TORD	comp=Z,1.2nm,0.8s,baz=119,slow=2.8,SNR=9.9	Torodi Arr	103.74 46	PKPKP	PKPKP	03 19 00.5	+0.6
SNZO	comp=Z,3.8nm,0.9s,baz=147,slow=3.5,SNR=13	South Karori	103.87 218	PFAKE	LR	03 03 20.0	+17

SNZO	comp=Z,1.5um,22.0s	Manton Dam	104.16 267	PFAKE	LR	03 03 20.0	+15
MTN	comp=Z,4.4um,22.0s	Ar Rayn	104.63 2	PFAKE	LR	03 03 20.0	+13
THZ	comp=Z,5.5um,22.0s	Tophouse	104.95 219	PFAKE	LR	03 07 40.0	
SPB	comp=Z,1.9um,22.0s	Sao Paulo	105.13 109	PFAKE	LR	03 07 40.0	
KHZ	comp=Z,6.6um,18.0s	Kahutara	105.27 219	PFAKE	LR	03 07 40.0	
KSM	comp=Z,1.2um,20.0s	Kuching	105.37 293	PFAKE	LR	03 07 40.0	
LATR	comp=Z,1.1um,20.0s	Latur	105.43 332	ex	Pdif	03 03 05.9	-5.0
GO06	comp=Z,5.5um,22.0s	Curarehue	105.45 136	PFAKE	LR	03 07 40.0	
PBA	comp=Z,2.2um,21.0s	Armidale	105.66 314	eP	Pdif	03 03 12.2	+0.2
HYB	comp=Z,1.2um,21.0s	Hyderabad	105.77 330	eP	Pdif	03 03 13.1	+0.5
BOE	comp=Z,5.5um,5.5s	Bombay	106.00 335	ex	Pdif	03 03 09.6	-3.9
SOE	comp=Z,3.3um,20.0s	Lake Taylor	106.07 219	PFAKE	LR	03 07 40.0	
POO	comp=Z,2.2um,22.0s	Pooona	106.08 334	eP	Pdif	03 03 11.9	-2.0
DBIC	comp=Z,4.4um,16.5s	Dimbokro	106.24 55	PKPKP	PKPKP	03 18 44.8	0.0
DBIC	comp=Z,2.0nm,0.6s,baz=137,slow=9.3,SNR=3.5	Dimbokro	106.24 55	PKPKP	PKPKP	03 18 54.6	-0.9
MMRI	comp=Z,5.6nm,1.0s,baz=53,slow=1.9,SNR=4.5	Maumere	106.37 277	PKPKP	PKPKP	03 07 40.0	
CRLZ	comp=Z,2.2um,21.0s	Canterbury Las	106.61 219	PFAKE	LR	03 07 40.0	
OXZ	comp=Z,1.1um,21.0s	Oxford	106.62 219	PFAKE	LR	03 07 40.0	
MOZ	comp=Z,1.2um,21.0s	McQueen's Vall	106.70 218	PFAKE	LR	03 07 40.0	
RPZ	comp=Z,2.2um,22.0s	Rata Peaks	107.33 219	PFAKE	LR	03 07 40.0	
KULM	comp=Z,1.9um,22.0s	Kulim	107.41 304	PFAKE	LR	03 07 40.0	
WB0	comp=Z,2.2um,22.0s	Warramunga Arr	107.47 260	PFAKE	LR	03 07 40.0	
WB9	comp=Z,7.7um,20.0s	Warramunga Arr	107.49 260	PFAKE	LR	03 07 40.0	
WB8	comp=Z,1.6um,22.0s	Warramunga Arr	107.51 260	PFAKE	LR	03 07 40.0	
WR0	comp=Z,2.2um,21.0s	Warramunga Arr	107.52 260	PFAKE	LR	03 07 40.0	
WR9	comp=Z,2.2um,21.0s	Warramunga Arr	107.54 260	PFAKE	LR	03 07 40.0	
WR8	comp=Z,2.2um,21.0s	Warramunga Arr	107.55 260	PFAKE	LR	03 07 40.0	
WB6	comp=Z,1.0um,21.0s	Warramunga Arr	107.55 260	PFAKE	LR	03 07 40.0	
WR7	comp=Z,2.2um,21.0s	Warramunga Arr	107.56 260	PFAKE	LR	03 07 40.0	
WB5	comp=Z,2.2um,21.0s	Warramunga Arr	107.57 260	PFAKE	LR	03 07 40.0	
WR6	comp=Z,2.2um,21.0s	Warramunga Arr	107.57 260	PFAKE	LR	03 07 40.0	
WR5	comp=Z,2.2um,21.0s	Warramunga Arr	107.58 260	PFAKE	LR	03 07 40.0	
WB4	comp=Z,2.2um,21.0s	Warramunga Arr	107.59 260	PFAKE	LR	03 07 40.0	
WR4	comp=Z,2.2um,21.0s	Warramunga Arr	107.60 260	PFAKE	LR	03 07 40.0	
WC2	comp=Z,2.2um,21.0s	Warramunga Arr	107.60 260	PFAKE	LR	03 07 40.0	
WB3	comp=Z,2.2um,21.0s	Warramunga Arr	107.61 260	PFAKE	LR	03 07 40.0	
WR3	comp=Z,2.2um,21.0s	Warramunga Arr	107.61 260	PFAKE	LR	03 07 40.0	
WC3	comp=Z,2.2um,21.0s	Warramunga Arr	107.62 260	PFAKE	LR	03 07 40.0	
WRAB	comp=Z,2.2um,21.0s	Tennant Creek	107.62 260	PFAKE	LR	03 07 40.0	
WR2	comp=Z,2.2um,21.0s	Warramunga Arr	107.62 260	PFAKE	LR	03 07 40.0	
WC3	comp=Z,2.2um,21.0s	Warramunga Arr	107.62 260	PFAKE	LR	03 07 40.0	
WB2	comp=Z,2.2um,21.0s	Warramunga Arr	107.63 260	PFAKE	LR	03 07 40.0	
WR1	comp=Z,2.2um,21.0s	Warramunga Arr	107.63 260	ePKPKP	PKPKP	03 18 41.5	+0.7
WR4	comp=Z,2.2um,21.0s	Warramunga Arr	107.63 260	PKPKP	PKPKP	03 18 41.5	+0.7
WC4	comp=Z,2.2um,21.0s	Warramunga Arr	107.65 260	PFAKE	LR	03 07 40.0	
FOZ	comp=Z,2.2um,21.0s	Fox Glacier	107.67 220	PFAKE	LR	03 07 40.0	
IPM	comp=Z,1.0um,22.0s	Ipo	107.91 303	PFAKE	LR	03 07 40.0	
LBZ	comp=Z,2.2um,18.0s	Lake Benmore	108.24 220	PFAKE	LR	03 07 40.0	
TRQA	comp=Z,1.2um,20.0s	Tornquist	108.55 128	PFAKE	LR	03 07 40.0	
ODZ	comp=Z,3.3um,21.0s	Otahua Downs	108.61 219	PFAKE	LR	03 07 40.0	
MYKOM	comp=Z,1.9um,21.0s	Kota Tinggi	108.69 299	PFAKE	LR	03 07 40.0	
GOA							

30d 2h

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like MIR Mirny, NVL Nizarevskaya, SYO Syowa Base, MAW Mawson.

NIED 30 02:52:00, 43.20N, 147.10E, h32km, Mw3.8 Best double couple: Ms=25000, 1014, NP1=113,0000, 88,00000, 1,81,00000, NP2=284,00000, 82,00000, 1,91,00000.

ISCJB 30 02:52:19.9, 0.4, 43.28N, 0.06, 147.11E, 0.08, h49km, 9km, mb3.7/2, Error ellipse: s-maj=11.6km s-min=6.6km az=44.0.

JMA 30 02:52:19.2, 0.3, 43.24N, 147.12E, h36km, M3.7 MOS 30 02:52:20.1, 0.8, 43.38N, 147.11E, h45km, mb4.2/2, Error ellipse: s-maj=24.7km s-min=13.9km az=112.5.

SKHL 30 02:52:20.2, 0.2, 43.27N, 147.15E, h60km, 2km, mb4.4/4 ISC 30 02:52:21.0, 2.6, 43.30N, 0.09, 147.06E, 0.08, h34km, 7km, n31, c075/42, 2C-2D, Kuril Islands

Main station list table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Lists numerous stations including SHO Shikotan, YUK Yuzh-Kuril'sk, GRPR Tuman, JRA Rausu, JTKR Ashorobuto, etc.

NEIC 30 02:55:08.0, 0.0, 52.22N, 132.12W, h19km, mb5.0/53, MW5.3(OTT), After OTT. PGC 30 02:55:09.0, 15.0, 52.22N, 132.12W, h19km, 2km, ML4.8/15, Mw5.3, 116km Ssw of Sandpit, Bc Haida Gwaii Region. MOS 30 02:55:09.4, 2.4, 51.96N, 131.73W, h10km, mb5.3/46, Error ellipse: s-maj=20.9km s-min=7.5km az=118.2.

2012 OCT

BUI 30 02:55:10.3, 52.50N, 131.50W, h5km, mb5.0/43, mB5.7/23, Ms6.1/10, Ms7.5/9/10. ISCJB 30 02:55:12.3, 0.6, 52.35N, 0.02, 131.79W, 0.04, h15km, 3km, mb4.9/105, MS5.8/2, Error ellipse: s-maj=4.9km s-min=2.2km az=149.0. IDC 30 02:55:13.3, 2.0, 52.19N, 132.13W, h34km, 13km, mb4.4/15, mb1.4/5/20, mb1mx4.3/58, mbmp4.5/20, ML4.1/4, Error ellipse: s-maj=21.7km s-min=10.0km az=39.0. ISC 30 02:55:12.0, 0.9, 52.28N, 0.04, 131.87W, 0.04, h6km, 5km, n494, c294/457, mb5.0/118, 2C-4D, Queen Charlotte Islands region

Main station list table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Lists numerous stations including BNB Barry Inlet, MOBC Moresby Island, DIB Dawson Inlet, H02S1 VAN INLET T-PH, etc.

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Main station list table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Lists numerous stations including K04D Chiloquin, GLI Glacier Falls, KRMB Red Mountain, YBH Yreka Blue Hour, etc.

30d 3h

Table with columns: MODS, CONA, VYHS, VYHS, MK31, MK32, MKAR, MK01, MAKZ, MYKA, SOKA, OBKA, ESDC, SBF, FRF, GTA, ABKAR, WMQ, WMQ, WMQ, WMQ, XAN, XAN, XAN, LZH, LZH, LZH, LZH, LZH, LZH, FRU, AAK, AAK, CD2, KIV, KSH, KSH, KSH, GYA, BRTR, LPAZ, GNI, KMI, ABPO, LBTB, VNA3, VNA2, SNA, SNA, SNA, BOS, SYO. Includes station names, coordinates, and various parameters.

30d 03:07:24.4,3.6,52.01N:132.49W, h0km, mb3.7/1, mb1 4.0/6, mb1mx3.6/55, mbmt3.7/6, ML3.5/5, Error ellipse: s-maj=58.5km s-min=19.6km az=75.0

30d 03:07:26.9,2.2,52.1N:101.132.1W:0.2, h10km, n9, +1893/6, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BBB, DLBC, YKA, NVAR, PDAR, TXAR, H1N2, H1N3, H1N1.

30d 03:12:40.7,1.0,44.63N:149.38E, h0km, mb4.0/11, mb1 4.2/12, mb1mx3.9/54, mbmt4.0/12, ML3.2/1, MS5.0/2, MS1 5.0/2, ms1mx4.0/57, Error ellipse: s-maj=28.4km s-min=22.6km az=146.0

JMA 30 03:12:43.8,1.0,44.74N:149.55E, h30km, M4.4 SKHL 30 03:12:45.6,0.6,44.58N:149.38E, h35km, mb4.3/5 NEIC 30 03:12:45.0,0.5,44.61N:149.38E, h35km, mb4.3/2, Error ellipse: s-maj=12.9km s-min=7.0km az=144.0 MOS 30 03:12:46.1,2.4,44.53N:149.26E, h56km, mb4.2/7, Error ellipse: s-maj=10.4km s-min=9.8km az=156.1

2012 OCT

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KUR, SHO, YUK, GRPR, NEM2, GLVR, JRA, JNK, JAK, JAK, JTKR, JAK, JAR, JOB, JCH, JCH, JJK2, JJK2, ASAJ, ASAJ, ASAJ, MYR, MYR, JEM, JNBK, JB72, JNB, JKB, JYM2, JANG, JANG, JTM, JTM, JSR, SKR, SKR, JOM, OFJU, JRG, JIO, PETK, PETK, MJAR, MAJO, MAJO, USA0B, USURK, KLR.

1564

Table with columns: KLR, EKMR, BMKR, YAK, YAK, H1N2, H1N1, H1N3, H1S1, H1S3, H1S2, SONA, SONA, SONM, SONM, NACB, IM3, ILAR, ILAR, ILB, DGZ, DGZ, MK32, MKAR, MKAR, MKAR, KURK, KURK, AAK, AAK, RES, RES, RES, ABKAR, BATI, LEM, AS31, ASAR, NB2, NB20, NOA, KIV, KIV, KIBZ, ZEI, ZEI, ZEI, AKAS, AKBB, AKBB, BUR04, CLL, CLL, CLL, BR101, BRTR, BRTR, BR231, KHC, KHC, KHC, GERES, GERES, LTX, LTX, TXAR.

1564 03:13:48.9,3.8,52.240N:132.52W, h0km, mb3.3/1, mb1 3.7/4, mb1mx3.4/45, mbmt3.3/4, ML3.6/3, Error ellipse: s-maj=89.1km s-min=9.7km az=78.0, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like H02S1, H02S1, H02N1, DLBC, NVAR, PDAR, TXAR, H1N2, H1N3, H1N1.

1564 03:14:17.8,4.5,52.282N:132.42W, h0km, mb3.6/1, mb1 4.0/5, mb1mx3.6/44, mbmt3.6/5, ML3.5/4, Error ellipse: s-maj=86.7km s-min=19.5km az=79.0, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like DLBC, NVAR, PDAR, TXAR, H1N2, H1N3.

H11N1 WAKE ISLAND Hy 56.78 259 T T 04 26 10.7

IDC 03 03:16:02.1.3.9.52.16N:132.60W, h0km, mb4.0/1, mb1 4.3/5, mb1mx3.7/42, mbtmtp3.9/5, ML3.7/4, Error ellipse: s-maj=77.9km s-min=10.6km az=78.0

ISCJB 03 03:16:02.2.0.52.23N:0.1:132.2W:0.4, h10km, mb3.9/1, Error ellipse: s-maj=41.5km s-min=9.4km az=156.5

ISC 03 03:16:03.4.2.6.52.23N:0.1:132.4W:0.3, h10km, n7, az=186/7, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, h, m, s, Res, ISC. Rows include H02S1 DAWSON INLET T, H02S1 VAN INLET T-PH, DLBC Dease Lake, YKA Yellowknife Ar, NVAR Mina Array Bea, PDAR Pinedale Array, TXAR Lajitas Array.

IDC 03 03:34:51.2.2.3.52.15N:131.79W, h0km, mb3.7/1, mb1 3.9/5, mb1mx3.5/53, mbtmtp3.5/5, ML3.7/4, MS4.7/1, Ms1 4.7/1, ms1mx3.5/55, Error ellipse: s-maj=42.3km s-min=13.8km az=78.0

ISCJB 03 03:34:52.9.1.5.52.22N:0.1:131.8W:0.3, h18km, mb3.7/1, Error ellipse: s-maj=30.9km s-min=10.7km az=147.3

ISC 03 03:34:53.9.1.6.52.22N:0.2:131.8W:0.2, h18km, n10, az=639/6, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, h, m, s, Res, ISC. Rows include H02N1 VAN INLET T-PH, BBB Bella Bella, DLBC Dease Lake, INK Inuvik, NVAR Mina Array Bea, PDAR Pinedale Array, TXAR Lajitas Array, H11N2 WAKE ISLAND Hy, H11N3 WAKE ISLAND Hy, H11N1 WAKE ISLAND Hy.

ISCJB 03 03:38:15.0.1.1.52.23N:0.1:131.7W:0.4, h10km, mb3.5/2, Error ellipse: s-maj=36.6km s-min=8.2km az=148.4

IDC 03 03:38:15.3.1.4.52.20N:131.50W, h0km, mb3.6/2, mb1 4.0/6, mb1mx3.6/52, mbtmtp3.7/6, ML3.3/4, Error ellipse: s-maj=40.0km s-min=10.9km az=57.0

ISC 03 03:38:16.4.1.5.52.23N:0.2:131.8W:0.3, h10km, n8, az=679/9, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, h, m, s, Res, ISC. Rows include H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, DLBC Dease Lake, YBH Yreka Blue Hour, NVAR Mina Array Bea, PDAR Pinedale Array, ANMO Albuquerque, TXAR Lajitas Array.

ISCJB 03 03:42:30.7.0.9.8.16S:0.07:123.66E:0.06, h33km, mb3.7/1, Error ellipse: s-maj=10.2km s-min=7.7km az=34.2

IDC 03 03:42:33.6.1.6.8:20S:124.39E, h0km, mb3.7/1, mb1 3.8/5, mb1mx3.5/42, mbtmtp3.7/5, ML3.5/4, Error ellipse: s-maj=41.2km s-min=16.6km az=96.0

DJA 03 03:42:34.9.1.2.9.3.12.9E:1.6:124km, 16km, M4.1/8, mb4.8/1, mb4.5/4, MLV3.8/8, MW(m)B.4/1

ISC 03 03:42:34.9.1.1.8.21S:0.06:123.48E:0.08, h35km, n15, az=278/16, Flores region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, h, m, s, Res, ISC. Rows include M0E1 Maumere, MMRI Alice Springs, SMI Sae, EDFI Ende, EDPI Ende, BATI Baumata, BATI Baumata, BATI Baumata, BBSI Bau Bau, BKBS Bulukumba, BNSI Borne, TTSI Tana Toraja, APSI Ampana, MFSI Mapasa, FITZ Fitzroy Crossi, FITZ Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array.

IDC 03 03:46:05.7.1.2.52.28N:132.33W, h0km, mb3.8/4, mb1 3.9/9, mb1mx3.6/57, mbtmtp3.7/9, ML3.4/4, Error ellipse: s-maj=23.9km s-min=9.0km az=70.0

ISCJB 03 03:46:06.0.1.0.52.36N:0.09:132.2W:0.2, h10km, mb3.9/4, Error ellipse: s-maj=21.7km s-min=8.6km az=148.8

ISC 03 03:46:07.3.1.4.52.44N:0.1:132.0W:0.2, h10km, n14, az=156/11, mb4.0/15, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, h, m, s, Res, ISC. Rows include H02S1 DAWSON INLET T, H02S1 VAN INLET T-PH, H02N1 VAN INLET T-PH, BBB Bella Bella, DLBC Dease Lake, YKA Yellowknife Ar, NVAR Mina Array Bea, PDAR Pinedale Array, TXAR Lajitas Array, H11N2 WAKE ISLAND Hy, H11N1 WAKE ISLAND Hy.

H11N3 WAKE ISLAND Hy 57.01 259 T T 04 58 02.7

H11N1 WAKE ISLAND Hy 57.02 259 T T 04 58 03.8

ZALV Zalesovo Beam 68.71 338 P P 03 57 16.9 +0.1

KURBB Kurchatov Arra 74.20 340 P P 03 57 43.8 0.0

MKAR Makanchi Array 76.96 337 P P 03 57 59.7 0.0

IDC 03 03:51:55.9.1.3.52.22N:132.00W, h0km, mb4.0/5, mb1 4.0/9, mb1mx3.7/53, mbtmtp3.9/9, ML3.8/4, MS4.7/1, Ms1 4.7/1, ms1mx3.4/50, Error ellipse: s-maj=26.9km s-min=8.4km az=59.0

ISCJB 03 03:51:57.6.0.4.52.30N:0.04:131.89W:0.0, h18km, mb4.0/17, MS4.7/1, Error ellipse: s-maj=9.4km s-min=3.7km az=147.9

NEIC 03 03:51:58.1.1.8.52.27N:131.85W, h10km, 12km, mb4.1/23, Error ellipse: s-maj=14.3km s-min=5.2km az=56.0

ISC 03 03:51:58.3.0.9.52.25N:0.08:131.82W:0.09, h18km, n56, az=1567/50, mb4.0/15, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, h, m, s, Res, ISC. Rows include DIB Dawson Inlet, H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, BBB Bella Bella, DLBC Dease Lake, DLBC Dease Lake, K05A Summer Lake, YKA Yellowknife Ar, YKB5 Yellowknife Ar, ILB Eielson Array, CCB Clear Creek Bu, AFDM Forest Hills D, MLY Manley, KVN Kaysville, TPWA Teton Pass, NV01 Mina Array Sit, NV01 Mina Array Bea, NV11 Mina Array Sit, IM3 Indian Mountai, PD31 Pinedale Array, PDAR Pinedale Array, PDAR Pinedale Array, PV21 Popoh Spring, SZCU Shurt Canyon, RWWY Rawlins, LCMT Little Creek M, PKCU Pink Cliffs, K02A White River C, ONB Kanab, N23A Red Feather La, U15A North Rim, PV14 Lion Creek, Pa, PV22 Blue Mesa, Par, PV16 Nyswonger Mesa, PV13 Radium Mtn., P, SMCO Snowmass, WUAZ Wupatki, MVCO Mesa Verde, ULM Lac du Bonnet, S22A 4UR Ranch, Cre, Y14A Wickenburg, SDC Great Sand Dun, TX31 Lajitas Ar, S1 Lajitas, TXAR Lajitas Array, KLR Kul'dur, H11N2 WAKE ISLAND Hy, H11N3 WAKE ISLAND Hy, H11N1 WAKE ISLAND Hy.

ZALV Zalesovo Beam 68.71 338 P P 03 57 16.9 +0.1

KURBB Kurchatov Arra 74.20 340 P P 03 57 43.8 0.0

MKAR Makanchi Array 76.96 337 P P 03 57 59.7 0.0

IDC 03 03:57:59.6.8.3.36.18N:70.95E, h134km, 67km, mb3.3/3, mb1 3.4/6, mb1mx3.0/54, mbtmtp3.7/6, Error ellipse: s-maj=76.2km s-min=30.9km az=44.0

ISCJB 03 03:58:02.0.0.6.36.48N:0.06:71.00E:0.08, h188km, mb3.4/2, Error ellipse: s-maj=10.0km s-min=5.7km az=139.9

NNC 03 03:58:05.9.3.6.36.76N:70.69E, h142km, 50km, mb3.1, mpv3.7, Error ellipse: s-maj=34.4km s-min=27.3km az=153.0

ISC 03 03:58:03.1.0.9.36.48N:0.08:70.99E:0.08, h188km, n21, az=260/24, 1C-30, Hindu Kush region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, h, m, s, Res, ISC. Rows include H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, DLBC Dease Lake, YKA Yellowknife Ar, NVAR Mina Array Bea, PDAR Pinedale Array, TXAR Lajitas Array, H11N2 WAKE ISLAND Hy, H11N3 WAKE ISLAND Hy, H11N1 WAKE ISLAND Hy, ZAA1 Zalesovo Array, ZALV Zalesovo Beam, KURK Kurchatov Arr, KURBB Kurchatov Arra, MK32 Makanchi Array, MKAR Makanchi Array, IDC 03 03:57:59.6.8.3.36.18N:70.95E, h134km, 67km, mb3.3/3, mb1 3.4/6, mb1mx3.0/54, mbtmtp3.7/6, Error ellipse: s-maj=76.2km s-min=30.9km az=44.0, ISCJB 03 03:58:02.0.0.6.36.48N:0.06:71.00E:0.08, h188km, mb3.4/2, Error ellipse: s-maj=10.0km s-min=5.7km az=139.9, NNC 03 03:58:05.9.3.6.36.76N:70.69E, h142km, 50km, mb3.1, mpv3.7, Error ellipse: s-maj=34.4km s-min=27.3km az=153.0, ISC 03 03:58:03.1.0.9.36.48N:0.08:70.99E:0.08, h188km, n21, az=260/24, 1C-30, Hindu Kush region.

IDC 03 03:57:59.6.8.3.36.18N:70.95E, h134km, 67km, mb3.3/3, mb1 3.4/6, mb1mx3.0/54, mbtmtp3.7/6, Error ellipse: s-maj=76.2km s-min=30.9km az=44.0

ISCJB 03 03:58:02.0.0.6.36.48N:0.06:71.00E:0.08, h188km, mb3.4/2, Error ellipse: s-maj=10.0km s-min=5.7km az=139.9

NNC 03 03:58:05.9.3.6.36.76N:70.69E, h142km, 50km, mb3.1, mpv3.7, Error ellipse: s-maj=34.4km s-min=27.3km az=153.0

ISC 03 03:58:03.1.0.9.36.48N:0.08:70.99E:0.08, h188km, n21, az=260/24, 1C-30, Hindu Kush region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, h, m, s, Res, ISC. Rows include K05A Summer Lake, YBH Yreka Blue Hour, MVCO Mesa Verde, ULM Lac du Bonnet, S22A 4UR Ranch, Cre, Y14A Wickenburg, SDC Great Sand Dun, TX31 Lajitas Ar, S1 Lajitas, TXAR Lajitas Array, KLR Kul'dur, H11N2 WAKE ISLAND Hy, H11N3 WAKE ISLAND Hy, H11N1 WAKE ISLAND Hy, ZAA1 Zalesovo Array, ZALV Zalesovo Beam, KURK Kurchatov Arr, KURBB Kurchatov Arra, MK32 Makanchi Array, MKAR Makanchi Array, IDC 03 03:57:59.6.8.3.36.18N:70.95E, h134km, 67km, mb3.3/3, mb1 3.4/6, mb1mx3.0/54, mbtmtp3.7/6, Error ellipse: s-maj=76.2km s-min=30.9km az=44.0, ISCJB 03 03:58:02.0.0.6.36.48N:0.06:71.00E:0.08, h188km, mb3.4/2, Error ellipse: s-maj=10.0km s-min=5.7km az=139.9, NNC 03 03:58:05.9.3.6.36.76N:70.69E, h142km, 50km, mb3.1, mpv3.7, Error ellipse: s-maj=34.4km s-min=27.3km az=153.0, ISC 03 03:58:03.1.0.9.36.48N:0.08:70.99E:0.08, h188km, n21, az=260/24, 1C-30, Hindu Kush region.

PKIN Phulchoi 15.09 122 eP P 04 01 27.3 -0.7

AB31 Akbulak array 15.10 331 P Pn 04 01 26.3 -0.5

PKI Pulchoi 15.10 122 eP P 04 01 27.6 -0.6

KURBB Kurchatov Arra 15.14 19 P P 04 01 31.3 +3.2

GUN Gumb 15.21 120 eP Pn 04 01 27.9 -0.9

JIRN Jiri 15.59 120 eP P 04 01 32.7 -0.9

AKTO Aktyubinsk 16.79 330 P Pn 04 01 49.2 +2.0

AKTO Aktyubinsk 16.79 330 P Pn 04 01 48.7 +1.4

TAPN Taplejung 16.84 118 eP Pn 04 01 49.0 +0.6

ZALV Zalesovo Beam 19.94 24 P Pn 04 02 23.6 -0.0

ARCES ARCESS Array B 41.16 338 P P 04 05 32.3 +3.7

WRA Warramunga Arr 81.99 122 P P 04 10 04.1 +2.0

NEIC 03 03:59:38.0.0.5.52.24N:132.37W, h10km, mb4.2/8/2, ML4.8(OT):After OTT.

PGC 03 03:59:38.3.52.23N:132.37W, h11km, 119km Ssw of Sandspit, Bo Haida Gwaii Region

ISCJB 03 03:59:40.3.0.8.52.38N:0.03:131.88W:0.06, h20km, 6km, mb4.3/54, MS4.8/1, Error ellipse: s-maj=7.3km s-min=2.4km az=147.3

IDC 03 03:59:42.0.2.0.52.43N:131.81W, h20km, 3km, mb4.2/17, mb1 4.3/19, mb1mx4.1/48, mbtmtp4.3/19, ML3.8/3, MS4.8/1, Ms1 4.8/1, ms1mx3.6/41, Error ellipse: s-maj=21.0km s-min=7.0km az=50.0

ISC 03 03:59:41.6.0.6.52.33N:0.06:132.02W:0.07, h17km, 3km, h18km, n15, az=1939/294, mb4.4/54, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, h, m, s, Res, ISC. Rows include H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, BBB Bella Bella, BBB Bella Bella, CRAG Craig, CRAG Craig, WRAK Wrangell Islan, WRAK Wrangell Islan, SIT Sitka, JIS Juneau Island, DLBC Dease Lake, DLBC Dease Lake, DLBC Dease Lake, SKAG Skagway, SKAG Skagway, PCA Pinnacle, Christiana Ranch, H04D Lebanon, F07A Phinny Hill Vi, I03D Drain, OR, J01E Myrtle Point, I04A Tendick Farm, E09A Waco Farm, Sta, K02D Willamet Mer, PINE Pine Mountain, HUMO Hull Mountain, F10A F10A, J05D Fort Rock, OR, L02E Cave Junction, KLU Klutina, L04D Klath Falls, K05A Summer Lake, YBH Yreka Blue Hour, MVCO Macdoel, SCM Sheep Creek Mo, J08A Circle Bar Can, MISO Missoula, MISO Missoula, SML Sawmill, SMD Modoc Plateau, PNR Palmer, RIDG independ'a Rid, YKA Yellowknife Ar, YKB5 Yellowknife Ar, RND Reindeer, EPYK Eagle Plains, HDA Harding Lake, HDA Harding Lake, MCK McKinley, DLMT Dillon, IL1 Eielson Array, ILB Eielson Array, HLID Hailey, HLID Hailey, MCMT McKenzie Canyo, TRF Thorofare Moun, WRH Wood River Hill, CCB Clear Creek Bu, BEKR Beckworth, EGMT Eagleton, EGMT Eagleton, BWN Browne, BOZ Bozeman (W), COLA College, TCOL CIGO, UAF Yank, POKR Poker Plat Res, MDM Murphy Dome, PAHR Pah Rah Range, BPWA Paw Mtn, AFDM Forest Hills D, QLMT Eschwaute Lak, YCNR Virginia City, YHB Yreka Butte, YHH Holmes Hill, YMR Madison River, MLY Manley, GCMT Greycliff, YERR Yerington, INK Inuvik, H17A Grant Village.

ISCJB 03 03:59:42.0.2.0.52.43N:131.81W, h20km, 3km, mb4.2/17, mb1 4.3/19, mb1mx4.1/48, mbtmtp4.3/19, ML3.8/3, MS4.8/1, Ms1 4.8/1, ms1mx3.6/41, Error ellipse: s-maj=21.0km s-min=7.0km az=50.0

ISC 03 03:59:41.6.0.6.52.33N:0.06:132.02W:0.07, h17km, 3km, h18km, n15, az=1939/294, mb4.4/54, Queen Charlotte Islands region

H02S1 DAWSON INLET T 0.93 342 P P 03 59 57.9 -2.1

H02N1 VAN INLET T-PH 0.98 341 P Pn 04 00 11.9

BBB Bella Bella 2.40 92 Pn 04 00 17.3 -2.7

BBB Bella Bella 2.40 92 Pn 04 00 17.1 -3.0

BBB Bella Bella 2.40 92 Pn 04 00 50.4 +1.4

CRAG Craig 3.21 349 ePn Sn 04 00 30.7 -0.4

CRAG Craig 3.21 349 ePn Sn 04 01 08.0 -1.0

WRAK Wrangell Islan 4.10 357 ePn Sn 04 00 43.5 +0.1

WRAK Wrangell Islan 4.10 357 ePn Sn 04 01 32.4 +1.4

SIT Sitka 5.11 339 ePn Sn 04 01 52.9 -2.8

JIS Juneau Island 6.11 348 ePn Sn 04 01 09.1 -1.6

DLBC Dease Lake 6.23 10 Pn 04 02 10.2 +0.7

DLBC Dease Lake 6.23 10 Pn 04 01 15.2 +2.6

DLBC Dease Lake 6.23 10 Pn 04 01 15.7 +3.1

DLBC Dease Lake 6.23 10 Pn 04 02 25.8 +2.4

SKAG Skagway 7.39 347 ePn Sn 04 01 32.6 +4.2

SKAG Skagway 7.39 347 ePn Sn 04 02 50.6 -1.1

PCA Pinnacle 9.03 333 ePn Sn 04 01 52.6 +1.5

Christiana Ranch 9.33 349 ePn Sn 04 03 05.8 +0.2

H04D Lebanon 9.94 138 P Pn 04 02 03.9 +0.4

F07A Phinny Hill Vi 10.12 124 ePn Pn 04 02 08.4 +1.3

I03D Drain, OR 10.40 143 P Pn 04 02 11.2 +1.4

J01E Myrtle Point 10.66 146 P Pn 04 02 15.2 +2.9

I04A Tendick Farm, 10.68 139 P Pn 04 02 14.9 +1.2

E09A Waco Farm, Sta 10.74 117 ePn Pn 04 02 13.0 -1.4

K02D Willamet Mer 11.16 146 P Pn 04 02 21.8 +1.5

PINE Pine Mountain 11.30 135 ePn Pn 04 02 24.9 +2.6

HUMO Hull Mountain 11.49 144 ePn Pn 04 02 26.4 +1.7

F10A F10A 11.57 338 ePn Pn 04 02 25.1 +2.2

J05D Fort Rock, OR 11.58 137 P Pn 04 02 27.4 +1.2

L02E Cave Junction 11.66 147 P Pn 04 02 28.3 +1.2

KLU Klutina 11.89 326 ePn Pn 04 02 30.0 -0.2

L04D Klath Falls 12.06 143 P Pn 04 02 34.2 +1.5

K05A Summer Lake 12.18 138 ePn Pn 04 02 35.7 +1.3

YBH Yreka Blue Hour 12.34 146 ePn Pn 04 02 34.5 -2.0

MVCO Macdoel 12.61 143 P Pn 04 02 41.4 +1.2

SCM Sheep Creek Mo 12.61 325 ePn Pn 04 02 39.7 -0.4

J08A Circle Bar Can 12.76 129 ePn Pn 04 02 42.5 +0.3

MISO Missoula 12.94 108 ePn Pn 04 01 55.5 +0.2

MISO Missoula 12.94 108 P Pn 04 02 44.0 -0.6

SML Sawmill 12.96 323 ePn Pn 04 02 42.4 -2.3

SMD Modoc Plateau 13.11 138 ePn Pn 04 02 45.8 -1.3

PNR Palmer 13.12 322 ePn Pn 04 02 47.3 +0.4

RIDG independ'a Rid 13.27 335 ePn Pn 04 02 51.1 +0.1

YKA Yellowknife Ar 13.79 36 Pn 04 02 55.1 -1.0

YKB5 Yellowknife Ar 13.79 36 ePn Pn 04 02 55.1 -1.0

RND Reindeer 14.21 328 P P 04 03 04.3 +2.5

EPYK Eagle Plains 14.28 326 P P 04 03 09.5 -0.4

HDA Harding Lake 14.37 333 ePn Pn 04 03 03.8 -0.1

HDA Harding Lake 14.37 333 P P 04 03 11.7 +0.9

MCK McKinley 14.46 329 ePn Pn 04 03 01.2 -3.9

DLMT Dillon 14.54 311 ePn Pn 04 03 09.4 +2.9

IL1 Eielson Array 14.63 334 ePn Pn 04 03 08.4 +0.9

ILB Eielson Array 14.63 334 ePn Pn 04 03 04.6 -2.9

CMB	Columbia Colle comp-Z,17nm,1.0s	16.23 146 ePn	Pn	04 44 01.8 +0.1
CMB	Columbia Colle	16.23 146 eP	Pn	04 44 01.8 +0.1
CMB	comp-Z,17nm,1.0s	16.23 146 ePmax	Pmax	
FXWY	Fox Creek comp-Z,25nm,1.0s	16.30 113 ePn	Pn	04 44 04.0 +1.4
MOOW	Moose Ponds comp-Z,27nm,1.1s	16.39 113 ePn	Pn	04 44 05.3 +1.5
RYN	Ryan comp-Z,18nm,0.9s	16.40 140 ePn	Pn	04 44 05.1 +1.2
RLMT	Red Lodge	16.44 106 ePn	Pn	04 44 04.0 -0.4
RLMT	Red Lodge	16.44 106 ePn	Pn	04 44 04.0 -0.4
LOHW	Long Hollow comp-Z,14nm,1.0s	16.55 113 ePn	Pn	04 44 06.6 +0.7
SNOW	Snow King Moun comp-Z,28nm,1.1s	16.56 113 ePn	Pn	04 44 08.0 +2.0
REDW	Red Top Meadow comp-Z,41nm,1.1s	16.57 114 ePn	Pn	04 44 08.0 +1.9
HVU	Hansel Valley	16.58 121 ePn	Pn	04 44 07.0 +0.8
HVU	Hansel Valley	16.58 121 ePn	Pn	04 44 07.0 +0.8
NVAR	Mina Array Bea comp-Z,12nm,0.3s,baz=319,slow=8.9,SNR=61	16.66 140 ePn	Pn	04 44 08.2 +1.0
NV01	Mina Array Sit	16.66 140 ePn	Pn	04 44 05.1 -2.1
NV11	Mina Array Sit	16.71 140 ePn	Pn	04 44 08.8 +0.9
AHD	Auburn Hatcher comp-Z,12nm,1.0s	16.81 116 ePn	Pn	04 44 09.3 +0.1
MDPB	Devils Postpil comp-Z,12nm,1.0s	17.06 143 ePn	Pn	04 44 13.7 +1.4
BGU	Big Grassy Moun comp-Z,11nm,1.2s	17.07 124 ePn	Pn	04 44 12.2 -0.1
SPUT	South Promont	17.09 122 ePn	Pn	04 44 13.9 +1.3
OMMB	Old Mammoth Mt	17.10 143 ePn	Pn	04 44 14.6 0.0
MLAC	Mammoth, Mammoth	17.15 143 P	P	04 44 15.0 0.0
HWUT	Hardware Ranch	17.34 119 ePn	Pn	04 44 15.8 -0.1
GOLD	Coldfoot	17.61 336 eP	P	04 44 13.3 -4.9
BW06	Boulder Array	17.68 113 ePn	Pn	04 44 19.8 -0.1
BW06	Boulder Array	17.68 113 P	Pn	04 44 20.0 0.0
PD31	Pinedale Array	17.68 113 ePn	Pn	04 44 20.9 +0.9
PDAR	Pinedale Array comp-Z,0.3nm,0.3s,baz=310,slow=9.6,SNR=42	17.68 113 P	Pn	04 44 19.9 0.0
PDAR	Pinedale Array	17.68 113 ePn	Pn	04 44 20.1 +0.1
IMG	Indian Mounal	17.71 330 ePn	Pn	04 44 20.6 -0.2
DUG	Dugway, Tooele	17.72 125 ePn	Pn	04 44 19.3 -1.1
DUG	Dugway, Tooele	17.72 125 ePn	Pn	04 44 19.3 -1.1
DUG	Dugway, Tooele	17.72 125 P	Pn	04 44 20.2 -0.2
PMPB	Monarch Peak comp-Z,15nm,1.2s	17.75 150 ePn	Pn	04 44 24.6 +3.2
TCUT	Toone Canyon	17.77 120 ePn	Pn	04 44 21.1 -0.1
R11A	Troy Canyon, C	17.86 134 ePn	Pn	04 44 22.7 +0.5
R11A	Troy Canyon, C	17.86 134 P	Pn	04 44 22.0 -0.2
TIN	Tinemaha, Big	17.88 142 P	P	04 44 24.1 +1.2
CTU	Camp Tracy comp-Z,1.4nm,0.7s	17.90 122 ePn	Pn	04 44 21.1 -1.5
FFC	Flin Flon	17.90 70 ePn	Pn	04 44 21.8 -0.6
FFC	Flin Flon	17.90 70 eP	Pn	04 44 21.8 -0.6
FFC	comp-Z,24nm,1.1s	17.90 70 Pmax	Pmax	
DGMT	Dagmar	17.97 91 ePn	Pn	04 44 22.6 -0.8
DGMT	Dagmar	17.97 91 P	Pn	04 44 23.0 -0.4
JLU	Jordanelle comp-Z,13nm,1.2s	18.12 122 ePn	Pn	04 44 26.7 +1.0
GRAC	Grapevine Rang	18.27 140 P	Pn	04 44 28.4 +1.3
NLU	North Lily Min comp-Z,15nm,1.2s	18.27 142 ePn	Pn	04 44 28.3 +1.0
PAGB	Antelope Grade	18.37 149 ePn	Pn	04 44 29.8 +1.5
MPU	Maple Canyon	18.45 123 ePn	Pn	04 44 31.4 +1.9
CWC	Cottonwood Cre	18.48 143 ePn	Pn	04 44 30.6 +0.8
PSUT	Pine Spring comp-Z,26nm,1.1s	18.50 130 ePn	Pn	04 44 30.5 +0.6
TOLK	Toolik Lake Re comp-Z,25nm,1.1s	18.58 339 ePn	Pn	04 44 33.2 +2.6
TOLK	Toolik Lake Re	18.58 339 Pn	Pn	04 44 32.3 +1.6
YES	Vestal, Richgr comp-Z,35,SNR=18	18.66 146 P	Pn	04 44 32.4 +0.6
TPNV	Topopah Spring comp-Z,8.7nm,0.9s	18.76 138 ePn	Pn	04 44 33.4 +0.8
TPNV	Topopah Spring	18.76 138 P	Pn	04 44 33.0 +0.6
DAC	Darwin (Calif) comp-Z,5.2nm,1.1s	18.81 142 ePn	Pn	04 44 32.7 -0.5
DAC	Darwin (Calif)	18.81 142 ePn	Pn	04 44 32.7 -0.5
DAC	comp-Z,5.0nm,1.1s	18.81 142 P	Pmax	
SMMC	Simmler comp-Z,37	18.84 149 P	P	04 44 34.4 +1.0
FURC	Furnace Creek, baz=331,SNR=19	18.93 140 P	Pn	04 44 35.4 +0.4
ISA	Isabella, Lake	19.03 145 ePn	Pn	04 44 36.3 +0.8
ISA	Isabella, Lake	19.03 145 ePn	Pn	04 44 36.3 +0.8
ISA	Isabella, Lake	19.03 145 P	Pn	04 44 36.0 +0.5
MPMC	Manual Prospec	19.04 142 P	P	04 44 36.0 +0.2
TMUT	Trail Mountain comp-Z,10.0nm,1.0s	19.21 124 ePn	Pn	04 44 38.6 +0.9
PKM	Mcperson Peak	19.28 149 P	Pn	04 44 39.3 +0.9
P17A	Butcher Ranch, comp-Z,22nm,1.1s	19.32 123 ePn	Pn	04 44 39.8 +1.0
MSU	Marysval	19.32 127 ePn	Pn	04 44 39.7 +0.8
MSU	Marysval	19.32 127 ePn	Pn	04 44 39.7 +0.8
P18A	Preston Nutter comp-Z,9.9nm,1.1s	19.46 122 ePn	Pn	04 44 41.4 +0.9
LRMC	Laurel Mtn Rad	19.48 143 P	Pn	04 44 40.9 +0.4
K22A	Casper comp-Z,33nm,1.1s	19.49 109 ePn	Pn	04 44 40.0 -0.7
K22A	Casper	19.49 109 P	Pn	04 44 39.9 -0.7
CCUT	Cedar City	19.52 131 ePn	Pn	04 44 41.9 +0.8
SHPR	Sheep Ranch, comp-Z,33nm,1.1s	19.59 136 ePn	Pn	04 44 42.0 +0.3
SHPR	Shurtz Canyon	19.61 131 ePn	Pn	04 44 42.5 +0.5
SHOC	Shoshone, Teco	19.65 140 P	Pn	04 44 43.9 +0.2
MTPU	Mount Pierson	19.69 128 ePn	Pn	04 44 44.2 +1.2
SRU	San Rafael Swe comp-Z,39nm,1.1s	19.70 123 ePn	Pn	04 44 44.3 +1.3
SRU	San Rafael Swe	19.70 123 eP	Pmax	
SRU	comp-Z,39nm,1.1s	19.70 123 ePmax	Pmax	
RWWY	Rawlins	19.70 112 ePn	Pn	04 44 43.9 +0.9
EDW2	Edwards Air Fo	19.91 145 P	P	04 44 45.3 +0.2
GSC	Goldstone, Bar	19.97 142 ePn	Pn	04 44 46.7 +0.9
GSC	Goldstone, Bar	19.97 142 ePn	Pn	04 44 46.7 +0.9
GSC	Goldstone, Bar	19.97 142 P	Pn	04 44 46.3 +0.5
LCMT	Little Creek M comp-Z,51nm,1.2s	20.02 132 ePn	Pn	04 44 46.9 +0.5
PKCU	Pink Cliffs	20.10 129 ePn	Pn	04 44 48.7 +1.2
RSSD	Black Hills	20.11 103 ePn	Pn	04 44 47.0 -0.4
RSSD	Black Hills	20.11 103 ePn	Pn	04 44 47.0 -0.4
RSSD	comp-Z,18nm,1.1s	20.11 103 P	Pmax	
RSSD	Black Hills	20.11 103 P	P	04 44 47.5 +0.1
O20A	White River Ci comp-Z,41nm,1.1s	20.18 117 ePn	Pn	04 44 49.2 +1.1
O20A	White River Ci	20.18 117 P	Pn	04 44 48.3 +0.2
TUQ	Turquoise Moun	20.20 140 P	Pn	04 44 48.7 +0.3
KNB	Kanab	20.21 131 ePn	Pn	04 44 48.9 +0.4
KNB	Kanab	20.21 131 ePn	Pn	04 44 48.9 +0.4
KNB	Kanab	20.21 131 ePmax	Pmax	
BLG	Laguna Peak, P	20.24 148 P	P	04 44 50.0 +1.4

AKUT	baz=337	20.35 289 eP	Pn	04 44 54.7 +2.9
DECC	Akutan comp-Z,338nm,1.2s	20.35 146 P	P	04 44 51.2 +1.3
MWC	Green Verdugo	20.48 146 eP	P	04 44 51.9 +0.5
MWC	Mount Wilson	20.48 146 eP	Pmax	
MWC	Mount Wilson	20.48 146 ePmax	Pmax	
PASC	comp-Z,54nm,1.1s	20.48 146 eP	P	04 44 51.6 +0.4
HEC	Pasadena Art C comp-Z,24nm,0.9s	20.57 141 P	P	04 44 52.6 +0.3
BFSC	Hector,Ludlow	20.60 145 P	P	04 44 53.1 +0.4
UNV	Mount Baldy Ra	20.62 145 P	P	04 44 53.1 +0.4
LDFO	Unalaska Valle comp-Z,12nm,1.1s	20.82 288 ePn	Pn	04 44 53.2 -1.6
BBRC	LDFC	20.84 136 ePn	Pn	04 44 55.4 +0.2
BBRC	Big Bear Solar	20.85 143 P	P	04 44 55.6 +0.1
GMRC	comp-Z,28nm,1.1s	20.87 140 P	P	04 44 55.6 0.0
PV09	Granite Mouna	20.87 140 P	P	04 44 55.6 0.0
PV21	Paradox Valley	20.88 122 ePn	Pn	04 44 56.7 +0.5
PV21	Comt Mtn., Par	20.88 122 ePn	Pn	04 44 56.7 +0.5
U15A	comp-Z,26nm,1.2s	20.93 131 ePn	Pn	04 44 56.9 +0.4
N23A	Noter Rim	20.95 112 ePn	Pn	04 44 56.5 -0.1
N23A	Red Feather La	20.95 112 P	P	04 44 56.4 -0.1
N23A	Red Feather La	20.95 112 P	P	04 44 56.4 -0.1
PV23	comp-Z,31,SNR=8.0	20.98 122 ePn	Pn	04 44 57.3 +0.4
PV10	Carpenter Ridg	20.98 122 ePn	Pn	04 44 58.1 +0.8
PV14	Paradox Valley	21.02 122 ePn	Pn	04 44 57.8 +0.3
PV22	Lion Creek, Pa	21.03 122 ePn	Pn	04 44 57.8 +0.3
PV22	Blue Mesa, Par	21.03 121 ePn	Pn	04 44 57.8 +0.3
MDND	comp-Z,17nm,0.9s	21.05 89 ePn	Pn	04 44 57.9 +0.6
MDND	Maddock	21.05 89 P	P	04 44 56.6 -0.8
MDND	Maddock	21.05 89 P	P	04 44 56.6 -0.8
PV20	West Nyswonger	21.08 122 ePn	Pn	04 44 58.4 +0.5
PV19	Morning Glory	21.10 122 ePn	Pn	04 44 58.3 +0.1
CIS	Los Pinos Moun	21.10 147 P	P	04 44 59.1 +1.1
PV16	Catalina Islan	21.10 147 P	P	04 44 59.1 +1.1
PV16	Nyswonger Mesa	21.13 122 ePn	Pn	04 44 58.7 +0.2
PV17	comp-Z,45nm,1.0s	21.13 122 ePn	Pn	04 44 58.8 +0.2
PV17	East Wray Mesa	21.13 122 ePn	Pn	04 44 59.1 +0.3
PV11	comp-Z,51nm,1.1s	21.16 122 ePn	Pn	04 44 59.1 +0.3
PV18	comp-Z,23nm,0.8s	21.18 122 ePn	Pn	04 44 59.3 +0.2
PV12	Skein Mesa, Pa	21.18 122 ePn	Pn	04 44 59.3 +0.2
PV03	comp-Z,37nm,1.1s	21.21 122 ePn	Pn	04 44 59.5 +0.1
PV05	Saucer Basin, C	21.21 123 ePn	Pn	04 44 59.7 +0.3
ANM	Paradox Valley	21.23 319 ePn	Pn	04 45 05.7 +6.6
PV13	Nome	21.23 319 ePn	Pn	04 45 00.2 -0.1
PV02	comp-Z,133nm,1.2s	21.30 122 ePn	Pn	04 45 00.5 +0.1
PV02	Radium Mtn., C	21.30 122 ePn	Pn	04 45 00.5 +0.1
PV02	Paradox Valley	21.30 122 ePn	Pn	04 45 00.5 +0.1
NEE2	comp-Z,23nm,0.9s	21.30 138 P	P	04 45 00.9 +0.8
NEE2	Neeses Airpor	21.30 138 P	P	04 45 00.9 +0.8
W13A	baz=330	21.33 136 ePn	Pn	04 45 00.7 0.0
MURC	Hualapai Moun	21.34 145 P	P	04 45 01.6 +1.0
BELC	Murieta	21.34 142 P	P	04 45 01.3 -0.3
PV01	Belle Mtn. Jos	21.45 122 ePn	Pn	04 45 01.7 -0.2
SC12	Paradox Valley	21.45 148 ePn	Pn	04 45 01.6 -0.1
SMCO	San Clemente I	21.54 117 ePn	Pn	04 45 03.5 +0.3
PFO	Snowmass	21.54 117 ePn	Pn	04 45 03.5 +0.3
PFO	comp-Z,58nm,1.1s	21.60 143 ePn	Pn	04 45 02.6 -0.8
PFO	Pinyon Flats O	21.60 143 ePn	Pn	04 45 02.6 -0.8
PFO	Pinyon Flats O	21.60 143 ePmax	Pmax	
PFO	Pinyon Flats O	21.60 143 ePmax	Pmax	
PFO	comp-Z,18nm,1.1s	21.60 143 P	P	04 45 02.7 -0.8
PFO	Pinyon Flat O	21.60 143 P	P	04 45 02.7 -0.8
XPFO	baz=304,SNR=12	21.60 143 P	P	04 45 03.1 -0.3
IRM	Piezon Flat	21.60 143 P	P	04 45 03.3 -0.1
FRD	Iron Mountain	21.62 140 P	P	04 45 03.5 -0.1
RDGQ	Ford Ranch, An	21.65 144 P	P	04 45 03.4 -0.5
RDGQ	Red Dog Mine	21.84 329 ePn	Pn	04 45 07.7 +2.0
ISCO	comp-Z,123nm,1.2s	21.87 114 ePn	Pn	04 45 06.5 0.0
ISCO	Idaho Springs	21.87 114 ePn	Pn	04 45 06.5 0.0
ISCO	Idaho Springs	21.87 114 P	Pn	04 45 05.9 -0.6
PDMO	Idaho Springs	21.87 114 P	Pn	04 45 05.9 -0.6
BCM3	comp-Z,31	21.90 138 P	P	04 45 06.4 -0.2
PD30	Parker Dam,Lak	21.94 141 P	Pn	04 45 06.7 -0.5
109C	Big Chuckawall	22.02 145 P	Pn	04 45 07.5 -0.3
CPE	Camp Elliot, M	22.02 145 P		

SJA 30 05:22:16.7±0.7, 23.003°S:69.72W, h71km, 3km, ML4.6, MW4.2
 NEIC 30 05:22:17.0±0.7, 23.045°S:69.70W, h69km, mb4.2/16, ML4.8(GUC), After GUC.
 NEIC Felt [IV] at Calama, Oficina Maria Elena and Sierra Gorda and [III] at San Pedro de Atacama and Tocopilla. Also felt at Antofagasta.
 GUC 30 05:22:17.2±0.5, 22.995°S:69.70W, h69km, 2km, ML4.8
 IDC 30 05:22:17.5±0.7, 23.045°S:69.61W, h79km, 4km, mb3.8/9, mb1.4/0.13, mb1mx3.0/32, mbtmp4.2/13, MSJ4.1, Ms1.3/4.1, ms1mx3.0/32, Error ellipse: s-maj=21.7km s-min=15.0km az=36.0

ISC 30 05:22:17.2±0.4, 23.005°S:69.72W±0.04, h74km, 3km, h75km±pp-P, n136, e159/166, mb4.2/17, 7C-4D, Northern Chile

Code	Station Name	Δ° AZZ	Phase ID	Time Res	ISC
				h m s	ISC
PB15	IPOC Station P	0.28 125	eP	05 22 29.2 +0.2	
PB15	IPOC Station P	0.28 125	iP	05 22 28.7 -0.3	
PB15	IPOC Station P	0.28 125	sP	05 22 27.4 -0.3	
PB15	IPOC Station P	0.28 125	Op	05 22 38.7	
PB06	IPOC Station P	0.37 22	eP	05 22 29.1 -0.6	
PB06	IPOC Station P	0.37 22	sP	05 22 28.0 -0.6	
PB06	IPOC Station P	0.37 22	iP	05 22 28.9 -0.7	
PB06	IPOC Station P	0.37 22	Op	05 22 37.5 -1.1	
PB06	IPOC Station P	0.37 22	Op	05 22 39.4	
PB05	IPOC Station P	0.49 294	eP	05 22 30.6 +0.1	
PB05	IPOC Station P	0.49 294	sP	05 22 30.0 0.0	
PB05	IPOC Station P	0.49 294	iP	05 22 30.5 +0.1	
PB05	IPOC Station P	0.49 294	Op	05 22 40.0 -0.3	
PB05	IPOC Station P	0.49 294	Op	05 22 41.0	
PB04	IPOC Station P	0.82 331	ePn	05 22 33.2 -0.8	
PB04	IPOC Station P	0.82 331	eSn	05 22 45.8 -0.6	
PB04	IPOC Station P	0.82 331	ePn	05 22 33.6 -0.4	
PB04	IPOC Station P	0.82 331	eS	05 22 45.8 -0.6	
PB04	IPOC Station P	0.82 331	iP	05 22 45.8 -0.6	
PB04	IPOC Station P	0.82 331	iS	05 22 45.8 -0.6	
PB04	IPOC Station P	0.82 331	Op	05 22 46.2	
LVC	Limon Verde	0.86 60	ePn	05 22 34.9 +0.1	
LVC	Limon Verde	0.86 60	eSn	05 22 48.0 +0.3	
LVC	Limon Verde	0.86 60	eS	05 22 44.0 +0.1	
LVC	Limon Verde	0.86 60	iP	05 22 48.2 +0.5	
LVC	Limon Verde	0.86 60	iS	05 22 34.8 +0.1	
LVC	Limon Verde	0.86 60	Op	05 22 47.4 -0.3	
PB10	IPOC Station P	0.90 239	eP	05 22 35.4 +0.6	
PB10	IPOC Station P	0.90 239	eS	05 22 34.9 +0.6	
PB10	IPOC Station P	0.90 239	eP	05 22 35.4 +0.6	
PB10	IPOC Station P	0.90 239	iP	05 22 49.0 +1.2	
PB10	IPOC Station P	0.90 239	iS	05 22 35.2 +0.6	
PB10	IPOC Station P	0.90 239	Op	05 22 48.9 +1.2	
PB03	IPOC Station P	1.00 358	eP	05 22 35.7 -0.4	
PB03	IPOC Station P	1.00 358	eS	05 22 34.9 -1.1	
PB03	IPOC Station P	1.00 358	iP	05 22 35.6 -0.5	
PB03	IPOC Station P	1.00 358	iS	05 22 49.2 -1.0	
PB03	IPOC Station P	1.00 358	Op	05 22 50.2	
PB07	IPOC Station P	1.32 353	eP	05 22 39.9 -0.4	
PB07	IPOC Station P	1.32 353	eS	05 22 56.5 -1.1	
PB07	IPOC Station P	1.32 353	iP	05 22 39.7 -0.5	
PB07	IPOC Station P	1.32 353	iS	05 22 56.3 -1.2	
PB07	IPOC Station P	1.32 353	Op	05 22 59.3	
PB14	IPOC Station P	1.69 202	eP	05 22 45.5 +0.4	
PB14	IPOC Station P	1.69 202	eS	05 23 06.2 -0.1	
PB14	IPOC Station P	1.69 202	iP	05 22 45.6 +0.4	
PB14	IPOC Station P	1.69 202	iS	05 23 07.2 +0.9	
PB14	IPOC Station P	1.69 202	Op	05 23 11.9	
PB02	IPOC Station P	1.73 354	eP	05 22 45.1 -0.4	
PB02	IPOC Station P	1.73 354	eS	05 23 07.5 +0.6	
PB02	IPOC Station P	1.73 354	iP	05 22 45.0 -0.5	
PB02	IPOC Station P	1.73 354	iS	05 23 05.8 -1.1	
PB02	IPOC Station P	1.73 354	Op	05 23 14.1	
PB01	IPOC Station P	2.01 6	ePn	05 22 49.0 -0.2	
PB01	IPOC Station P	2.01 6	eSn	05 22 14.3 +0.7	
PB01	IPOC Station P	2.01 6	eP	05 22 49.1 -0.1	
PB01	IPOC Station P	2.01 6	iP	05 22 14.9 +1.4	
PB01	IPOC Station P	2.01 6	iS	05 22 49.0 -0.2	
PB01	IPOC Station P	2.01 6	Op	05 23 13.3 -0.2	
PB01	IPOC Station P	2.01 6	Op	05 23 15.7	
PATCX	Punta Patache	2.25 350	eP	05 22 51.2 -1.3	
PATCX	Punta Patache	2.25 350	eS	05 23 22.3 +2.8	
PB11	IPOC Station P	3.27 1	ePn	05 23 04.7 -1.7	
PB11	IPOC Station P	3.27 1	eP	05 23 04.7 -1.7	
PSGAC	Pisagua	3.46 354	eP	05 23 06.3 -2.5	
PSGAC	Pisagua	3.46 354	eS	05 23 59.8 +1.1	
MMNMC	Minye Minye	3.90 2	ePn	05 23 13.4 -1.6	
MMNMC	Minye Minye	3.90 2	eP	05 23 14.1 -1.0	
MMNMC	Minye Minye	3.90 2	eS	05 24 17.2 +1.7	
HJA	Humahuaca	3.97 93	eP	05 23 19.3 +3.2	
HJA	Humahuaca	3.97 93	eS	05 23 41.6 -2.0	
YJA	Yavi	3.98 78	eP	05 23 20.2 +3.9	
YJA	Yavi	3.98 78	eS	05 23 53.3	
SLA	San Lorenzo	4.20 114	eP	05 23 19.9 +0.9	
SLA	San Lorenzo	4.20 114	eS	05 24 34.2 +2.7	
AZAP	Zapla	4.42 106	eP	05 23 24.9 +2.5	
PH12	IPOC Station P	4.45 353	eP	05 23 19.1 +2.7	
GO03	Copiap	4.57 186	ePn	05 23 23.0 -0.7	
FSA	Cafayate	4.55 133	eP	05 23 26.9 +2.8	
PB16	IPOC Station P	4.69 2	eP	05 23 25.4 -0.8	
ALOL	LOMAS DE OLMED	5.32 99	eP	05 23 27.8 +8.1	
ALOL	LOMAS DE OLMED	5.32 99	eS	05 23 45.0 +1.5	
ALOL	LOMAS DE OLMED	5.32 99	eS	05 23 59.1 -3.5	
AHML	Horcito Molle	5.45 134	eP	05 23 38.5 +2.6	
AHML	Horcito Molle	5.45 134	eS	05 24 48.9 +1.2	
VCA	Vinchina	5.83 167	eP	05 23 42.3 +1.1	
VCA	Vinchina	5.83 167	eS	05 23 43.1	
VCA	Vinchina	5.83 167	Op	05 23 43.5	
VCA	Vinchina	5.83 167	Op	05 25 32.4 +4.6	
LCO	Las Campanas	6.00 188	ePn	05 23 41.7 -2.0	
LCO	Las Campanas	6.00 188	eP	05 23 41.7 -2.0	
CYA	Choya	6.43 147	eP	05 23 19.1 +2.7	
CYA	Choya	6.43 147	eS	05 25 28.7 +2.7	
AGUA	GUANDACOL	6.51 171	eP	05 23 51.2 +0.8	
AGUA	GUANDACOL	6.51 171	eS	05 25 05.3 +2.0	
ACL	CERRO LA CRUZ	6.82 159	eP	05 23 55.1 +0.4	
ACL	CERRO LA CRUZ	6.82 159	eS	05 25 09.6 -1.4	
LPAZ	La Paz	6.89 13	eP	05 23 57.1 +0.9	
LPAZ	La Paz	6.89 13	eS	05 23 57.2 +0.9	
LPAZ	La Paz	6.89 13	eP	05 25 34.7 +2.1	
AROD	Rodeo	7.09 178	eP	05 23 59.0 +0.3	
AROD	Rodeo	7.09 178	eS	05 24 19.7 +2.0	
ACCO	Cerro Coronel	7.53 176	eP	05 24 05.0 +0.3	
ACCO	Cerro Coronel	7.53 176	eS	05 25 28.4 -0.3	
APLL	PUNTA DE LOS L	7.85 159	eP	05 24 07.9 -0.9	
AMOG	MOGNA	7.93 172	eP	05 24 09.0 -0.9	
AMOG	MOGNA	7.93 172	eS	05 25 32.4 +1.8	
RTLL	Cerro Villicun	8.32 173	eP	05 24 13.8	
RTLL	Cerro Villicun	8.32 173	eS	05 24 14.7	
RTLL	Cerro Villicun	8.32 173	Op	05 25 41.4 -6.2	
RTLL	Cerro Villicun	8.32 173	Op	05 25 19.7 -1.2	
RTLL	Cerro Villicun	8.32 173	Op	05 27 03.9	
RTVC	Cerro Valdivia	8.84 173	eP	05 24 20.8 -1.5	
AUSP	Uspallata	9.14 178	eP	05 24 25.1 -1.6	
TCA	Tanti	9.43 152	eP	05 24 29.2 +1.1	
TCA	Tanti	9.43 152	eS	05 24 30.3	
ACAN	Cantantel	9.46 167	eP	05 24 29.2 -1.5	
ASAL	Salagasta	9.54 175	eP	05 24 30.6 -1.2	
ARCO	CERRO ARCO	9.78 176	eP	05 24 33.1 -1.7	
ROC1	Ei Roble	9.96 186	ePn	05 24 32.0 -5.7	
ROC1	Ei Roble	9.96 186	eP	05 24 33.7 +1.6	
ROC1	Ei Roble	9.96 186	eS	05 27 03.4 +3.6	
AAGR	Agrelo	10.03 176	eP	05 24 37.8 -0.7	
AAGR	Agrelo	10.03 176	eS	05 27 37.9	
PEL	Peidhue	10.09 185	ePn	05 24 35.8 -3.6	

Code	Station Name	Δ° AZZ	Phase ID	Time Res	ISC
				h m s	ISC
SUCO	Villa Florida	11.11 159	eP	05 24 50.7 -2.5	
CPUP	Villa Florida	11.11 159	P	05 25 01.3 -0.3	
CPUP	Villa Florida	11.11 159	LR	05 29 07.4	
CPUP	Villa Florida	11.11 159	LR	05 29 07.1	
GO05	Hualae0	12.07 189	ePn	05 25 00.4 -5.9	
NNA	Nana	12.93 327	eP	05 25 19.3 +1.3	
NNA	Nana	12.93 327	P	05 27 38.1 -2.0	
NNA	Nana	12.93 327	ePn	05 25 17.7 -0.3	
NNA	Nana	12.93 327	eS	05 25 19.3 +1.3	
NNA	Nana	12.93 327	Op	05 25 46.1 -3.6	
SAML	Samuel	15.36 25	ePn	05 25 38.1 -2.0	
SAML	Samuel	15.36 25	eS	05 25 46.1 -3.6	
TROA	Tornquist	16.36 158	ePn	05 26 01.1 -1.2	
GO06	Carrehue	16.55 185	ePn	05 26 03.6 -1.1	
PLCA	Paso Flores	17.65 182	P	05 26 17.1 -1.1	
PLCA	Paso Flores	17.65 182	P	05 26 18.1 0.0	
GO07	Milladeo Hill	20.28 188	eP	05 26 48.5 -0.9	
SPB	Sao Paulo	20.47 96	eP	05 26 48.3 -0.8	
BDFB	Brasilia	21.75 74	P	05 27 02.2 -0.7	
BDFB	Brasilia	21.75 74	P	05 27 02.2 -0.7	
PTGA	Pitinga	24.12 24	P	05 27 26.1 -0.2	
PTGA	Pitinga	24.12 24	eP	05 27 25.8 -0.5	
FLC	Florencia	25.16 346	eP	05 27 52.8 -0.2	
GOUP	Volcan Galeras	25.28 342	eP	05 27 54.4 0.0	
SOTA	Rioblanco	25.92 344	eP	05 28 04.6 +4.1	
PCON	Cinco Dias	26.05 345	eP	05 28 02.6 +0.8	
PRAC	Prado	27.07 349	eP	05 28 10.1 -0.3	
HORO	Saladito	27.22 345	eP	05 28 13.9 +1.8	
WOTO	Wotoco, Valle	27.64 346	eP	05 28 14.0 -3.9	
CHIC	Chingaz	27.79 351	eP	05 27 52.7 -0.5	
RUSC	La Rusia	28.95 353	eP	05 28 26.3 -1.5	
HEL	Santa Helena	29.61 348	eP	05 28 32.3 -1.2	
VNA3	Neumayer Olymp	58.86 161	P	05 32 08.9 +1.1	
VNA1	Neumayer-Stat	59.59 160	P	05 32 11.0 +1.6	
VNA2	Neumayer-Watz	59.45 160	P	05 32 13.0 +1.1	
SNA4	Sanaa	61.07 161	P	05 32 23.9 +0.8	
SNA4	Sanaa	61.07 161	P	05 32 24.0 +1.0	
LTX	Lajitas	61.48 326	eP	05 32 25.9 -0.4	
LTX	Lajitas	61.48 326	eP	05 32 46.1 +0.5</	

ISC 30 06:06:27.6:2.2, 30.34S:-75.75E, h0km, mb3.8/5, mb1 4.1/5, mb1mx3.6/49, mbtmp3.8/5, MS3.5/3, Ms1 3.6/3, ms1mx3.2/38, Error ellipse: s-maj=61.1km s-min=30.0km az=112.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include H08S2 Diego Garcia H, H08S1 Diego Garcia H, H08S3 Diego Garcia H, LEM Lembang, PSI Prapat, ASAR Alice Springs, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, WRA Warramunga Arr, Vnda Vanda, QSPA South Pole Qui.

ISC 30 06:16:36.9:452.0, 44.79N:140.09E, h0km, Error ellipse: s-maj=151.9km s-min=110.6km az=81.0, Eastern Sea of Japan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include I45RU USSURIYSK INFR, I30JP ISUMI INFRASOUN, I44RU PETROPAVLOVSKA 48.

ISCJB 30 06:22:53.9:0.3, 24.79N:0.02:122.04E:0.02, h3km, 3km, Error ellipse: s-maj=2.8km s-min=2.6km az=19.6 TAP 30 06:22:53.8:0.2, 24.78N:122.00E, h10km, ML3.5, B JMA 30 06:22:53.6:0.2, 24.80N:121.89E, h52km, 5km, M3.0 ISC 30 06:22:53.6:0.9, 24.77N:0.02:122.05E:0.02, h10km, 7km, n79, c0563/108, 1C-1D, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include NTC Toucheng, E0S1 E0S1, TWB1 Santiao Chiao, TWB1 Suao, ILA Ilan, TIPB Shuangxi, TIPB Suo, NWF Wu-fen Shan, NWF WFBW, WFSB Nanau, ENA Enta, ENT1 Entou, ENT2 Entou, TWA Mueha, TWA Mueha, NWP1 Taipei, NWP2 Taipei, YM07 YM07, YM11 YM11, YM10 YM10, YM05 YM05, YM08 YM08, YM04 YM04, YHNB Yeheng, YHNB Sanguang, NSK Sanguang, NSK Sanguang, TWY Chenhua, TWS1 Kuangyinsinshan, NNTS Damsui, NNTS Datong, NNSB NNSB, NNS Nan Shan, NNS Ninganchiao, WLTB Davi, TWD Chiawan, TWD National Centr, NCU Zhongli, NCU Zhongli, PCYT Pengchaiyu, YJNG Yonagunijimaku, YJNG Yonaguni jima, YOJ Yonaguni jima.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include YOJ Emei, LIOB Hehuan Shan, WHF Hehuan Shan, WHF Hehuan Shan, ENLB Shoufeng, TDCB Techi, NSTT Nanjuang, NSTT Nanjuang, SBBC Hsinchu, CHGB Renai, ESL Shilin, NMLH Miaoili, NMLH Miaoili, NSY Sanyi, EGFH Guangfu, TWQ1 Liyutan, PWS Yuanti, SMLT Sun Moon Lake, SSLB Suanglung, EHY Hungye, WJS Zhushan, YULB Yu-li, TW1F Yuli, IRIF Riomote-Funau, YUS Yu-Shan, ALS Alishan, FULB Fulli, CHN5 Tsaling, HATJ Hateruma jima, HATJ Hateruma jima, ELDTW Lidau, JKRS Kuro-shima, JKRS Kuro-shima, CHN4 Tsauhsan, JIJ Ishigaki jima, TPUB Ta-pu, STYT Tuayuan, WTP Ta-pu, TWK Hsinying, CHN1 Nanshi, SGST Jiashian, SLGT Liugu, MATB Ma-tsu, MASBT Mashibuluo, PTMZ Hotiangcun, LYJJ Jianjiangzhen, XPSS Dashiqiu, MHZO Yeshan, AXDP Jialang.

DDA 30 06:29:24.8, 39.55N:30.43E, h7km, ML2.6 ISCJB 30 06:29:25.0:0.6, 39.54N:0.03:30.41E:0.04, h1km, 6km, Error ellipse: s-maj=5.3km s-min=4.2km az=157.2 ISK 30 06:29:25.0:0.3, 39.54N:0.03:30.43E, h5km, ML2.4/9 ISC 30 06:29:25.2:1.2, 39.55N:0.03:30.42E:0.03, h7km, 12km, n20, c0939/26, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include BORA Eskisehir, ESKT Eskisehir, ESKT Eskisehir, TVSB Tavsanli, CAVI Cavusko, CAVI Cavusko, GDZ Gediz, GULT Gulveren, BOLV Bolvadin, SOLV Solvadin, GEVY SAKARYA_Geyve, GEVY SAKARYA_Geyve, MDUB Mudurnu, YLV Yalova, YLV Yalova, KZIL AFYON Kizioran, KIZT Kizical, SAHE Sakarya_HENDEK, KHAL Karahall, HRT Herake, DURS Dursunbey, ARMT Armutlu, SBT5 Esenkoy-Cinarc, SILT Sile, KCTX Karacabey (Bur).

ISC 30 06:41:06.8:2.1, 17.85S:178.44W, h462km, 27km, mb3.4/6, mb1 3.7/8, mb1mx3.3/36, mbtmp4.3/8, Error ellipse: s-maj=77.0km s-min=13.6km az=151.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include AFI Afiamalu, AFI Afiamalu, DZM Mont Dzumac, STKA Stephens Creek, WTK Warramunga Arr, ASAR Alice Springs, NVAR Mina Array Bea, ILAR Eielson Array, TXAR Lajitas Array, GERES GERRS Array B.

ISC 30 06:41:39.7:4.2, 20.03N:104.65W, h0km, mb3.2/3, mb1 3.7/4, mb1mx3.5/43, mbtmp3.2/4, ML3.8/1, MS3.7/1, Ms1 3.7/1, ms1mx2.8/16, Error ellipse: s-maj=165.6km s-min=82.8km az=129.0 ISCJB 30 06:41:52.4:1.4, 20.03N:104.65W:0.2, h33km, mb3.3/2,

MS3.5/1, Error ellipse: s-maj=34.2km s-min=7.9km az=138.5 MEX 30 06:41:53.4:1.1, 20.83N:106.43W, h10km, MD3.9 ISC 30 06:41:54.4:1.6, 20.9N:101.106:3W:0.2, h35km, n9, c167/10, Off coast of Jalisco

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include CJM Chameia, R15V R15V, EZSV EZSV, MIMC Lajitas Array, NVAR Mina Array Bea, PDAR Piedata Array, NEW Newport, ILAR Eielson Array.

ISCJB 30 06:53:35.7:2.0, 52.36N:0.07:132.9W:0.4, h10km, mb3.9/3, MS3.9/2, Error ellipse: s-maj=34.1km s-min=9.5km az=171.6 ISC 30 06:53:38.9:4.3, 52.50N:132.98W, h34km, 33km, mb3.9/3, mb1 4.1/7, mb1mx3.5/59, mbtmp3.9/7, ML3.8/4, MS4.0/2, Ms1 4.0/2, ms1mx2.9/58, Error ellipse: s-maj=49.4km s-min=26.1km az=55.0 ISC 30 06:53:36.4:1.9, 52.50N:132.9W:0.3, h10km, n13, c123/9, mb4.0/3, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include H02S1 DAWSON INLET T, H02S1 VAN INLET T-PH, H02N1 Bella Bella, YBH Yreka Blue Hor, NVAR Mina Array Bea, PDAR Piedata Array, ANMO Albuquerque, ANMO Lajitas Array, TXAR Lajitas Array, H1N2 WAKE ISLAND Hy, H1N3 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, AFI Afiamalu, LPAZ La Paz.

ISC 30 06:58:11.6:2.3, 8.43S:68.18E, h0km, mb3.6/2, mb1 3.9/2, mb1mx3.3/69, mbtmp3.6/2, Error ellipse: s-maj=88.9km s-min=50.7km az=19.0, Chagos Archipelago region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include H08N3 Diego Garcia H, H08N2 Diego Garcia H, H08N1 Diego Garcia H, H08S3 Diego Garcia H, H08W3 Cape Leeuwin H, H01W2 Cape Leeuwin H, H01W1 Cape Leeuwin H, ASAR Alice Springs, WRA Warramunga Arr, NVAR Mina Array Bea.

ISC 30 06:59:51.1:1.7, 1.65N:67.20E, h0km, mb4.0/6, mb1 4.2/6, mb1mx3.6/64, mbtmp4.0/6, MS3.6/2, Ms1 3.6/2, ms1mx2.9/53, Error ellipse: s-maj=77.5km s-min=21.2km az=50.0, Carlsberg Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include H08N2 Diego Garcia H, H08N1 Diego Garcia H, H08N1 Diego Garcia H, PALK Pallete, KBZ Khabaz, BRTR Bratr, AKTO Aktyubinsk, ZALV Zalesovo Beam, H01W3 Cape Leeuwin H, H01W2 Cape Leeuwin H, H01W1 Cape Leeuwin H, WRA Warramunga Arr, ASAR Alice Springs, JHJ Hachiojima 2, TXAR Lajitas Array.

BUI 30 07:12:25.8:4.51S:152.47E, h159km, mb5.1/67, mb5.2/44 ISCJB 30 07:12:28.0:0.1, 4.58S:0.02:151.84E:0.02, h153km, mb5.0/194, Error ellipse: s-maj=3.5km s-min=2.7km az=160.9

ISC 30 07:12:30.8:1.8, 4.55S:151.93E, h168km, 15km, mb4.7/36, mb1 4.8/38, mb1mx4.6/58, mbtmp5.2/38, MS3.9/10, Ms1 3.9/10, ms1mx3.4/58, Error ellipse: s-maj=12.4km s-min=9.3km az=84.0 MOS 30 07:12:30.5:1.1, 4.51S:151.77E, h174km, mb5.2/47, Error ellipse: s-maj=9.2km s-min=6.2km az=102.1 NEIC 30 07:12:31.0:0.5, 4.56S:151.87E, h168km, 4km, mb5.1/134, Error ellipse: s-maj=3.5km s-min=3.2km az=111.0 GCMT 30 07:12:32.0:0.2, 4.60S:0.01:152.00E:0.01, h162km, 1km, MW5.3/125, Moment Tensor Solution. s84,c116; s125,c211; Duration: 1s1 Moment tensor: Scale 10^17 Nm; Mn:0.65c:0.2; Mw:0.18c:0.3; Mo:0.47c:0.3; Mm:0.60c:0.2; Mv:0.13c:0.3; Mh:0.65c:0.2; Best double couple: Mb1.1910x10^17; NP2:1.875x10^17; NP3:3.0000x10^17; NP4:0.0000; NP5:1.970000; NP6:1.750000; NP7:1.400000; Principal axes: T:1.2650, P:1.6500, N:1.2650; Azm:309.0000; N:-0.1470, P:142.0000, Azm:212.0000; P:-1.1180, P:130.0000; Azm:120.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-tensor function DJA 30 07:12:35.4:1.6, 5.7S:175.2E:1.1, h215km, 10km, M5.3/56, mb5.2/56, mb5.7/30, Mw(mb)5.3/30

30d 7h

Table with columns for call sign, name, frequency, mode, and other details. Includes stations like KDU Kakadu, GUMO Guam, MTN Manton Dam, etc.

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Table with columns for call sign, name, frequency, mode, and other details. Includes stations like CIS Catalina Island, HOPS Hoiland Field, GDXM Gay Meadows, etc.

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Table with columns for call sign, name, frequency, mode, and other details. Includes stations like GLA Glamis, L04D Klamath Falls, M04C Macdoel, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Cedar Bluff, HKT, ULN, DGMT, YKA, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like CLL, DPC, KRLC, BRG, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like SBA, RPZ, QSPA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include CNGN Cerro Negro, COPN Copaltepe, MOMM Motomombo, etc.

IDC 30 08:16:18.9:643.0,51.44N:133.40E,h0km, Error ellipse: s-maj=236.7km s-min=142.4km az=178.0, Southeastern Siberia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include 144RU USSURIYSK INFR, 144RU PETROPALOVSK4.96, 130JP ISUMI INFRASON, etc.

IDC 30 08:22:52.4:6.1,50.18N:130.08E,h0km, Error ellipse: s-maj=105.2km s-min=39.8km az=39.0, Southeastern Siberia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include KLR Kul'dur, KLR PETROPALOVSK4.96, 144RU USSURIYSK INFR, etc.

NEIC 30 08:44:21.0:0.8,2.76N:128.66E,h226km,7km, mb4.5/32, Error ellipse: s-maj=9.0km s-min=4.6km az=61.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include TNTI Ternate, TNTI SANGIHE, DAV Davao City (W), etc.

IDC 30 08:44:23.5:0.4,2.69N:128.48E,h0km, Error ellipse: s-maj=28.3km s-min=10.2km az=71.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MTN Manton Dam, SBUM Sibutu, JAGI Jagaj, Banyuwu, etc.

IDC 30 08:46:57.5:1.2,36.77N:141.14E,h0km, mb3.8/4, mb1.3/9.5, mb1mx3.6/4.5, mbtrp3.7/5, ML2.8/1, Error ellipse: s-maj=32.8km s-min=25.8km az=105.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include WRA Warramunga Arr, WB2 Warramunga Arr, AS31 Alice Springs, etc.

IDC 30 08:46:58.3:1.2,36.86N:141.14E,h0km, mb3.9/4, Error ellipse: s-maj=10.7km s-min=6.0km az=10.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include ONAJ Iwakimizuishiy, ONAJ KAWAUCHI, JFK Fukushimafurud, etc.

JMA 30 08:46:59.0:1.1,36.86N:141.14E,h31km,1km, M3.6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MAT Matsushiro, MAT MATSUHISHI, H1N2 WAKE ISLAND Hy, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include KKN Kakani, SONM Songoing Array, SONA Songoing Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MKAR Makanchi Array, MKAR Makanchi Array, LBZ Lake Benmore, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include RPZ Ozford, KHZ Kahutara, BKZ Black Stump Fm, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include ZALV Zalesovo Beam, SMY Shemya, KBL Kabul, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include KURB Kurchatov Arr, KURK Kurchatov, TIXI Tiksi, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include BVAR Borovoye Array, ABKAR Akbulak array, VANDA Vanda, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include AGP Aguadilla, NIED 30 08:46:00.36:9.0N:141.40E,h5km,Mw3.6, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include HONSHU, ONAJ Iwakimizuishiy, ONAJ KAWAUCHI, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include JFFD Fukushimafurud, JHO Hitachi, JHO Hitachinakayam, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include JHYU Hitachinakayam, JHYU Hitachinakayam, JMT Matsumoto, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include JMM Matsumoto, JFY Yanaizu, JFY Yanaizu, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include JIO Ouri, MJAR Matsushiro Arr, MAT MATSUHISHI, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include H1N1 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, H1S1 WAKE ISLAND Hy, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include H1S2 WAKE ISLAND Hy, KURB Kurchatov Arr, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, etc.

ISCJB 30 09:03:29.5:1.0,37.57N:0.05:72.0E:0.1,h200km, Error ellipse: s-maj=16.8km s-min=5.7km az=166.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include CMIG Matias Romero, CMIG Vista Hermosa, VHO Huatulco, etc.

ISCJB 30 09:21:19.2:0.5,23.03S:0.03:68.84W:0.06,h99km,5km, mb3.4/2, Error ellipse: s-maj=9.2km s-min=5.6km az=0.2

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include LVC Limon Verde, LVC Limon Verde, PB15 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include PB15 IPOC Station P, PB15 IPOC Station P, PB15 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include PB07 IPOC Station P, PB07 IPOC Station P, PB07 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include PB10 IPOC Station P, PB10 IPOC Station P, PB10 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include PB02 IPOC Station P, PB02 IPOC Station P, PB02 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include VCA Vinchina, LPAZ La Paz, LPAZ La Paz, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include TCA Tanti, CPUP Villa Florida, PLCA Paso Flores, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include PTGA Pitinga, NVAR Mina Array Bea, TORD Torodi Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MAW Mawson, ASAR Alice Springs, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include ZALV Zalesovo Beam, MKAR Makanchi Array, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include KIZT Kizical, KIZT Kizical, KDHN Kadinhani, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include BOLV Bolvada, LADK Ladik-KONYA, BAGO Egirdir - ISPA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include HNR Honiara, DZM Mont Dzumac, DZM Mont Dzumac, etc.

MEX 30 09:19:28.2:0.8,17.32N:95.07W,h142km,10km,MD3.8,

30d 10h

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like DZM, EIDS, ARMA, BKZ, BFZ, THZ, STKA, etc.

IDC 30 09:55:04.2, 4.5, 52.29N, 132.60W, h0km, mb3.1/1, mb1 3.7/3, mb1mx3.3/4.5, mbtmp3.2/3, ML4.2/1, Error ellipse: s-maj=98.2km s-min=10.5km az=79.0, Queen

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like H02S1, H02N1, H02N1, etc.

NIED 30 10:10:00.36, 20N, 141.40E, h5km, Mw4.1 Best double couple: M1.810000, 1015 N1.2060000, 844.00000, 1-119.00000, NP2.664.00000, 853.00000, 1-65.00000

IDC 30 10:10:40.7, 0.8, 36.10N, 141.14E, h0km, mb4.0/9, mb1 4.3/10, mb1mx4.0/4.7, mbtmp4.0/10, ML3.6/2, MS3.3/11, Ms1 3.3/11, ms1mx3.0/4.1, Error ellipse: s-maj=24.9km s-min=18.3km az=116.0

JMA 30 10:10:42.0, 4.0, 1.36, 13N, 141.26E, h41km, 2km, M3.8 JMA Felt J1

NEIC 30 10:10:46.3, 0.2, 36.12N, 141.11E, h35km, mb4.5/30, Error ellipse: s-maj=7.1km s-min=4.6km az=142.0

NEIC Recorded [1 JMA] in Ibaraki

ISC 30 10:10:42.5, 1.6, 36.19N, 141.22E, 0.05, h8km, 10km, n83, r104/79, mb4.5/39, Near east coast of eastern Honshu

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

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Main table with columns: JOW, Kunigami, 14.44 233 LR, 10 19 50.9, etc. Includes stations like PETK, PEAY, SEY, SOMN, H1S1, etc.

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Table with columns: TRG, Tyrgan, 1.17 241 eP, 10 12 15.0 -1.9, etc. Includes stations like TRG, TYR, SYVR, etc.

Table with columns: Station, Name, Time, Frequency, Mode, Power, and other technical details. Includes stations like TIAR, TVO, PMOR, VAH, EIDS, ARMA, etc.

Table with columns: Station, Name, Time, Frequency, Mode, Power, and other technical details. Includes stations like SAO, PMPB, PAGB, HOPS, GDXM, etc.

Table with columns: Station, Name, Time, Frequency, Mode, Power, and other technical details. Includes stations like FURC, TUQU, M04C, L04D, Y12C, etc.

30d 10h

E08A	comp=Z,24nm,1.4s	81.60	35	eP	P	11 11 51.5 +0.6
DUG	Dugway, Tooele	81.73	43	eP	P	11 11 51.9 -0.1
DUG	Dugway, Tooele	81.73	43	eP	P	11 11 51.9 -0.1
DUG	comp=Z,6.0nm,1.3s					
DUG	Dugway, Tooele	81.73	43	eP	P	11 11 52.2 +0.2
BGU	Big Grassy Moun	81.98	42	eP	P	11 11 53.5 +0.1
D08A	Wollman Farm,	82.02	35	eP	P	11 11 53.4 +0.2
NLU	North Lily Min	82.09	44	eP	P	11 11 54.0 +0.1
E09A	Wood Farm, Sta	82.11	36	eP	P	11 11 53.3 -0.4
F10A	Beach Ranch E	82.30	36	eP	P	11 11 54.6 -0.2
TMUT	Trail Mountain	82.32	44	eP	P	11 11 55.9 +0.6
MPU	Maple Canyon	82.41	44	eP	P	11 11 56.2 +0.6
SPUT	South Promonto	82.56	42	eP	P	11 11 56.8 +0.4
HLID	Hailey	82.56	39	eP	P	11 11 56.8 +0.4
HLID	Hailey	82.56	39	eP	P	11 11 57.1 +0.8
CN2	Changchun	82.57	321	eP	P	11 11 57.3 +1.2
CN2	comp=Z,10.0nm,1.0s					
B08A	Colville Reser	82.60	34	eP	P	11 11 56.4 +0.2
HVU	Hansel Valley	82.61	42	eP	P	11 11 56.9 +0.3
HVU	Hansel Valley	82.61	42	eP	P	11 11 56.9 +0.3
SRU	San Rafael Swe	82.68	45	eP	P	11 11 57.4 +0.4
SRU	San Rafael Swe	82.68	45	eP	P	11 11 57.4 +0.4
CTU	comp=Z,26nm,1.4s					
CTU	Camp Teton	82.69	43	eP	P	11 11 57.5 +0.4
P17A	Butcher Ranch,	82.72	44	eP	P	11 11 57.6 +0.4
LAZ	Ladron	82.77	50	eP	P	11 11 59.3 +1.7
C09A	Chrisman Ranch	82.82	34	eP	P	11 11 58.0 +0.7
JLU	Jordanelle	82.83	43	eP	P	11 11 58.7 +0.8
MNTX	Cornudas Mount	82.85	53	eP	P	11 11 57.2 -0.6
MNTX	Cornudas Mount	82.85	53	eP	P	11 11 59.2 +1.4
BNM	Barren Site	83.02	51	eP	P	11 12 00.2 +1.2
LPM	Los Pinos Moun	83.09	51	eP	P	11 11 59.9 +0.5
MVCO	Mesa Verde	83.12	47	eP	P	11 11 59.5 0.0
P18A	Preston Nutter	83.13	45	eP	P	11 11 59.9 +0.4
TCUT	Toone Cntry	83.13	43	eP	P	11 11 59.7 +0.3
PV05	Paradox Valley	83.13	46	eP	P	11 11 59.8 +0.3
LTX	Lajitas	83.15	56	eP	P	11 12 00.2 +0.6
LTX	Lajitas	83.15	56	eP	P	11 12 00.2 +0.6
TX31	Lajitas Ar. Si	83.15	56	eP	P	11 12 00.4 +0.8
TXAR	Lajitas ARAY	83.15	56	eP	P	11 12 00.2 +0.6
TXAR	comp=Z,3.5nm,1.1s,baz=216,slow=5.9,SNR=14					11 12 00.2 +0.6
TXAR	comp=Z,5.7nm,2.1s,baz=0,slow=30					11 12 00.2 +0.6
HWUT	Hardware Ranc	83.28	42	eP	P	11 12 00.1 0.0
PV09	Paradox Valley	83.31	46	eP	P	11 12 01.1 +0.6
RGRH	Rengat	83.31	272	eP	P	11 12 02.5 +1.8
PV10	Paradox Valley	83.31	46	eP	P	11 12 01.1 +0.6
PV19	Morning Glory	83.33	46	eP	P	11 12 01.1 +0.7
PV17	East Wray Mesa	83.33	46	eP	P	11 12 01.2 +0.8
PV14	Lion Creek, Pa	83.33	46	eP	P	11 12 00.9 +0.4
PV18	Skein Mesa, Pa	83.34	46	eP	P	11 12 01.4 +0.9
PV20	Nest Wyswonger	83.35	46	eP	P	11 12 01.6 +1.1
PV13	Radium Mtn., P	83.36	46	eP	P	11 12 00.8 +0.1
PV16	Nyswonger Mesa	83.37	46	eP	P	11 12 01.0 +0.3
PV23	Carpenter Ridg	83.38	46	eP	P	11 12 00.5 -0.2
PV03	Paradox Valley	83.39	46	eP	P	11 12 01.2 +0.4
PV11	David Mesa, Pa	83.39	46	eP	P	11 12 01.4 +0.6
PV02	Paradox Valley	83.44	46	eP	P	11 12 01.4 +0.3
PV12	Saucer Basin	83.45	46	eP	P	11 12 01.2 +0.1
PV21	Cone Mtn., Par	83.45	46	eP	P	11 12 01.4 +0.3
ANMO	Albuquerque	83.52	50	eP	P	11 12 02.6 +1.1
ANMO	Albuquerque	83.52	50	eP	P	11 12 01.9 +0.4
ANMO	Albuquerque	83.52	50	eP	P	11 12 01.0 -0.5
ANMO	Albuquerque	83.52	50	eP	P	11 12 02.6 +1.1
PV01	Paradox Valley	83.52	46	eP	P	11 12 01.8 +0.3
PV22	Blue Mesa, Par	83.57	46	eP	P	11 12 01.7 0.0
TRF	Thorofore Moun	83.65	11	eP	P	11 12 01.6 +0.2
NEW	Newport	83.72	35	eP	P	11 12 02.1 +0.1
NEW	Newport	83.72	35	eP	P	11 12 02.1 +0.1
SKAG	Skagway	83.82	19	eP	P	11 12 02.8 +0.6
RND	Reindeer	83.87	11	eP	P	11 12 02.5 0.0
RND	Reindeer	83.87	11	eP	P	11 12 02.5 0.0
RND	Reindeer	83.87	11	eP	P	11 12 02.5 0.0
SDSI	Sungai Dareh	83.99	271	eP	P	11 12 02.1 -2.1
MCK	McKinley	84.15	11	eP	P	11 12 03.5 -0.3
MCK	McKinley	84.15	11	eP	P	11 12 03.5 -0.3
AHID	Auburn Hatcher	84.18	41	eP	P	11 12 04.6 -0.1
MCMT	McKenzie Canyo	84.20	39	eP	P	11 12 05.0 +0.2
TIA	Tai'an	84.21	311	eP	P	11 12 05.8 +1.1
BWN	Browne	84.46	11	eP	P	11 12 05.9 +0.6
S22A	4UR Ranch, Cre	84.55	47	eP	P	11 12 07.1 +0.3
S22A	4UR Ranch, Cre	84.55	47	eP	P	11 12 07.9 +1.1
DLMT	Dillon	84.64	39	eP	P	11 12 07.2 +0.3
REDW	Red Top Meadow	84.64	41	eP	P	11 12 07.1 0.0
TPAW	Teton Pass	84.65	41	eP	P	11 12 07.4 +0.3
MSO	Missoula	84.66	37	eP	P	11 12 06.7 -0.2
FXWY	Fox Creek	84.68	41	eP	P	11 12 07.3 0.0
MAW	Mawson	84.71	199	eP	P	11 12 06.2 -0.5
MAW	Mawson	84.71	199	eP	P	11 12 06.1 -0.6
MAW	Mawson	84.71	199	eP	P	11 12 07.1 +0.3
O20A	White River Ci	84.72	45	eP	P	11 12 08.1 +0.6

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O20A	White River Ci	84.72	45	eP	P	11 12 07.7 +0.2
BKNI	Bangkok	84.75	272	eP	P	11 12 08.9 +0.9
SNOW	Snow King Moun	84.76	41	eP	P	11 12 08.0 +0.3
LNIG	Linares	84.78	62	eP	P	11 12 07.5 -0.3
DLBC	Dease Lake	84.78	22	eP	P	11 12 07.9 +0.7
DLBC	Dease Lake	84.78	22	eP	P	11 12 07.7 +0.5
IMW	Indian Meadow	84.87	41	eP	P	11 12 08.5 +0.3
MOOW	Moose Ponds	84.91	41	eP	P	11 12 08.0 -0.4
PDSI	Padang	84.92	271	eP	P	11 12 10.2 +1.3
LOHW	Long Hollow	84.93	41	eP	P	11 12 08.2 -0.3
RIDG	Independ' Rid	84.97	13	eP	P	11 12 08.5 +0.5
WRH	Wood River Hill	84.98	11	eP	P	11 12 07.3 -0.6
SEY	Seymchan	85.00	346	iP	P	11 12 08.3 +0.2
DOT	Dot Lake	85.05	13	eP	P	11 12 08.2 -0.2
QLMT	Earthquake Lak	85.06	40	eP	P	11 12 09.8 +0.7
FLWY	Flag Ranch	85.11	41	eP	P	11 12 09.9 +0.5
SMCO	Snowmass	85.12	46	eP	P	11 12 09.7 -0.1
HDA	Harding Lake	85.14	12	eP	P	11 12 08.1 -0.6
HDA	Harding Lake	85.14	12	eP	P	11 12 08.2 -0.6
YPP	Pitchstone Pla	85.14	40	eP	P	11 12 10.3 +0.7
YHB	Horse Butte	85.16	40	eP	P	11 12 09.9 +0.3
BW06	Boulder Array	85.16	42	eP	P	11 12 09.2 -0.4
BW06	Boulder Array	85.16	42	eP	P	11 12 08.7 -1.0
PD31	Pinedale Array	85.16	42	eP	P	11 12 09.4 -0.3
PDAR	Pinedale Array	85.16	42	eP	P	11 12 08.9 -0.8
PDAR	comp=Z,1.6nm,0.9s,baz=215,slow=5.6,SNR=10.0					11 12 08.9 -0.8
CCB	Clear Creek Bu	85.19	11	eP	P	11 12 08.4 -0.6
YMR	Mason River	85.25	40	eP	P	11 12 10.3 +0.2
BOZ	Bozeman (W)	85.34	39	eP	P	11 12 10.8 +0.4
BOZ	Bozeman (W)	85.34	39	eP	P	11 12 10.9 +0.4
BOZ	comp=Z,2.4nm,1.5s					11 12 10.8 +0.4
BOZ	Bozeman (W)	85.34	39	eP	P	11 12 10.8 +0.4
BOZ	Bozeman (W)	85.34	39	eP	P	11 12 12.2 +1.5
SCRK	Sand Creek	85.36	13	eP	P	11 12 10.2 +0.2
YHH	Holmes Hill	85.39	40	eP	P	11 12 12.0 +1.2
TCOL	CIGO, UAF Yank	85.39	11	eP	P	11 12 09.7 -0.3
COLA	College	85.39	11	eP	P	11 12 09.6 -0.4
COLA	College	85.39	11	eP	P	11 12 09.6 -0.4
COLA	comp=Z,4.1nm,1.4s					11 12 09.5 -0.6
MDM	Murphy Dome	85.40	11	eP	P	11 12 10.4 0.0
IM3	Indian Mntn	85.47	8	eP	P	11 12 10.4 0.0
IL1	Eielson Array	85.48	12	eP	P	11 12 09.3 -1.2
ILAR	Eielson Array	85.48	12	eP	P	11 12 09.1 -1.4
ILAR	comp=Z,4.4nm,1.1s,baz=213,slow=5.8,SNR=16					11 12 09.1 -1.4
ILB	Eielson Array	85.48	12	eP	P	11 12 10.0 -0.4
SDCO	Great Sand Dun	85.48	48	eP	P	11 12 12.1 +0.6
SDCO	Great Sand Dun	85.48	48	eP	P	11 12 12.1 +0.6
POKR	Poker Plat Res	85.69	11	eP	P	11 12 11.0 -0.5
HRY	Hotter Researc	85.81	38	eP	P	11 12 12.4 -0.2
MSTX	Muleshoe	85.81	52	eP	P	11 12 13.2 +0.2
MSTX	Muleshoe	85.81	52	eP	P	11 12 13.4 +0.5
IPM	Ipon	86.07	276	eP	P	11 12 14.8 +0.2
RWWY	Rawlins	86.15	44	eP	P	11 12 14.8 +0.2
833A	comp=Z,3.4nm,0.9s					11 12 14.9 +0.2
DAWY	Dawson	86.17	59	eP	P	11 12 15.3 -0.2
RLMT	Red Lodge	86.52	40	eP	P	11 12 16.3 -0.1
RLMT	Red Lodge	86.52	40	eP	P	11 12 17.9 +1.6
BJI	Beijing	86.63	314	eP	P	11 12 19.3 +2.6
EGAG	Eagle	86.67	14	eP	P	11 12 16.2 -0.1
JCT	Junction City	86.68	57	eP	P	11 12 16.8 -0.5
JCT	Junction City	86.68	57	eP	P	11 12 16.8 -0.5
BILL	Billbino	87.21	353	iP	P	11 12 18.9 0.0
BILL	Billbino	87.21	353	iP	P	11 12 24.5
BILL	Billbino	87.21	353	iP	P	11 15 41.4
SKNT	Sokolnokr	87.42	289	eP	P	11 12 24.6 +3.5
ENH	Enshi	87.50	303	eP	P	11 12 22.6 +1.3
PSI	Prapat	87.53	274	eP	P	11 12 20.4 -1.5
PSI	Prapat	87.53	274	eP	P	11 12 20.4 -1.5
ABTX	Ablene, Hawle	87.65	55	eP	P	11 12 22.2 +0.3
ABTX	Ablene, Hawle	87.65	55	eP	P	11 12 22.5 +0.6
G006	Curarehue					

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PSZ Piskazeteto, DOU Dourbes, MODS Modra-Piesok, etc.

PGC 30 11:16:15.0-0.2, 52.77N-132.98W, h6km, 28km, 104km Wsw of Sandpit, Bc Haida Gwaii Region

ISCJB 30 11:16:16.0-0.2, 52.77N-132.98W, h0km, 33.4/1, MS3.5/2, Error ellipse: s-maj=34.6km

IDC 30 11:16:17.3-1.9, 52.78N-133.06W, h0km, mb3.4/1, mb1.3/6.5, mb1mx3.4/4.7, mbtms3.3/5, ML3.4/4, MS3.3/4, Ms1.3/4, ms1mx2.7/3.2, Error ellipse: s-maj=25.8km

ISC 30 11:16:18.2-5.2, 52.79N-103.133W, h0.2, h10km, n13, <15597, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H02S1 DAWSON INLET T, H02S1, H02N1 VAN INLET T-PH, etc.

LJU 30 11:18:43.3, 46.40N-15.17E, h0km Artificial

VIE 30 11:18:43.0, 3.4641N-15.17E, h0km, n10/9/3, Error ellipse: s-maj=2.5km s-min=1.8km az=52.0 21 km NNW of Celje Suspected Mining induced., Northwestern Balkan Peninsula

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

IDC 30 11:43:50.4-0.6, 5.00S-103.08E, h0km, mb4.5/0, mb1.4/5.20, mb1mx4.3/4.1, mbtms4.5/20, MS3.4/9, Ms1.3/4/9, ms1mx3.1/3.9, Error ellipse: s-maj=22.4km

BUI 30 11:43:53.7, 5.30S-102.70E, h47km, mb4.8/32, mb4.9/18, Ms4.5/9, Ms7.4/22

MOS 30 11:43:55.4, 1.1, 5.06S-102.96E, h52km, mb4.8/34, Error ellipse: s-maj=9.6km s-min=6.4km az=110.5

ISCJB 30 11:43:57.1-0.5, 5.12S-103.05E, h0.04, h68km, 4km, mb4.6/68, Error ellipse: s-maj=8.8km s-min=3.8km az=135.5

DJA 30 11:43:57.0-0.4, 5.3S-103.3E, h27km, 5km, M4.8/23, mb5.4/6, mb4.7/17, ML3.4/7.23, Mw(mB)4.9/6

NEIC 30 11:43:58.0-0.7, 5.11S-103.02E, h56km, 5km, mb4.7/30, Error ellipse: s-maj=9.4km s-min=3.9km az=46.0

ISC 30 11:43:57.8-0.9, 5.13S-105.1030E, h0.06, h59km, 8km, n312, r1516/319, mb4.7/68, MS3.5/9, 1C-1D, Southern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MNAI1 Manna, MNAI2 Manna, LWLI Liwa, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PDSI Padang, PDI Tanjungpandan, PPSI Padang Panjang, etc.

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

PLMC	comp=N,509nm,0.3s	4.74 239	eP	Pn	12 19 16.8	-0.3
YOTC	San Yoc's del	3.73 229	eP	Pn	12 19 23.5	-1.3
SMRC	Yotoco, Valle	4.45 345	eP	Pn	12 19 26.9	+0.7
SMRC	Santa Marta, M.	4.45 345	eP	Pn	12 20 20.2	
PTAC	comp=N,281nm,0.3s	4.72 274	eP	Pn	12 19 28.9	-1.0
HORQ	Punta Arditia,	4.72 274	eP	Pn	12 19 31.2	-0.9
BCIP	Saladito	7.10 289	ePn	Pn	12 19 59.3	-2.1
OTAV	Isla Barro Col	8.48 220	ePn	Pn	12 20 20.6	+0.3
OTAV	Olavalo	8.48 220	ePn	Pn	12 21 54.2	-0.8
PCRV	Puerto La Cruz	8.96 68	eP	Pn	12 20 27.5	+1.1
PCJ	comp=N,6.0nm,0.3s,baz=274,slow=2.7,SNR=26	11.55 340	iP	Pn	12 21 02.7	+2.3
GWJ	Portland Cotta	11.72 343	iP	Pn	12 21 06.3	+3.5
STH	Greenwich	11.73 342	iP	Pn	12 21 05.2	+2.1
MTDJ	Stony Hill	12.11 303	ePn	Pn	12 21 10.3	+2.3
BBJ	Mount Denham	12.13 339	ePn	Pn	12 23 19.8	-2.5
SDDH	Bambo Saint A	12.18 341	iP	Pn	12 21 12.1	-2.7
JTS	Presa de Saban	12.19 8	ePn	Pn	12 21 10.9	+2.1
JTS	JuntasAbangare	12.25 287	P	Pn	12 21 12.3	+2.7
JTS	comp=N,0.5nm,0.3s,baz=135,slow=9.3,SNR=4.2	12.25 287	P	Pn	12 21 11.9	+2.3
GTBY	JuntasAbangare	12.25 287	ePn	Pn	12 21 25.9	+0.3
MTB	Guantanamo Bay	13.16 351	ePn	Pn	12 21 23.2	-0.7
STVI	Monte Pirata	13.37 33	ePn	Pn	12 21 31.4	+0.7
PTGA	Saint Thomas	13.90 34	ePn	Pn	12 21 31.4	+0.7
PTGA	Piting	15.08 119	ePn	Pn	12 21 43.5	-1.9
SAML	comp=N,2.0nm,0.8s	18.52 148	eP	P	12 22 23.9	-1.0
TEIG	Samuel	18.52 148	eP	P	12 22 40.8	+1.3
GOGA	comp=N,3.4nm,0.8s	19.87 314	eP	P	12 23 58.0	+0.1
GOGA	Tapich	19.87 314	eP	P	12 23 58.0	+0.1
GOGA	Godfrey	19.87 314	eP	P	12 23 59.4	+1.5
Z51A	Franklin	28.64 338	P	P	12 24 04.2	+1.9
Z50A	Ashtland	28.87 337	eP	P	12 24 05.8	+1.4
Z50A	comp=N,8.8nm,0.8s	28.87 337	eP	P	12 24 06.2	+1.9
Z49A	Ashland	28.87 337	eP	P	12 24 07.8	+1.9
Y50A	Columbiana	29.05 336	P	P	12 24 10.6	+1.9
Y49A	Piedmont	29.36 338	P	P	12 24 11.7	+0.9
Y49A	Blount Mountai	29.59 337	eP	P	12 24 12.4	+1.7
Y49A	Blount Mountai	29.59 337	eP	P	12 24 15.1	+2.1
W52A	Murphy	29.84 342	P	P	12 24 15.2	+1.4
Y48A	Jasper	29.84 336	P	P	12 24 16.7	+1.8
V53A	Saluda	30.06 344	eP	P	12 24 17.4	+1.9
X49A	Woodville	30.14 338	P	P	12 24 18.0	+0.5
CPCT	Cooper Cave	30.36 341	eP	P	12 24 18.3	+0.9
X48A	Hartselle	30.36 337	eP	P	12 24 19.0	+1.6
X48A	Hartselle	30.36 337	eP	P	12 24 18.8	+1.0
W50A	Signal Mountai	30.39 340	eP	P	12 24 19.6	+1.8
W50A	Signal Mountai	30.39 340	eP	P	12 24 21.3	+1.5
Y46A	Houston	30.62 334	P	P	12 24 21.0	+1.1
V51A	Loudon	30.63 342	eP	P	12 24 21.8	+2.0
V51A	Loudon	30.63 342	eP	P	12 24 22.4	+1.5
X47A	Russelville	30.74 336	P	P	12 24 22.0	+1.6
W48A	Pulaski	30.92 338	P	P	12 24 25.9	+2.0
TZTN	Tazewell	31.08 344	eP	P	12 24 25.0	+1.0
V49A	McClintville	31.11 340	P	P	12 24 26.7	+1.5
PLAL	Pickwick Lake	31.23 336	eP	P	12 24 27.0	+1.2
W47A	Westpoint	31.27 337	eP	P	12 24 27.7	+1.2
Y44A	Strider, Charl	31.31 332	P	P	12 24 28.0	+1.2
V48A	Smith Brothers	31.41 338	eP	P	12 24 28.5	+1.8
V48A	Smith Brothers	31.41 338	eP	P	12 24 28.4	+1.3
T52A	Halle	31.46 345	P	P	12 24 30.2	+2.0
Y51A	Gray	31.59 343	P	P	12 24 31.1	+1.3
V47A	Nunnely	31.75 337	P	P	12 24 32.8	+1.0
U48A	Cassie Pea, Po	32.00 339	P	P	12 24 34.1	+1.1
WVT	Waverly	32.14 337	eP	P	12 24 34.0	+1.0
WVT	Waverly	32.14 337	eP	P	12 24 34.5	+0.9
T49A	Edmonton	32.20 341	eP	P	12 24 34.9	+1.3
T49A	Edmonton	32.20 341	eP	P	12 24 34.8	+1.1
S50A	Richmond	32.38 343	P	P	12 24 37.2	-0.2
T47A	Sharon Grove	32.63 339	eP	P	12 24 38.3	+1.0
R51A	Hillsboro	32.74 345	P	P	12 24 39.5	+1.3
S49A	Springfield	32.74 342	P	P	12 24 39.7	+1.4
S48A	Wiedeman Farm,	32.87 341	P	P	12 24 40.2	+0.7
R50A	Paris	32.92 344	P	P	12 24 41.2	+1.4
T46A	Princeton	32.96 338	P	P	12 24 41.4	+1.1
X40A	Basin Creek Fa	33.01 329	P	P	12 24 41.2	+0.5
Q52A	Bidwell	33.04 347	P	P	12 24 42.1	+1.2
S47A	Hartford	33.09 340	P	P	12 24 43.2	+1.0
W41B	Gary Mavity, V	33.27 331	eP	P	12 24 43.2	+0.3
W41B	Gary Mavity, V	33.27 331	eP	P	12 24 43.7	+0.8
Q50A	Georgetown	33.35 344	P	P	12 24 45.4	+1.8
Q51A	Peebles	33.36 345	eP	P	12 24 44.9	+1.2
Q51A	Peebles	33.36 345	eP	P	12 24 45.5	+1.8
V42A	Cord	33.37 332	P	P	12 24 44.3	+0.5
WHAR	Woolly Hollow	33.38 331	eP	P	12 24 43.5	-0.4
BDFB	Brasilia	33.38 132	P	P	12 24 44.0	-0.3
U43A	Reactor	33.40 334	P	P	12 24 45.2	+1.2
S46A	Don Dixon Farm	33.47 339	P	P	12 24 45.6	+1.0
WCI	Wyandotte Cave	33.47 341	eP	P	12 24 44.9	+0.3
WCI	Wyandotte Cave	33.47 341	eP	P	12 24 45.6	+1.0
R48A	Northridge Ran	33.49 342	P	P	12 24 46.4	+1.6
R47A	Wooly Knot Far	33.61 341	P	P	12 24 46.5	+0.7
P52A	Corning	33.65 347	P	P	12 24 47.7	+1.5
W40A	Ferguson Farm,	33.69 330	eP	P	12 24 47.0	+0.4
W40A	Ferguson Farm,	33.69 330	eP	P	12 24 47.2	+0.6
W41A	Mountainview	33.71 331	P	P	12 24 47.3	+0.5
U42A	Revenden	33.75 333	P	P	12 24 47.9	+0.8
PBMO	Poplar Bluff	33.75 334	eP	P	12 24 48.0	+0.9
T43A	Greenville	33.95 335	P	P	12 24 49.7	+0.9
V40A	Witts Springs	34.05 331	eP	P	12 24 50.5	+0.7
V40A	Witts Springs	34.05 331	eP	P	12 24 50.3	+0.6
W39A	Magazine	34.05 329	eP	P	12 24 50.3	+0.6
W39A	Magazine	34.05 329	eP	P	12 24 50.6	+0.9
O52A	Adamsville	34.05 348	P	P	12 24 51.4	+1.7
S44A	Carbondale	34.06 337	P	P	12 24 50.6	+0.9
U41A	Viola	34.06 332	P	P	12 24 50.2	+0.5
SIUC	Southern Illin	34.06 337	eP	P	12 24 50.5	+0.8
Q47A	Bedord North	34.16 341	P	P	12 24 51.8	+1.2
R45A	Skylar, Fairfi	34.21 338	P	P	12 24 52.2	+1.2
T42A	Van Buren	34.25 334	eP	P	12 24 51.7	+0.3
T42A	Van Buren	34.25 334	eP	P	12 24 52.3	+0.9
R44A	Waltorville	34.47 337	P	P	12 24 54.0	+0.7
V39A	Pettigrew	34.48 330	P	P	12 24 53.9	+0.4
U40A	Yellowville	34.51 331	P	P	12 24 54.4	+0.7
N54A	Moraine State	34.53 351	P	P	12 24 56.4	+2.6
OLIL	Olney	34.54 333	P	P	12 24 54.7	+0.6
T41A	Mountain View	34.56 339	P	P	12 24 56.2	+0.9
Q45A	Warren Harvey,	34.70 339	P	P	12 24 56.2	+0.9
FVM	French Village	34.78 336	eP	P	12 24 57.0	+1.0
U39A	Green Forest	34.83 330	P	P	12 24 57.5	+1.0
T40A	Mansfield	34.99 332	P	P	12 24 58.3	+0.5
S41A	Jillco Farms,	35.00 334	P	P	12 24 59.6	+1.7
Q44A	Meyer Farm, Va	35.02 338	P	P	12 24 58.3	+0.3
P46A	Rosedale	35.03 341	P	P	12 24 59.0	+1.0
P45A	Graceland, Pa	35.12 340	eP	P	12 24 59.5	+0.7
P45A	Graceland, Pa	35.12 340	eP	P	12 24 59.6	+0.7
CCM	Cathedral Cave	35.18 335	eP	P	12 25 00.1	+0.7
CCM	Cathedral Cave	35.18 335	eP	P	12 25 00.3	+0.9
R42A	Luebbering	35.18 335	P	P	12 25 01.1	+0.6
Q43A	New Douglas	35.31 337	P	P	12 25 02.2	+0.6
R41A	Rosebud	35.44 335	P	P	12 25 03.7	+0.4
ABTX	Ablene, Hawle	35.62 320	P	P	12 25 04.2	+0.6
SFIN	Lafayette	35.68 341	eP	P	12 25 04.6	+1.0
N46A	Monticello	36.04 342	P	P	12 25 07.8	+1.1
N45A	Kentland	36.24 341	P	P	12 25 11.3	+0.5
LTX	Lajitas	36.49 312	eP	PcP	12 25 11.3	+0.5
LTX	Lajitas	36.49 312	eP	PcP	12 25 11.3	+0.5
TX31	Lajitas Ar. Si	36.49 312	eP	P	12 25 11.3	+0.5
TXAR	Lajitas Arroyo	36.49 312	eP	P	12 27 32.6	+1.2
TXAR	comp=N,1.6nm,0.6s,baz=127,slow=5.3,SNR=23	36.49 312	eP	P	12 25 10.2	-0.5
WMOK	Wichita Mounta	36.50 323	eP	P	12 25 10.6	-0.1
WMOK	Wichita Mounta	36.50 323	eP	P	12 25 15.4	+1.2
L46A	Eue Claire	36.94 344	P	P	12 25 26.9	+0.3
AMTX	Amarillo	38.38 321	P	P	12 25 28.9	+1.2
MSTX	Muleshoe	38.51 319	P	P	12 25 31.4	-0.1
JFWS	Jewell Farm	38.99 340	eP	P	12 25 32.0	+0.3
MNTX	Cornudas Mount	39.00 314	eP	P	12 25 32.4	+0.6
MNTX	Cornudas Mount	39.00 314	eP	P	12 25 36.2	-0.3
J40A	Soldiers Grove	39.59 340	P	P	12 25 38.4	-0.4
J39A	Decorar	39.88 339	P	P	12 25 44.3	+0.3
G42A	Motain	40.52 343	eP	P	12 25 50.7	+0.9
121A	Cookes Peak, D	41.17 313	P	P	12 25 51.6	+0.3
G39A	Holcombe	41.40 341	P	P	12 25 52.9	+0.8
LENM	Lemitar	41.46 316	eP	P	12 25 54.4	+0.2
E40A	Waxfield	42.04 343	P	P	12 25 56.9	-0.6
ECSO	EROS Data Cent	42.16 334	P	P	12 25 57.6	+0.2
ECSO	EROS Data Cent	42.16 334	P	P	12 25 58.2	+0.7
E39A	Mellier	42.18 342	P	P	12 25 58.6	+0.6
F38A	Pierce - Schro	42.23 340</				

30d 14h

Table with columns for station name, frequency, power, and coordinates. Includes stations like PETK Petrovskovsk, SUMG Summit, SKR Severo-Kuril's, etc.

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Table with columns for station name, frequency, power, and coordinates. Includes stations like PPT2 Papeete2, TPT2 Papeete2, HHC HHC, etc.

1596

Table with columns for station name, frequency, power, and coordinates. Includes stations like XAN Xi'an, LZH Lanzhou, FRU Bishkek, etc.

ISCJB 30 14:32:00.9 0.7, 37.54N, 0.04=35.52E, 0.04, h7km, 8km, Error ellipse: s-maj=7.3km s-min=5.2km az=167.9 DDA 30 14:32:00.7, 37.60N, 35.50E, h7km, M12.5 ISK 30 14:32:00.4, 37.53N, 35.53E, h8km, M12.2/8 ISC 30 14:32:00.5, 1.2, 37.58N, 0.05=35.52E, 0.03, h9km, 11km, n14, c0555/21, Turkey

Table with columns: YVYX, Yavlak, 1.91 316 PN, Pb, 14 32 34.9 -0.7, IKL, Isikli, 1.99 228 PN, Pn, 14 32 35.1 +0.8

ISCJB 30 14:35:01.0, 0.8, 24.91N, 0.07, 122.77E, 0.03, h17km, 7km, Error ellipse: s-maj=11.4km s-min=3.7km az=12.3

Main table for 1597 containing station names like YONGUNIJIMAKU, YONAGUNI JIMA, ESOI, etc., with associated data.

PGC 30 14:37:39.1, 19.0, 52.34N, 132.36W, h10km, 368km, 107km Ssw of Sandspit, Bc Haida Gwaii Region

Table for 1597 continuing station data from the previous table.

ISC 30 14:37:43.4, 1.1, 53.0N, 0.2, 132.0W, 0.2, h10km, n8, +1501.8, Queen Charlotte Islands region

Table for 1597 continuing station data.

ISC 30 14:50:04.2, 5.4, 22.34N, 144.68E, h0km, mb3.3/3, mb1.3/6.4, mb1mx3.3/6, mbtmp3.4/4, ML3.3/1, Error ellipse: s-maj=197.8km s-min=27.2km az=76.0, Volcano Islands region

Table for 1597 continuing station data.

DJA 30 14:56:24.5, 0.6, 0, 5S, 5, 12.6E, h10km, M3.6/7, mb3.5/2, MLV3.6/7, Southern Molucca Sea

Table for 1597 continuing station data.

ISC 30 15:02:39.7, 55.0, 19.54S, 179.20W, h0km, mb3.7/3, mb1.3/8.3, mb1mx3.6/24, mbtmp3.7/3, Error ellipse: s-maj=994.7km s-min=145.6km az=81.0, Fiji Islands region

Table for 1597 continuing station data.

DJA 30 15:12:11.0, 0.6, 10, 5S, 5, 12.6E, h23km, 9km, M3.8/7, MB4.9/1, mb4.2/2, MLV3.6/7, MW(m)B.4/2/1, Savu Sea

Table for 1597 continuing station data.

Table for 1598 containing station names like BATI, Baumata, 1.36 121 P, Pn, 15 12 34.5 -0.2, etc.

PGC 30 15:20:48.1, 0.4, 52.57N, 132.87W, h25km, 1km, 103km Wsw of Sandspit, Bc Haida Gwaii Region

Table for 1598 continuing station data.

NEIC 30 15:20:51.5, 5.1, 5.2, 80N, 132.67W, h18km, 9km, mb4.0/4, Error ellipse: s-maj=12.5km s-min=4.2km az=50.2

ISC 30 15:52:2.0, 8.5, 28.81N, 132.57W, 0.09, h22km, n38, +1919.35, Queen Charlotte Islands region

Main table for 1598 containing station names like DIB, Dawson Inlet, 0.40 8 Op, Pn, 15 21 00.8 +0.2, etc.

ISCJB 30 15:22:48.3, 0.1, 17.97S, 0.04, 178.57W, 0.04, h57km, mb4.5/188, Error ellipse: s-maj=6.2km s-min=3.8km az=152.1

NEIC 30 15:22:52.0, 4.1, 18.01S, 178.55W, h624km, 5km, mb4.6/147, Error ellipse: s-maj=5.4km s-min=3.0km az=150.0

MOS 30 15:22:52.2, 1.6, 17.87S, 178.54W, h618km, mb4.6/32, Error ellipse: s-maj=10.0km s-min=8.3km az=50.2

ISC 30 15:22:49.1, 0.3, 18.07S, 0.06, 178.58W, 0.05, h579km, n568, +1920.561, mb4.5/188, 51C-27D, Fiji Islands region

Main table for 1598 continuing station data.

Table for 1599 containing station names like CTAO, Charters Tower, 33.26 261 eP, P, 15 28 41.7 +1.8, etc.

PGC 30 15:20:48.1, 0.4, 52.57N, 132.87W, h25km, 1km, 103km Wsw of Sandspit, Bc Haida Gwaii Region

Table for 1599 continuing station data.

NEIC 30 15:20:51.5, 5.1, 5.2, 80N, 132.67W, h18km, 9km, mb4.0/4, Error ellipse: s-maj=12.5km s-min=4.2km az=50.2

ISC 30 15:52:2.0, 8.5, 28.81N, 132.57W, 0.09, h22km, n38, +1919.35, Queen Charlotte Islands region

Main table for 1599 containing station names like JAY, Jayapura, 42.80 286 P, Pmax, 15 29 59.7 +2.4, etc.

30d 15h

FRD	Ford Ranch, An	78.22	49	P	P	15 33 50.1 +0.1
MDJ	Mudanjiang	78.23	325	eP	P	15 33 49.8 +0.2
N02D	Trinity Center	78.31	40	P	P	15 33 50.8 +0.6
PFO	Pinyon Flats O	78.38	49	P	P	15 33 50.9 0.0
O03E	Paynes Creek	78.46	41	P	P	15 33 50.9 -0.2
M02C	Callahan	78.46	39	P	P	15 33 51.5 +0.5
L02E	Cave Junction	78.48	38	P	P	15 33 51.5 +0.4
LRMC	Laurel Mtn Rd	78.49	47	P	P	15 33 51.4 -0.1
KDAK	Kodiak Island	78.60	14	P	P	15 33 50.9 -0.3
MDPB	Devils Postpil	78.70	44	eP	P	15 33 52.6 -0.1
CWC	Cottonwood Cre	78.73	46	P	P	15 33 52.8 +0.1
OMMD	Old Mammoth Mi	78.75	44	eP	P	15 33 53.0 0.0
YBH	Yreka Blue Hor	78.75	39	P	P	15 33 52.9 +0.3
YBH	Yreka Blue Hor	78.75	39	eP	P	15 33 52.9 +0.3
YBH	Yreka Blue Hor	78.75	39	eP	P	15 33 52.9 +0.3
YBH	Yreka Blue Hor	78.75	39	eP	P	15 33 52.9 +0.3
K02D	Williamette Mer	78.77	38	P	P	15 33 52.9 +0.3
SLBS	Sierra La Lagu	78.78	61	eP	P	15 33 53.9 +0.8
J01E	Myrtle Point	78.90	37	P	P	15 33 53.9 +0.7
BELC	Belle Mtn. Jos	78.91	49	P	P	15 33 53.8 +0.1
MPMK	Manual Prospec	78.93	46	P	P	15 33 53.8 0.0
WAKR	Walker	78.95	43	eP	P	15 33 54.0 +0.1
TIN	Tinemaha, Big	78.96	45	P	P	15 33 54.0 +0.2
DAC	Darwin (Calif)	78.98	46	eP	P	15 33 53.6 -0.4
DAC	Darwin (Calif)	78.98	46	eP	P	15 33 53.7 -0.4
GSC	Goldstone, Bar	79.01	47	P	P	15 33 54.2 +0.1
HEC	Hector Ludlow	79.10	48	P	P	15 33 54.4 -0.2
GRNR	Gorby	79.11	333	eP	P	15 33 54.7 +0.5
BEKR	Beckworth	79.12	42	eP	P	15 33 54.3 -0.4
BC3	Big Chuckawall	79.13	49	P	P	15 33 55.0 +0.2
HUMO	Hull Mountain	79.13	38	eP	P	15 33 54.7 +0.2
PNTR	Pine Nut	79.17	43	eP	P	15 33 54.8 -0.2
GLA	Glamis	79.28	50	P	P	15 33 56.1 +0.6
L04D	Klamath Falls	79.28	39	P	P	15 33 55.5 0.0
M04C	Macdoel	79.31	40	P	P	15 33 55.7 +0.1
YERR	Yerington	79.34	43	eP	P	15 33 55.6 -0.3
GRAC	Grapevine Rang	79.51	46	P	P	15 33 56.9 +0.2
GMRC	Granite Mounta	79.55	48	P	P	15 33 57.0 -0.1
I03D	Drain, OR	79.56	37	P	P	15 33 56.7 +0.1
FURC	Furnace Creek,	79.58	46	P	P	15 33 57.3 +0.4
IRM	Iron Mountain	79.60	49	P	P	15 33 57.4 +0.3
RYN	Ryan	79.62	44	eP	P	15 33 56.5 -0.9
PAHR	Pah Rah Range	79.65	42	eP	P	15 33 57.3 -0.2
NV01	Mina Array S1	79.65	44	P	P	15 33 57.1 -0.5
NVAR	Mina Array S1	79.65	44	P	P	15 33 57.1 -0.5
TUQ	Turquoise Moun	79.70	47	P	P	15 33 57.8 0.0
NV11	Mina Array S1	79.75	44	eP	P	15 33 57.6 -0.4
Y12C	Blythe	79.85	50	P	P	15 33 58.8 +0.4
113A	Mohawk Valley,	79.92	51	eP	P	15 33 58.9 0.0
J04D	Umpqua Nationa	80.01	38	P	P	15 33 59.3 0.0
CN2	Changchun	80.05	322	eP	P	15 34 00.0 +0.7
LDFC	Landfair	80.09	48	eP	P	15 33 60.0 +0.2
KVN	Kaiserville	80.12	43	eP	P	15 33 59.6 -0.4
KVN	Kaiserville	80.12	43	eP	P	15 33 59.6 -0.4
I04A	Tendick Farm,	80.16	38	P	P	15 33 59.7 -0.2
KLR	Kul'dur	80.17	330	iP	P	15 33 59.9 +0.2
214A	Organ Pipe Nat	80.24	52	P	P	15 34 01.0 +0.4
TPNV	Topopah Spring	80.25	46	eP	P	15 34 00.1 -0.6
TPNV	Topopah Spring	80.25	46	eP	P	15 34 00.1 -0.6
TPNV	Topopah Spring	80.25	46	eP	P	15 34 00.7 0.0
MOD	Modoc Plateau	80.31	40	eP	P	15 34 00.5 -0.4
PDMDI	Parker Dam,Lak	80.39	49	P	P	15 34 01.5 +0.3
H04D	Lebanon	80.41	37	P	P	15 34 01.2 +0.1
K05A	Summer Lake,	80.43	39	eP	P	15 34 01.4 -0.1
G03D	McMinnville, O	80.53	36	P	P	15 34 01.9 +0.2
J05D	Fort Rock, OR	80.55	39	P	P	15 34 02.4 +0.3
SHPR	Sheep Range	80.77	47	eP	P	15 34 03.1 -0.3
P14E	Pine Mountain	81.02	38	eP	P	15 34 04.6 +0.1
Y14A	Wickenburg	81.04	50	eP	P	15 34 04.5 -0.2
I05D	Terrebonne,OR	81.10	38	P	P	15 34 04.9 +0.1
E03A	Lebam	81.18	35	eP	P	15 34 04.9 -0.1
R11A	Troy Canyon, C	81.42	45	eP	P	15 34 06.0 -0.7
R11A	Troy Canyon, C	81.42	45	eP	P	15 34 06.4 -0.3
BMN	Battle Mountai	81.44	43	eP	P	15 34 06.5 -0.2
BMN	Battle Mountai	81.44	43	eP	P	15 34 06.5 -0.2
WVOR	Wild Horse Val	81.64	40	eP	P	15 34 07.4 -0.2
WVOR	Wild Horse Val	81.64	40	eP	P	15 34 07.4 -0.2
G05D	Wamic, OR	81.65	37	P	P	15 34 07.3 -0.2
E04D	Cinebar	81.73	35	P	P	15 34 08.0 +0.2
TUC	Tucson	81.93	52	P	P	15 34 10.3 +1.0
TUC	Tucson	81.93	52	P	P	15 34 09.9 +0.6
F05D	White Salmon	81.95	36	P	P	15 34 09.4 +0.4
D04E	Lakebay	82.00	35	P	P	15 34 09.8 +0.7

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I07A	Ize	82.03	39	eP	P	15 34 09.3 -0.3
G06A	Carlson Farm,	82.03	37	eP	P	15 34 08.8 -0.7
D03D	Eldon	82.04	34	P	P	15 34 09.8 +0.4
IPM	Iphoh	82.28	277	eP	P	15 34 11.6 +0.1
LCMT	Little Creek M	82.36	47	eP	P	15 34 11.2 -0.2
X16A	Lo Mia Camp,	82.41	50	eP	P	15 34 11.8 -0.1
D05A	Enucal	82.43	35	eP	P	15 34 11.0 -0.4
CCUT	Cedar City	82.54	47	eP	P	15 34 12.4 -0.1
319A	Douglas	82.65	54	eP	P	15 34 13.0 0.0
GLI	Glacier Island	82.65	15	eP	P	15 34 10.6 -1.6
KNB	Kanab	82.66	47	eP	P	15 34 12.9 -0.1
PSUT	Pine Spring	82.69	46	eP	P	15 34 12.5 -0.6
U15A	North Rim	82.75	48	eP	P	15 34 13.4 -0.2
SZCU	Shurtz Canyon	82.75	47	eP	P	15 34 13.4 -0.1
PMR	Palmer	82.80	14	eP	P	15 34 11.1 -1.7
PMR	Palmer	82.80	14	eP	P	15 34 11.1 -1.7
A04D	Lummi Island	82.97	34	P	P	15 34 14.0 0.0
WUAZ	Wupatki	82.97	49	eP	P	15 34 14.6 0.0
WUAZ	Wupatki	82.97	49	eP	P	15 34 14.8 +0.2
B05A	Bryant	83.02	34	P	P	15 34 14.1 -0.2
G08A	Pilot Rock	83.04	38	eP	P	15 34 14.0 -0.6
LTY	Liberty	83.19	36	eP	P	15 34 14.4 -0.9
PKCU	Pink Cliffs	83.22	47	eP	P	15 34 16.6 +0.6
E07A	Sunnyside	83.24	36	eP	P	15 34 15.2 -0.3
HAWA	Hanford	83.33	37	eP	P	15 34 14.7 -1.2
SCM	Sheep Creek M	83.43	14	eP	P	15 34 14.8 -1.3
SCM	Sheep Creek M	83.43	14	eP	P	15 34 14.8 -1.3
X18A	Snowflake	83.56	51	eP	P	15 34 17.3 -0.3
MTPU	Mout Pierson	83.59	47	eP	P	15 34 18.3 +0.4
MAW	Mawson	83.65	200	P	P	15 34 17.4 +0.2
MAW	Mawson	83.65	200	eP	P	15 34 17.0 -0.1
MAW	Mawson	83.65	200	eP	P	15 34 17.0 -0.1
E08A	Dider Farm, El	83.66	37	eP	P	15 34 17.2 -0.3
PMSA	Palmer Station	83.72	157	P	P	15 34 17.7 +0.1
PSI	Prater	83.74	275	eP	P	15 34 17.8 -1.0
BMO	Blue Mountains	83.77	39	eP	P	15 34 17.2 -1.0
SEY	Seymchan	83.90	347	P	P	15 34 17.6 -0.7
SEY	Seymchan	83.90	347	eP	P	15 34 16.8 -1.5
W18A	Petrified Fore	83.98	50	P	P	15 34 19.5 -0.1
D08A	Woolman Farm,	84.06	36	eP	P	15 34 19.0 -0.4
E09A	Wood Farm, Sta	84.19	37	eP	P	15 34 19.5 -0.7
TRF	Thorofore Moun	84.21	12	eP	P	15 34 18.1 -1.9
ENH	Enshi	84.23	304	eP	P	15 34 21.3 +0.5
F10A	Beach Ranch, E	84.43	38	eP	P	15 34 20.2 -1.2
RND	Reindeer	84.47	13	eP	P	15 34 19.7 -1.5
RND	Reindeer	84.47	13	eP	P	15 34 19.7 -1.5
B08A	Colville Reser	84.56	35	eP	P	15 34 20.7 -1.3
MCK	McKinley	84.74	13	eP	P	15 34 20.8 -1.6
MCK	McKinley	84.74	13	eP	P	15 34 20.8 -1.6
C09A	Chrisman Ranch	84.84	36	eP	P	15 34 22.0 -1.3
HLID	Hailey	84.86	41	P	P	15 34 23.4 -0.3
HLID	Hailey	84.86	41	P	P	15 34 24.0 +0.3
TMUT	Trail Mountain	84.86	46	eP	P	15 34 23.5 -0.5
HVU	Hansel Valley	85.01	43	eP	P	15 34 23.6 -0.9
HVU	Hansel Valley	85.01	43	eP	P	15 34 23.6 -0.9
BWN	Browne	85.02	12	eP	P	15 34 22.8 -0.9
SRU	San Rafael Swe	85.25	46	eP	P	15 34 24.9 -0.8
SRU	San Rafael Swe	85.25	46	eP	P	15 34 24.9 -0.8
ZEA	Zeya	85.25	331	eP	P	15 34 25.2 +0.4
ZEA	Zeya	85.25	331	eP	P	15 34 25.2 +0.4
WLY	Manley	85.53	11	eP	P	15 34 24.3 -2.0
MRH	Wood River Hill	85.56	13	eP	P	15 34 24.4 -1.9
TCUT	Toone Canyon	85.59	44	eP	P	15 34 26.1 -1.3
LENN	Independende R	85.61	52	eP	P	15 34 26.2 -1.3
RIDG	Independende R	85.62	14	eP	P	15 34 25.2 -1.7
NEW	Newport	85.74	36	eP	P	15 34 26.7 -1.0
NEW	Newport	85.74	36	eP	P	15 34 26.2 -1.4
NEW	Newport	85.74	36	eP	P	15 34 26.2 -1.4
NEW	Newport	85.74	36	eP	P	15 34 26.8 -0.8
HDA	Harding Lake	85.75	13	eP	P	15 34 25.5 -1.7
HDA	Harding Lake	85.75	13	eP	P	15 34 25.9 -1.4
DOT	Dot Lake	85.76	15	eP	P	15 34 26.0 -1.4
CCB	Clear Creek B	85.78	13	eP	P	15 34 25.4 -1.9
MNTX	Cornudas Moun	85.80	55	eP	P	15 34 27.9 -0.4
MNTX	Cornudas Moun	85.80	55	eP	P	15 34 28.5 +0.2
IM3	Indian Mountai	85.87	10	eP	P	15 34 26.5 -1.3
LPM	Los Pinos Moun	85.93	52	eP	P	15 34 28.2 -0.9
PV09	Paradox Valley	85.93	47	eP	P	15 34 28.6 -0.5
PV10	Paradox Valley	85.94	48	eP	P	15 34 27.9 -1.2
PV14	Lion Creek, Pa	85.95	48	eP	P	15 34 28.6 -0.5
PV17	East Wray Mesa	85.96	48	eP	P	15 34 28.6 -0.5
MDM	Muury Dome	85.97	12	eP	P	15 34 26.3 -2.0
TCOL	CIGO, UAF Yang	85.97	13	P	P	15 34 26.7 -1.5

1598

COLA	College	85.97	13	eP	P	15 34 26.5 -1.7
COLA	College	85.97	13	eP	P	15 34 26.5 -1.7
DLBC	Dease Lake	86.05	23	P	P	15 34 28.1 -0.8
SCRK	Sand Creek	86.06	15	eP	P	15 34 27.8 -1.1
IL1	Elison Array	86.08	13	eP	P	15 34 26.9 -2.0
ILAR	Elison Array	86.08	13	eP	P	15 34 27.1 -1.7
ILB	Elison Array	86.08	13	eP	P	15 34 26.7 -2.1
PV12	Saucer Basin,	86.08	48	eP	P	15 34 28.9 -0.9
PV01	Paradox Valley	86.17	48	eP	P	15 34 29.2 -1.0
TX31	Lajitas Ar. Si	86.22	58	eP	P	15 34 30.6 +0.1
TXAR	Lajitas Array	86.22	58	eP	P	15 34 31.2 +0.7
XAN	Xitan	86.23	307	P	P	15 34 31.0 +0.7
XAN	Xitan	86.23	307	P	P	15 34 31.0 +0.7
XAN	Xitan	86.23	307	P	P	15 34 31.0 +0.7
POKR	Poker Plat Res	86.27	13	P	P	15 34 28.0 -1.7
ANMO	Albuquerque	86.32	52			

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DAWSON INLET T, VAN INLET T-PH, Bella Bella, Eielson Array, etc.

NEIC 30 15:57:55.0, 0.0, 52.420N, 132.42W, h5km, mb3.9/24, ML4.1(OTT), After OTT. PGC 30 15:57:56.0, 0.3, 52.37N, 132.40W, h0km, 81km, 105km Ssw of Sandspit, Bc Haida Gwaii Region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DIB Dawson Inlet, H2021 DAWSON INLET T, H02S1, H02N1 VAN INLET T-PH, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BBB Bella Bella, CRAG Craig, WRAK Wrangell Island, SIT Sitka, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DILBC Dease Lake, PINE Pine Mountain, K05A Summer Lake, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YKA Yellowknife Arr, ILAR Eielson Array, TRF Thorofane Moun, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BMN Battle Mountain, YHH Holmes Hill, PNTR Pine Nut, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GCMT Greycliff, IMW Indian Meadow, FXWY Fox Creek, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KVN Kaiserville, MOOW Moose Ponds, TPAW Teton Pass, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NV01 Mina Array Sit, NVAR Mina Array Bea, NV11 Mina Array Sit, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NB200 NORSAR Array S, NOA NORSAR Array B, LPAZ La Paz, etc.

PGC 30 16:01:21.4, 52.22N, 132.40W, h18km, 121km Ssw of Sandspit, Bc Haida Gwaii Region. IDC 30 16:01:23.9, 1.9, 52.43N, 131.92W, h0km, mb3.4/1, mb1.3/6.6, mb1mx3.2/6.6, ML3.5/4, Error ellipse: s-maj=36.9km s-min=7.6km az=53.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, BBB Bella Bella, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DLBC Dease Lake, ILAR Eielson Array, NVAR Mina Array Bea, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TXAR Lajitas Array, ISCBJ 30 16:41:23.7, 1.1, 52.22S, 0.3, 171.2E, 0.1, h105km, mb3.8/7, Error ellipse: s-maj=46.2km s-min=13.0km az=172.8

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, DZM, CTA Charters Tower, STKA Stephens Creek, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ASAR Alice Springs, WRA Warramunga Arr, WRA, DAV Davao City (W), KMLR Kuldur, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CMAR Chiang Mai Arr, NVAR Mina Array Bea, SONMG Songo Array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IDC 30 16:56:42.9, 0.7, 14.616N, 146.86E, h0km, mb4.2/22, mb1.4/3.2, mb1mx2.5/4.7, mbtmp4.2/23, ML5.0/1, MS2.6/3, Ms1.2/7.3, ms1mx2.5/4.9, Error ellipse: s-maj=18.3km s-min=13.0km az=112.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ANA2 Anatahan, GUMO Guam, GUMO, GUMO, GUMO, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GTA Gaotai, RAMN Ramite, GUN Gumba, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WMO WMO, TXI TXI, PKI Pulchoki, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KKN Kakan, DMN DMN, DANN Danning, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KOLN Koldanda, PYUN Pyuthan, ZAAO Zalesovo Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ZALV Zalesovo Beam, ZALV Zalesovo Beam, MK01 Makanchi Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MKAR Makanchi Arr, MAKZ Makanchi, KURK Kurchatov, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KSH Kashi, ILAR Eielson Array, BRVK Bravko, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like INK Inuvik, ABKAR Abkarak Arr, GEYT Geyt, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YKA Yellowknife Arr, NVAR Mina Array Bea, ARCES ARCES Array B, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HRY Holter Resear, PDAR Pinedale Array, PB11 POC Spring, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like DBBC Dabeiba, GUYC Guyana, PTGA Pitinga, etc.

IDC 30 17:21:42.34.5,25:76N;70:32E,h0km,mb3.3/5,mb1.3,5.5,mb1mx3.3/5,mbtm3.4/5, Error ellipse: s-maj=137.8km s-min=26.0km az=84.0

ISCJB 30 17:21:48.0,6.25:88N;0:05:71.32E,0:05,h33km,mb3.3/5, Error ellipse: s-maj=7.6km s-min=5.3km az=136.6

NDI 30 17:21:48.8,2.0,25:89N;71:14E,h10km,ML3.6

ISC 30 17:21:50.8,0.9,25:86N;0:07:71.27E,0:08,h35km,n27,az=163/33,mb3.3/5,Northern India

Main table for 1601 section, listing stations like BHJ Bhuj, KHET Khetri, KUDL Kundal, etc.

GUC 30 17:25:02.7,0.7,20:41S;69:63W,h74km,4km,ML3.5, Northern Chile

Table for GUC section, listing stations like PB08 IPOC Station P, PB11 IPOC Station P, etc.

IDC 30 17:33:27.9,1.4,52:44N;131:83W,h0km,mb3.8/3,mb1.3,9/8,mb1mx3.7/4.5,mbtm3.5/8,ML3.3,6/2,M5.1,2.6/2,ms1mx2.3/37, Error ellipse: s-maj=27.2km s-min=7.2km az=52.0

PGC 30 17:33:28.1,0.3,52:33N;132:36W,h0km,85km,108km Ssw of Sandspit, Bc Haida Gwaii Region

ISCJB 30 17:33:29.8,0.5,52:47N;132:52W,0:11,h18km,mb4.2/28, Error ellipse: s-maj=13.1km s-min=3.5km az=146.2

NEIC 30 17:33:29.3,0.6,52:41N;132:69W,h10km,mb4.1/42, Error ellipse: s-maj=17.5km s-min=4.8km az=57.0

ISC 30 17:33:31.4,0.7,52:58N;130:08W,0:09,h18km,n89,az=200/89,mb4.2/28,Queen Charlotte Islands region

Table for NEIC section, listing stations like DIB Dawson Inlet, H02S1 DAWSON INLET T, etc.

Main table for 2012 OCT section, listing stations like DLBC Dease Lake, DHC Deception Hill, RAGM Ragged Mountain, etc.

Main table for 30d 18h section, listing stations like FITZ Fitzroy Crossi, ASAR Alice Springs, MKAR Makanchi Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like PB03, GO03, PB07, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, NOA NORSTAR Array B, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like TOLK Toolik Lake, EPYK Eagle Plains, etc.

ADC 30 21:49:31.0, 2.2, 52.433N-131.833W, h0km, mb1 3.5/4, mb1mx3.3/3m, mbtmp3.2/4, ML3.1/3, Error ellipse: s-maj=36.8km s-min=7.4km az=44.0, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like H02S1, H02N1, etc.

ADC 30 21:53:31.1, 1.1, 31.107N-110.90E, h0km, mb3.6/5, mb1 3.7/7, mb1mx3.5/43, mbtmp3.5/7, ML3.7/2, MS2.6/1, Ms1 2.6/1, ms1mx2.1/36, Error ellipse: s-maj=58.3km s-min=19.6km az=64.0

ISCJB 30 21:53:34.0, 0.9, 31.0N, 0.1, 110.9E, h33km, mb3.5/5, MS2.5/1, Error ellipse: s-maj=28.1km s-min=14.3km az=169.9

ISC 30 21:53:36.2, 1.2, 31.1N, 0.1, 110.9E, h33km, n8, o=577/7, mb3.6/5, Southeastern China

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

ADC 30 22:02:44.0, 0.9, 61.566N-150.99W, h66km, mb5.0/36, Error ellipse: s-maj=11.6km s-min=5.0km az=89.9

ISCJB 30 22:02:45.3, 0.1, 61.55N, 0.02, 150.73W, h74km, 1km, mb4.9/7, Error ellipse: s-maj=2.6km s-min=2.4km az=21.8

ADC 30 22:02:46.1, 0.6, 61.54N, 151.01W, h70km, 4km, mb3.9/20, mb1 4.1/24, mb1mx4.0/54, mbtmp4.2/24, MS3.3/21, Ms1 3.3/21, ms1mx3.2/37, Error ellipse: s-maj=10.8km s-min=8.6km az=104.0

NEIC 30 22:02:47.1, 0.0, 61.49N, 150.72W, h65km, mb4.3/20, MW4.4, ML4.2(AEIC), Moment Tensor Solution, 875

Moment tensor (AEIC) 1015Nm; Mw=4.19; Mw=0.03; Mw=2.42; Ms1.81; Mw=4.09; Mw=2.85; Best double couple: Ms=4.00000, 1015 Np1=195.00000, 864.00000, -1.724.00000, NP2=336.00000, 832.00000, -1.24.00000. Principal axes: T 5.1000, Plg17.0000, Azm27.0000; N 0.5900, Plg17.0000, Azm6.0000; P -5.6900, Plg65.0000, Azm139.0000; After AEIC.

NEIC [Full] at Anchorage and Girdwood and [III] at Kenai and Willow. Also felt at Eagle River, Elmendorf AFB, Soldotna, Talkeetna and Wasilla.

ISC 30 22:02:46.5, 0.4, 61.50N, 0.03, 150.74W, 0.03, h72km, 3km, h72p, 0.2P, n497, 0.19, 10.525, mb4.5/97, 10, Southern Alaska

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

ADC 30 21:45:27.7, 1.9, 31.07N-110.90E, h0km, mb3.6/5, mb1 3.7/7, mb1mx3.5/43, mbtmp3.5/7, ML3.7/2, MS2.6/1, Ms1 2.6/1, ms1mx2.1/36, Error ellipse: s-maj=58.3km s-min=19.6km az=64.0

ISCJB 30 21:53:34.0, 0.9, 31.0N, 0.1, 110.9E, h33km, mb3.5/5, MS2.5/1, Error ellipse: s-maj=28.1km s-min=14.3km az=169.9

ISC 30 21:53:36.2, 1.2, 31.1N, 0.1, 110.9E, h33km, n8, o=577/7, mb3.6/5, Southeastern China

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like TOLK, EPYK, SKAG, etc.

30D 22h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like Old Mammoth, Troy Canyon, Lac du Bonnet, etc.

2012 OCT

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like Rosebud, Lac Fusel, NRIK, etc.

1606

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like Avery, Jackson, Woodville, Jasper, etc.

31d 1h

Table of station data for 31d 1h, including columns for station name, coordinates, and various parameters like P, S, and AML.

2012 OCT

Main table of station data for 2012 OCT, listing stations across various regions like Guatemala, Mexico, and the Pacific Islands.

1608

Table of station data for 1608, including stations in the Pacific and other regions.

1613 2012 OCT 31d 4h

ULM	Lac du Bonnet	22.78	81	P	P	04 53 40.6	-1.6
ULM	comp-Z, 6.8nm, 0.9s, baz=287, slow=9.3, SNR=5.0						
ULM	comp-Z, 5.56nm, 1.83s, baz=290, slow=38	22.78	81	eP	LR	04 53 44.2	+2.1
ULM	Lac du Bonnet	22.78	81	eP	P	04 53 44.3	+2.1
ULM	comp-Z, 2.3nm, 1.2s						
BAR	Barrett	22.82	144	eP	P	04 53 44.2	+1.4
IKP	In-Ko-Pah, Jac	23.05	143	P	P	04 53 46.1	+0.8
S22A	4UR Ranch, Cre	23.13	119	eP	P	04 53 47.3	+1.0
S22A	4UR Ranch, Cre	23.13	119	P	P	04 53 46.0	-0.3
Y14A	Wickenburg	23.17	135	eP	P	04 53 47.3	+0.8
GLA	Glamis	23.19	140	eP	P	04 53 47.7	+1.1
GLA	Glamis	23.19	140	eP	P	04 53 47.7	+1.1
GLA	comp-Z, 3.2nm, 1.1s						
GLA	Glamis	23.19	140	P	P	04 53 47.6	+1.0
X16A	Lo Mia Camp, P	23.46	132	eP	P	04 53 50.9	+1.4
AGMN	Agassiz Nation	23.51	85	eP	P	04 53 50.5	+0.7
AGMN	Agassiz Nation	23.51	85	P	P	04 53 48.7	-1.1
OGNE	Ogallala	23.62	107	eP	P	04 53 52.2	+1.2
OGNE	Ogallala	23.62	107	P	P	04 53 50.3	-0.7
SDCO	Great Sand Dun	23.84	117	eP	P	04 53 54.6	+1.3
SDCO	Great Sand Dun	23.84	117	P	P	04 53 54.5	+1.1
X18A	Snowflake	24.06	129	eP	P	04 53 57.1	+1.8
KSCO	Kaye Shedlock	24.55	111	eP	P	04 54 01.0	+1.2
KSCO	Kaye Shedlock	24.55	111	P	P	04 54 00.9	+1.1
T25A	Trinidad	24.88	117	eP	P	04 54 03.5	+0.6
T25A	Trinidad	24.88	117	P	P	04 54 03.0	+0.1
214A	Organ Pipe Nat	24.96	137	P	P	04 54 04.3	+0.9
ECSD	EROS Data Cent	25.23	96	eP	P	04 54 06.3	+0.6
ECSD	EROS Data Cent	25.23	96	P	P	04 54 06.1	+0.4
ANMO	Albuquerque	25.45	123	eP	P	04 54 08.5	+0.6
ANMO	comp-Z, 1.7nm, 0.8s, baz=307, slow=11, SNR=8.4						
ANMO	Albuquerque	25.45	123	eP	P	04 54 08.7	+0.7
ANMO	Albuquerque	25.45	123	eP	P	04 54 08.1	+0.1
ANMO	comp-Z, 1.0nm, 2.5s						
ANMO	Albuquerque	25.45	123	P	P	04 54 08.5	+0.6
TUC	Tucson	25.53	134	eP	P	04 54 07.1	-1.4
TUC	Tucson	25.53	134	eP	P	04 54 07.1	-1.4
BGNE	Belgrade	25.64	102	eP	P	04 54 10.1	+0.6
BGNE	Belgrade	25.64	102	P	P	04 54 09.5	0.0
EYMN	Ely	26.32	83	eP	P	04 54 18.6	+3.1
EYMN	Ely	26.32	83	P	P	04 54 16.1	+0.6
CBKS	Cedar Bluff	26.35	108	eP	P	04 54 16.7	+0.8
CBKS	Cedar Bluff	26.35	108	eP	P	04 54 16.7	+0.8
CBKS	comp-Z, 1.2nm, 0.9s						
CBKS	Cedar Bluff	26.35	108	P	P	04 54 15.8	-0.1
121A	Cookes Peak, D	26.73	128	P	P	04 54 20.7	+1.2
RES	Resolute Bay	26.95	21	P	P	04 54 21.4	+0.6
RES	comp-Z, 2.2nm, 0.9s, baz=57, slow=16, SNR=2.8						
319A	Douglas	26.99	132	eP	P	04 54 24.0	+2.2
AMTX	Amarillo	28.03	117	eP	P	04 54 32.1	+1.0
AMTX	Amarillo	28.03	117	P	P	04 54 31.3	+0.1
J39A	Decorah	28.44	92	P	P	04 54 34.4	-0.3
MNTX	Cornudas Mount	28.58	126	eP	P	04 54 37.1	+1.2
MNTX	Cornudas Mount	28.58	126	P	P	04 54 37.0	+1.0
M39A	Webster	29.21	96	P	P	04 54 40.9	-0.6
J41A	Loganville	29.46	91	P	P	04 54 42.0	-1.6
WMOK	Wichita Mount	29.75	113	eP	P	04 54 47.2	+1.0
WMOK	Wichita Mount	29.75	113	eP	P	04 54 47.3	+1.0
WMOK	comp-Z, 8.0nm, 0.8s						
WMOK	Wichita Mount	29.75	113	P	P	04 54 46.9	+0.6
N41A	Harden Midland	30.47	96	eP	P	04 54 53.6	+1.0
N41A	Harden Midland	30.47	96	P	P	04 54 52.4	-0.2
TUL1	Leonard	30.62	108	P	P	04 54 54.9	+0.8
O41A	Pasleys Farm,	30.81	97	P	P	04 54 55.2	-0.4
N42A	Yates City	30.90	95	P	P	04 54 54.8	-1.6
Q41A	Truxton	31.32	99	P	P	04 54 58.8	-1.2
N43A	Stutzman Famil	31.36	94	P	P	04 55 00.4	0.0
TX31	Lajitas Ar. Si	31.36	126	eP	P	04 55 01.4	+0.7
TXAR	Lajitas Array	31.36	126	P	P	04 55 01.6	+1.0
TXAR	comp-Z, 4.2nm, 0.8s, baz=330, slow=7.3, SNR=3.3						
HHAR	Hobbs	31.45	106	eP	P	04 55 01.5	+0.2
P42A	Winchester	31.46	97	P	P	04 54 59.8	-1.5
HD1L	Hopedale	31.51	95	P	P	04 55 00.8	-0.9
R41L	Rosebud	31.65	100	P	P	04 55 02.8	-0.2
T40A	Mansfield	31.71	103	P	P	04 55 02.8	-0.8
Q42A	Golden Eagle	31.77	98	P	P	04 55 03.6	-0.4
X37A	Clayton	31.80	109	eP	P	04 55 05.6	+1.2
CCM	Cathedral Cave	31.88	100	P	P	04 55 04.9	-0.2
S41A	Jilco Farms,	31.89	101	P	P	04 55 04.4	-0.8
P43A	Skaggs, Pawnee	31.93	96	P	P	04 55 05.2	-0.2
R42A	Luebbering	32.01	100	P	P	04 55 06.6	+0.4
U40A	Yellville	32.05	104	P	P	04 55 06.5	0.0
N44A	Piper City	32.08	93	P	P	04 55 05.6	-1.1
T41A	Mountain View	32.23	102	P	P	04 55 07.7	-0.5
Q43A	New Douglas	32.26	98	P	P	04 55 08.2	-0.1
W39A	Magazine	32.30	107	eP	P	04 55 09.3	+0.6
W39A	Magazine	32.30	107	P	P	04 55 08.5	-0.2

S42A	Caledonia	32.34	100	P	P	04 55 08.1	-1.0
HPIG	comp-Z, 6.6nm, 1.1s	32.41	131	eP	P	04 55 11.5	+1.4
JCT	Junction City	32.42	120	eP	P	04 55 10.2	+0.3
JCT	Junction City	32.42	120	eP	P	04 55 10.2	+0.3
JCT	comp-Z, 6.0nm, 1.0s						
JCT	Junction City	32.42	120	P	P	04 55 09.1	-0.8
V40A	Witts Springs	32.44	105	eP	P	04 55 10.1	+0.1
V40A	Witts Springs	32.44	105	P	P	04 55 08.7	-1.4
BILL	Bilibino	32.51	322	eP	P	04 55 11.2	+0.9
BILL	Bilibino	32.51	322	eP	P	04 55 11.1	+0.9
BILL	comp-Z, 10nm, 1.0s						
BILL	Bilibino	32.51	322	P	P	04 55 16.8	
BILL	Bilibino	32.51	322	P	P	04 56 16.3	
BILL	Bilibino	32.51	322	P	P	04 57 59.7	
BILL	comp-Z, 5.0nm, 1.0s						
BILL	comp-Z, 104nm, 19.0s						
R44A	Red Bud	32.54	99	P	P	04 55 10.4	-0.4
P43A	Sand Creek, Wi	32.58	96	P	P	04 55 10.3	-0.9
X39A	Fountain Ranch	32.58	108	P	P	04 55 10.7	-0.5
U41A	Viola	32.61	103	P	P	04 55 11.2	-0.2
Q44A	Meyer Farm, Va	32.69	97	P	P	04 55 11.8	-0.4
V41A	Mountainview	32.85	104	P	P	04 55 13.2	-0.4
MIAR	Mount Ida	32.87	107	eP	P	04 55 14.3	+0.5
MIAR	Mount Ida	32.87	107	eP	P	04 55 14.3	+0.5
MIAR	comp-Z, 1.1nm, 0.8s						
MIAR	Mount Ida	32.87	107	P	P	04 55 14.3	+0.5
S43A	Fulton Ridge,	32.90	100	P	P	04 55 12.9	-1.1
U42A	Reverend	33.01	103	P	P	04 55 13.0	-2.0
P45A	Graceland, Par	33.08	95	eP	P	04 55 16.4	+0.9
P45A	Graceland, Par	33.08	95	P	P	04 55 14.9	-0.6
T43A	Greenville	33.09	101	P	P	04 55 14.8	-0.9
PBMO	Poplar Bluff	33.21	101	eP	P	04 55 15.6	-1.1
Q45A	Warren Harvey,	33.22	96	P	P	04 55 16.2	-0.6
S44A	Carbondale	33.32	99	P	P	04 55 16.7	-1.0
X40A	Basin Creek Fa	33.35	107	P	P	04 55 17.4	-0.5
P46A	Rosedale	33.35	94	P	P	04 55 17.6	-0.3
OLIL	Olney	33.36	96	eP	P	04 55 18.3	+0.4
R45A	Skylar, Fairri	33.52	97	P	P	04 55 18.5	-0.9
USIN	University of	34.11	97	eP	P	04 55 24.6	+0.1
O48A	Farnland	34.22	92	P	P	04 55 24.4	-1.0
140A	Cam and Jess,	34.24	110	P	P	04 55 26.8	+1.1
Q47A	Bedord North L	34.25	95	P	P	04 55 25.9	+0.2
S46A	Dotixon Farm	34.26	97	P	P	04 55 27.5	-0.1
833A	Chaparral WMA,	34.35	122	P	P	04 55 27.6	+0.9
U45A	Rockin P Farm,	34.50	100	P	P	04 55 27.4	-0.5
P48A	Milroy	34.54	93	P	P	04 55 27.2	-1.0
T46A	Princeton	34.56	99	P	P	04 55 28.3	-0.1
R47A	Woely Knot Far	34.59	96	P	P	04 55 28.6	-0.1
WCI	Wyandotte Cave	34.77	95	eP	P	04 55 30.5	+0.2
WCI	Wyandotte Cave	34.77	95	eP	P	04 55 30.5	+0.2
WCI	comp-Z, 1.5nm, 0.9s						
WCI	Wyandotte Cave	34.77	95	P	P	04 55 29.9	-0.4
HKT	Hockley	34.98	116	iP	P	04 55 32.3	+0.2
HKT	comp-Z, 1.5nm, 1.2s						
T47A	Sharon Grove	35.08	98	P	P	04 55 32.5	-0.4
V46A	Holladay	35.25	100	P	P	04 55 33.4	-1.0
S48A	Wiedeman Farm,	35.28	96	P	P	04 55 34.8	+0.1
U47A	Clarksville	35.33	99	P	P	04 55 32.7	-2.3
OXF	Oxford	35.35	103	eP	P	04 55 33.0	-2.3
OXF	Oxford	35.35	103	eP	P	04 55 33.0	-2.3
OXF	comp-Z, 4.6nm, 1.0s						
OXF	Oxford	35.35	103	P	P	04 55 34.6	-0.7
X45A	JM Field Stati	35.43	103	P	P	04 55 36.0	+0.1
T48A	Bowling Green	35.43	97	P	P	04 55 36.1	+0.1
S49A	Springfield	35.67	95	P	P	04 55 37.9	-0.1
Y45A	Yeager Farm, C	35.73	104	P	P		

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

ISCJB 31 05:00:47.7 1.3, 52.27N, 0.1, 132.0W, 0.3, h10km, mb3.6/1, Error ellipse: s-maj=29.0km s-min=8.0km az=151.0

ISC 31 05:00:48.4 1.4, 52.27N, 0.1, 131.75W, h0km, mb3.7/1, m1 3.9/5, mb1mx3.5/45, mbtmp3.5/5, ML3.2/5, MS2.6/2, Ms1 2.6/2, ms1mx2.3/38, Error ellipse: s-maj=18.1km s-min=6.8km az=43.0

ISC 31 05:00:50.1 1.3, 52.32N, 0.1, 131.7W, 0.2, h10km, n13, az=213.9/8, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H02S1 DAWSON INLET T, H02S1 Pinedale Array, H02N1 VAN INLET T-PH, etc.

ISC 31 05:02:17.4 1.7, 6.86S, 127.89E, h0km, mb3.5/3, mb1 4.2/6, mb1mx3.8/42, mbtmp3.4/16, ML3.4/3, Error ellipse: s-maj=52.1km s-min=26.4km az=73.0, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BATI Baumata, FITZ Fitzroy Cross, WRA Warrungarra Arr, etc.

ISCJB 31 05:06:17.7 3.2, 52.67N, 0.07, 133.1W, 0.6, h10km, mb3.5/1, Error ellipse: s-maj=54.0km s-min=9.1km az=176.0

ISC 31 05:06:19.2 2.2, 52.68N, 132.87W, h0km, mb3.6/1, m1 3.7/4, mb1mx3.4/36, mbtmp3.3/4, ML3.8/2, Error ellipse: s-maj=41.4km s-min=9.8km az=97.0

ISC 31 05:06:20.6 1.6, 52.68N, 0.09, 132.8W, 0.2, h10km, n7, az=156/8, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, DLBC Dease Lake, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I45RU USSURIYSK INFR, USRK USSuriysk Ar, USRK Resolute Bay, etc.

ISCJB 31 05:09:26.2 1.0, 52.51N, 0.07, 133.1W, 0.1, h10km, mb3.4/3, MS3.1/1, Error ellipse: s-maj=13.4km s-min=9.3km az=147.2

ISC 31 05:09:26.8 1.1, 52.53N, 133.09W, h0km, mb3.5/3, m1 3.7/7, mb1mx3.5/38, mbtmp3.5/7, ML3.3/4, MS2.9/8, Ms1 2.9/8, ms1mx2.7/32, Error ellipse: s-maj=17.0km s-min=9.5km az=98.0

PGC 31 05:09:29.0 0.3, 52.52N, 132.58W, h0km, 70km, 96km southwest of Sandpit, Bc Haida Gwaii Region

ISC 31 05:09:28.8 1.2, 52.51N, 0.09, 133.0W, 0.1, h10km, n17, az=174/11, mb3.6/3, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, BBB Bella Bella, etc.

ISCJB 31 05:16:41.0 0.7, 52.13N, 0.04, 132.1W, 0.1, h18km, mb3.4/3, Error ellipse: s-maj=9.8km s-min=4.6km az=150.4

ISC 31 05:16:41.7 1.5, 52.26N, 131.86W, h0km, mb3.5/3, m1 3.7/6, mb1mx3.5/42, mbtmp3.5/6, ML3.6/3, Error ellipse: s-maj=20.2km s-min=7.5km az=40.0

PGC 31 05:16:43.4 1.5, 52.23N, 132.19W, h12km, 14km, ML3.4/4, 116km Ssw of Sandpit, Bc Queen Charlotte Islands region

ISC 31 05:16:42.8 1.0, 52.16N, 0.06, 131.99W, 0.08, h18km, n29, az=181/29, mb3.5/3, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BNB Barry Inlet, MOCB Moresby Island, H02S1 DAWSON INLET T, etc.

ISC 31 05:17:42.8 2.4, 52.71N, 132.90W, h0km, mb3.2/1, m1 3.7/4, mb1mx3.4/43, mbtmp3.2/4, ML3.2/2, MS3.2/5, Ms1 3.2/5, ms1mx2.7/20, Error ellipse: s-maj=42.9km s-min=10.2km az=100.0, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H02S1 DAWSON INLET T, H02N1 VAN INLET T-PH, BBB Bella Bella, etc.

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

MEX 31 05:28:09.2 0.4, 17.80N, 99.87W, h60km, 6km, MD3.5, Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MEIG Mezcala, ARIG Puente Sto Nin, ARIG Resolute Bay, etc.

ISCJB 31 05:58:11.3 1.1, 10.06S, 0.09, 160.6E, 0.1, h37km, mb3.7/5, MS3.0/3, Error ellipse: s-maj=20.0km s-min=9.7km az=148.6

ISC 31 05:58:12.2 2.4, 10.00S, 160.48E, h40km, 18km, mb3.6/5, m1 3.9/7, mb1mx3.6/40, mbtmp3.9/7, ML3.5/2, MS3.1/4, Ms1 3.1/4, ms1mx2.7/31, Error ellipse: s-maj=27.9km s-min=19.9km az=83.3

ISC 31 05:58:13.0 0.1, 10.00S, 0.1, 160.5E, 0.2, h37km, n17, az=138/11, mb3.7/5, MS2.9/3, Bougainville-Solomon Islands region

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

ISC 31 06:12:54.6 6.8, 50.95N, 133.42E, h0km, mb1 2.3/1, mb1mx2.3/37, mbtmp3.3/1, ML2.2/1, Error ellipse: s-maj=88.5km s-min=41.4km az=124.0, Southeastern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KLR Kul'dur, KLR Honiara, I45RU USSURIYSK INFR, etc.

ISC 31 06:29:21.7 7.1, 50.50N, 129.70E, h0km, Error ellipse: s-maj=288.1km s-min=129.9km az=158.0, Southeastern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I45RU USSURIYSK INFR, I30JP ISUMI INFRASOUND, I44RU PETROPALVOVSK17.4, etc.

SJA 31 06:36:57.4 0.3, 39.07S, 71.63W, h33km, ML4.1, MW3.1, ISCJB 31 06:36:59.7 1.5, 39.97S, 0.08, 72.1W, 0.2, h119km, 12km, Error ellipse: s-maj=27.8km s-min=8.8km az=154.5

GUC 31 06:37:02.0 0.5, 39.06S, 72.19W, h0km, 2km, ML3.8, ISC 31 06:37:00.7 2.2, 38.91S, 0.09, 72.09W, 0.2, h104km, 21km, n10, az=183/16, 1C-4D, Southern Chile-Argentina border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TMU Temuco, GO06 Curarrehue, PLCA Paso Flores, etc.

ISC 31 06:46:18.3 9.4, 32.46S, 178.94E, h158km, 96km, mb3.6/3, m1 3.8/4, mb1mx3.3/38, mbtmp3.9/4, Error ellipse: s-maj=83.7km s-min=29.3km az=30.3, South of Kermadec Islands

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

31d 8h

Table with columns: Code, Station Name, Az, AzZ, Op, Phase, ID, Time, Res, ISC. Includes stations like Chiang Mai, Luwuk, Diego Garcia, Warramunga Arr, etc.

2012 OCT

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

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Table with columns: Code, Station Name, Az, AzZ, Op, Phase, ID, Time, Res, ISC. Includes stations like Kurbb Kurchatov Arra, Kaps Kaparalasan, etc.

15m,1.0s,baz=41,slov=9.3,SNR=2.9
MJAR Matsushiro Arr 65.86 33 P
0.8m,0.6s,baz=153,slov=7.5,SNR=3.0

IDC 31 08:15:15.7,561.0,50.54N-136.45E,h0km,Error ellipse:
s-maj=203.8km s-min=137.5km az=19.0,Southeastern
Siberia
Code Station Name Az AZ Phase ID Time Res
ISC h m s ISC

UCR 31 08:46:00.6,2.0,9.82N-85.64W,h0km,gkm,MD3.9,5C-1D,
Off coast of Costa Rica
Code Station Name Az AZ Phase ID Time Res
ISC h m s ISC

GUC 31 08:47:16.0,0.4,36.73Sx74.92W,h25km,7km,ML3.5,Off
coast of central Chile
Code Station Name Az AZ Phase ID Time Res
ISC h m s ISC

KRSC 31 08:51:59.8,1.4,49.95N,156.31E,h61km,23km,ML3.7,
Kuril Islands
Code Station Name Az AZ Phase ID Time Res
ISC h m s ISC

ISCJB 31 09:04:53.7,0.3,15.23S,0.06,13.22W,0.05,h10km,
mb4/6/36,MS4.5/23,Error ellipse: s-maj=8.9km
s-min=6.4km az=149.7
IDC 31 09:04:53.7,0.6,15.25Sx13.20W,h0km,mb4/2/16,
ms1.4/2/16,mb1mx4.1/30,mbtmp4.2/16,MS4.5/22,
Ms1.4/5/22,ms1mx4.5/23,Error ellipse: s-maj=20.8km
s-min=16.2km az=106.0
NEIC 31 09:04:54.9,0.2,15.28Sx13.17W,h10km,mb4.8/14,Error
ellipse: s-maj=7.8km s-min=6.5km az=146.0
GCMT 31 09:04:55.9,0.1,15.18S,0.01,13.29W,0.01,h12km,
MWVS,1/117,Moment Tensor Solution, s69,31;
s117,c199; Duration: 0 Moment tensor: Scale 1016Nm;
Mw-6.36; Mw-0.89; Mw-5.48; Mw-1.62; Mw-1.74; Mw-0.09; Mw-0.76; Mw-2.7; Best double couple:
M6.45400x10^16 NP1.331.00000,852.00000,
-1.03.00000; NP2.171.00000,840.00000,
-1.74.00000; Principal axes: T 6.1900,Plg6.0000,
Az=70.0000; N 0.5340,Plg10.0000, Az=339.0000; P
-6.7180,Plg78.0000, Az=189.0000; nsta1 refers to
body waves, cutoff=40s. nsta2 refers to surface waves,
cutoff=50s. Triangular moment-rate function

ISC 31 09:04:55.2,0.4,15.27S,0.07,13.17W,0.06,h10km,n117,
c193/96,mb4.8/36,MS4.6/24,1C,Southern Mid-Atlantic
Ridge
Code Station Name Az AZ Phase ID Time Res
ISC h m s ISC

LSZ Lusaka 39.86 96 P
1.2nm,0.4s,baz=289,slov=5.9,SNR=5.2
LSZ Lusaka 39.86 96 eP
24m,1.5s
CPUP Villa Florida 42.53 248 LR
comp=Z,1um,19.5s,baz=90,slov=32
CPUP Villa Florida 42.53 248 eP
11m,1.4s
PTGA Pitinga 48.39 283 P
comp=Z,0.3s,baz=94,slov=11,SNR=7.1
PTGA Pitinga 48.39 283 eP
SAML Samuel 49.21 271 eP
17m,1.3s
KMBO Kilima Mbojo 51.70 79 P
comp=Z,631nm,19.2s,baz=273,slov=35
16m,1.5s
KMBO Kilima Mbojo 51.70 79 eP
LPAZ La Paz 52.76 261 LR
comp=Z,745nm,21.0s,baz=106,slov=34
LPAZ La Paz 52.76 261 eP
KEST Kesra 55.03 22 P
14m,1.2s,baz=160,slov=12,SNR=4.5
KEST Kesra 55.03 22 eP
comp=Z,284nm,18.4s,baz=170,slov=36
KEST Kesra 55.03 22 eP
ESDC Sonseca Array 55.22 9 P
0.2nm,0.3s,baz=243,slov=11,SNR=3.3
ESDC Sonseca Array 55.22 9 eP
PLCA Paso Flores 55.56 231 LR
comp=Z,244nm,19.6s,baz=185,slov=36
PLCA Paso Flores 55.56 231 eP
PLCA Paso Flores 55.56 231 eP
SNAAS Snares 56.72 176 eP
1.4nm,0.9s,baz=336,slov=9.9,SNR=3.8
SNAAS Snares 56.72 176 eP
SDV Santo Domingo 61.78 289 eP
SJAC San Juan de Ar 62.90 282 eP
RUSC La Rusia 62.96 285 eP
SYO Syowa Base 62.96 1611 eP
CHIC Chingaza 63.13 283 eP
BARC Barichara 63.29 286 eP
ROSC Rosco 63.76 283 eP
4.2nm,0.5s,baz=121,slov=13,SNR=9.7
ROSC Rosco 63.76 283 eP
ROSC El Rosal 63.76 283 eP
PRAC Prado 63.76 283 eP
FLUC Florencia 63.98 279 eP
GYOC Guyana, Colomb 64.89 283 eP
PCON Picon 65.42 280 eP
ZARC Zaragoza, Cauc 65.16 284 eP
HELX Santa Helena 65.34 286 eP
YOTC Yotoco, Valle 65.39 282 eP
GUCF Volcan Galeras 65.49 279 eP
OTAV Otavalo 66.26 277 eP
MOTC Monteria, Cord 66.36 287 eP
GEAO Geres Array B 68.14 19 eP
GERES Geres Array B 68.15 19 eP
0.2nm,0.2s,baz=187,slov=6.9,SNR=6.5
GERES Geres Array B 68.15 19 eP
RAYN Ar Rayn 69.11 57 eP
comp=Z,458nm,18.8s,baz=218,slov=36
9.2nm,1.5s
KRUC Moravy Berou 69.21 20 eP
JAVC Velka Javorina 69.47 21 eP
VRAC Vranov 69.49 20 eP
BRTR Keskin Array B 69.95 37 P
0.8nm,0.5s,baz=226,slov=4.5,SNR=7.8
BRTR Keskin Array B 69.95 37 eP
BR101 Keskin Array S 69.95 37 eP
MLR Muntele Rosu 70.08 28 eP
46m,1.5s
CLL Collin 70.13 17 eS
CLL Collin 70.13 17 eSS
CLL Collin 70.13 17 eSSS
CLL Collin 70.13 17 eLm
CLL Collin 70.13 17 eMLR
comp=E,200nm,19.0s
CLL Collin 70.13 17 eLm
MORC Moravy Berou 70.21 21 eP
MORC Moravy Berou 70.21 21 eP
MAW Mawson 70.67 157 P
comp=Z,3.4nm,0.7s,baz=284,slov=4.3,SNR=16
MAW Mawson 70.67 157 eP
MAW Mawson 70.67 157 eP
BUR04 Bucovina Ar. S 71.40 26 eP
KIS Kishinev 72.53 29 eP
KIS Kishinev 72.53 29 eL
KIS Kishinev 72.53 29 eLm
comp=Z,400nm,19.0s
QSPA South Pole Ice 74.89 180 eP
comp=Z,4.0nm,0.9s
KIEV Kiev 75.44 26 eP
comp=Z,226m,1.3s
AKASG Malin Array B 75.45 26 P
comp=Z,0.7nm,0.4s,baz=224,slov=5.9,SNR=19
AKASG Malin Array B 75.45 26 eP
AKAB Malin Array Si 75.45 26 eP
GNI Gari 77.01 42 eP
GNI Gari 77.01 42 eP
KKB Khabaz 77.87 38 P
comp=Z,1.3nm,0.7s,baz=282,slov=5.9,SNR=5.9
KKB Khabaz 77.87 38 eP
KIV Kislodovsk 77.87 38 P
comp=Z,88nm,21.3s,baz=252,slov=36
SNR=7.3
BRYW Bryant College 78.25 320 eP
comp=Z,132nm,1.6s
BRYW Hatt, Dubai 78.43 60 P
NB20 NORSAR Array S 78.51 12 eP
NB0A NORSAR Array B 78.51 12 eP
comp=Z,1.1nm,1.0s,baz=198,slov=6.1,SNR=2.6
NOA NORSAR Array C 78.51 12 eP
comp=Z,228nm,18.2s,baz=205,slov=37
UOSS Minazif 78.53 60 eP
UOSS Minazif 78.53 60 P
UOSS Lake Jocassee 82.84 309 eP
comp=Z,42m,1.6s
SCHO Schefferville 83.26 332 LR
comp=Z,360nm,20.6s,baz=78,slov=30
GEYT Alibek 85.15 49 LR
comp=Z,239nm,21.8s,baz=205,slov=34
SBA Scott Base 87.05 180 eP
comp=Z,177nm,1.5s
VNDA Vanda 87.34 179 P
comp=Z,0.7nm,0.7s,baz=173,slov=6.7,SNR=5.4
VNDA Vanda 87.34 179 eP
ARCES ARCESS Array B 88.86 13 LR
comp=Z,13nm,19.1s,baz=253,slov=37
CCM Cathedral Cave 90.18 309 eP
comp=Z,24m,1.3s
ABKAR Abkula Array 90.19 39 eP
TXAR Lajitas Array 97.75 298 LR
comp=Z,44nm,21.9s,baz=0,slov=34
RKT Rikitea 111.47 237 eP
comp=Z,247nm,12.0s
TAOE Nuku Hiva Isla 22.25 249 eSS
comp=Z,245nm,18.8s,baz=174,slov=32
TAOE Nuku Hiva Isla 22.25 249 eLR
comp=Z,342nm,23.9s
TBI Tubuai 122.55 229 eSS
comp=Z,229nm,30.8s
TBI Tubuai 122.55 229 eLR
PPT2 Papeete 126.02 234 eSS

comp=Z,276nm,26.2s
PPT2 Papeete 126.02 234 eLR
comp=Z,577nm,30.5s
SVWZ Sparrevohn 126.89 338 ePdf
ASAR Alice Springs 129.67 140 PKP
comp=Z,0.6nm,1.0s,baz=188,slov=3.8,SNR=4.5
AS31 Alice Springs 129.67 140 ePKPdf
AS01 Alice Springs 129.70 140 ePKPdf
WRR1 Warrungarra Arr 132.62 137 ePKPdf
WRA Warrungarra Arr 132.62 137 ePKPdf
DZM Mont Dzumac 142.88 179 eLR
comp=Z,238nm,23.1s
INU Inuyama 146.65 48 ePKPdf
INU Inuyama 146.65 48 ePKPbc
MJB9 Matsu-Tunnel 146.87 45 ePKPdf
MJB9 Matsu-Tunnel 146.87 45 ePKPbc
MAJO Matushiro Arr 146.87 45 ePKPdf
MJAR Matushiro Arr 146.88 45 ePKPbc
HNR Honiara 154.53 164 PKP
comp=Z,2.0nm,0.3s,baz=150,slov=3.6,SNR=2.6

ISCJB 31 09:15:45.5,0.7,52.53N,0.04,131.88W,0.08,h13km,3km,
mb3/1/1,MS3.2/1,Error ellipse: s-maj=9.4km s-min=3.4km
az=142.8
PGC 31 09:15:46.8,0.3,52.56N,131.92W,h10km,ML3.9/17,
77km south of Sandpit, Co Haida Gwaii, British Columbia
IDC 31 09:15:47.2,1.3,52.66N,131.76W,h0km,mb3.3/1,
mb1.3/7.7,mb1mx3.5/38,mbtmp3.3/7,ML3.3/6,MS3.0/7,
Ms1.3/0.7,ms1mx2.8/21,Error ellipse: s-maj=21.3km
s-min=5.4km az=37.0

ISC 31 09:15:46.9,1.1,52.60N,0.05,131.88W,0.05,h8km,gkm,
n39,c1946/43,Queen Charlotte Islands region
Code Station Name Az AZ Phase ID Time Res
ISC h m s ISC

ISCJB 31 09:24:04.4,0.7,17.5S,0.2,178.8W,0.2,h533km,mb3.5/8,
Error ellipse: s-maj=30.0km s-min=12.3km az=147.1
IDC 31 09:24:04.1,2.1,17.37S,0.2,178.8W,0.2,h533km,n12,
mb1.3/2.9,mb1mx3.0/25,mbtmp3.8/9,Error ellipse:
s-maj=37.1km s-min=14.1km az=150.0
ISC 31 09:24:41.2,0.6,17.45S,0.2,178.8W,0.2,h533km,n12,
mb1.74/1.2,mb3.4/8,Fiji Islands region
Code Station Name Az AZ Phase ID Time Res
ISC h m s ISC

AFI Afiamalo 7.58 63 P
2.1nm,0.3s,baz=255,slov=20,SNR=4.3
DZM Mont Dzumac 14.65 249 P
Lajitas Array 86.02 58 P
URZ Urewera 21.06 189 P
3.5nm,0.8s,baz=18,slov=3.2,SNR=2.8
STKA Stephens Creek 38.57 241 P
0.9nm,0.5s,baz=89,slov=9.3,SNR=5.5
WRA Warrungarra Arr 44.40 259 P
0.7nm,0.5s,baz=96,slov=7.0,SNR=3.8
ASAR Alice Springs 44.61 254 P
1.1nm,0.5s,baz=89,slov=9.3,SNR=5.5
NVAR Mina Array Bea 73.11 44 P
0.4nm,0.7s,baz=223,slov=6.5,SNR=4.6
ILAR Eielson Array 85.50 13 P
0.2nm,0.7s,baz=211,slov=6.9,SNR=3.8
TXAR Lajitas Array 86.02 58 P
0.9nm,0.6s,baz=231,slov=6.7,SNR=5.5
PDAR Pinedale Array 87.23 44 P
0.1nm,0.3s,baz=243,slov=4.0,SNR=3.2
BRTR Keskin Array B 144.22 315 PKP
comp=Z,342nm,23.9s
GERES Geres Array B 147.07 345 PKPbc
0.5nm,0.5s,baz=48,slov=2.0,SNR=4.1

MAN 31 09:51:37.8,16.23N,120.62E,h23km,mb4.3,ML3.1,
MS2.8,1D,Luzon

31d 12h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MTSN, MGR, MCEL, BULG, SLCN.

ISC 31 11:34:29.4±2.5, 11.31N; 126.28E, h0km, mb3.5/4, mb1 3.7/4, mb1mx3.4/4, mbtmp3.5/4, Error ellipse: s-maj=103.7km s-min=24.7km az=56.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BESP, PNP, CNP, MSLP, WRA, ASAR, MKAR.

ISC/CB 31 11:37:23.8±0.5, 30.27N; 106.141°E, h28km, mb3.4/4, MS2.8/1, Error ellipse: s-maj=20.3km s-min=3.8km az=164.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like JHCJ, JHJ2, JHU, JAG, MJAR, JJK, JMM, JMK, JRC, ASAJ, CMAR, WRA, ILAR, TXAR.

ISC/CB 31 12:05:58.8±0.3, 36.09N; 0101.8978W, h0km, 2km, Error ellipse: s-maj=1.9km s-min=1.6km az=12.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like GNAR, V44A, V44A, V44A, U44A, U44A, U44B, U44B.

2012 OCT

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like GLAT, PARMO, U43A, V43A, V45A, UTMT, U45A, PBMO, HBAR, T44A, W45A, T43A, U42A, W43A, T45A, U46A, V42A, V46A, T42A, T42A, W46A, S43A, S43A, WVT, WVT, WVT, OXF, OXF, X44A, X44A, S44A, SIUC, SIUC, X45A, X45A, U41A, U41A, PLAL, PLAL, T46A, T46A, X46A, X46A, V47A, V47A, S45A, S45A, T41A, T41A, S42A, S42A, V41A, V41A, FVM, FVM, W47A, W47A, U47A, U47A, S41A, S41A, R43A, R43A, WHAR, WHAR, W41B, W41B, W41B, W41B, X47A, X47A, R44A, R44A, CCM, CCM, V46A, V46A, T47A, T47A, T47A, T47A, R42A, R42A, V48A, V48A, V48A, V48A.

1620

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like T40A, V40A, V40A, U40A, W48A, U48A, CCAR, X40A, CPCT, N41A, N39A.

PGC 31 12:17:10.8±1.0, 52.04N; 132.16W, h10km, ML3.5/16, 13km Ssw of Sandspit, Bc Haida Gwaii Region, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BNB, MOCB, DIB, VIB, GNB, NDB, MASB, BBB, UBRB, HOLB, HOLB, PHC, PHC, PABC, PABC, MAYB, MAYB, TLBC, WOSB, WOSB, NCRB, SPLB, CBB, UPRB, FSB, TXB, DLBC.

NEIC 31 12:30:29.1±0.0, 15.37N; 94.78W, h16km, MD4.0 (MEX), Near coast of Oaxaca

MEX 31 12:30:29.1±0.0, 15.37N; 94.78W, h16km, 13km, MD4.0, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like HUIG, HUIG, HUIG, PCIG, PCIG, PCIG, TGIG, TGIG, TGIG, THIG, THIG, CCIG, CCIG.

ISC 31 12:35:14.2±0.0, 18.74S; 177.41W, h330km, 21km, mb3.9/17, mb1 4.1/19, mb1mx4.0/26, mbtmp4.6/19, Error ellipse: s-maj=17.9km s-min=10.8km az=132.0

ISC/CB 31 12:35:15.3±0.1, 18.73S; 177.58W, h0km, h350km, mb4.4/17, Error ellipse: s-maj=7.0km s-min=3.7km az=136.1

NEIC 31 12:35:18.2±1.5, 18.72S; 177.56W, h368km, 16km, mb4.5/99, Error ellipse: s-maj=6.8km s-min=4.7km az=151.0

ISC 31 12:35:15.8±0.4, 18.86S; 077.17739W, h0km, h350km, n210, 12/20/219, mb4.4/17, 22, Fijii Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like AFI, AFI, RAO, DZM, DZM, KNTN, MXZ, URZ, URZ, URZ, URZ, BFZ, THZ, KHZ, LTZ, OXZ, MOZ, RPZ, RPZ, FOZ, WKZ, MLZ, WHZ, EIDS, ARMA, CAN, CTAO, COEN, STKA, STKA.

BBOO	Bucktebo	43.80	242	eP	P	12 42 49.8 +1.4
HMH	Humu'ula Sheep	43.85	31	eP	P	12 42 49.3 +0.1
WC3	Warramunga Arr	45.38	260	eP	P	12 42 59.9 -1.1
WB2	Warramunga Arr	45.41	260	eP	P	12 43 00.1 -1.1
WRAB	Tennant Creek	45.41	260	eP	P	12 42 60.0 -1.2
WRA	Warramunga Arr	45.42	260	eP	P	12 43 00.5 -0.7
WRA	Warramunga Arr	45.42	260	eP	P	12 43 00.5 -0.7
WRA	0.8nm, 0.6s, baz=98, slow=4.6, SNR=4.4			PcP	PcP	12 44 33.0 -0.9
WRA	0.3nm, 0.8s, baz=98, slow=13, SNR=2.8			S	S	12 49 10.8 -4.9
AS01	Alce Springs	45.43	255	eP	P	12 43 01.2 -0.1
AS31	Alce Springs	45.47	255	eP	P	12 43 01.7 +0.1
ASAR	Alce Springs	45.47	255	eP	P	12 43 01.7 +0.1
ASAR	0.3nm, 0.7s, baz=90, slow=8.3, SNR=356			PcP	PcP	12 44 34.1 +0.1
ASAR	1.1nm, 0.5s, baz=112, slow=3.5, SNR=3.9			S	S	12 49 12.9 -3.6
ASAR	0.3nm, 0.5s, baz=86, slow=15, SNR=4.2			S	S	12 49 12.9 -3.6
MTN	Montan Dam	49.74	269	eP	P	12 43 33.6 -0.5
ANA2	Anatahan	50.41	312	eP	P	12 43 36.6 -2.5
FORT	Forrest	50.46	255	eP	P	12 43 39.9 +0.4
FAKI	Fak Fak	51.71	282	eP	P	12 43 47.8 -1.0
FITZ	Fitzroy Crossi	53.83	261	eP	P	12 44 04.2 +0.2
SOEI	Soe	57.04	270	eP	P	12 44 27.7 +0.8
TNTI	Tenale	57.62	283	eP	P	12 44 31.0 +0.2
MBWA	Marble Bar	58.78	256	eP	P	12 44 38.8 +0.1
LUWI	Luwit	61.21	279	eP	P	12 44 55.4 +0.3
CASY	Casey	65.68	205	eP	P	12 45 25.3 +2.1
JAGI	Jajag, Banyuwa	66.98	269	eP	P	12 45 31.4 -1.0
MJAR	Matsushiro Arr	69.25	323	eP	P	12 45 44.1 -1.7
MAJO	Matsushiro	69.25	323	eP	P	12 45 44.5 -1.3
MAT	Matsushiro	69.25	323	eP	P	12 45 44.6 -1.2
MJB9	Matsu-Tunnel	69.25	323	eP	P	12 45 44.5 -1.4
KSM	Kuching	73.76	277	eP	P	12 46 14.0 +0.9
PETK	Petropavlovsk-	74.85	345	eP	P	12 46 19.0 +0.7
KSR5	Korea Array	76.05	318	eP	P	12 46 26.4 +0.9
KSAR	Wouni Array	76.07	318	eP	P	12 46 26.4 +0.8
PKM	Mcherson Peak	76.44	46	eP	P	12 46 29.1 +1.0
VER	Vestal, Richgr	77.47	45	eP	P	12 46 34.2 +0.7
MUSC	Murrieta	77.54	48	eP	P	12 46 34.7 +0.8
BFSC	Mount Baldy Ra	77.56	47	eP	P	12 46 34.4 +0.3
O02D	Mt. Diablo Mer	77.66	40	eP	P	12 46 35.7 +1.3
EDW2	Edwards Air Fo	77.68	46	eP	P	12 46 35.4 +0.7
MONP	2nd Monument	77.71	49	eP	P	12 46 35.9 +0.8
ISA	Isabella, Lake	77.79	46	eP	P	12 46 35.9 +0.7
ISA	Isabella, Lake	77.79	46	eP	P	12 46 36.0 +0.7
CMB	Columbia Colle	77.88	43	eP	P	12 46 36.0 +0.3
FRD	Fort Ranch, An	77.90	48	eP	P	12 46 36.5 +0.6
USK	Ussuriysk Arr	79.47	325	eP	P	12 46 37.1 +1.3
AFDM	Forest Hills D	78.04	42	eP	P	12 46 36.9 +0.4
PFO	Pinoy Flats O	78.06	48	eP	P	12 46 37.5 +0.6
SWSC	Sam W. Stewart	78.18	49	eP	P	12 46 38.2 +0.9
LRMC	Laurel Mtn Rd	78.22	46	eP	P	12 46 38.3 +0.6
O03E	Paynes Creek	78.33	40	eP	P	12 46 38.8 +0.6
CWC	Cottonwood Cre	78.48	45	eP	P	12 46 39.9 +0.7
MDPB	Devils Postpil	78.49	44	eP	P	12 46 40.0 +0.7
OMMB	Old Mammoth Hi	78.53	44	eP	P	12 46 40.1 +0.5
BELC	Belle Mtn. Jos	78.59	48	eP	P	12 46 40.6 +0.8
MPMC	Manual Prospec	78.67	46	eP	P	12 46 40.9 +0.7
GSC	Goldstone, Bar	78.72	47	eP	P	12 46 41.1 +0.7
WAKR	Walker	78.76	43	eP	P	12 46 41.5 +0.9
BC3	Big Chuckwall	78.80	49	eP	P	12 46 41.9 +1.0
HCC	Hector, Ludlow	78.80	47	eP	P	12 46 41.4 +0.6
BEKR	Beckworth	78.96	41	eP	P	12 46 42.2 +0.5
PNTR	Pine Nut	78.99	42	eP	P	12 46 42.5 +0.6
YERR	Yerington	79.16	42	eP	P	12 46 43.3 +0.5
M04C	Maccoello	79.21	39	eP	P	12 46 43.6 +0.7
GMRC	Granite Mounta	79.24	48	eP	P	12 46 43.9 +0.7
GRAC	Grapevine Rang	79.27	45	eP	P	12 46 44.0 +0.8
IRM	Iron Mountain	79.28	48	eP	P	12 46 44.4 +1.1
NJ2	Nanjing	79.29	309	eP	P	12 46 43.0 -0.3
TUQ	Turquoise Moun	79.47	47	eP	P	12 46 44.8 +0.7
RYN	Ryan	79.42	43	eP	P	12 46 45.0 +0.9
NV01	Mina Array Sit	79.45	43	eP	P	12 46 44.8 +0.4
NVAR	Mina Array Bra	79.45	43	eP	P	12 46 45.0 +0.6
PAHR	Pat Rih Range	79.48	42	eP	P	12 46 45.3 +0.8
Y12C	Blythe	79.49	49	eP	P	12 46 45.5 +1.0
NV11	Mina Array Sit	79.55	43	eP	P	12 46 45.3 +0.5
LDFC	Landfair	79.78	48	eP	P	12 46 47.4 +1.3
21VA	Organ Pipe Nat	79.85	51	eP	P	12 46 47.6 +1.2
KVN9	Kaiserville	79.93	43	eP	P	12 46 47.4 +0.5
TPNV	Topopah Spring	79.99	45	eP	P	12 46 47.9 +0.6
TPNV	Topopah Spring	79.99	45	eP	P	12 46 47.9 +0.6
PDMCI	Parker Dam, Lak	80.06	49	eP	P	12 46 48.4 +0.9
K05A	Summer Lake	80.33	39	eP	P	12 46 49.7 +0.8
J05D	Fort Rock, OR	80.47	38	eP	P	12 46 50.3 +0.7
W13A	Hualapai Mount	80.65	48	eP	P	12 46 52.1 +1.2
Y14A	Wickenburg	80.69	49	eP	P	12 46 52.2 +1.3
PINE	Pine Mountain	80.95	38	eP	P	12 46 53.3 +1.2
I05D	Terrebonne, OR	81.05	37	eP	P	12 46 53.2 +0.7
R11A	Troy Canyon, C	81.19	45	eP	P	12 46 54.1 +0.5

R11A	Troy Canyon, C	81.19	45	eP	P	12 46 53.7 +0.2
BMN	Battle Mountai	81.26	42	eP	P	12 46 54.3 +0.5
WVOR	Warramunga Val	81.51	40	eP	P	12 46 55.4 +0.3
G05D	Wamic, OR	81.61	36	eP	P	12 46 56.2 +0.8
E04D	Cinebar	81.73	35	eP	P	12 46 56.7 +0.8
D04E	Lakebay	82.01	34	eP	P	12 46 58.3 +1.0
D03D	Eldon	82.06	34	eP	P	12 46 58.2 +0.6
LCMT	Little Creek M	82.07	47	eP	P	12 46 59.2 +1.1
J08A	Circle Bar Ran	82.14	39	eP	P	12 46 59.1 +0.9
CCUT	Cedar City	82.27	46	eP	P	12 47 00.7 +1.4
KNB	Kanab	82.37	47	eP	P	12 47 01.1 +1.5
PSUT	Pine Spring	82.44	45	eP	P	12 47 00.8 +0.8
U15A	North Rim	82.44	48	eP	P	12 47 01.5 +1.3
SZCU	Shurtz Canyon	82.48	46	eP	P	12 47 01.6 +1.4
WUAZ	Wupatki	82.64	49	eP	P	12 47 02.8 +1.7
G08A	Pilot Rock	82.97	37	eP	P	12 47 02.9 +0.4
B05A	Bryant	83.04	34	eP	P	12 47 03.3 +0.8
X18A	Snowflake	83.19	50	eP	P	12 47 05.2 +1.3
E07A	Sunnyflak	83.22	36	eP	P	12 47 04.3 +0.7
MAW	Mawson	83.29	200	eP	P	12 47 05.5 +1.9
HAWA	Hanford	83.30	36	eP	P	12 47 04.5 +0.6
MTPU	Mount Pierson	83.32	46	eP	P	12 47 06.3 +1.6
MSU	Marysville	83.56	46	eP	P	12 47 07.3 +1.6
E08A	Dider Farm, El	83.62	36	eP	P	12 47 06.2 +0.7
W18A	Petrified Fore	83.62	50	eP	P	12 47 05.8 -0.3
BMO	Blue Mountain	83.68	38	eP	P	12 47 06.4 +0.3
121A	Cookes Peak, D	83.87	53	eP	P	12 47 09.0 +1.6
DUG	Dugway, Tooele	83.99	44	eP	P	12 47 08.3 +0.5
D08A	Wollman Farm,	84.03	36	eP	P	12 47 08.3 +0.7
F10A	Beach Ranch, E	84.36	37	eP	P	12 47 09.4 -0.0
B08A	Colville Reser	84.57	35	eP	P	12 47 10.0 -0.3
TMUT	Trail Mountain	84.61	45	eP	P	12 47 12.4 +1.3
HLID	Hailey	84.72	41	eP	P	12 47 12.2 +0.9
HLID	Hailey	84.72	41	eP	P	12 47 12.3 +0.9
TRF	Thorfare Moun	84.74	12	eP	P	12 47 09.6 -1.4
HVU	Hansel Valley	84.82	43	eP	P	12 47 12.6 +0.7
SRU	San Rafael Swe	84.98	46	eP	P	12 47 13.4 +0.6
MCK	McKinley	85.26	12	eP	P	12 47 12.2 -1.1
MNTX	Cornudas Mount	85.34	54	eP	P	12 47 15.9 +1.4
MNTX	Cornudas Mount	85.34	54	eP	P	12 47 16.2 +0.1
PV09	Paradox Valley	85.64	47	eP	P	12 47 16.6 +0.4
PV14	Lion Creek, Pa	85.66	47	eP	P	12 47 16.6 +0.4
TX31	Lajitas Ar. Si	85.69	57	eP	P	12 47 17.5 +1.1
TXAR	Lajitas Array	85.69	57	eP	P	12 47 18.1 +1.8
PV23	Carpenter Ridg	85.70	47	eP	P	12 47 17.2 +0.8
PV12	Saucer Basin,	85.79	47	eP	P	12 47 17.5 +0.7
ANMO	Albuquerque	85.94	51	eP	P	12 47 18.5 +0.9
ANMO	Albuquerque	85.94	51	eP	P	12 47 18.5 +0.9
WRH	Wood River Hill	86.09	12	eP	P	12 47 16.2 -1.1
HDA	Harding Lake	86.27	13	eP	P	12 47 17.2 -1.0
HDA	Harding Lake	86.27	13	eP	P	12 47 17.1 -1.1
CCB	Cle Creek Bu	86.30	12	eP	P	12 47 17.3 -1.1
MCMT	McKenzie Canyo	86.34	40	eP	P	12 47 20.2 +0.9
GYA	Guyang	86.34	299	eP	P	12 47 20.0 +0.4
TCOL	CIGO, UAF Yank	86.49	12	eP	P	12 47 17.9 -1.3
MDM	Murphy Dome	86.50	12	eP	P	12 47 17.8 -1.6
IL1	Eielson Array	86.60	13	eP	P	12 47 17.9 -1.8
ILAR	Eielson Array	86.60	13	eP	P	12 47 18.1 -1.7
ILB	Eielson Array	86.60	13	eP	P	12 47 18.1 -1.7
MSO	Missoula	86.73	38	eP	P	12 47 21.0 0.0
DLMT	Dillon	86.77	40	eP	P	12 47 21.8 +0.5
POKR	Poker Plat Res	86.79	12	eP	P	12 47 18.8 -1.9
FXWY	Fox Creek	86.87	42	eP	P	12 47 22.7 +0.9
S22A	4UR Ranch, Cr	86.91	48	eP	P	12 47 23.4 +1.1
S22A	4UR Ranch, Cr	86.91	48	eP	P	12 47 22.8 +0.5
O20A	White River Ci	87.02	46	eP	P	12 47 23.0 +0.4
IMW	Indian Meadown	87.05	42	eP	P	12 47 23.8 +1.0
LRM	Limekiln Ridge	87.09	39	eP	P	12 47 23.3 +0.4
QLMT	Earthquake Lak	87.21	41	eP	P	12 47 24.9 +1.4
FLWY	Flagg Ranch	87.29	41	eP	P	12 47 25.0 +1.2

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like G08A Pilot Rock, WAKR Walker, HAWA Hanford, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like BIZ, LEOM Leova, LEO Leova, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like LSCH La Serena, Tololo Observa, AROD Rodeo, etc.

SJA 31 13:23:45.0, 3.0, 8.24, 95S: 70.94W, h30km, ML3.5, MW3.7
ISCJB 31 13:23:51.8, 0.8, 25.28S: 0.03, 70.8W, 0.1, h38km, Error ellipse: s-maj=17.3km s-min=4.1km az=2.8

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like IPOC Station P, IPOC Station P, IPOC Station P, etc.

IDC 31 13:24:13.2±1.7, 5.57S: 147.31E, h199km±15km, mb3.6/3, mb1 3.8/6, mb1mx3.3/4, mbtmp4.1/6, Error ellipse: s-maj=26.2km s-min=15.4km az=105.0, Eastern New Guinea region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like PMG Port Moresby, PMG, JAY Jayapura, etc.

ISCJB 31 13:30:05.2±0.8, 0.12S: 0.09, 122.79E: 0.09, h100km, mb3.7/7, Error ellipse: s-maj=13.9km s-min=11.5km

IDC 31 13:30:05.6±5.8, 0.13S: 122.81E, h83km, 53km, mb3.5/7, mb1 3.6/9, mb1mx3.4/3, mbtmp3.8/9, ML3.5/2, Error ellipse: s-maj=42.2km s-min=16.4km az=84.0

ISC 31 13:30:07.0±0.9, 0.25±0.1, 122.8E: 0.1, h100km, n9, ±131°11', mb3.9/7, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like SIJI Sorong, FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

DDA 31 13:31:13.5, 39.79N: 26.19E, h7km, ML3.5
ISK 31 13:31:13.9, 39.81N: 26.21E, h6km, ML3.3/32
ISCJB 31 13:31:14.3±0.6, 39.82N: 26.21E, h6km, 4km, Error ellipse: s-maj=3.2km s-min=2.8km az=143.9

ATH 31 13:31:14.3, 39.81N: 26.23E, h25km, 2km, ML3.1/5, Error ellipse: s-maj=3.3km s-min=1.2km az=250.0

THE 31 13:31:15.0, 39.81N: 26.17E, h6km, ML2.9/6, Error ellipse: s-maj=1.3km s-min=0.4km az=248.0

ISC 31 13:31:14.7±1.0, 39.81N: 0.02-26.20E: 0.02, h11km, 9km, n67, ±95°07', Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like GPNR Gulpinar-Canak, GADA Gvkgada, PARASKEVI Paraskevi, etc.

3D0 15h

Table with columns: Pdo, Prodromos, FSK, KRUS, KRUS, AGG, ANX, Station Name, Az, Az', Phase ID, Time Res, ISC

ISCJB 31 15:01:57.9-0.5, 37.30N-0.04-37.10E, 0.04, h10km, 5km, Error ellipse: s-maj=7.5km, s-min=5.0km, az=30.7

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

ISCJB 31 15:13:10.8-0.4, 4.35N-0.09-32.49W, 0.07, h11km, mb4.2/24, MS3.7/22, Error ellipse: s-maj=14.3km

IDC 31 15:13:10.9-0.6, 4.44N-32.60W, h0km, mb4.0/12, mb1.4/2.12, mb1mx4.0/4.5, mbtmp4.0/12, ML3.9/1, MS3.7/22, Ms1.3/7.22, ms1mx3.5/3.7, Error ellipse: s-maj=24.0km

NEIC 31 15:13:12.1-0.2, 4.35N-32.52W, h10km, mb4.5/11, Error ellipse: s-maj=8.7km, s-min=6.5km, az=153.0

Main table for 3D0 15h with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC

2012 OCT

Table with columns: WALA, NV01, NVAR, ISA, QSPA, NRK, ILAR, CMAR, ASAR, WRI, WRA, Station Name, Az, Az', Phase ID, Time Res, ISC

ISCJB 31 15:15:05.6-0.3, 5.24S-0.04-34.79E, 0.04, h10km, mb4.4/26, MS3.8/6, Error ellipse: s-maj=6.4km

IDC 31 15:15:06.4-0.5, 5.32S-34.77E, h0km, mb4.3/17, mb1.4/2.0, mb1mx4.2/4.2, mbtmp4.3/20, ML4.8/4, MS3.5/10, Ms1.3/5.10, ms1mx3.1/3.6, Error ellipse: s-maj=18.2km

NEIC 31 15:15:07.1-0.3, 5.36S-34.79E, h10km, mb4.6/11, Error ellipse: s-maj=10.7km, s-min=7.0km, az=108.0

Main table for 2012 OCT with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC

1624

Main table for 1624 with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC

MEX 31 15:21:05.8-1.0, 15.86N-98.17W, h16km, 4.1km, MD3.6, Off coast of Guerrero

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

Table with columns: BUKP Musuan, BUKP Borongan, BEBP Catarman, CNP Musuan, CNP Borongan, CNP Catarman. Includes coordinates and time/res data.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BUJR Buynaksk, KNRN Karanay, DBC Dubki, UNCR Uncuul, GNBFR Gunib, BTLR Botlikh, GROCC Groznyy, LACR Lac.

MAN 31 15:34:17.7, 8.78N, 126.12E, h119km, mb4.8, ML3.7, MS3.6, 1C-1D, Mindanao

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BUTP Butuan, BIPH Bislig, BUKP Musuan, CGP Cagayan de Oro, CTBH Cotabato-PC H, CNP Catarman.

IDC 31 15:36:23.4, 0.9, 1.86N, 122.01E, h534km, 73km, mb2.9/6, mb1 3.1/6, mb1mx2.7/42, mbtmp3.8/6, Error ellipse: s-maj=79.3km s-min=16.8km az=64.0, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BATI Baumata, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, SONM Songoing Array, MKAR Makanchi Array.

ISCJB 31 15:39:34.3, 0.6, 6.91N, 0.04, 73.13W, 0.04, h155km, 4km, mb3.4/3, Error ellipse: s-maj=6.7km s-min=6.0km az=26.2, RSNC 31 15:39:36.1, 1.0, 6.86N, 73.13W, h146km, 5km, ML3.8, Mw3.8

IDC 31 15:39:36.5, 2.5, 6.82N, 73.26W, h174km, 22km, mb3.1/3, mb1 3.6/5, mb1mx3.1/33, mbtmp3.6/5, Error ellipse: s-maj=40.5km s-min=26.6km az=66.0

ISC 31 15:39:34.5, 0.8, 6.89N, 0.04, 73.11W, 0.05, h154km, 6km, n22, 0.090/37, mb3.5/3, 3C-5D, Northern Colombia

Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GIRC Giron, Santand, BARC Barichara, PAMC Pampiona, BARRC Barranca, RUSC La Rusia, OCAC Ocana, TAMC Tame, ZARC Zaragoza, CHIC Chingaza, ROSC El Rosal, HELC Santa Helena, GUYC Guyana, RREF El Recreo, DBBC Dabeiba, PRAC Prado, PTGA Pitinga, TXAR Lajitas, PDAR Pinedale, YKA Yellowknife, ASAR Alice Springs, WRA Warramunga Arr, MEX 31 15:49:49.0, 0.7, 16.02N, 99.18W, h14km, 72km, MD3.9, Near coast of Guerrero

Table with columns: PNIG Pinotepa, PLIG Tlapi, TLIG Tlapi. Includes coordinates and time/res data.

SOME 31 16:05:42.3, 41.43N, 78.80E, h20km, KRNET 31 16:05:43.7, 0.1, 41.53N, 78.71E, h16km, mb2.6, NNC 31 16:05:45.9, 2.7, 41.72N, 78.94E, h0km, mb3.2, mpv2.8, Error ellipse: s-maj=25.3km s-min=13.2km az=162.0, ISC 31 16:05:44.3, 2.0, 41.56N, 0.06, 78.72E, 0.04, h2km, 12km, n34, 0.134/66, 26C-4D, Kyrgyzstan-Xinjiang border region

Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PRZ Przheval'sk, KDJ Kajisy, SATY Saty, UZB Uzunbulak, ZHN Zhnishiske, KPKS Kokpek, KURS Kuram, ULHL Ulahol, TNSS Tian-Shan, MDOK Medeo, NRN Naryn, KOTS Kotrybulak, AAA Alma-Ata, IZV Izvestnikov, KTMZ Ketmen, BOOM Boomsokoye usch, MTBS Matube, KST Khatyul, MNBS Baschi, CHKK Chushkaly, KTBS Karatobe, KZA Kyzart, KZA Kyzart, TKM2 Tokmak 2, TKM2 Tokmak 2, ARXS Arharly, DGS Degeres, DJR Jarkent, KUU Kurty, UCH Uchtor, AAK Ala-Archa, KAPS Kapalassan, AML Almayashu, AML Almayashu, MK31 Makanchi Array, MK31 Makanchi Array, MK31 Makanchi Array.

IDC 31 16:25:26.5, 0.8, 5.2/63N, 132.92W, h0km, mb3.9/8, mb1 4.1/11, mb1mx2.8/46, mbtmp3.8/11, ML3.3/4, MS3.0/9, Ms1 3.0/9, ms1mx2.7/43, Error ellipse: s-maj=12.5km s-min=7.9km az=102.0, PGC 31 16:25:27.0, 0.8, 5.2/65N, 132.97W, h10km, ML4.0/14, 102km Wsw of Sandspit, Bc Haida Gwaii Region, NEIC 31 16:25:27.0, 0.0, 5.2/65N, 132.97W, h10km, mb3.9/21, ML4.0(OTT), After OTT.

ISCJB 31 16:25:28.2, 0.3, 5.2/77N, 0.02, 133.02W, 0.05, h18km, mb3.9/11, MS3.3/3, Error ellipse: s-maj=4.7km s-min=3.1km az=151.8, ISC 31 16:25:30.1, 0.7, 5.2/81N, 0.05, 132.90W, 0.06, h18km, n102, 0.120/87, mb4.0/11, MS2.2/3, Queen Charlotte Islands region

Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DIB Dawson Inlet, H02S1 Dawson Inlet, H02S1 VAN INLET T-PH, VIB Van Inlet, MOBC Moresby Island, Barry Inlet, NDB Nasset, BNAB Bonilla, RUBB Prince Rupert, CRAIG Bella Bella, BBB Bella Bella, BBB Bella Bella, BBB Bella Bella, DLBC Dease Lake, DLBC Dease Lake, DLBK Deception Hill, WHY Whitehorse, NLWA Neilston Lookout, PCA Pencil, LON Longmire, LTY Liberty, BALM Baldy, BMRM Bremner River, KU Klutina, SCM Sheep Creek Mo, KDAK Kodiak Island, DOT Dot Lake, RIDG Independent Rid, EGAK Eagleton, YBH Yreka Blue Hor, ILAR Eielson Array, ILAR Eielson Array, TRF Thorofore Moun, PPLA Purkyppile, BPWF Paw Faw Mtn, HLD Hainley, MCMT McKenzie Canyo, EGMT Eagleton, BEKR Beckworth, PAHR Pah Rang Range, QLMT Quilts Lake, BMN Battle Mountain, YHB Horse Butte, YHH Holmes Hill, IM3 Indian Mountain, YPP Pitchstone Pla, KVN Kaiserville, TPAW Teton Pass, NV01 Mina Array Sit, NVAR Mina Array, AHID Auburn Hatcher, PDAR Pinedale Array, DUG Dugway, Tooele, R11A Troy Canyon, C, PSUT Pine Spring, TPNV Topopah Spring, CCUT Cedar City, SHPR Sheep Range, SZCU Shurtz Canyon, SRU San Rafael Swe, GSC Goldstone, Bar, LCMT Little Creek M, LDFC Laird, U15A North Rim, ULM Lac du Bonnet, Y14A Wickenburg, RES Resolute Bay, TX31 Lajitas Ar Si, LTX Lajitas, TXAR Lajitas Array, SCHS Scheffers Beam, H11N2 WAKE ISLAND, H11N3 WAKE ISLAND, H11N1 WAKE ISLAND, H11S1 WAKE ISLAND, H11S2 WAKE ISLAND, H11S3 WAKE ISLAND, NOARS NORSAR Array, NOA NORSAR Array, ZAA1 Zalesovo Array, ZALV Zalesovo Beam, KURBB Kurchatov Arr, GERES GERESS Array B.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SSD Sandimen, ECL Taimali, JTJ Tarama, MASBT Mashibuluo, EAST Anshuo, NJ2 Nanjing.

TRN 31 16:43:54.8, 17:49N-61:25W, h15km, MD3.5, Leeward Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ANWB Willy Bob, BPA Boggy Peak, MLYT Lee's Yard, NEV Hard Times, NVRH Round Hill, LZG Guadaloupe-1, SKI Saint Kitts, SSG Sans Toucher, CRG Carmichael, FNG Fond-Bernard, ECG Echelle, MGG Marie-Galante, TBG Guadaloupe-3, SMRT St. Maarten, MDPV Dominica, Penn, BBL Barber's Block, DLPL La Plaine.

DDA 31 16:45:57.9, 40:29N-34:99E, h10km, M12.7
ISK 31 16:45:57.2, 40:28N-34:94E, h5km, ML2.1/9
ISCJB 31 16:45:58.4, 0.5, 40:31N-0:34:96E, 0.0/4, h7km, 4km, Error ellipse: s-maj=4.9km s-min=4.6km az=13.5

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like COAL Corum-Alaca, CORM Corum, CTAK Corum_Osmancik, YOZ Yozgat, CDAG Cicekdag, HAVZ Havza, ELDT Eldivan, TOKT Tokat, CUSAR Sarkisla-SIVAS, KAMT Kaman, DIKM Dikmen, AVNS Nevsehkir-Avano, KARACAY Karacay, AFSR Af ar-Bala (A), ANTO Antekara, SERE Serelikochisa, KULU Kulu.

MEX 31 16:48:46.7, 0.7, 14:39N-91:65W, h163km, 6km, MD3.9, Guatemala

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CCIG Comitán, COIG, PCIG, PCIG.

IDC 31 17:01:22.0, 4.9, 19:77S-176:64W, h0km, mb3.6/3, mb1 3.8/3, mb1mx3.5/40, mbtmp3.6/3, Error ellipse: s-maj=241.3km s-min=52.2km az=151.0, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CTA Charters Tower, ASAR Alice Springs, WRA Warramunga Arr, AKASG Malin Array Be, BRTR Keskin Array B.

ISC 31 17:03:19.1, 3.7, 50:33N-0:06:71E, 0.2, h5km, 15km, n7, 0573/14, Germany

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LKLB Kalborn, LVIA Vianden, LVIA, BHOU Houvezneq, MEM Membach, HGN Heimansgroeve, WLF Walferdange, BCLA Clavier.

ISCJB 31 17:06:45.4, 0.45, 51:15N-0:09:151:86E, 0.0/9, h30km, mb3.6/7, MS2.9/1, Error ellipse: s-maj=14.2km s-min=5.9km az=147.8

MOS 31 17:06:46.4, 2.1, 45:40N-151:84E, h40km, mb3.9/4, Error ellipse: s-maj=13.3km s-min=9.9km az=61.5

SKHL 31 17:06:46.4, 0.4, 45:47N-151:84E, h5km, 3km, mb4.2/2, IDC 31 17:06:50.3, 3.45, 45:86N-151:74E, h68km, 28km, mb3.5/6, mb1 3.6/9, mb1mx3.3/43, mbtmp3.8/9, ML3.5/3, MS2.7/3, Ms1 2.7/3, ms1mx2.3/42, Error ellipse: s-maj=31.3km s-min=18.1km az=130.0

ISC 31 17:06:46.4, 0.9, 45:43N-0:10:151:90E, 0.0/9, h30km, n39, 0:177/36, mb3.7/8, 2C-4D, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KUR Kuril'sk, KUR 12nm, 0.3s, KUR 74nm, 0.3s, KUR 29nm, 0.3s, KUR 34nm, 0.2s, KUR 33nm, 0.2s, KUR comp=E, 75nm, 0.2s, KUR comp=Z, 288nm, 0.2s, KUR comp=N, 116nm, 0.3s, KUR comp=N, 435nm, 0.4s, SHO Shikotan, SHO comp=N, 23nm, 0.3s, SHO comp=N, 31nm, 0.3s, SHO comp=N, 25nm, 0.3s, SHO comp=N, 45nm, 0.3s, SHO comp=N, 19nm, 0.3s, SHO Shikotan, SHO Shikotan, SHO comp=Z, 45nm, 0.3s, SHO comp=N, 23nm, 0.2s, SHO comp=E, 31nm, 0.2s, SHO comp=N, 45nm, 0.2s, SHO comp=E, 186nm, 0.4s, YSS Yuzh-Sakhalins, YSS Yuzh-Sakhalins, JKA Kamikawa-asahi, ASAJ ASAHIKAWA, ASAJ comp=Z, 2.4nm, 0.3s, baz=103, slow=12, SNR=12, ASAJ baz=209, slow=19, SNR=1.5, ASAJ comp=Z, 49nm, 20.3s, baz=151, slow=36, ERM Erimo, ERM Erimo, PETK Petropavlovsk, PETK comp=Z, 0.5nm, 0.3s, baz=188, slow=11, SNR=10, PETK baz=220, slow=47, PETK Petropavlovsk, PETK comp=Z, 1.0nm, 0.3s, PETK Petropavlovsk, PETK Petropavlovsk, MJAR Matushiro Arr, KLR Kul'dur, KLR Kul'dur, USRK Ussuriysk Arr, SEY Seymchank, SEY Seymchank, KSRK Korea Array, KSRK comp=Z, 0.1nm, 0.3s, baz=50, slow=12, SNR=3.5, KSRK comp=Z, 1.4nm, 19.7s, baz=95, slow=34, YAK Yakutsk, YAK Yakutsk, BILL Bilibino, BILL Bilibino, H11N2 WAKE ISLAND Hy, H11N1 WAKE ISLAND Hy, H11N1 WAKE ISLAND Hy, H11N3 WAKE ISLAND Hy, TIXI Tiksi, TIXI Tiksi, H11S1 WAKE ISLAND Hy, H11S2 WAKE ISLAND Hy, H11S2 WAKE ISLAND Hy, ZALV Zalesovo Beam, WRA Chiang Mai Arr, WRA Warramunga Arr, ASAR Alice Springs, AKASG Malin Array Be, BRTR Keskin Array B.

Komandorsky Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BKI Bering, BKI, KBTR Krutoberegovo, KBTR, TUMD Tutmok D, TUMD, KZV Kizimen, KZV, ZLZ Zelenaya, ZLZ, SMKR Semkark, SMKR, LGNR Loginova, LGNR, TUMR Tutmok, TUMR, BZMR Bezymannaya, BZMR, BZWR Bezymanniy-We, BZWR, BDR Baidaryna, BDR, KMNR Kamenistaya, KMNR, SRKR Sroki, SRKR, KLY Klyuchina, KLY, KPT Kopyto, KPT, KOZ Kozyrevsk, KOZ, SPN Mys Shipunski, SPN, ESO Esso, ESO, SDR Sedlovina, SDR, SMAR Somma, SMAR, KRER Koryakskii, KRER, UGLR Uglovaya, UGLR, AVH Avacha, AVH, KRX Arik, KRX, KOK Koryaka, KOK, DALK Dalny, DALK, PET Petropavlovsk, PET, GNL Ganay, GNL, KRMR Karymshinskiy, KRMR, RUS Russkaya, RUS.

ISCJB 31 17:25:39.2, 0.8, 6:9S-0:1:156:16E, 0.0/6, h62km, mb3.9/7, Error ellipse: s-maj=14.9km s-min=7.9km az=12.5
IDC 31 17:25:43.2, 2.4, 7:22S, 156:12E, h94km, 25km, mb3.6/7, mb1 3.8/9, mb1mx3.5/31, mbtmp4.0/9, MS3.6/2, Ms1 3.6/2, ms1mx2.7/20, Error ellipse: s-maj=26.4km s-min=15.9km

ISC 31 17:25:40.7, 0.9, 6:9S-0:1:156:18E, 0.0/6, h62km, n12, 0:175/12, mb3.9/7, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HNR Honiara, HNR, HNR comp=Z, 79nm, 20.9s, baz=220, slow=36, HNR Honiara, HNR, PMG Port Moresby, PMG, CTA Charters Tower, CTA, WRA Warramunga Arr, WRA, ASAR Alice Springs, ASAR, RAO Raoul Island, RAO, CMAR Chiang Mai Arr, CMAR, SONM Songino Array, SONM, MKAR Makanchi Array, MKAR, ZALV Zalesovo Beam, ZALV, MAW Mawson, MAW.

STR 31 18:50:37.4, 0.7, 49:12N-2:4, h5km, ML1.0/4, Germany

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LANF Langenberg, LANF, OPP Oppenau, OPP, ABH Altheburg, ABH.

IDC 31 18:59:31.9, 27.0, 22:35S-173:22W, h0km, mb4.1/4, mb1 4.3/4, mb1mx3.8/37, mbtmp4.1/4, MS3.2/2, Ms1 1mx2.4/45, Error ellipse: s-maj=497.9km s-min=145.8km az=77.0, Tonga Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CTA Charters Tower, STKA Stephens Creek, ASAR Alice Springs, WRA Warramunga Arr, FITZ Fitzroy Crossi, NVAR Mina Array Be.

MEX 31 19:02:08.7, 0.7, 16:32N-98:34W, h6km, 5km, MD3.5, Near coast of Guerrero

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PNIG Pinotepa, PNIG, TLIG Tlapa, TLIG.

ISCJB 31 19:02:08.7, 0.9, 5:4S-0:1:151:9E, 0.2, h45km, mb3.9/11, Error ellipse: s-maj=26.9km s-min=10.5km az=36

IDC 31 19:02:12.1, 5.5, 5:5S-151:92E, h67km, 45km, mb3.8/9, mb1 3.9/10, mb1mx3.7/36, mbtmp4.1/10, ML1.1/1, MS2.6/1, Ms1 2.6/1, ms1mx2.2/39, Error ellipse: s-maj=36.7km s-min=22.8km az=96.0

NEIC 31 19:02:13.3, 3.4, 5:4S-151:83E, h74km, 26km, mb4.1/1, Error ellipse: s-maj=31.5km s-min=18.4km az=98.0

ISC 31 19:02:10.0, 1.0, 5:4S-0:1:151:9E, 0.2, h45km, n14, 0:1925/14, mb4.1/1, New Britain region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PMG Port Moresby, PMG, WRA Warramunga Arr, WRA, HRB Tennant Creek, HRB.

KRSC 31 17:08:12.7, 1.4, 54:76N-164:50E, h47km, 25km, ML3.7,

31/20h

Table with columns: WRA, ASAR, STKA, BATI, FITZ, SONM, VNDA, MKAR, ZALV, ILAR, TORD. Includes station names, coordinates, and status.

IDC 31 19:08:13.9.1.5, 18.53S:177.39W, h0km, mb4.3/9, mb1 4.5/9, mb1mx4.0/37, mbtmp4.3/9, Error ellipse: s-maj=86.2km s-min=21.0km az=156.0, ISCBJ 31 19:08:18.0.0.9, 18.4S:0.4:177.6W:0.2, h33km, mb4.5/14, Error ellipse: s-maj=61.1km s-min=11.9km az=157.7, NEIC 31 19:08:37.1.0.9, 18.88S:177.55W, h200km, mb4.3/8, Error ellipse: s-maj=66.5km s-min=10.4km az=157.0, ISC 31 19:08:19.6.1.4, 18.5S:0.5:177.5W:0.2, h35km, n21, n1912/21, mb4.7/14, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists various stations like Charters Tower, Stephens Creek, Warramunga Arr, etc.

ATH 31 19:10:39.48, 38.66N:23.10E, h16km, 3km, ML1.3/3, Error ellipse: s-maj=5.0km s-min=1.5km az=307.0, Greece

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like LKR, SMIA, PROD, DSF, etc.

MAN 31 19:33:52.3, 16.79N:120.31E, h2km, mb4.3, ML3.2, MS2.9, Luzon

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like BOLP, ABRA, SCZP, etc.

IDC 31 19:53:54.0.6.7.8, 19N:93.85E, h58km, 59km, mb3.6/10, mb1 3.8/11, mb1mx3.5/56, mbtmp3.9/11, ML4.4/1, MS3.2/9, MS1 3.2/9, ms1mx2.9/40, Error ellipse: s-maj=48.4km s-min=18.7km az=51.0, NEIC 31 19:53:56.1.2.8, 8.31N:93.97E, h76km, 23km, mb4.3/4, Error ellipse: s-maj=26.1km s-min=12.6km az=49.0, ISCBJ 31 19:53:57.7.0.7, 8.49N:0.08:94.00E:0.06, h100km, mb3.9/14, Error ellipse: s-maj=11.5km s-min=8.2km az=1.4

ISC 31 19:53:59.0.9, 8.5N:0.1:94.0E:0.1, h100km, n50, n1912/33, mb4.0/14, Nicobar Islands region

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like TRTT, PHET, PSI, SRDT, UTHA, UMPA, PBKT, CHAI, CMAR, CMAR, UTTA, CHTO, CHTO, CMHT, LAMP, PAYA.

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Table with columns: ODAN, RAMN, LEM, JIRN, PKI, GUN, DMN, KKN, LSA, KOLN, DANN, PYUN, H08S3, H08S2, H08S1, TGy, DAV, DAV, MKAR, SONM, GEYT, GEYT, KURK, ZALV, WRA, WRAB, RAYN, ASAR, KMBO, BRTR, TIXI, ARCES, GERES, NOA. Includes station names, coordinates, and status.

GMT 31 19:54:02.0.4.0, 35.46S:102.10477W:0.02, h17km, 2km, MW4.8/71, Moment Tensor Solution. s31.c34, s71.c89; Duration: 0 Moment tensor: Scale 1016Nm; Mrr-0.33±12; Mθθ-1.1±11; Mφφ-1.4±13; Mθφ-0.2±2; Mφθ-1.72±0.9; Mφθ-0.4±2.8; Best double couple: M=2.20000x1016 N1P1φ:18.00000°, 88.50000°, λ:-13.00000°. NP2:φ:109.00000°, 67.70000°, λ:-175.00000°. Principal axes: T 2.3330, Plg6.0000°, Azm64.0000°; N -0.2680, Plg76.0000°, Azm17.0000°; P -2.0690, Plg13.0000°, Azm332.0000°; nstai refers to body waves, cutoff=50s, surface refers to surface waves, cutoff=50s. Surface-wave location Triangular moment-rate function Southeast of Easter Island

ISC 31 19:54:20.6.3.7, 36.49S:178.65E, h302km, 28km, mb3.4/3, mb1 3.5/5, mb1mx3.2/37, mbtmp4.0/5 Error ellipse: s-maj=65.4km s-min=55.1km az=17.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like RKT, TBI, TBI, PPT2, PPT2, DZM.

ISC 31 19:54:20.6.3.7, 36.49S:178.65E, h302km, 28km, mb3.4/3, mb1 3.5/5, mb1mx3.2/37, mbtmp4.0/5 Error ellipse: s-maj=65.4km s-min=55.1km az=17.0, Off east coast of North Island

ISC 31 20:01:24.9.0.5, 27.39N:107.140E:0.1, h400km, mb3.3/13, Error ellipse: s-maj=15.1km s-min=5.6km az=64.2

ISC 31 20:01:24.9.0.5, 27.39N:107.140E:0.1, h400km, n32, n262/40, mb3.7/13, Bonin Islands region

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like CBJJ, CBJJ, JCJ, JCJ, JHHJ, JHHJ, JHCJ, JHCJ, JHJ2, JHJ2, JMKJ, JMKJ, BSO1, BSO1, BSO3, BSO3, BSO4, BSO4, JIE, JIE, JKN2, JKN2, JOD2, JOD2, MJAR, MJAR.

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Table with columns: MJAR, USRK, KLR, SONM, SEY, WRA, ZALV, MKAR, ASAR, ILAR, INK, YKA, ARCES, NVAR, NB2, NOA, PDAR, TORD, LPAZ. Includes station names, coordinates, and status.

ISCJB 31 20:14:39.6.1.0, 6.44N:0.07:126.8E:0.1, h128km, 10km, mb3.5/4, Error ellipse: s-maj=19.8km s-min=11.2km az=172.2

IDC 31 20:14:40.5.3.8, 6.46N:126.90E, h122km, 30km, mb3.2/4, mb1 3.5/5, mb1mx3.2/38, mbtmp3.8/5, MS3.1/3, MS1 3.1/3, ms1mx2.6/20, Error ellipse: s-maj=74.4km s-min=19.3km az=67.0

MAN 31 20:14:46.3, 6.86N:126.40E, h6km, mb4.6, ML3.5, MS3.3, ISC 31 20:14:39.0.1, 6.52N:0.07:126.8E:0.1, h111km, 13km, n17, n233/20, mb3.5/4, MDindanao

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like DDMP, DAV, DAV, BIPH, BIPH, GSPH, GSPH, BUKP, BUKP, SKMP, SKMP, CTBH, CTBH, BUTP, BUTP, MSPL, MSPL, IPIL, IPIL, BATI, BATI, FITZ, FITZ, WRA, WRA, PSI, PSI, ASAR, ASAR, KSRP, KSRP, MKAR, MKAR, MKAR.

ISCJB 31 20:28:09.2.1.1, 31.72S:0.03:70.58W:0.06, h4km, 10km, Error ellipse: s-maj=8.5km s-min=5.0km az=161.4, GUC 31 20:28:09.1.0.4, 31.72S:70.64W, h33km, 7km, ML2.3, SJA 31 20:28:14.5.0.9, 31.77S:70.10W, h10km, 99km, ML2.2, MW2.9

ISC 31 20:28:08.9.1.3, 31.72S:0.04:70.47W:0.05, h12km, 11km, n16, n1912/21, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like CMCH, CMCH, CMCH, RTLS, RTLS, RTLS, AUSP, AUSP, AUSP, ROCH, ROCH, ROCH, ROCI, ROCI, GO04, GO04, ASAL, ASAL, RTCV, RTCV, ARCO, ARCO, ATCC, ATCC, AMOG, AMOG, LSCH, LSCH, AAGR, AAGR, AGUA, AGUA, APLL, APLL, ACLC, ACLC.

CRAJA 31 20:30:10.0, 35.30N:1.89E, M12.4, MDD 31 20:30:11.8.5.0, 35.21N:2.06E, h0km, mb3.5/5, Error ellipse: s-maj=51.0km s-min=45.9km az=1.0, PRXIMO SIN SOLLUCIN

ISC 31 20:30:12.5.4.7, 35.2N:0.2:1.8E:0.2, h10km, n7, n2825/9, Northern Algeria

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like OJGS, OJGS, OJGS, ETOB, ETOB, ETOB, SESP, SESP, EQU, EQU, EQU, EQES, EQES, EQES, EMOS, EMOS.

GUC 31 20:43:17.5.0.5, 23.86S:67.45W, h288km, 9km, ML4.0, 6C-2D, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like EPLA, HORN, PMAR, EMAZ, PBRG, EADA, ECAL, EAGO, EGOR, EGOR, PAB, ESDC, ELGU, EQUA, EQUA, EPON, EPON, GUD, GUD, EQES, EQES, EBER, EBER, MDT, MDT, EAR1, EAR1, ETOB, EMUR, EMOS, EMOS, EORO, IELO, IELO, EALK, SJPF, SJPF, ERTA, ATE, ATE, ETSF, ETSF, EPOB, EPF, EPF, CSOR, RLF, RLF, CAF, CAF, BGF, BGF.

SJA 31 21:40:12.7±0.9,20°67'S,64.77°W,h33km,ML3.1,MW3.6,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like YJA, YJA, YJA, HJA, HJA, HJA, ALOL, AZAP, AZAP, SLA, LVC, PB09, MNCMX, PB02, PB03, POC, POC, PSCGX, LPAZ, FSA, AHML.

STR 31 21:43:27.1±0.7,49°N,2°E, h7km,9km,MLV0.9/6,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KTD, LANF, OPP, ABH, ECH.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PMG, HNR, GUM, WRA, WRA, DZM, DZM, ASAR, ASAR, BATI, FITZ, FITZ, FITZ, H11S3, H11S3, H11S1, MJAR, CMAR, SONM, MKAR, ZALV, ILAR, WSAR, TORO.

ICD 31 22:19:25.8±0.4,38°23'N,73°43'E,h85km,37km,mb3.5/3,

mb1 3.6/9,mb1mx3.3/5.1,mbtmp3.8/9, Error ellipse: s-maj=33.6km s-min=23.7km az=173.0, ISCJB 31 22:27:0.4±0.3,28°N,103°73'E,0.07,h100km, mb3.7/3, Error ellipse: s-maj=7.8km s-min=3.8km az=173.4

BUI 31 22:19:30.9,38°43'N,73°50'E,h122km,mb4.1/1

NNC 31 22:19:33.0±0.8,1.38°86'N,73°30'E,h8km,mb4.3,mpv3.9, Error ellipse: s-maj=64.8km s-min=41.8km az=158.0, ISC 31 22:28:4.0±0.7,38°35'N,105°73'E,0.07,h100km,n42,

az=226/46,mb3.9/3,3C-6D,Tajikistan-Xinjiang border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KSH, KSH, KSH, AML, KZA, UCH, EK2S, AAK, AAK, AAK, AAK, AAK, ULHL, KBK, CHPC, CHMS, CEP, TKM2, TKM2, USP, KK31, THW, SARP, MKAR, WEY, GMYT, GEYT, KURB, PYUN, DANN, KOLL, GKN, KKN, DMN, PKI, GUN, AB31, BVAR, JIRN, RAMN, AKTO, AKTO, ZALV.

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

ICD 31 22:19:34.8±3.8,37°15'N,149°72'E,h0km,mb3.8/3,

mb1 4.1/3,mb1mx3.6/3,mbtmp3.9/3,MS3.3/3,MS1 3.3/3, ms1n12.9/40, Error ellipse: s-maj=11.8,9km s-min=50.4km az=112.0, Bismarck Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PMG, HNR, WRA, ASAR, FITZ, H11S3, H11S2, H11S1, NWAO, TORO.

ISN 31 22:27:34.0±0.6,36°17'N,144°68'E,h26km,2km,ML2.7

DDA 31 22:27:40.8,35°96'N,44°26'E,h5km,MI3.1,Iraq

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CUKT, CUKT, YOVA, YOVA, HAKT, HAKT, SIRM, SIRM, SRTM, SRTM.

ICD 31 22:28:57.2±4.2,2°76'S,148°62'E,h0km,mb3.6/3,

mb1 3.9/3,mb1mx3.4/40,mbtmp3.7/3, Error ellipse: s-maj=144.6km s-min=47.4km az=109.0, Admiralty Islands region

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

ICD 31 22:32:34.3±0.8,3°64'S,149°43'E,h0km,mb4.2/4,

mb1 4.3/16,mb1mx4.1/45,mbtmp4.2/16,ML1.81,MS4.4/5, Ms1 4.4/5,ms1mx3.9/33, Error ellipse: s-maj=24.3km s-min=14.5km az=94.0

ISCJB 31 22:32:36.0±0.4,3°57'S,149°30'E,0.06,h20km,

mb4.3/21,MS4.5/6, Error ellipse: s-maj=8.6km s-min=6.5km az=175.2

NEIC 31 22:32:36.0±0.5,3°54'S,149°22'E,h10km,mb4.5/6, Error ellipse: s-maj=11.4km s-min=8.3km az=80.0

GCMT 31 22:32:38.0±0.2,3°42'S,149°17'E,0.01,h12km,1km,

MW5.2/18, Moment Tensor Solution, s79,c105; s118,c195; Duration: 150 Moment tensor: Scale 10^16

N; Mw:0.83±.16; Mw0.15±.17; Mw0.2±.28; Mw0.4±.40; Mw0.7±.55; Mw1.0±.18; Mw1.5±.28; Mw2.0±.38; Best double couple: Mb:0.0600x10^16 NP1:±189.00000°; ±87.00000°; λ: -3.00000°; λ: -7.1600000°; NP2:±99.00000°; ±86.00000°; λ: -3.00000°

Principal axes: T 7.5590, Plg0.0000°, Azm324.0000°; N 0.8930, Plg85.0000°, Azm232.0000°; P -4.8540, Plg55.0000°, Azm54.0000°; N41 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s.

ISC 31 22:32:38.2±0.5,3°53'S,0°06',149°33'E,0.07,h20km,n54,

az=186/41,mb4.3/21,MS4.5/6, Bismarck Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MANU, RABL, PMG, PMG, CTA, CTA, FAKI, SIJI, MTN, EIDS, WRAB, WB2, WRA, DZM, DZM, DZM, DZM, ASO1, AS31, ASAR, BATI, ARMA, FITZ, H11S3, H11S2, H11S1, H11N1, H11N2, KRSR, XAN, XAN, XAN, XAN.

AKTO	6.4nm,0.8s	↑S	Sn	22 48 05.7	-2.1
ODAN	Odare 16.88 124 eP		Pn	22 45 10.4	-2.7
ZALV	Zalesow Beam 18.95 24 P		P	22 45 35.7	+0.2
GNI	Garni 21.18 286 P		P	22 46 04.0	+4.1
TLY	Talaya 26.66 247 LR		LR	22 47 12.5	
BRTR	Breskin Array B 29.72 287 P		P	22 47 22.1	+3.0
ARCES	ARCESS Array B 40.61 337 P		P	22 48 53.1	+1.3
NB2	NORSAR Subarra 44.06 322 P		P	22 49 21.3	+1.4
NOR	NORSAR Array B 44.06 322 P		P	22 49 21.3	+1.4
TOAD	Torodi Ar. Bea 66.28 269 P		P	22 52 01.1	+1.1
WRA	Warramunga Arr 81.96 122 P		P	22 53 31.0	0.0

ISC 31 22:46:22.3:0.7, 52:18N:171.76W, h0km, mb4.4/13, mb1.4/6/14, mb1mx0.0/58, mbmp4.4/14, ML3.9/1, MS3.8/3, Ms1.3.8/3, ms1mx3.0/37, Error ellipse: s-maj=26.3km s-min=14.6km az=168.0

ISC/CB 31 22:46:26.8:0.2, 52:25N:0.04:171.52W:0.04, h44km, mb4.4/79, MS4.2/6, Error ellipse: s-maj=6.3km s-min=3.2km az=166.9

NEIC 31 22:46:27.0:0.0, 52:05N:171.43W, h42km, mb4.5/83, After AEIC.

ISC 31 22:46:28.9:0.5, 52:12N:0.1:171.43W:0.04, h44km, n365, s15/3/35, mb4.5/79, MS4.5/6, Fox Islands

Code	Station Name	AZ	Phase	ID	Op	ISC	Time	Res
ATKA	Atka Island	1.71	275	P	Sn	22 46 55.2	-1.0	
ATKA	Atka Island	1.71	275	P	Sn	22 46 55.2	-1.0	
NKH	Nikolski High	1.81	59	P	Sn	22 47 15.4	-1.3	
OKSO	Okmok South	2.37	56	P	Sn	22 46 55.4	-2.2	
OKSO	Okmok South	2.37	56	P	Sn	22 47 04.2	-0.3	
OKCE	Okmok Cone E	2.40	55	P	Pn	22 47 32.8	-0.1	
OKNC	Okmok New Cone	2.44	54	P	Pn	22 47 05.8	+0.2	
OKMU	Okmok Mt. Tuli	2.44	56	P	Pn	22 47 05.4	+0.8	
GSMY	Great Sitkin Mt	2.86	271	P	Pn	22 47 12.4	+0.5	
GSTD	Great Sitkin T	2.91	271	P	Pn	22 47 11.6	+0.9	
ADK	Adak	3.25	269	ePn	Sn	22 47 16.6	-0.7	
ADK	Adak	3.25	269	ePn	Sn	22 47 53.5	-1.3	
MSW	Makushin Swite	3.36	55	P	Pn	22 47 19.6	+0.8	
UNV	Unalaska Valle	3.46	57	ePn	Pn	22 47 21.6	+1.3	
KIND	Kanaga Island	3.49	48	ePn	Pn	22 47 23.4	+1.2	
AKMO	Akutana Morgan	3.84	56	P	Pn	22 47 26.3	+0.9	
ZRO	Akutana Zero	3.85	56	P	Pn	22 47 27.1	+1.5	
AKUT	Akutana	3.98	57	ePn	Pn	22 47 30.1	+2.7	
SDPT	Sand Point	7.28	59	ePn	Pn	22 48 12.7	+0.2	
CHGN	Chignik	8.72	56	ePn	Pn	22 48 31.6	-0.7	
SII	Sitkinak Island	11.02	59	ePn	Pn	22 49 04.2	+0.4	
KDAK	Kodiak Island	12.23	55	Pn	Pn	22 49 16.8	-3.4	
CNPM	China Poot	13.54	49	ePn	Pn	22 49 38.0	-0.1	
BRLL	Bradley Lake	13.80	48	ePn	Pn	22 49 40.4	-1.4	
SEW	Seward	14.60	48	ePn	Pn	22 49 49.3	-3.1	
SKT	Skwentna	14.62	40	ePn	Pn	22 49 51.1	-1.5	
RC01	Rabbit Creek A	14.90	44	ePn	Pn	22 49 54.7	-1.7	
TRF	Thorofare Moun	15.93	36	ePn	Pn	22 50 12.6	-0.3	
FID	Port Fidalgo	16.21	48	ePn	Pn	22 50 12.4	-0.9	
SCM	Sheep Creek Mo	16.27	44	ePn	Pn	22 50 13.8	-0.3	
IM3	Indian Mountain	16.55	26	ePn	P	22 50 20.9	+1.5	
KLU	Klutina	16.74	46	ePn	Pn	22 50 18.4	-1.7	
DHY	Denali Highway	16.84	40	ePn	Pn	22 50 21.8	+0.6	
RAGM	Ragged Mountain	16.93	50	ePn	P	22 50 25.3	+1.5	
BMRM	Bremner River	17.15	48	ePn	Pn	22 50 25.9	+0.9	
WRH	Wood River Hill	17.31	35	ePn	Pn	22 50 27.0	0.0	
CCB	Clear Creek Bu	17.52	35	ePn	Pn	22 50 28.4	-1.1	
MDM	Murphy Dome	17.55	34	ePn	Pn	22 50 29.5	-0.5	
PAX	Paxson	17.55	42	ePn	Pn	22 50 29.6	-0.5	
HDA	Harding Lake	17.69	36	ePn	Pn	22 50 31.2	-0.5	
IL1	Eielson Array	17.91	35	ePn	Pn	22 50 32.6	-1.8	
ILAR	Eielson Array	17.91	35	ePn	Pn	22 50 32.4	-2.0	
ILB	Eielson Array	17.91	35	ePn	Pn	22 50 32.6	-1.7	
TGL	Tana Glacier	17.91	50	eP	P	22 50 35.6	+0.9	
RIDG	Independen Rid	18.16	40	eP	P	22 50 36.5	-0.8	
BALM	Baldy	18.22	49	ePn	P	22 50 38.1	0.0	
DOT	Dot Lake	18.42	40	eP	P	22 50 39.0	-1.2	
SCRK	Sand Creek	18.60	40	eP	P	22 50 41.6	-0.7	
PTK	Petrovskovsk-	18.71	285	P	Pn	22 50 44.7	+0.5	
PCA	Pinnacle	19.00	53	ePn	Pn	22 50 48.0	+0.4	
TOLK	Toolik Lake Re	19.61	24	ePn	Pn	22 50 56.0	+1.1	
TOLK	Toolik Lake Re	19.61	24	ePn	Pn	22 50 58.1	+3.3	
EGAK	Eagle	20.06	39	ePn	P	22 50 56.8	-1.2	
WHY	Whitehorse	21.72	52	ePn	P	22 51 17.0	+0.9	
DLBC	Dease Lake	24.12	58	P	P	22 51 42.5	+2.2	
DLBC	Dease Lake	24.12	58	P	LR	23 00 33.2		
INIK	Inuvik	24.29	34	P	P	22 51 40.8	-0.8	
INIK	Inuvik	24.29	34	P	PcP	22 55 20.7	+0.5	
INIK	Inuvik	24.29	34	P	P	22 51 40.3	-1.3	
INIK	Inuvik	24.29	34	P	PcP	22 55 20.7	+0.5	
DO3D	Eldon	31.06	79	P	PcP	22 52 44.3	+1.9	
B05A	Bryant	31.34	77	P	P	22 52 46.4	+1.6	
YKA	Yellowknife Ar	31.38	48	P	P	22 52 44.8	-0.2	
YKBS	Yellowknife Ar	31.38	48	eP	P	22 52 44.7	-0.4	
B08A	Colville Reser	32.95	75	eP	P	22 53 00.2	+1.2	
D08A	Wollman Farm,	33.80	77	ePn	P	22 53 07.1	+0.7	
C09A	Chrisman Ranch	33.84	76	ePn	P	22 53 06.5	-0.3	
YBH	Yreka Blue Hor	34.25	88	P	P	22 53 12.3	+1.8	
NEW	Newport	34.31	74	P	P	22 53 11.8	+0.9	
NEW	Newport	34.31	74	P	P	22 53 11.7	+0.8	
NEW	Newport	34.31	74	P	P	22 53 11.6	+0.8	
E09A	Wood Farm, Sta	34.52	78	ePn	P	22 53 13.5	+0.8	
N02D	Trinity Center	34.69	89	P	P	22 53 16.1	+1.8	
M04C	Macdoel	34.76	87	P	P	22 53 16.6	+1.7	
F10A	Beach Ranch, E	35.35	78	ePn	P	22 53 21.2	+1.3	
O03E	Paynes Creek	35.65	89	P	P	22 53 23.6	+1.2	
WALA	Waterton Lakes	35.84	71	ePn	P	22 53 24.2	+0.1	
J08A	Circle Bar Ran	35.96	83	ePn	P	22 53 26.7	+1.5	
JTMT	Jette	36.24	74	ePn	P	22 53 28.5	+1.0	

H11N2	WAKE ISLAND Hy	36.46	216	T	T	23 31 58.1	
H11N3	WAKE ISLAND Hy	36.46	216	T	T	23 32 04.7	
H11N1	WAKE ISLAND Hy	36.48	216	T	T	23 32 09.2	
MSO	Missoula	36.89	75	eP	P	22 53 33.7	+0.6
MSO	Missoula	36.89	75	eP	P	22 53 33.6	+0.5
IND	Independence	37.09	89	eP	P	22 53 33.5	-1.5
PAHR	Pah Rah Range	37.49	88	eP	P	22 53 39.9	+1.6
H11S1	WAKE ISLAND Hy	37.65	215	T	T	23 34 23.0	
H11S2	WAKE ISLAND Hy	37.67	215	T	T	23 34 23.1	
H11S3	WAKE ISLAND Hy	37.67	215	T	T	23 34 24.2	
HCOM	Corn Cob Canyo	37.80	94	eP	P	22 53 42.6	+1.9
WAKR	Walker	38.19	90	eP	P	22 53 46.2	+2.0
HLID	Hailey	38.32	80	eP	P	22 53 46.1	+0.8
HLID	Hailey	38.32	80	P	P	22 53 46.0	+0.7
BMN	Battle Mountai	38.39	86	eP	P	22 53 47.2	+1.3
MCMT	McKenzie Canyo	38.58	77	eP	P	22 53 48.0	+0.5
RYN	Ryan	38.67	89	eP	P	22 53 49.8	+1.5
KVN	Katserville	38.67	88	eP	P	22 53 49.8	+1.4
EGMT	Eagleton	38.76	71	eP	P	22 53 48.5	-0.3
EGMT	Eagleton	38.76	71	P	P	22 53 49.2	+0.4
BOZ	Bozeman (W)	38.90	75	eP	P	22 53 50.2	+0.1
BOZ	Bozeman (W)	38.90	75	P	P	22 53 50.3	+0.2
NOV	Bozeman (W)	38.93	89	eP	P	22 53 51.4	+0.8
NVAR	Mina Array Bea	38.93	89	eP	P	22 53 51.9	+1.4
OMMB	Old Mammoth Mt	39.01	91	eP	P	22 53 53.2	+1.9
NV11	Mina Array Sit	39.02	89	eP	P	22 53 52.6	+1.4
PAGB	Antelope Grade	39.45	94	eP	P	22 53 56.4	+1.8
YHH	Holmes Hill	39.80	76	eP	P	22 53 58.1	+0.3
H17A	Grant Village	40.18	76	eP	P	22 54 03.1	+2.2
H17A	Grant Village	40.18	76	P	P	22 54 02.8	+1.9
IMW	Indian Meadow	40.23	77	eP	P	22 54 02.6	+1.3
PKM	Mpgherson Peak	40.27	94	P	P	22 54 03.0	+1.3
FLWY	Flagg Ranch	40.27	77	eP	P	22 54 03.0	+1.4
CWC	Cottonwood Cre	40.32	91	P	P	22 54 03.2	+1.1
HVU	Hansel Valley	40.32	81	eP	P	22 54 03.1	+1.1
GRAC	Grapevine Rang	40.41	90	P	P	22 54 04.1	+1.5
RLMT	Red Lodge	40.56	74	P	P	22 54 04.9	+0.9
ISA	Isabella, Lake	40.58	92	eP	P	22 54 03.9	-0.2
ISA	Isabella, Lake	40.58	92	eP	P	22 54 04.5	+0.4
LOHW	Long Hollow	40.59	77	eP	P	22 54 05.2	+0.9
R11A	Troy Canyon, C	40.66	87	P	P	22 54 05.5	+0.7
BGU	Big Grassy Mou	40.67	82	eP	P	22 54 06.0	+1.2
SPUT	South Promonto	40.80	81	eP	P	22 54 07.2	+1.3
FURC	Furnace Creek,	41.06	90	eP	P	22 54 09.1	+1.3
TPNV	Topopah Spring	41.13	89	eP	P	22 54 09.8	+1.1
TPNV	Topopah Spring	41.13	89	P	P	22 54 09.5	+0.9
DUG	Dugway, Tooele	41.23	83	eP	P	22 54 09.4	-0.1
DUG	Dugway, Tooele	41.23	83	P	P	22 54 10.3	+0.8
EDW2	Edwards Air Fo	41.39	93	P	P	22 54 12.0	+1.2
LAO	LASA Array	41.51	71	P	P	22 54 11.8	+0.3
TCUT	Toone Canyon	41.54	81	eP	P	22 54 13.6	+1.5
PSUT	Pine Spring	41.61	86	eP	P	22 54 13.6	+1.0
BW06	Boulder Array	41.70	77	eP	P	22 54 13.4	+0.4
PD31	Pinedale Array	41.70	77	eP	P	22 54 13.8	+0.4
PDAR	Pinedale Array	41.70	77	eP	P	22 54 13.8	+0.4
PDAR	Pinedale Array	41.70	77	eP	P	22 54 13.3	-0.1
SHOC	Shoshone, Teco	41.79	90	eP	P	22 54 14.8	+0.9
JULU	Jordanelle	41.82	81	eP	P	22 54 15.5	+1.0
GSC	Goldstone, Bar	41.85	92	eP	P	22 54 15.6	+1.1
GSC	Goldstone, Bar	41.85	92	P	P	22 54 15.4	+0.9
BFSC	Mount Baldy Ra	42.02	93	P	P	22 54 17.0	+1.0
HEC	Hector,Ludlow	42.45	92	P	P	22 54 20.2	+0.8
CCUT	Cedar City	42.53	86	eP	P	22 54 16.7	-3.5
GMRC	Granite Mounta	42.90	91	P	P	22 54 23.8	+0.7
MTPU	Mount Pierson	42.94	85	eP	P	22 54 25.1	+1.4
FRD	Fry Ranch, An	43.17	93	P	P	22 54 26.1	+0.8
PKO	Pony Flats O	43.18	93	P	P	22 54 25.8	+0.4
KNB	Kanab	43.20	86	eP	P	22 54 27.0	+1.4
BELC	Belle Mtn. Jos	43.21	92	P	P	22 54 25.9	+0.3
K22A	Casper	43.59	76	P	P	22 54 28.4	-0.3
IRM	Iron Mountain	43.63	91	P	P	22 54 29.5	+0.6
MONP	Monument Peak	43.69	94	P	P	22 54 30.2	+0.6
U15A	Not Rim	43.90	87	eP	P	22 54 32.4	+1.1
IKP	In-Ko-Pah, Jac	44.05	94	P	P	22 54 33.0	+0.7
O20A	White River Ci	44.06					

31d 23h

Table with columns: Call Sign, Name, Frequency, Power, Mode, Azimuth, Elevation, SNR, etc. Includes stations like Q45A Warren Harvey, T43A Greenville, W41B Gary Mavity, etc.

2012 OCT

Table with columns: Call Sign, Name, Frequency, Power, Mode, Azimuth, Elevation, SNR, etc. Includes stations like 150A Eclectic, X53A Estanolle, 250A Grady, etc.

1634

Table with columns: Call Sign, Name, Frequency, Power, Mode, Azimuth, Elevation, SNR, etc. Includes stations like NWF Wu-fen Shan, WFSB Wu-fen Shan, ESL Shilin, etc.

ISCJB 31 22:54:02.0 0.2, 24.139N, 0.02:122.01E, 0.02, h2km, 3km, Error ellipse: s-major=3.2km s-minor=2.4km az=151.9

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, etc. Includes stations like EOS1 EOS1, NANB Nanao, ENA Nanau, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, etc. Includes stations like DLPL La Plaine, MDVC Dominica, etc.

2012 OCT

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
BAMF	Morne Balai	0.77	201	eP	Pn	23 08 30.7 +1.3
CXM	Morne La Croix	0.78	203	eP	Pn	23 08 30.9 +1.3
CXM				eS	Sn	23 08 42.5 +1.7
GBMF	Grand Be	0.79	202	eP	Pn	23 08 30.8 +1.1
PCM	Pelee Case Pet	0.79	205	eP	Pn	23 08 30.9 +1.2
TDBA	Terre de Bas	0.81	203	eP	Pn	23 08 31.5 +1.6
PML	Morne Lenard	0.81	203	eP	Pn	23 08 31.1 +1.1
TBG	Guadaloupe-3	0.82	293	eP	Pn	23 08 31.4 +1.3
TBG				eS	Sn	23 08 43.7 +2.2
FDG	Fort de France	0.85	200	eP	Pn	23 08 31.3 +0.9
FDG				eS	Sn	23 08 43.4 +1.2
CBE	F"i", Capest	0.90	306	eP	Pn	23 08 32.1 +1.6
CBE				eS	Sn	23 08 46.0 +2.7
LKG	Breislack	0.92	303	iP	Pn	23 08 32.9 +1.5
HMG	Houelmont	0.92	299	iP	Pn	23 08 32.9 +1.6
TAG	Tarade	0.93	303	iP	Pn	23 08 33.2 +1.7
TAG				eS	Sn	23 08 46.9 +2.7
LPMF	Morne Lapointe	0.96	186	eP	Pn	23 08 32.2 +1.2
ZAM	Aeronautique	0.97	190	eP	Pn	23 08 32.7 +0.7
MVM	Montagne Vaucl	0.98	182	eP	Pn	23 08 33.2 +1.2
TRMF	Trois Ilets	1.01	191	eP	Pn	23 08 33.2 +0.7
BIM	Bigot	1.03	192	eP	Pn	23 08 33.7 +0.9
BIM				eS	Sn	23 08 47.7 +0.8
SEG	Port Louis	1.06	324	iP	Pn	23 08 35.0 +1.8
LZG	Guadaloupe-1	1.07	304	eP	Pn	23 08 34.6 +1.4
ABD	La Joyeuse, An	1.11	327	eP	Pn	23 08 35.2 +1.4
ABD				eS	Sn	23 08 50.3 +2.0
SLW	Petit Monier	1.51	183	eP	Pn	23 08 41.6 +2.5
SLW				eS	Sn	23 08 01.0 +3.2
SLB	Belfond	1.71	186	eP	Pn	23 08 43.2 +1.3
SLB				eS	Sn	23 09 05.1 +2.4
MLYT	Lee's Yard	1.74	313	eP	Pn	23 08 44.1 +1.8
MLYT				eS	Sn	23 09 06.6 +3.2
MBWH	Boggy Peak	1.75	313	iP	Pn	23 08 43.9 +1.4
BPA		1.78	328	eP	Pn	23 08 43.9 +1.0
BPA				eS	Sn	23 09 05.5 +1.0
MCLT	Moule a Chique	1.82	183	eP	Pn	23 08 44.2 +0.9
MCLT				eS	Sn	23 09 07.6 +2.3
SFAN	Fancy Village	2.16	188	eP	Pn	23 08 40.8 -7.3
SFAN				eS	Sn	23 08 16.2 +2.5
SVCV	St. Vincent, C	2.27	187	eP	Pn	23 08 51.2 +1.7
SVCV				eS	Sn	23 09 17.6 +1.3
SVB	Belmont	2.28	190	eP	Pn	23 08 51.4 +1.7
SVB				eS	Sn	23 09 18.3 +1.6
NEV	Hard Times	2.29	314	iP	Pn	23 08 51.8 +2.0
NEV				eS	Sn	23 09 19.2 +2.4
ANWB	Willy Bob	2.30	337	eP	Pn	23 08 51.4 +1.5
ANWB				eS	Sn	23 09 17.8 +0.8
NVBH	Bath Hotel, Ne	2.31	313	eP	Pn	23 08 50.6 +0.7
NVBH				eS	Sn	23 09 19.3 +2.1
NVRH	Round Hill, Ne	2.34	315	eP	Pn	23 08 52.5 +2.1
NVRH				eS	Sn	23 09 19.1 +1.4
FCV	Fort Charlotte	2.40	189	eP	Pn	23 08 53.8 +2.6
FCV				eS	Sn	23 09 21.9 +2.5
SKI	Saint Kitts	2.54	315	eP	Pn	23 08 55.2 +2.0
SKI				eS	Sn	23 09 24.1 +1.1
BBGH	Gun Hill	2.69	152	eP	Pn	23 08 57.0 +1.7
BBGH				eS	Sn	23 09 28.7 +2.0
BBSP	Saint Philip	2.77	151	eP	Pn	23 08 58.8 +2.4
BBSP				eS	Sn	23 09 30.6 +1.9
SEUS	St. Eustatius	2.82	314	eP	Pn	23 08 58.8 +1.8
SABA	Saba	3.09	313	eP	Pn	23 08 51.9 +1.2
SMRT	St. Maarten	3.28	320	eP	Pn	23 09 04.0 +0.9
SMRT				eS	Sn	23 09 42.6 +1.5

IDC 31 23:18:46.9-1.0, 52° 80'N, 169° 68'W, h0km, mb4.0/8, mb1 4.2/9, mb1mx3.7/63, mbtmp4.0/9, ML4.1/1, Error ellipse: s-maj=31.4km s-min=21.2km az=151.0
NEIC 31 23:18:54.2-0.0, 52° 69'N, 169° 29'W, h36km, ML3.8(AEIC), After AEIC.

ISC 31 23:18:49.2-1.2, 52° 81'N, 169° 90'W, h0.07, h19km, 4km, n31, -1508/32, mb3.8/8, Fox Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
NIKH	Nikolski High	0.66	73	P	Pn	23 19 03.4 -0.1
NIKH				S	Sg	23 19 10.6 -0.5
OKSO	Okmok South	1.20	60	P	Pb	23 19 11.2 -0.1
OKSO				S	Sb	23 19 24.7 -1.6
OKCE	Okmok Cone E	1.23	57	P	Pg	23 19 12.4 -0.6
OKNC	Okmok New Cone	1.27	57	P	Pg	23 19 13.0 -0.7
OKTU	Okmok Mt. Tuli	1.27	61	P	Pb	23 19 12.3 -0.3
MSW	Makushin Switc	2.19	57	P	Pn	23 19 25.5 +1.0
MSW				S	Sn	23 19 50.3 +0.6
MTBL	Makushin Table	2.27	57	P	Pn	23 19 26.9 +1.2
UNV	Unalaska Valle	2.30	61	P	Pn	23 19 25.6 -0.4
UNV				S	Sn	23 19 51.3 -2.4
AKRB	Akutan Reef Bi	2.66	58	P	Pn	23 19 32.6 +1.6
AKMO	Akutan Morgan	2.67	59	P	Pn	23 19 32.6 +1.4
ZRO	Akutan Zer	2.69	59	P	Pn	23 19 33.3 +1.8
ATKA	Atka Island	2.69	259	P	Pg	23 19 39.6 -1.2
ATKA				S	Sg	23 20 15.6 -0.1
ADAG	Mount Adagdak	4.19	262	P	Pb	23 20 02.3 +0.1
ADK	Adak	4.26	261	eP	Pn	23 20 01.5 -1.9
ADK				eS	Sb	23 20 54.1 -0.3
KDAK	Kodiak Island	11.06	56	Pn	Pn	23 21 25.3 -0.8
ILAR	Eielson Array	16.80	35	Pn	Pn	23 22 43.1 +0.1
INK	Inuvik	23.18	34	P	P	23 23 53.9 -0.4
INK				P	P	23 23 54.7 +0.4
YKA	Yellowknife Ar	30.21	49	P	P	23 24 58.5 +0.4
H11N2	WAKE ISLAND Hy 37.59 217			T	T	00 06 29.4
H11N3	WAKE ISLAND Hy 37.59 217			T	T	00 06 31.5
H11N1	WAKE ISLAND Hy 37.60 217			T	T	00 06 47.4
H11S1	WAKE ISLAND Hy 38.77 217			T	T	00 07 52.8
H11S2	WAKE ISLAND Hy 38.79 217			T	T	00 07 57.3
H11S3	WAKE ISLAND Hy 38.79 217			T	T	00 07 57.5
PDAR	Pinedale Array	40.64	79	P	P	23 26 27.9 -0.2
TXAR	Lajitas Array	53.06	89	P	P	23 28 05.0 -0.1
ARCES	ARCESS Array B	57.48	354	P	P	23 28 37.8 +1.5
ARCES				PcP	PcP	23 29 30.6 +0.9
HFS	Hagfors	67.40	358	P	P	23 29 42.4 -0.3
WRA	Warramunga Arr	87.01	231	P	P	23 31 34.1 +1.0
ASAR	Alice Springs	90.41	230	P	P	23 31 50.1 +1.0

IDC 31 23:27:06.8-1.7, 2° 05'N, 127° 82'E, h0km, mb3.6/5, mb1 3.8/5, mb1mx3.6/28, mbtmp3.7/5, Error ellipse: s-maj=93.4km s-min=22.7km az=69.0, Northern Molucca Sea

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
FITZ	Fitzroy Crossi	20.14	186	P	P	23 31 42.9 +0.2
WRA	Warramunga Arr	22.77	164	P	P	23 32 12.0 +0.9
ASAR	Alice Springs	26.24	167	P	P	23 32 43.9 +0.1
STKA	Stephens Creek	36.19	160	P	P	23 34 09.6 -1.7
MKAR	Makanchi Array	59.55	325	P	P	23 37 12.4 +0.2

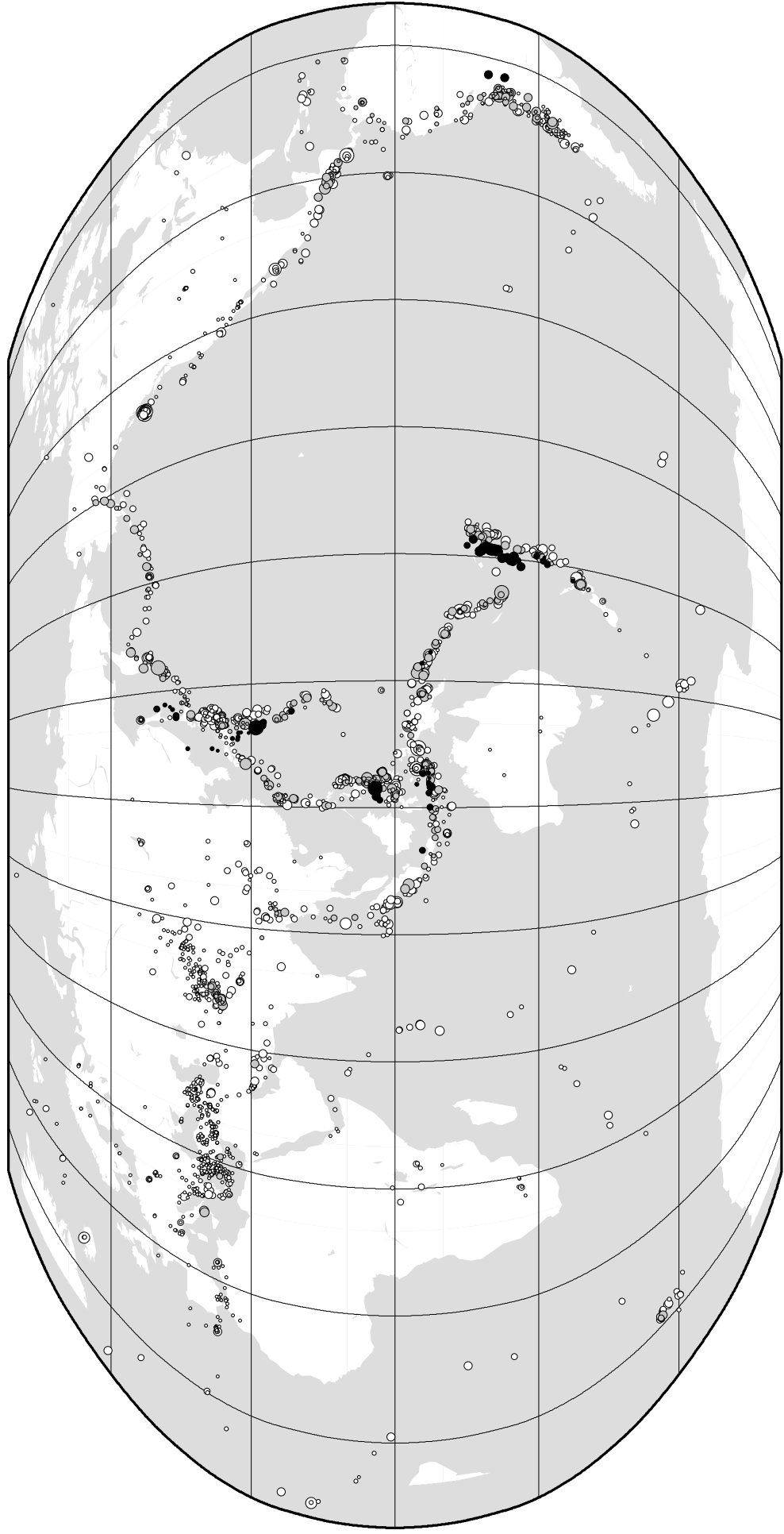
IDC 31 23:29:25.9-1.9, 5° 66'S, 153° 65'E, h0km, mb3.7/7, mb1 3.9/7, mb1mx3.7/25, mbtmp3.7/7, MS3.3/1, Ms1 3.2/1, ms1mx2.5/37, Error ellipse: s-maj=65.2km s-min=24.4km az=121.0
ISCJB 31 23:29:32.0-1.4, 5° 65'S, 153° 36'E, h43km, mb3.5/7, MS3.2/1, Error ellipse: s-maj=45.5km s-min=12.2km az=44.5
ISC 31 23:29:32.7-1.8, 5° 75'S, 153° 55'E, h43km, n10, c058/9, mb3.5/7, New Ireland region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
PMG	Port Moresby	7.27	239	Op	Sn	23 32 36.8 -0.8
WRA	Warramunga Arr	23.36	231	P	P	23 34 38.2 +0.4
ASAR	Alice Springs	25.96	225	P	P	23 35 01.9 +0.5
STKA	Stephens Creek	28.32	202	LR	LR	23 47 01.6
FITZ	Fitzroy Crossi	29.84	243	P	P	23 35 36.4 +0.3
CMAR	Chiang Mai Arr	58.88	295	P	P	23 39 28.1 +0.5
MKAR	Makanchi Array	81.45	319	P	P	23 41 45.4 0.0
ZALV	Zalesovo Beam	82.28	326	P	P	23 41 49.7 +0.2
ILAR	Eielson Array	82.74	22	P	P	23 41 51.0 -0.8
TORD	Torodi Ar. Bea	151.23	287	PKPbc	PKPbc	23 49 22.5 0.0

IDC 31 23:39:33.7-1.9, 6° 26'S, 155° 07'E, h0km, mb3.6/4, mb1 3.8/4, mb1mx3.5/36, mbtmp3.6/4, Error ellipse: s-maj=121.2km s-min=27.7km az=133.0, Bougainville-Solomon Islands region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
WRA	Warramunga Arr	24.30	234	P	P	23 44 53.3 +0.1
WRA				PcP	PcP	23 48 32.8 -0.6
ASAR	Alice Springs	26.72	227	P	P	23 45 14.8 -0.2
FITZ	Fitzroy Crossi	31.02	245	P	P	23 45 53.8 +0.4
ILAR	Eielson Array	82.67	22	P	P	23 51 59.2 +0.4
TORD	Torodi Ar. Bea	152.90	287	PKPbc	PKPbc	23 59 33.4 -0.6

ISC Computed Locations for October 2012



Robinson Projection, centred on 0°N, 130°E

